

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062221.D
 Acq On : 10 May 2019 17:54
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 10 23:37:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	601426	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	838522	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	671670	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	385214	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	342992	61.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	122.74%	
35) Dibromofluoromethane	6.92	113	389239	55.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.90%	
50) Toluene-d8	10.41	98	900918	53.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.42%	
62) 4-Bromofluorobenzene	13.56	95	388825	57.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	282053	49.035	ug/l	96
3) Chloromethane	1.74	50	180715	43.479	ug/l	99
4) Vinyl Chloride	1.85	62	197406	48.327	ug/l	95
5) Bromomethane	2.14	94	78046	81.542	ug/l	99
6) Chloroethane	2.26	64	102399	59.742	ug/l	100
7) Trichlorofluoromethane	2.53	101	482816	60.797	ug/l	99
8) Diethyl Ether	2.87	74	58839	38.417	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.14	101	294717	49.059	ug/l	98
10) Methyl Iodide	3.29	142	383268	42.213	ug/l #	82
11) Tert butyl alcohol	4.07	59	66850	234.319	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	211975	46.224	ug/l	95
13) Acrolein	3.02	56	60557	205.221	ug/l #	80
14) Allyl chloride	3.61	41	310772	46.609	ug/l #	83
15) Acrylonitrile	4.19	53	175466	233.991	ug/l	92
16) Acetone	3.22	43	312601	266.702	ug/l #	84
17) Carbon Disulfide	3.36	76	618349	46.874	ug/l	99
18) Methyl Acetate	3.64	43	97751	46.610	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	525445	53.457	ug/l	96
20) Methylene Chloride	3.81	84	235465	48.113	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	267341	52.390	ug/l	92
22) Diisopropyl ether	5.11	45	737996	52.013	ug/l	94
23) Vinyl Acetate	5.06	43	2082828	278.226	ug/l #	95
24) 1,1-Dichloroethane	4.98	63	440080	51.414	ug/l	98
25) 2-Butanone	6.07	43	330187	258.265	ug/l	97
26) 2,2-Dichloropropane	6.02	77	448176	52.564	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	278414	48.743	ug/l	96
28) Bromochloromethane	6.43	49	194191	57.664	ug/l	89
29) Tetrahydrofuran	6.45	42	146468	248.642	ug/l	97
30) Chloroform	6.66	83	561756	54.456	ug/l	97
31) Cyclohexane	6.95	56	273636	46.662	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	515279	52.847	ug/l	98
36) 1,1-Dichloropropene	7.14	75	359758	52.328	ug/l	96
37) Ethyl Acetate	6.18	43	155105	53.198	ug/l #	90
38) Carbon Tetrachloride	7.10	117	606176	63.703	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	320254	48.618	ug/l	92
40) Benzene	7.45	78	778481	50.145	ug/l	97
41) Methacrylonitrile	6.44	41	193269	54.243	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	388178	59.015	ug/l	92
43) Isopropyl Acetate	9.24	43	204625	49.486	ug/l #	96
44) Trichloroethene	8.54	130	300388	50.777	ug/l	85
45) 1,2-Dichloropropane	8.94	63	176981	46.088	ug/l	99
46) Dibromomethane	9.06	93	173442	55.542	ug/l	87
47) Bromodichloromethane	9.38	83	441393	57.788	ug/l	98
48) Methyl methacrylate	9.12	41	131570	51.657	ug/l	86
49) 1,4-Dioxane	9.08	88	26814	975.732	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	681734	256.482	ug/l	91
52) Toluene	10.51	92	518983	51.379	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	376344	57.009	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	386713	53.697	ug/l #	90
55) 1,1,2-Trichloroethane	11.19	97	183733	51.409	ug/l	98
56) Ethyl methacrylate	11.04	69	184210	49.600	ug/l #	83
57) 1,3-Dichloropropane	11.40	76	293242	54.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	536694	264.556	ug/l	94
59) 2-Hexanone	11.53	43	518163	264.495	ug/l	90
60) Dibromochloromethane	11.69	129	338482	54.801	ug/l	98
61) 1,2-Dibromoethane	11.81	107	226137	52.044	ug/l	93
64) Tetrachloroethene	11.26	164	279227	53.164	ug/l	98
65) Chlorobenzene	12.40	112	664903	53.149	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	319405	58.665	ug/l	94
67) Ethyl Benzene	12.52	91	1203917	57.484	ug/l	98
68) m/p-Xylenes	12.67	106	795696	104.425	ug/l	93
69) o-Xylene	13.05	106	358165	50.559	ug/l	82
70) Styrene	13.08	104	631280	52.605	ug/l	98
71) Bromoform	13.23	173	226226	59.722	ug/l #	98
73) Isopropylbenzene	13.40	105	1093499	47.356	ug/l	97
74) N-amyl acetate	13.26	43	294312	48.615	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	215236	49.237	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	230203	50.285	ug/l	96
77) Bromobenzene	13.67	156	347331	53.733	ug/l	87
78) n-propylbenzene	13.77	91	1352883	49.116	ug/l	97
79) 2-Chlorotoluene	13.84	91	838242	53.136	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1009618	51.923	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	59244	45.841	ug/l #	69
82) 4-Chlorotoluene	13.94	91	961479	51.793	ug/l	81
83) tert-Butylbenzene	14.19	119	1167885	53.437	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1008417	51.681	ug/l	91
85) sec-Butylbenzene	14.37	105	1213661	50.648	ug/l	96
86) p-Isopropyltoluene	14.49	119	1175400	54.902	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	603701	51.126	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	560159	48.280	ug/l	94
89) n-Butylbenzene	14.80	91	1006251	52.365	ug/l	95
90) Hexachloroethane	15.00	117	301996	51.870	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	507552	52.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39598	55.183	ug/l	75

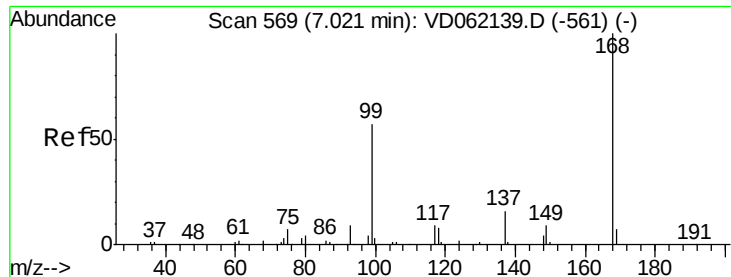
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	432751	61.138	ug/l	96
94) Hexachlorobutadiene	16.04	225	289338	54.959	ug/l	98
95) Naphthalene	16.13	128	572260	57.909	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	348994	78.418	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

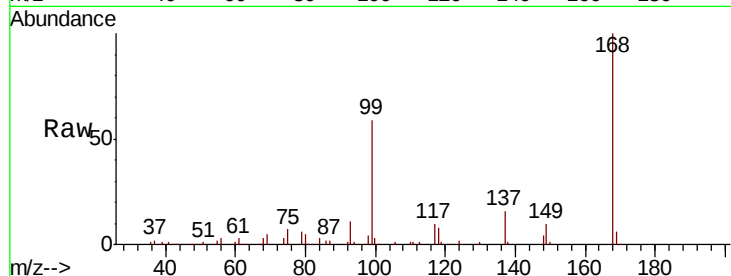
VSTDCCC050

Tot Ion:168 Resp: 601426

Ion Ratio Lower Upper

168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

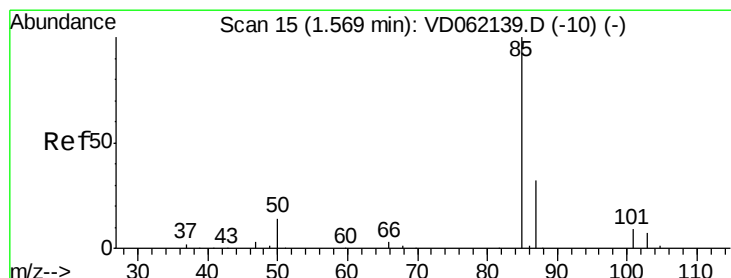
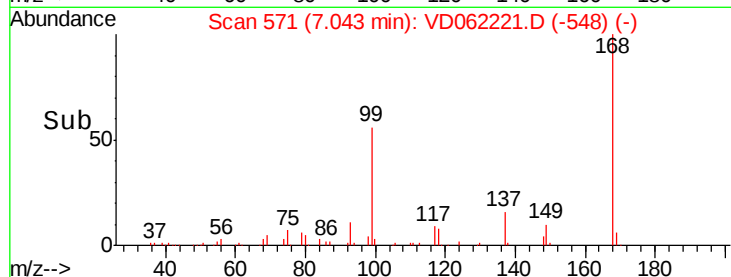
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.035 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062221.D

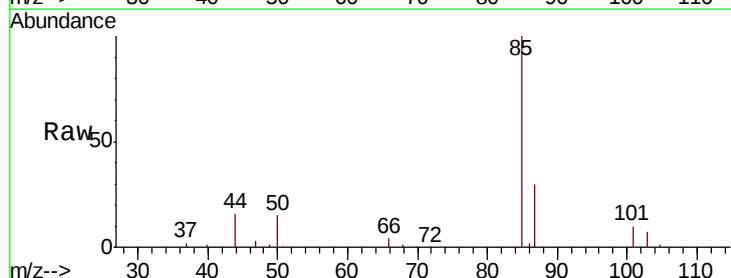
Acq: 10 May 2019 17:54

Tgt Ion: 85 Resp: 282053

Ion Ratio Lower Upper

85 100

87 30.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

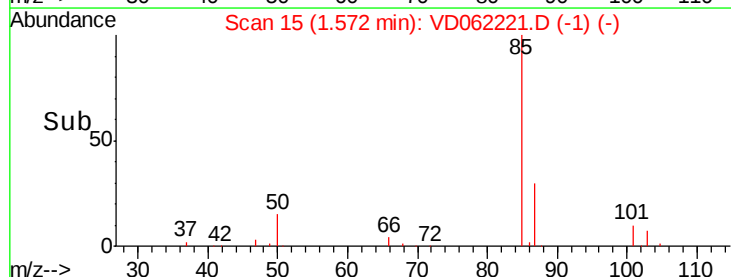
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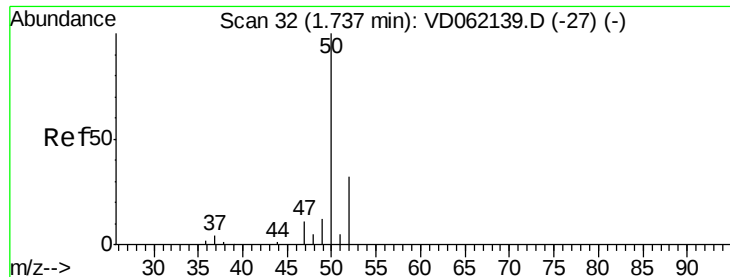
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.479 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

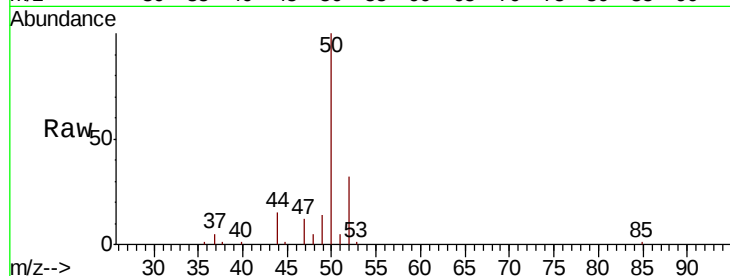
VSTDCCC050

Tot Ion: 50 Resp: 180715

Ion Ratio Lower Upper

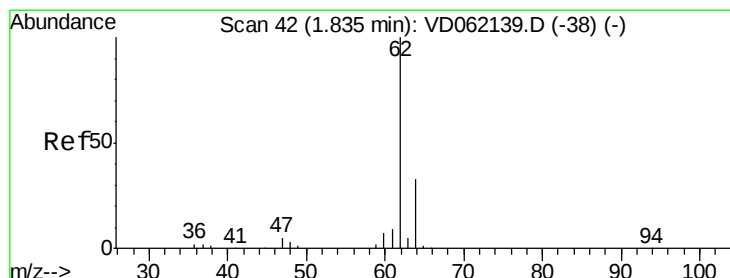
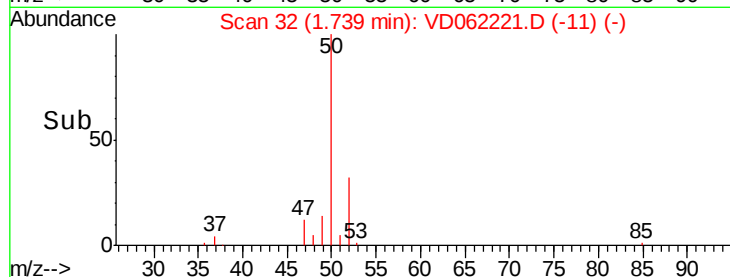
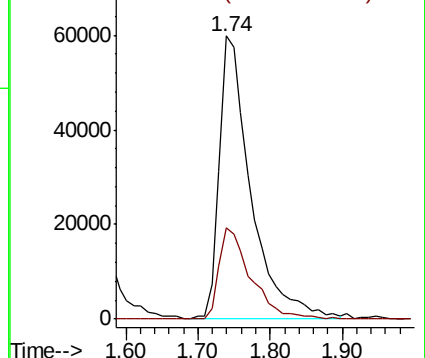
50 100

52 32.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.327 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062221.D

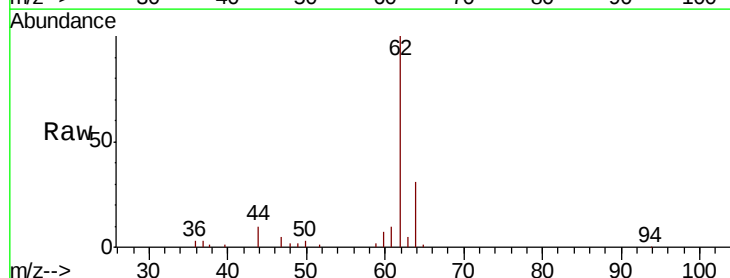
Acq: 10 May 2019 17:54

Tgt Ion: 62 Resp: 197406

Ion Ratio Lower Upper

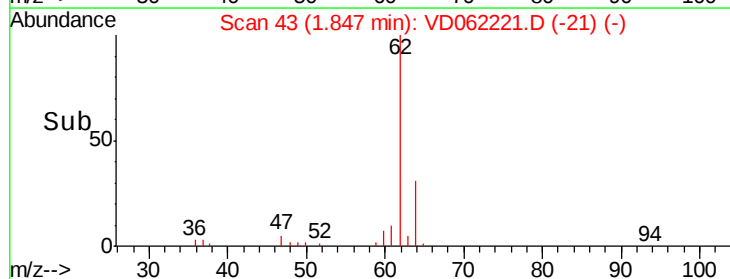
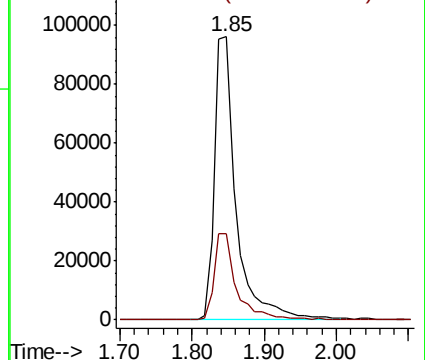
62 100

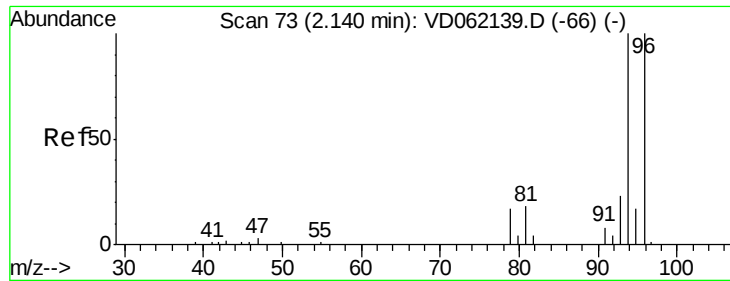
64 30.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 81.542 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

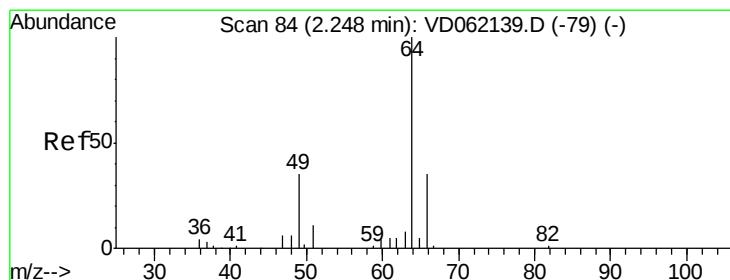
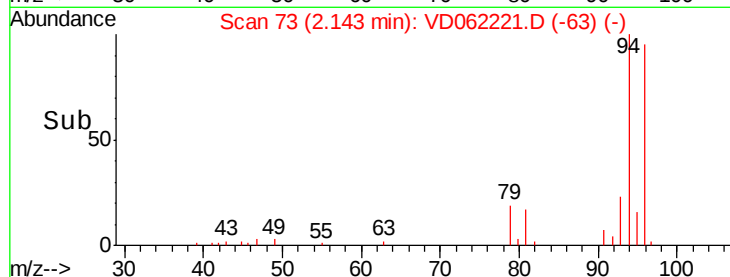
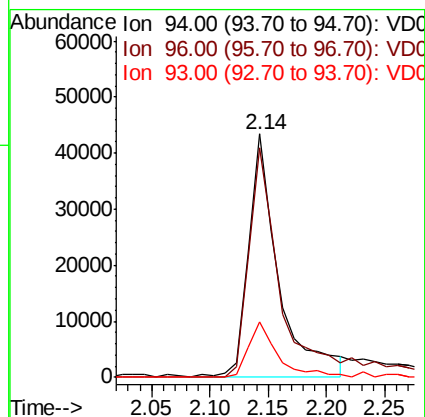
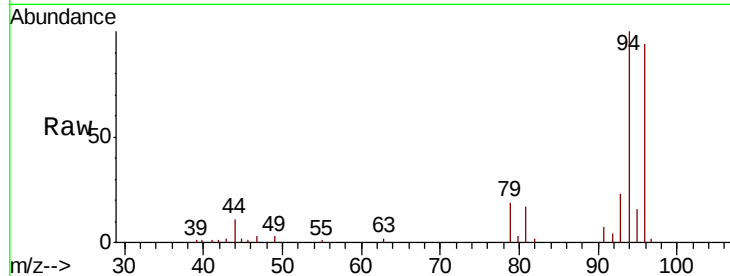
Tot Ion: 94 Resp: 78046

Ion Ratio Lower Upper

94 100

96 94.2 76.6 115.0

93 22.8 18.5 27.7



#6

Chloroethane

Concen: 59.742 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062221.D

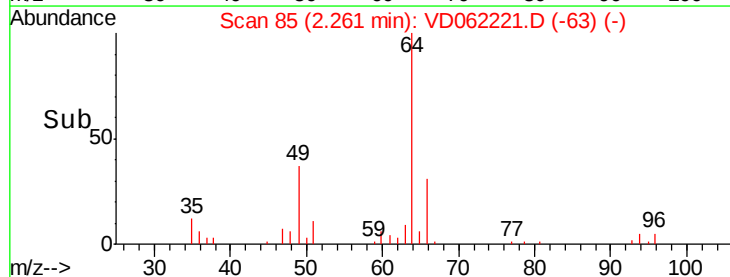
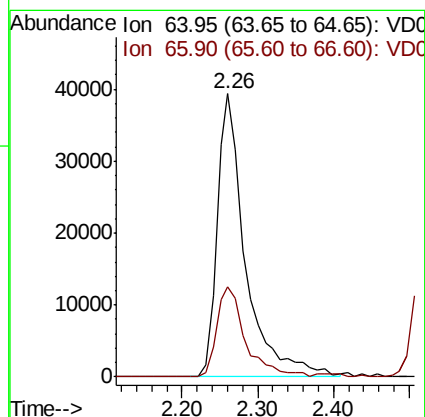
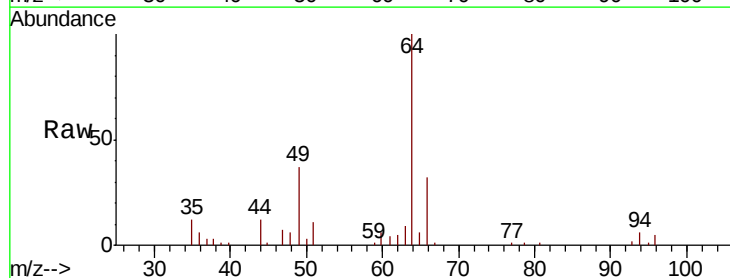
Acq: 10 May 2019 17:54

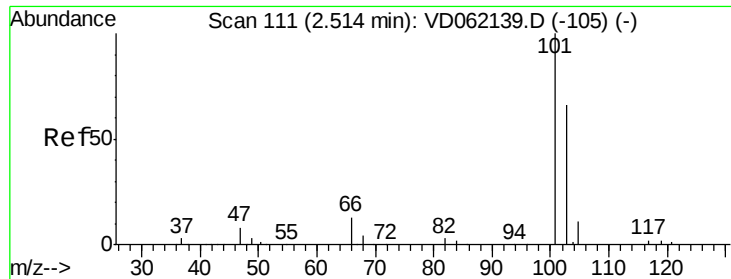
Tgt Ion: 64 Resp: 102399

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



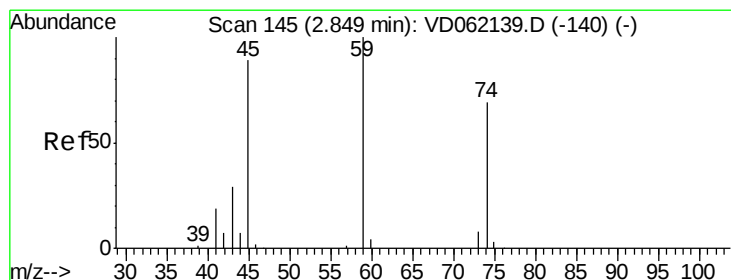
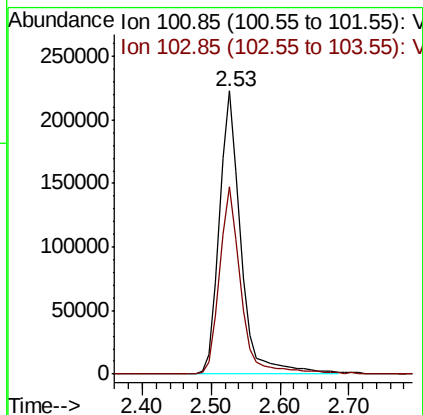
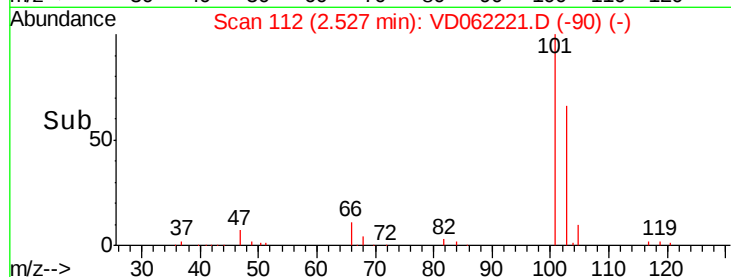
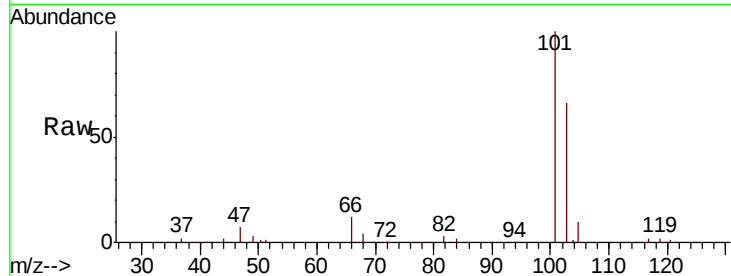


#7

Trichlorofluoromethane
 Concen: 60.797 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

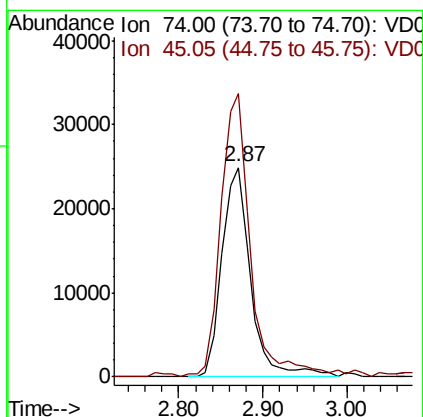
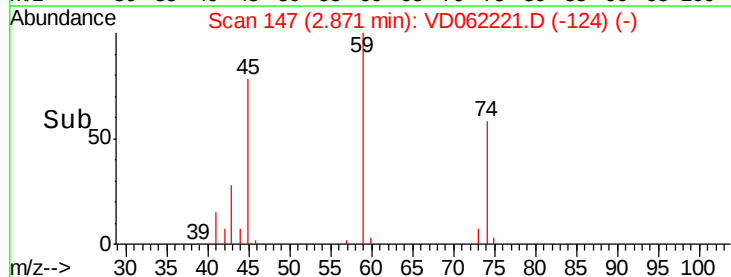
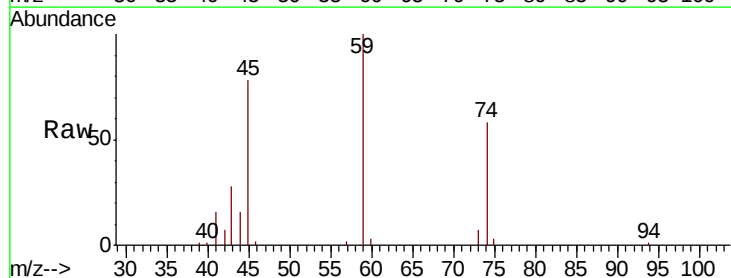
Tot Ion:101 Resp: 482816
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.6 80.4

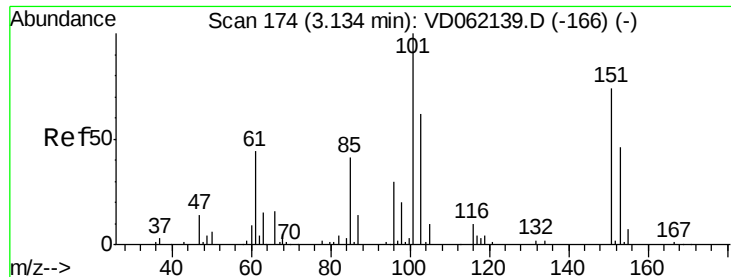


#8

Diethyl Ether
 Concen: 38.417 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion: 74 Resp: 58839
 Ion Ratio Lower Upper
 74 100
 45 137.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.059 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

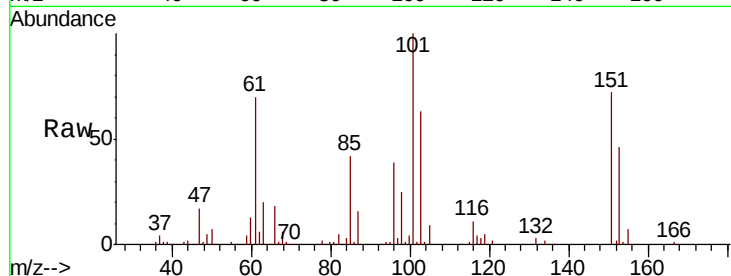
Tot Ion:101 Resp: 294717

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

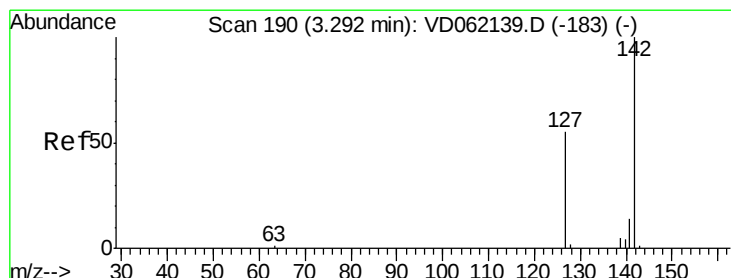
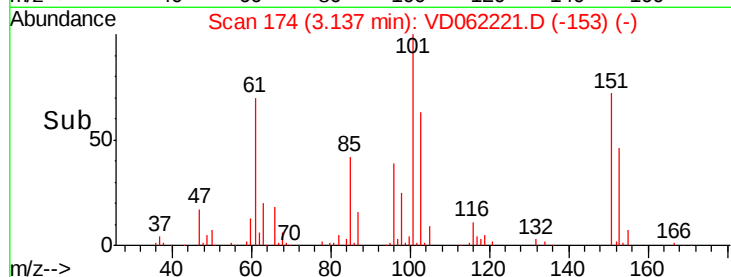
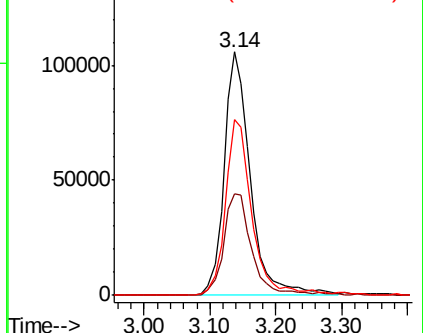
151 72.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 42.213 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

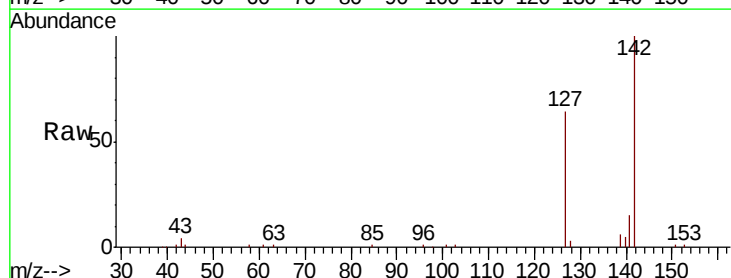
Tgt Ion:142 Resp: 383268

Ion Ratio Lower Upper

142 100

127 63.5 38.8 58.2#

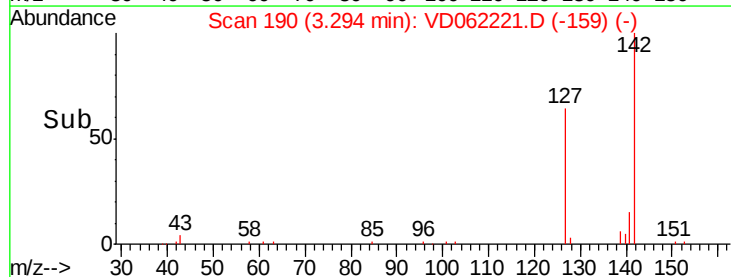
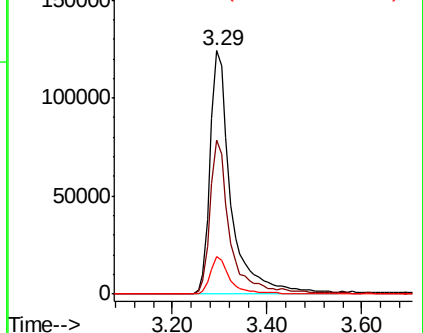
141 15.2 11.4 17.0

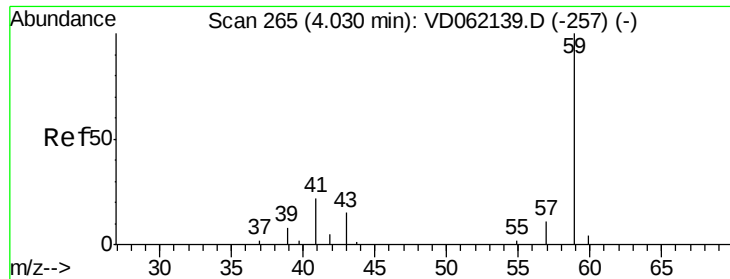


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

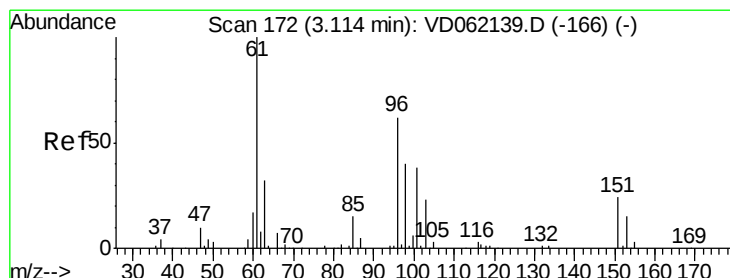
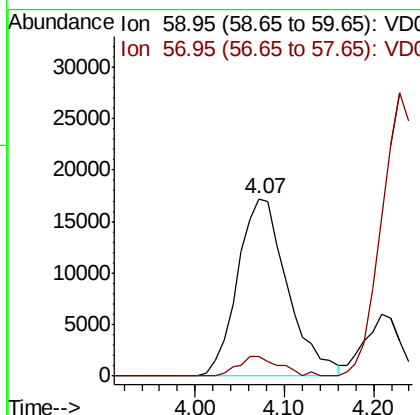
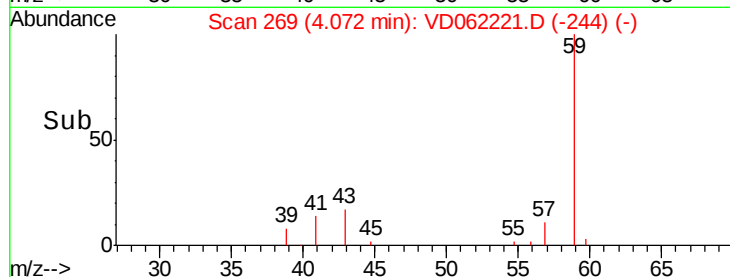
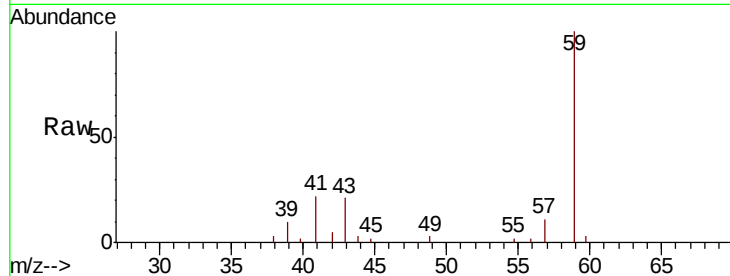




#11
Tert butyl alcohol
Concen: 234.319 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

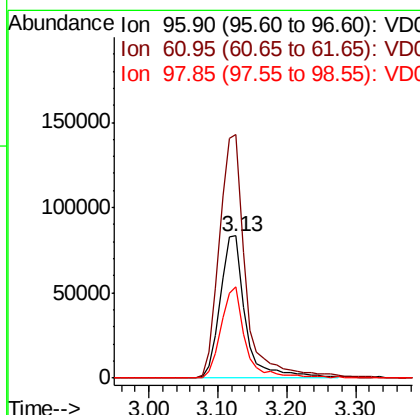
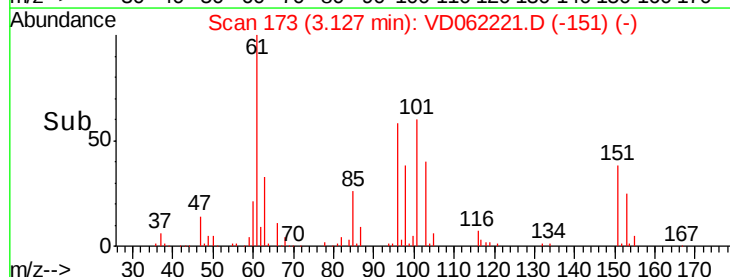
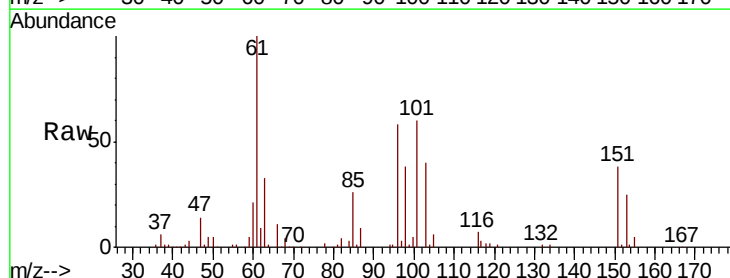
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

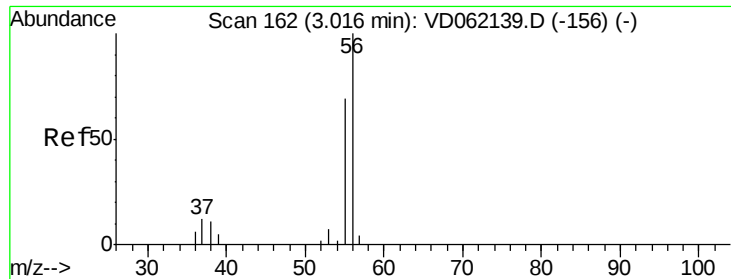
Tot Ion: 59 Resp: 66850
Ion Ratio Lower Upper
59 100
57 11.2 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 46.224 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 96 Resp: 211975
Ion Ratio Lower Upper
96 100
61 171.0 129.8 194.8
98 64.5 51.2 76.8

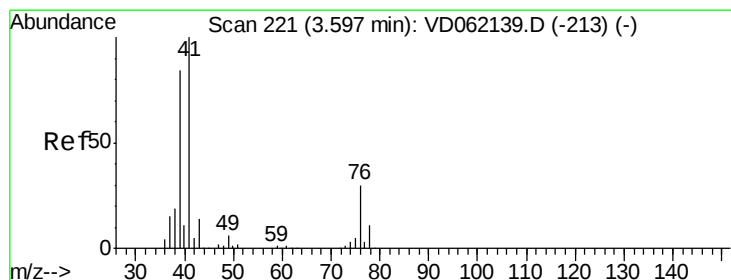
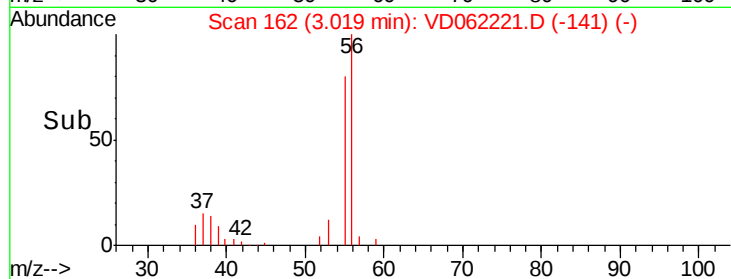
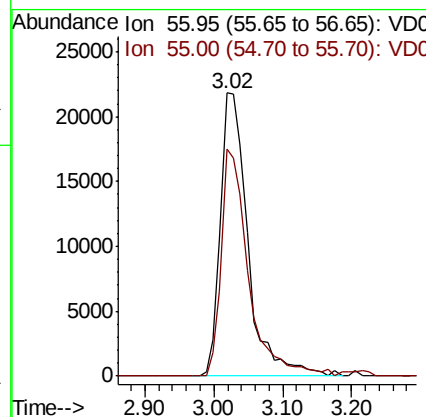
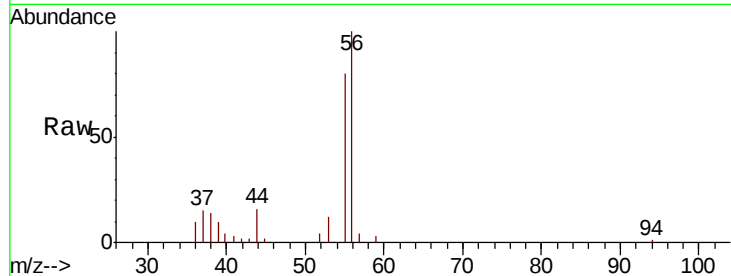




#13
Acrolein
Concen: 205.221 ug/l
RT: 3.02 min Scan# 162
Delta R.T. 0.00 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

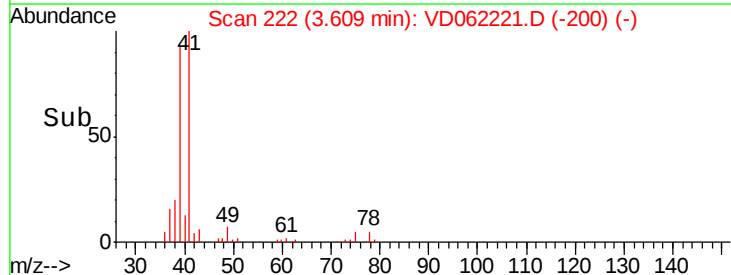
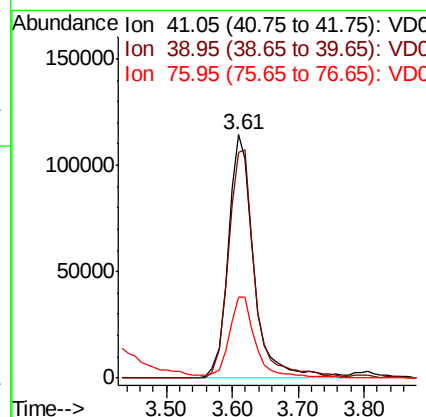
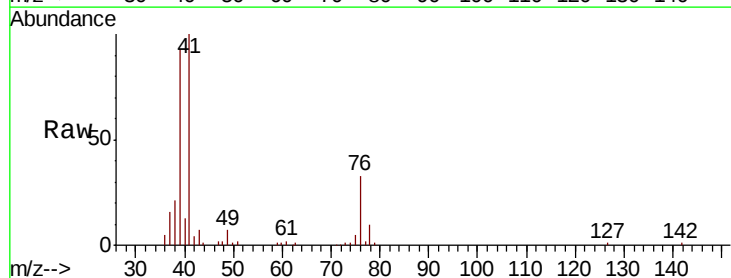
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

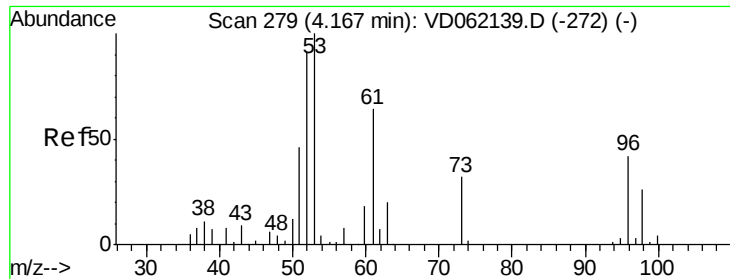
Tot Ion: 56 Resp: 60557
Ion Ratio Lower Upper
56 100
55 80.1 51.4 77.2#



#14
Allyl chloride
Concen: 46.609 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 41 Resp: 310772
Ion Ratio Lower Upper
41 100
39 92.9 60.5 90.7#
76 33.1 31.8 47.8





#15

Acrylonitrile

Concen: 233.991 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

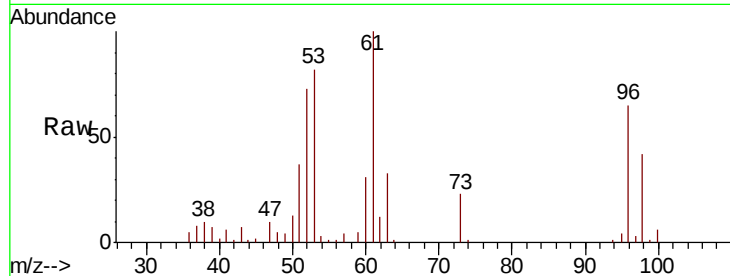
Tot Ion: 53 Resp: 175466

Ion Ratio Lower Upper

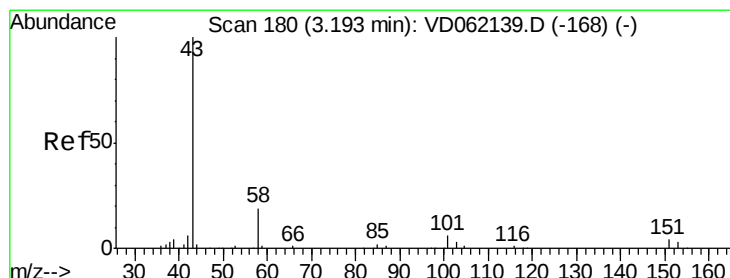
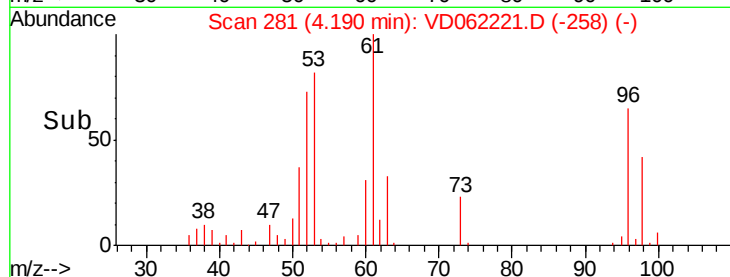
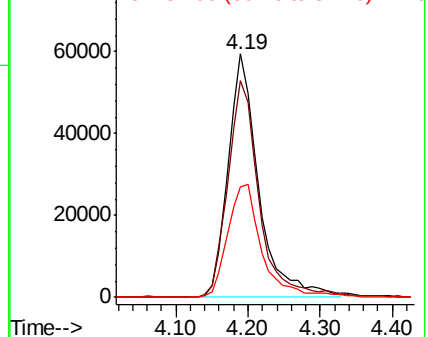
53 100

52 88.8 65.0 97.4

51 45.4 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 266.702 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062221.D

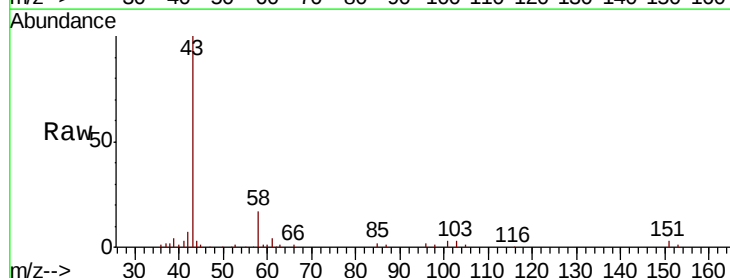
Acq: 10 May 2019 17:54

Tgt Ion: 43 Resp: 312601

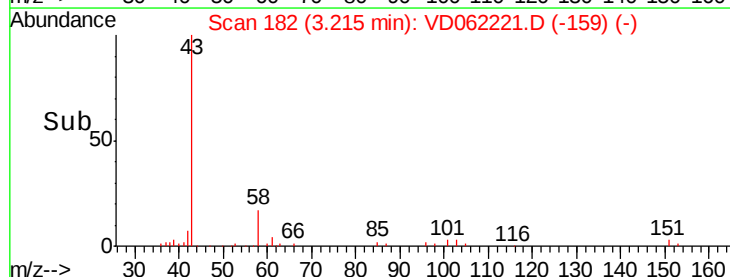
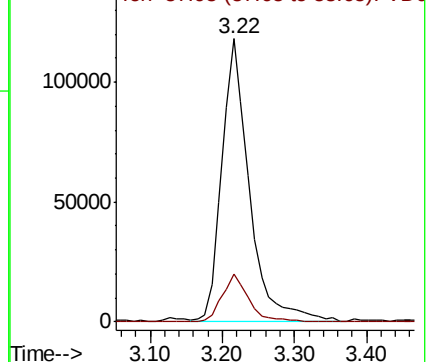
Ion Ratio Lower Upper

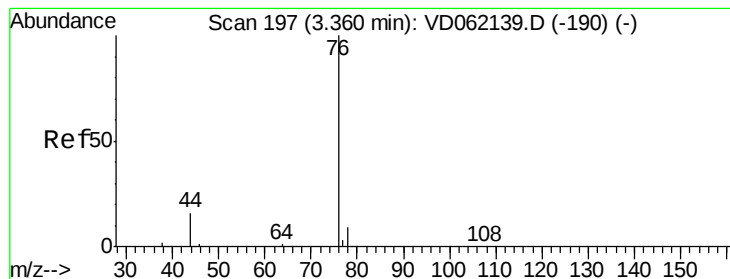
43 100

58 16.8 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 46.874 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

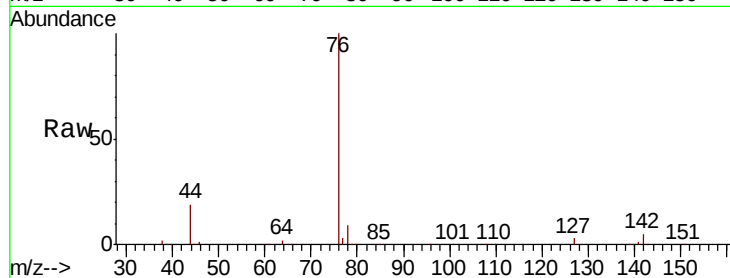
VSTDCCC050

Tot Ion: 76 Resp: 618349

Ion Ratio Lower Upper

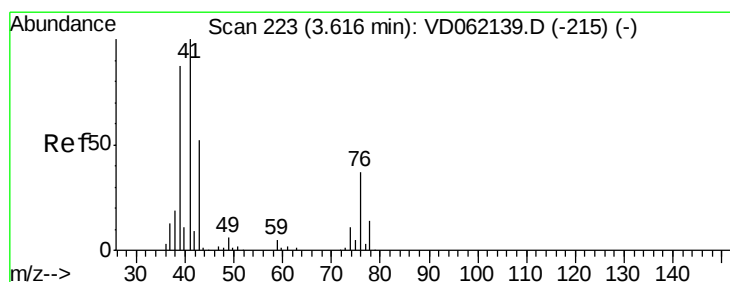
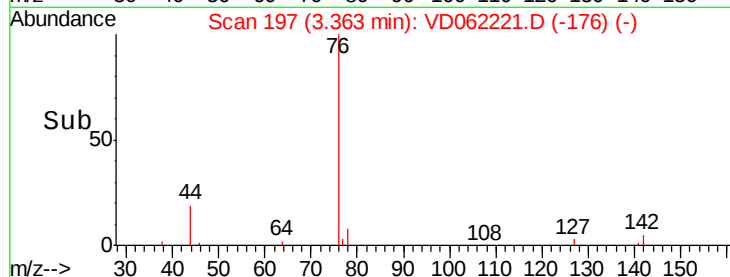
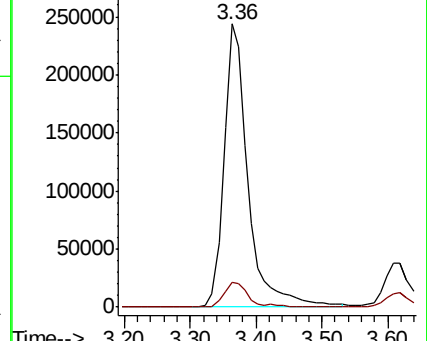
76 100

78 8.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.610 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062221.D

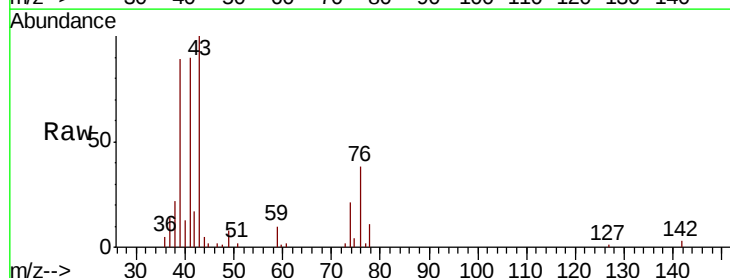
Acq: 10 May 2019 17:54

Tgt Ion: 43 Resp: 97751

Ion Ratio Lower Upper

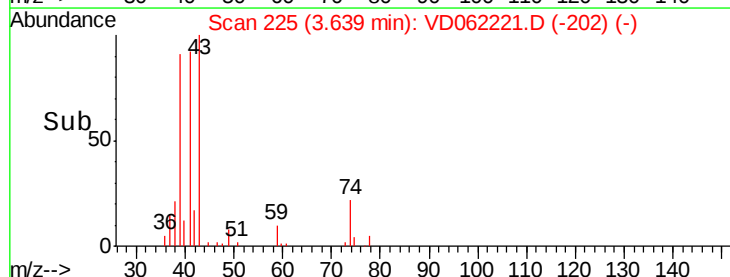
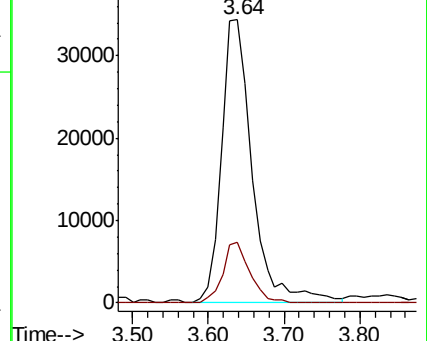
43 100

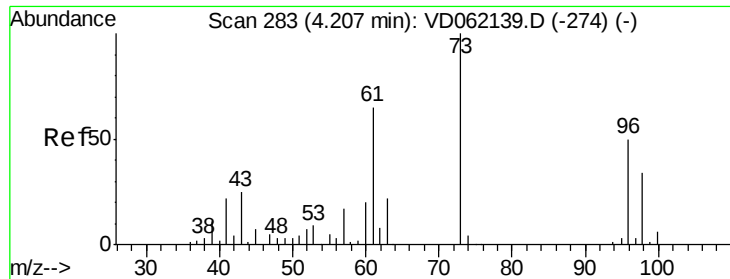
74 21.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

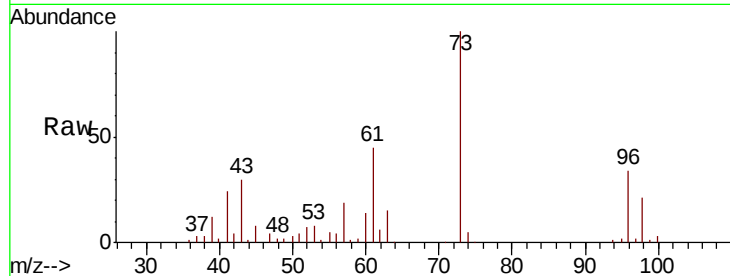




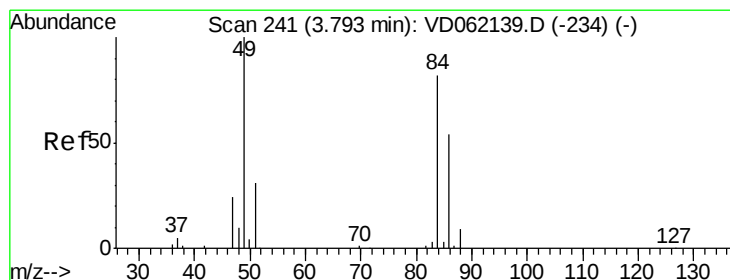
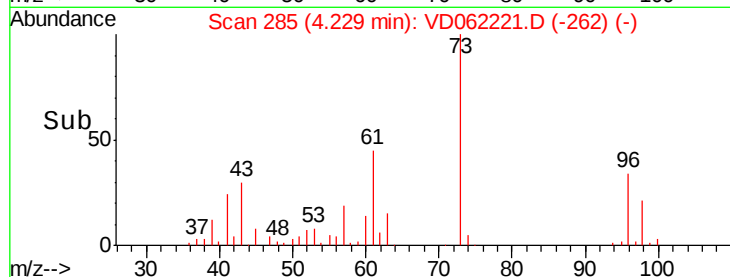
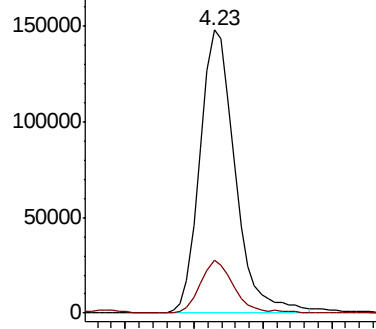
#19
Methvl tert-butvl Ether
Concen: 53.457 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 525445
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5

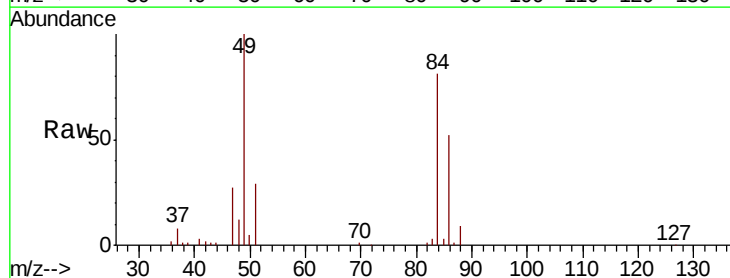


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

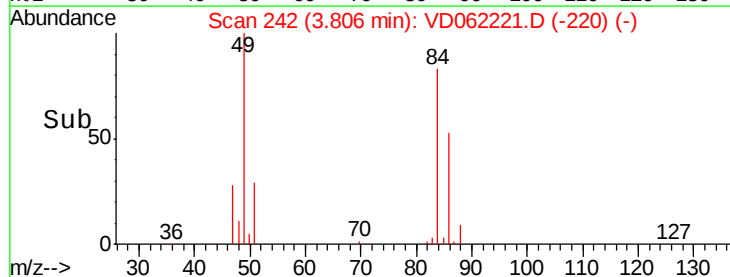
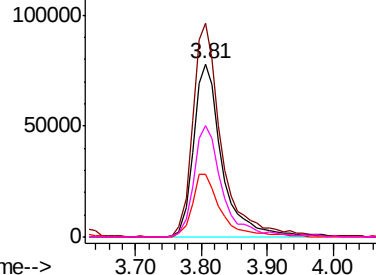


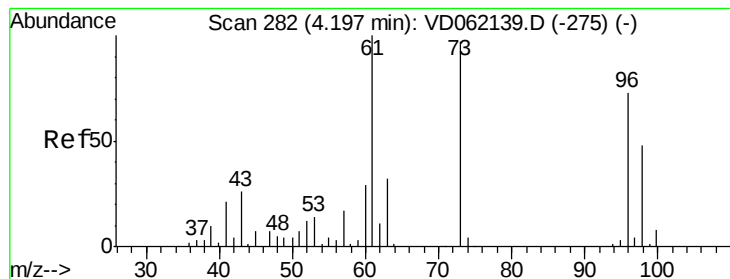
#20
Methylene Chloride
Concen: 48.113 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 84 Resp: 235465
Ion Ratio Lower Upper
84 100
49 123.5 94.0 141.0
51 36.3 29.0 43.4
86 64.0 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 52.390 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

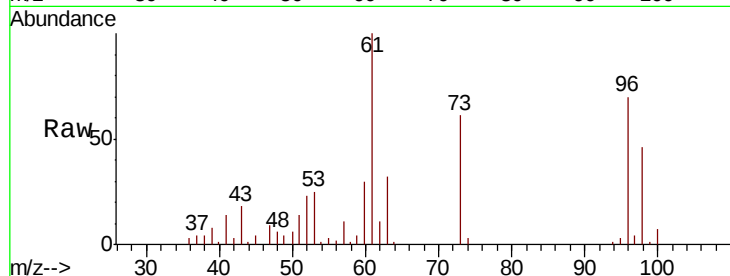
Tot Ion: 96 Resp: 267341

Ion Ratio Lower Upper

96 100

61 143.4 104.4 156.6

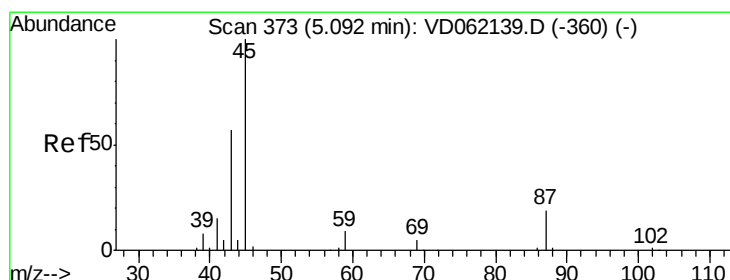
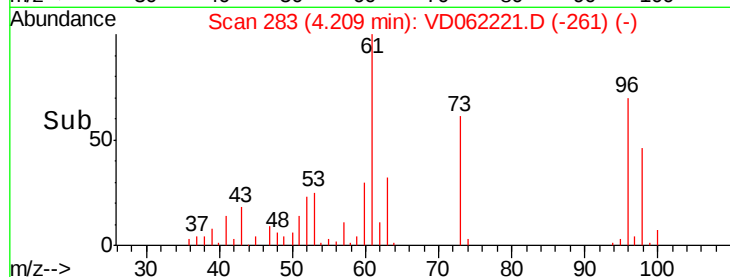
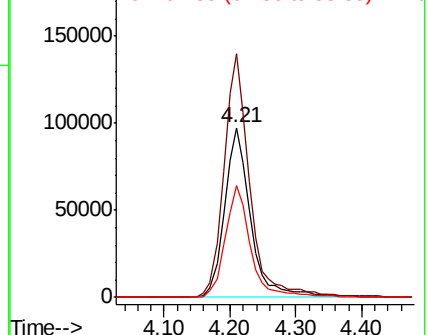
98 65.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.013 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Tgt Ion: 45 Resp: 737996

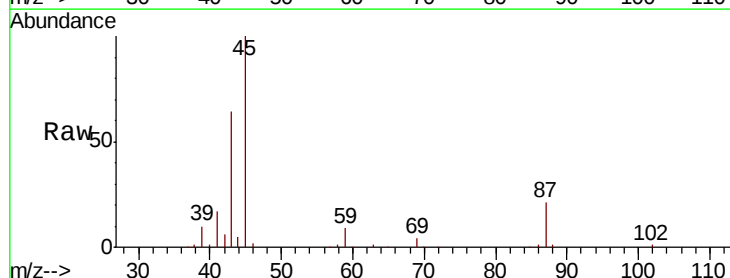
Ion Ratio Lower Upper

45 100

43 63.8 46.2 69.2

87 20.7 15.9 23.9

59 8.6 7.9 11.9

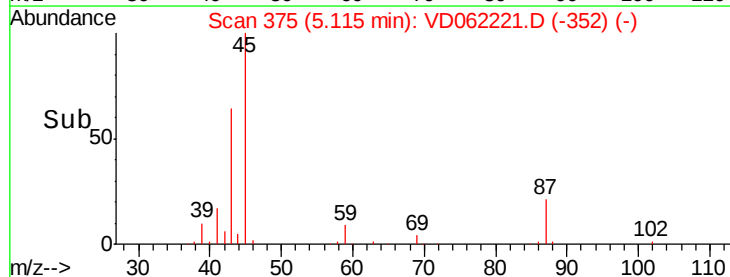
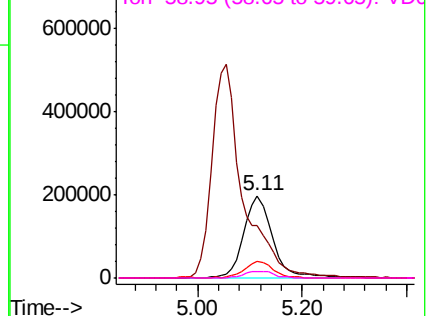


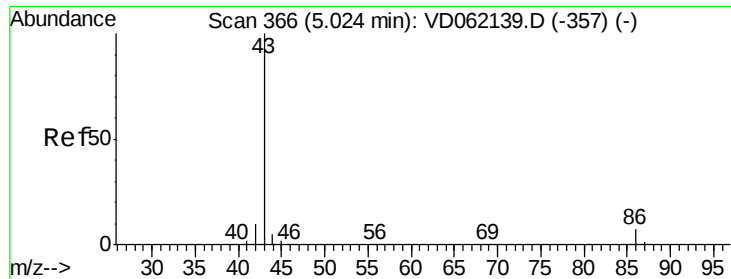
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 278.226 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleID :

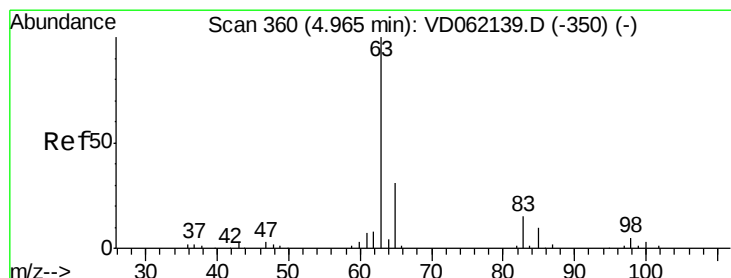
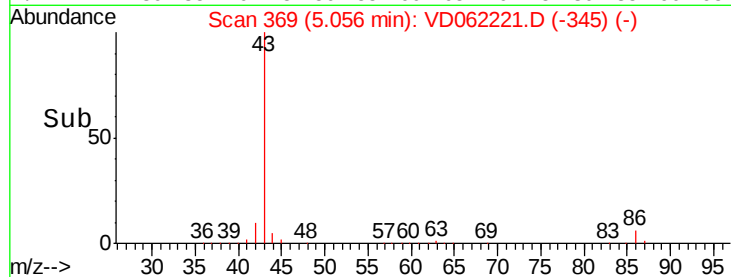
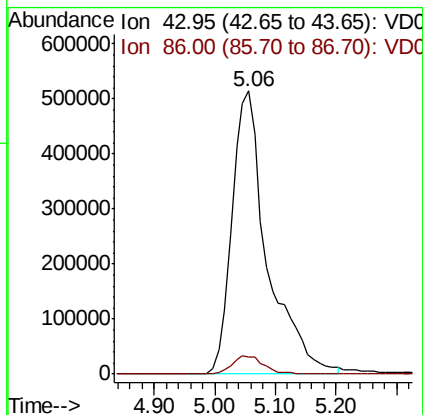
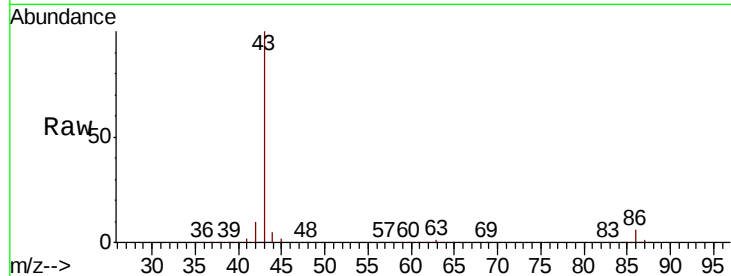
VSTDCCC050

Tot Ion: 43 Resp: 2082828

Ion Ratio Lower Upper

43 100

86 6.2 6.4 9.6#



#24

1,1-Dichloroethane

Concen: 51.414 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

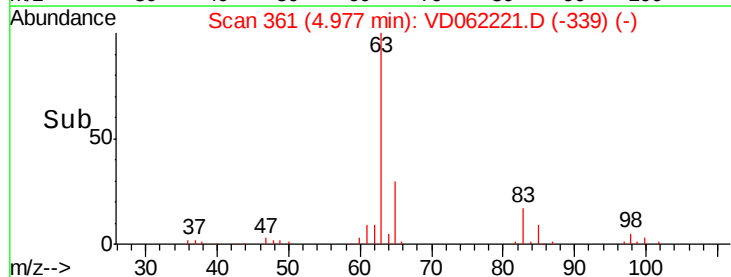
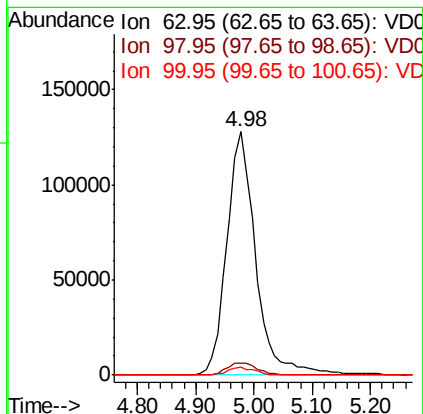
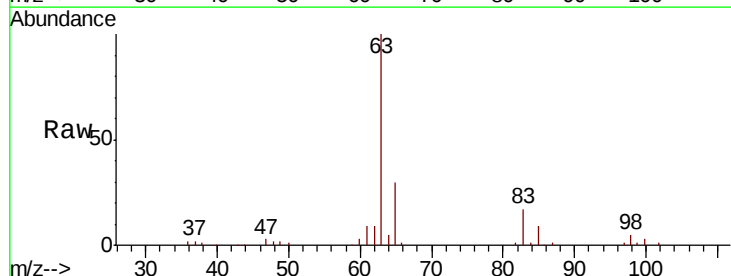
Tgt Ion: 63 Resp: 440080

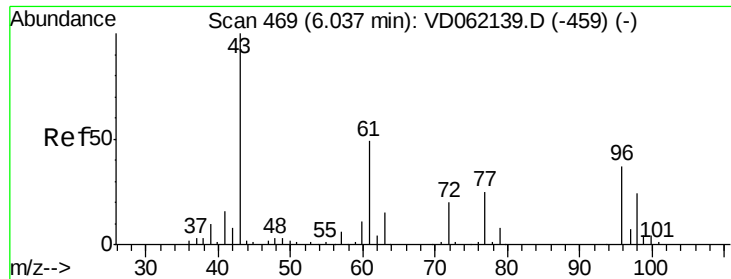
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

100 3.2 1.8 5.5





#25

2-Butanone

Concen: 258.265 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

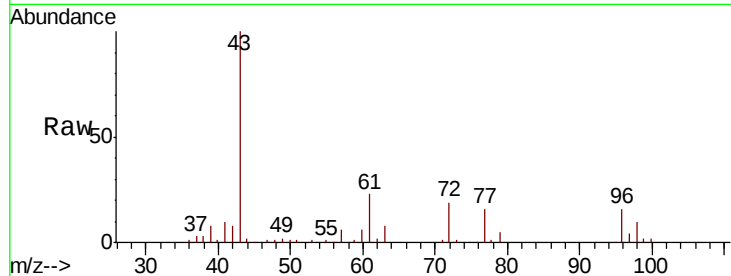
VSTDCCC050

Tot Ion: 43 Resp: 330187

Ion Ratio Lower Upper

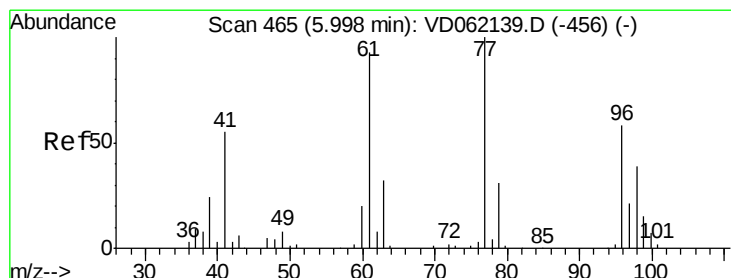
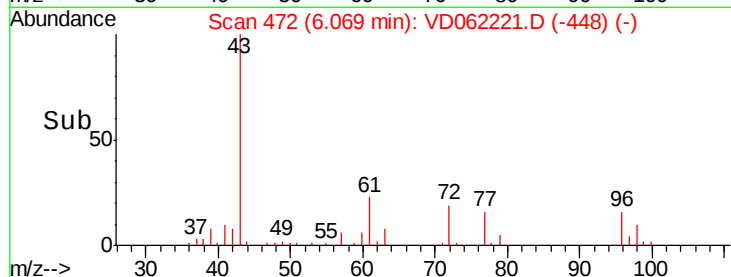
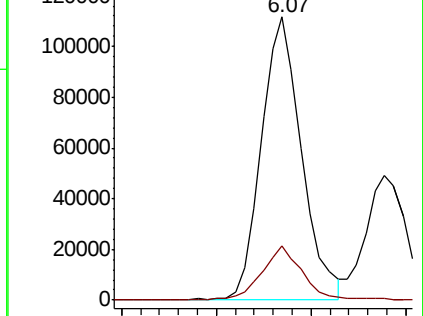
43 100

72 19.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.564 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD062221.D

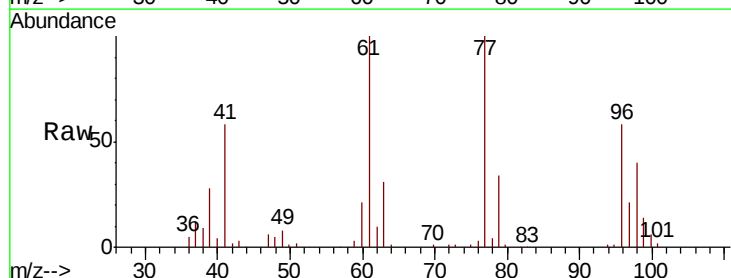
Acq: 10 May 2019 17:54

Tgt Ion: 77 Resp: 448176

Ion Ratio Lower Upper

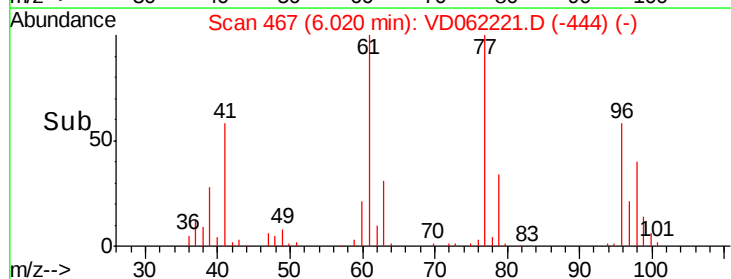
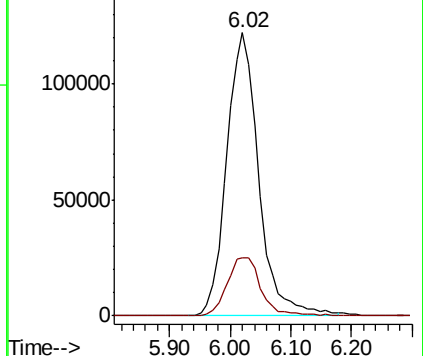
77 100

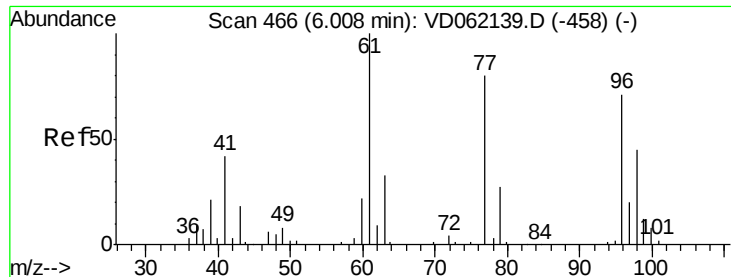
97 20.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



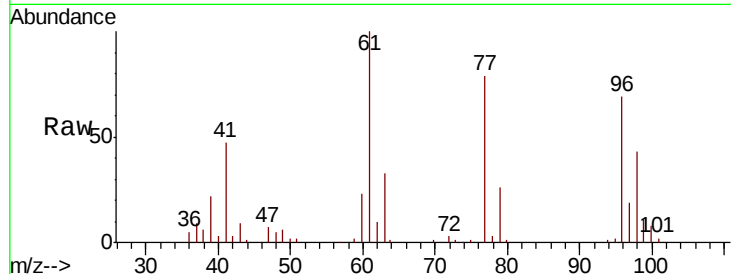


#27

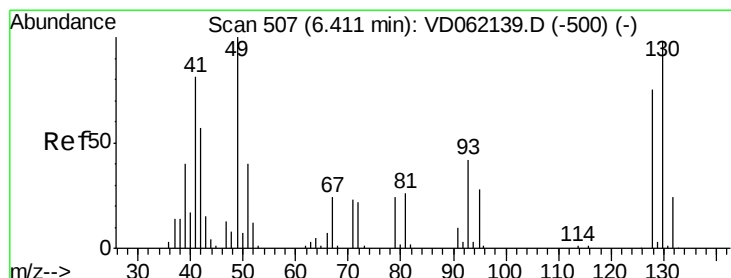
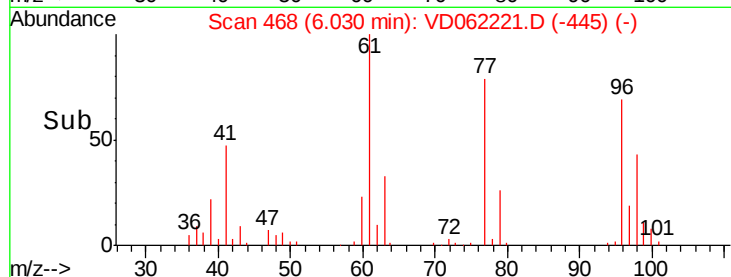
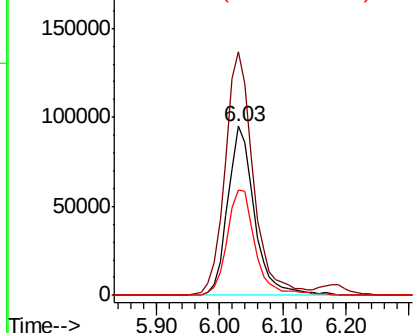
cis-1,2-Dichloroethene
 Concen: 48.743 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	279.8
98	62.6	0.0	136.0



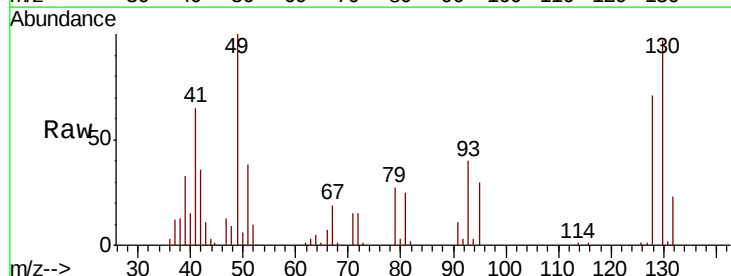
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



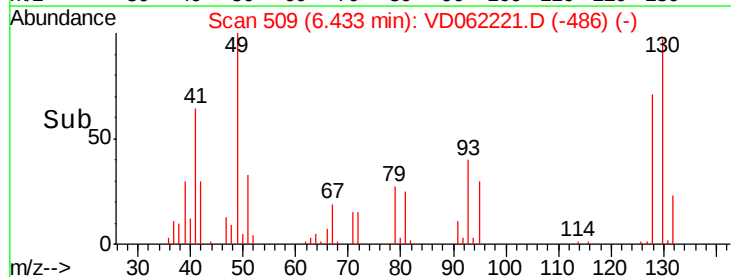
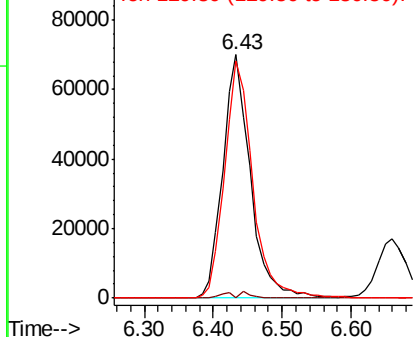
#28

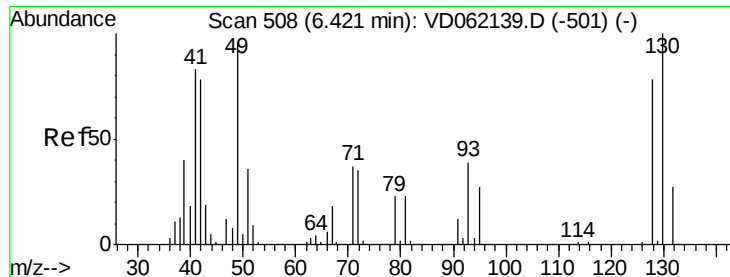
Bromochloromethane
 Concen: 57.664 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.6
130	97.3	86.7	130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

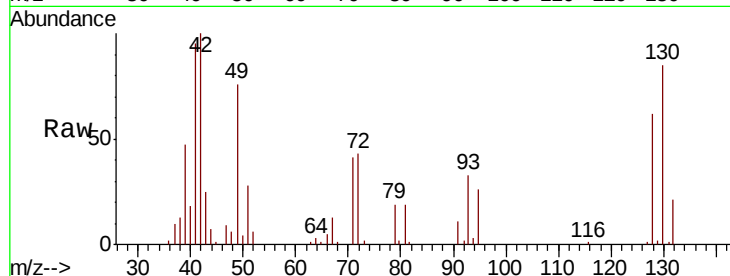




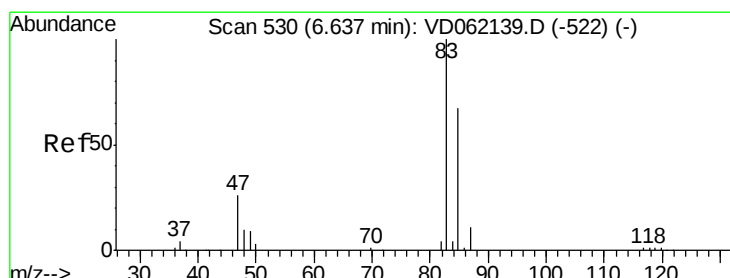
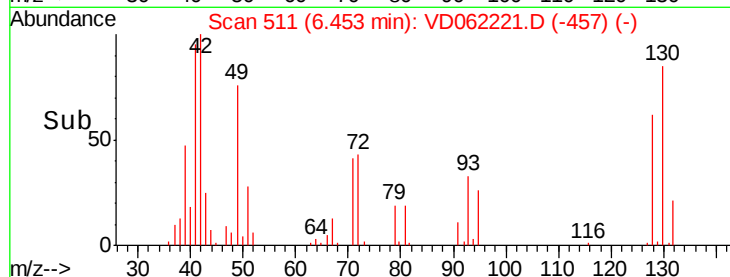
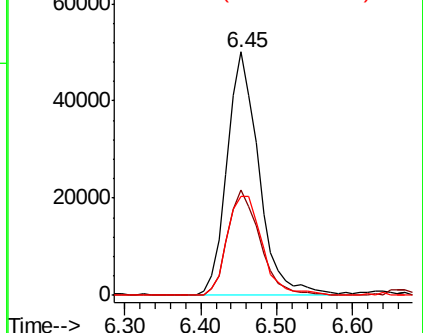
#29
Tetrahydrofuran
Concen: 248.642 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 146468
Ion Ratio Lower Upper
42 100
72 43.9 37.8 56.6
71 44.8 36.7 55.1

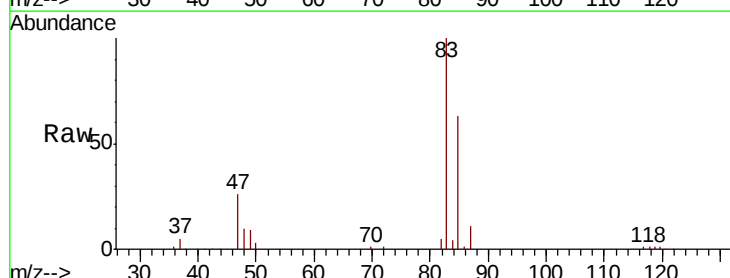


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

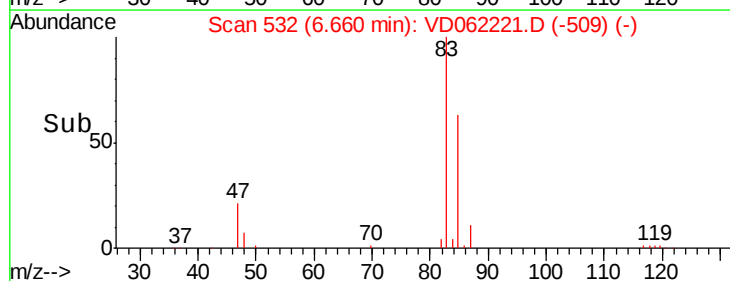
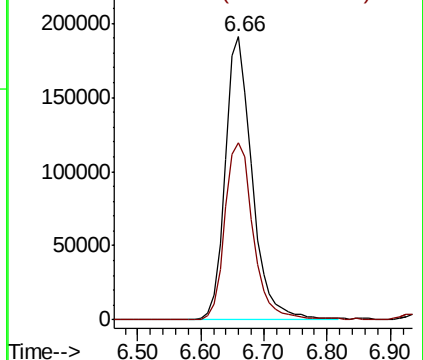


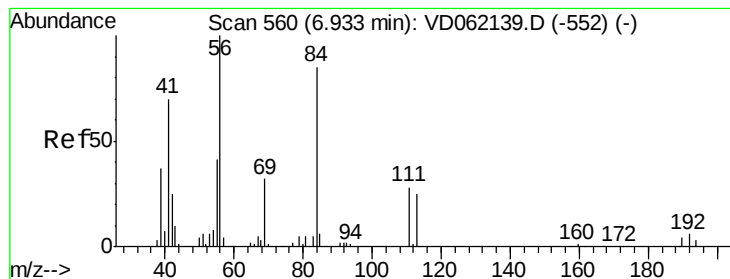
#30
Chloroform
Concen: 54.456 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 83 Resp: 561756
Ion Ratio Lower Upper
83 100
85 62.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 46.662 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

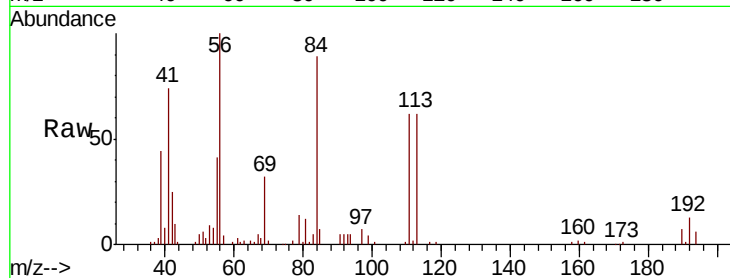
Tot Ion: 56 Resp: 273636

Ion Ratio Lower Upper

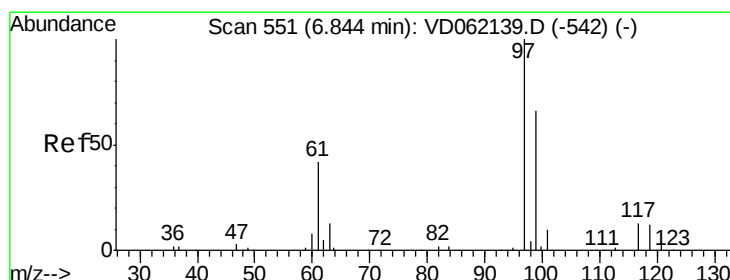
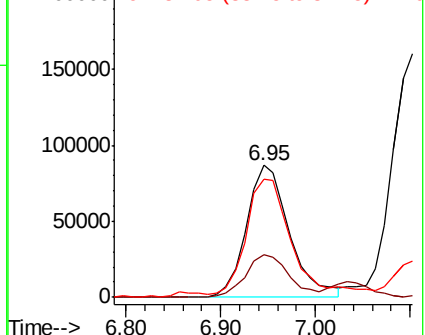
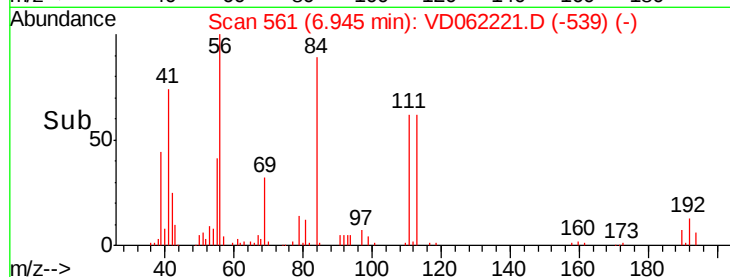
56 100

69 32.2 25.8 38.6

84 89.4 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 52.847 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

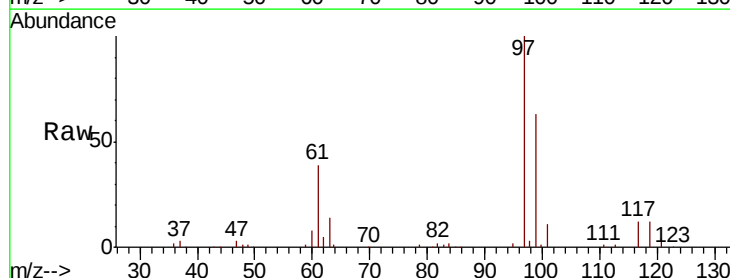
Tgt Ion: 97 Resp: 515279

Ion Ratio Lower Upper

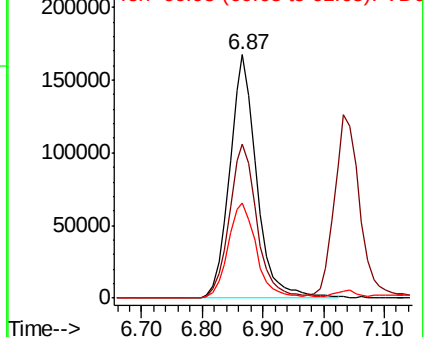
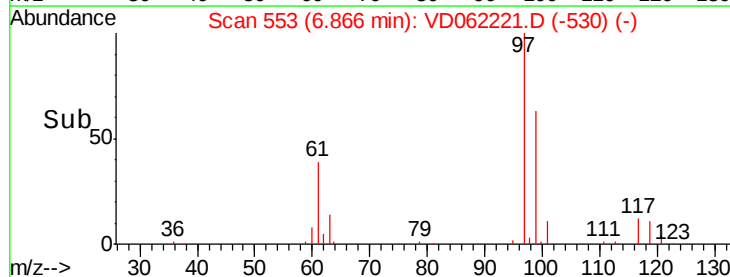
97 100

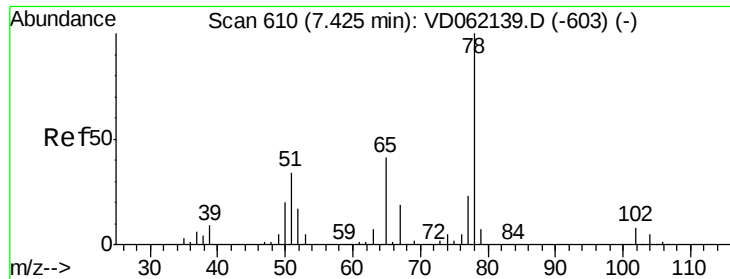
99 63.2 52.2 78.2

61 39.2 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 61.368 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

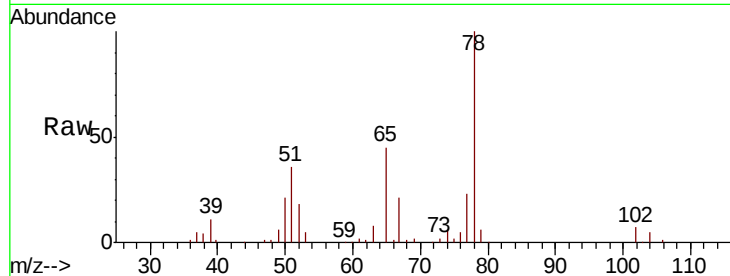
VSTDCCC050

Tot Ion: 65 Resp: 342992

Ion Ratio Lower Upper

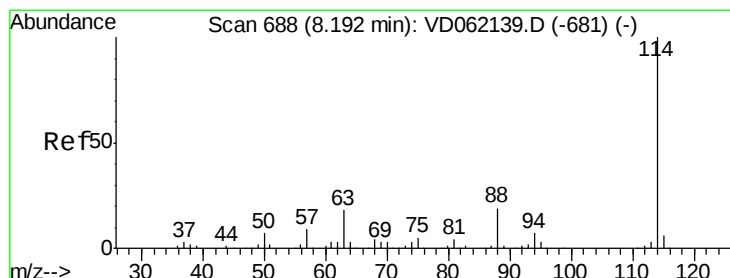
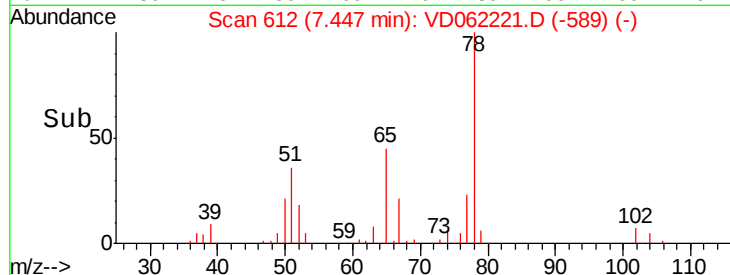
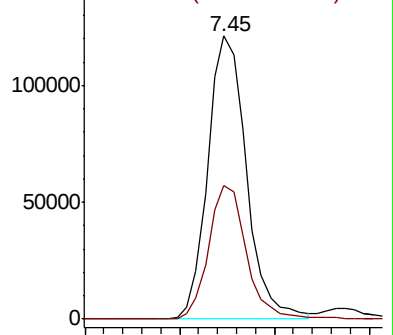
65 100

67 47.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

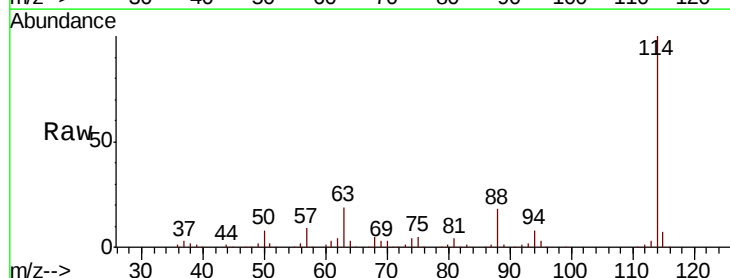
Tgt Ion:114 Resp: 838522

Ion Ratio Lower Upper

114 100

63 19.3 0.0 32.4

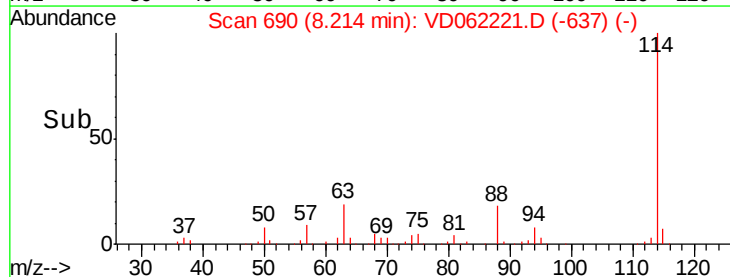
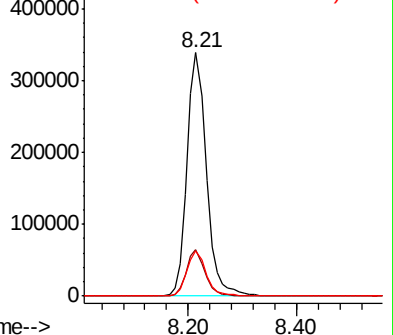
88 18.5 0.0 33.6

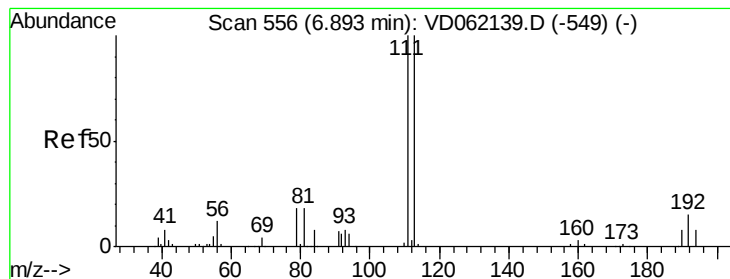


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.947 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

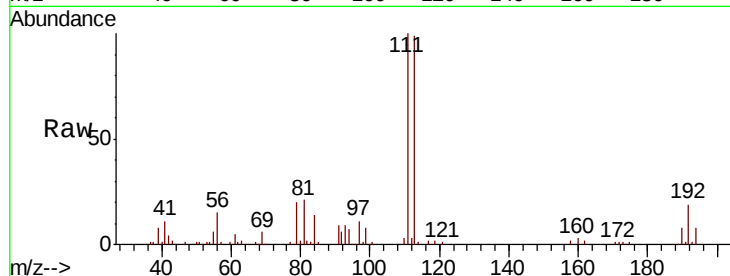
Tot Ion:113 Resp: 389239

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

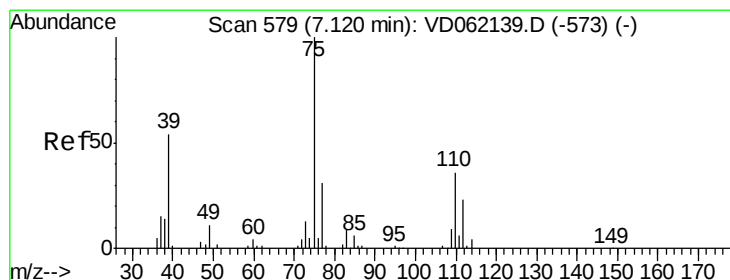
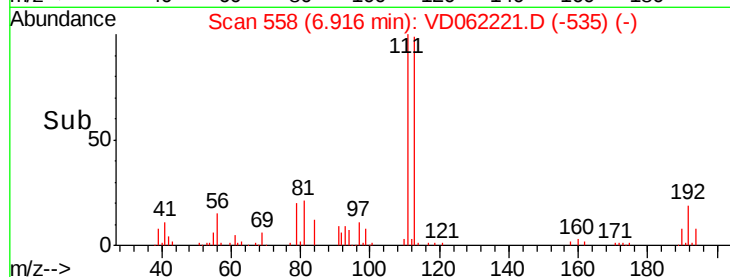
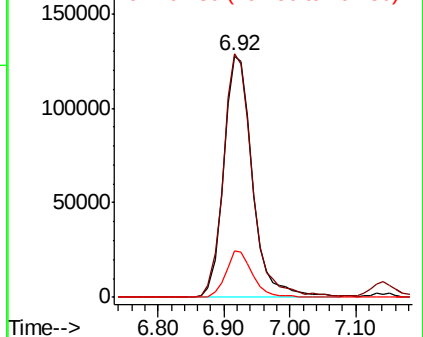
192 19.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.328 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

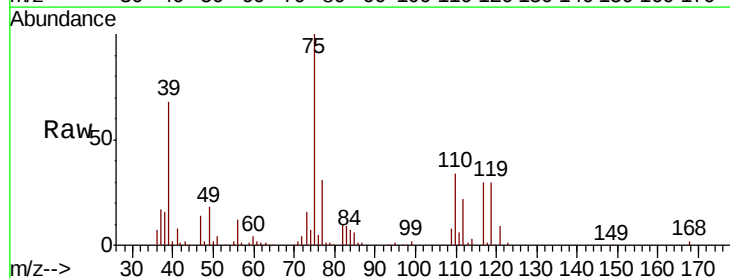
Tgt Ion: 75 Resp: 359758

Ion Ratio Lower Upper

75 100

110 33.7 19.1 57.1

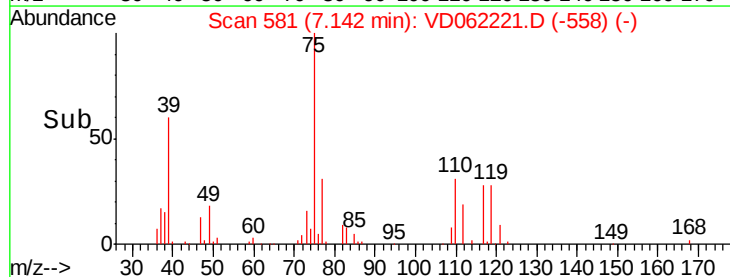
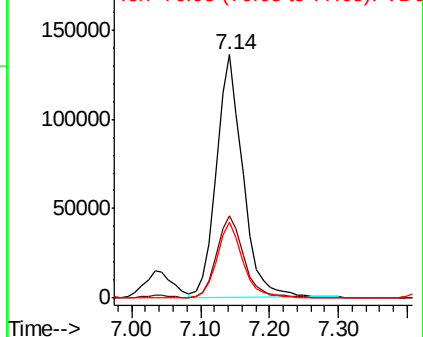
77 31.4 25.6 38.4

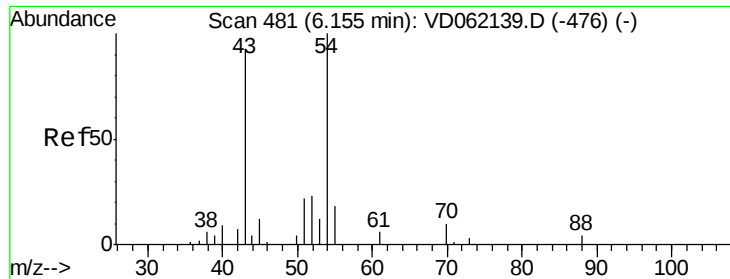


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 53.198 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

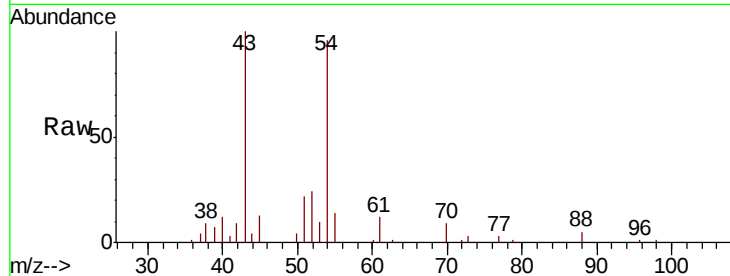
Tot Ion: 43 Resp: 155105

Ion Ratio Lower Upper

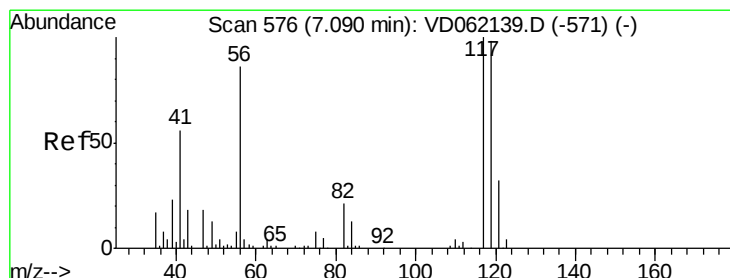
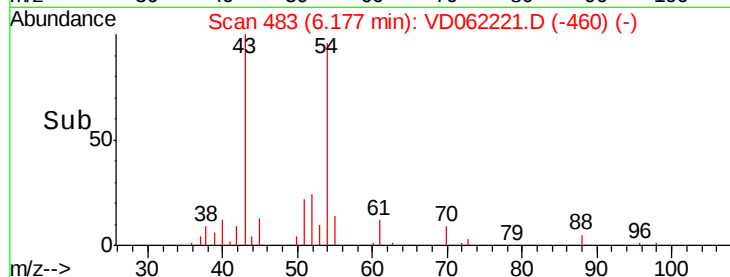
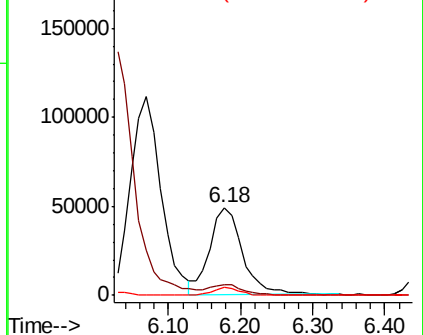
43 100

61 12.4 14.7 22.1#

70 8.8 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 63.703 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

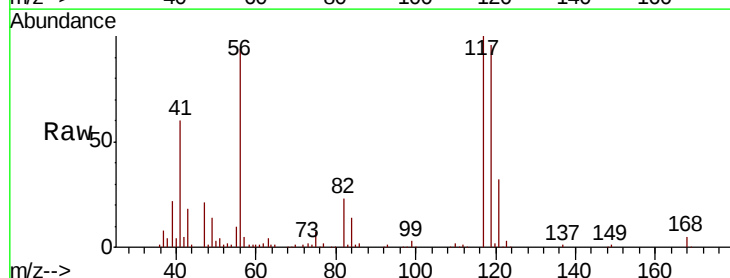
Tgt Ion: 117 Resp: 606176

Ion Ratio Lower Upper

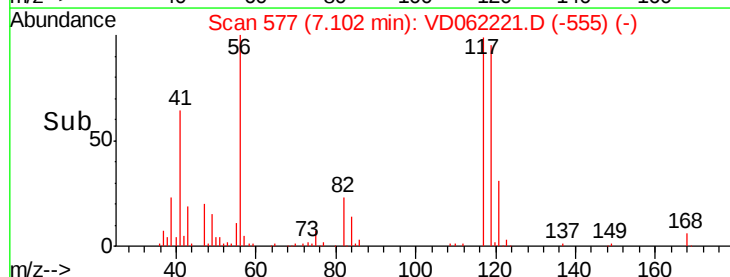
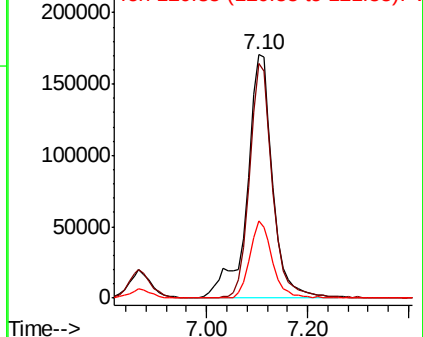
117 100

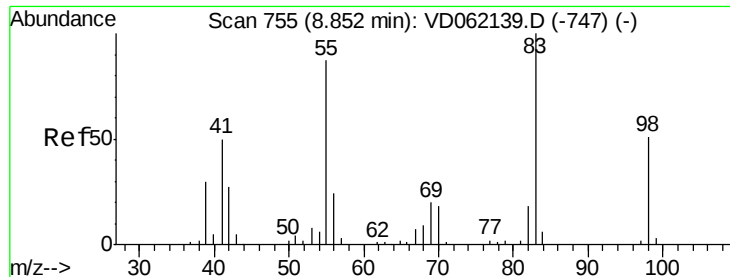
119 96.2 75.8 113.8

121 31.7 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

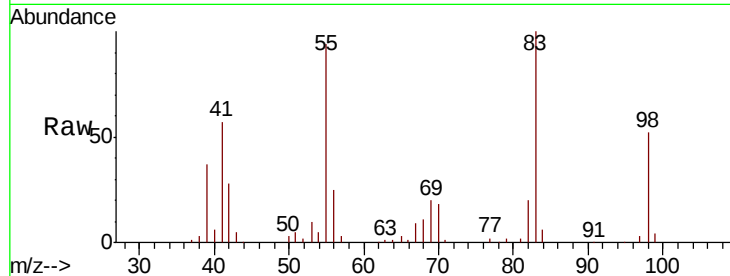




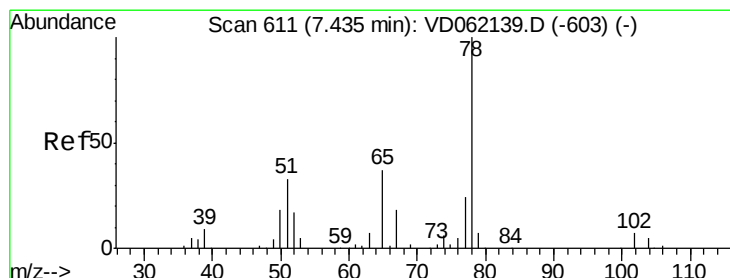
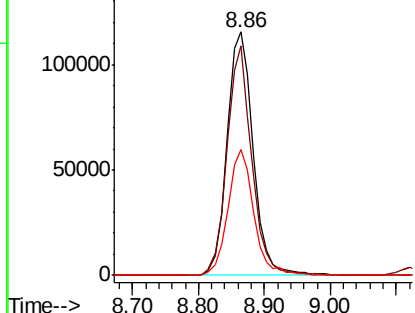
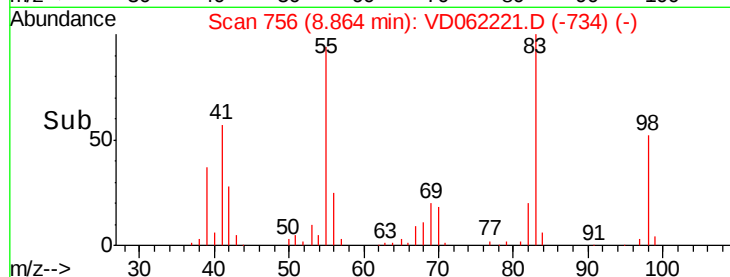
#39
Methvlcvclohexane
Concen: 48.618 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 320254
Ion Ratio Lower Upper
83 100
55 94.4 68.2 102.4
98 51.8 38.2 57.4

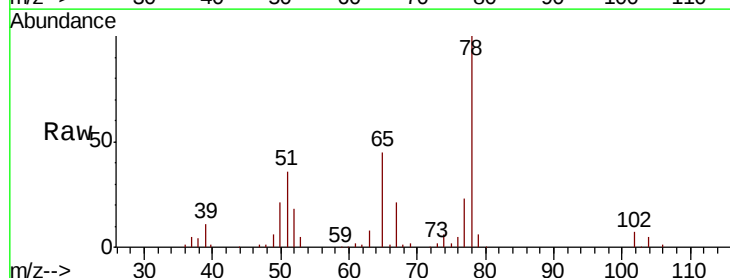


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

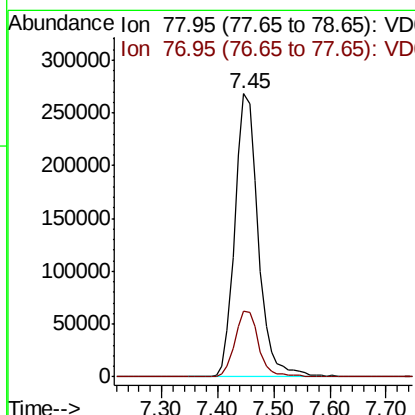
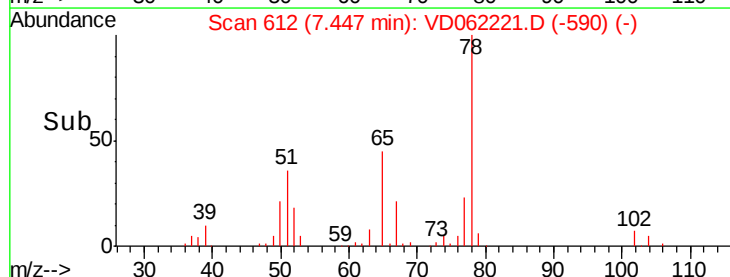


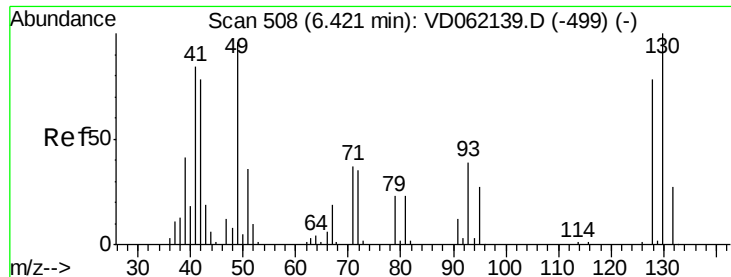
#40
Benzene
Concen: 50.145 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 78 Resp: 778481
Ion Ratio Lower Upper
78 100
77 23.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

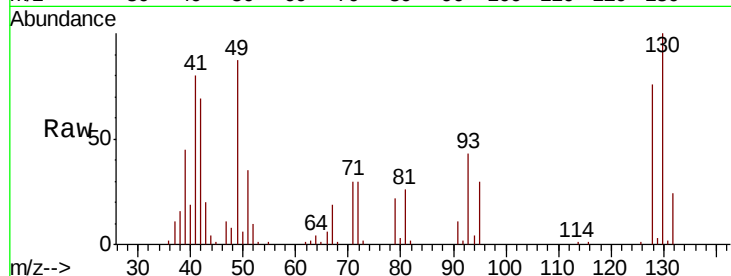




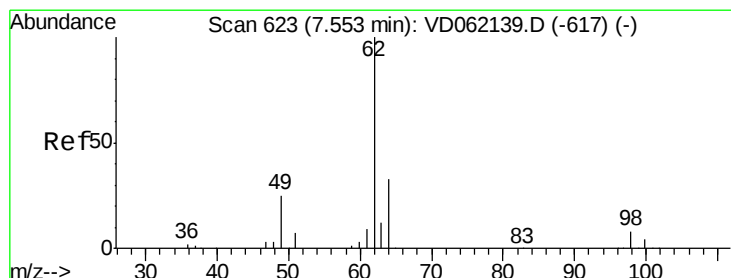
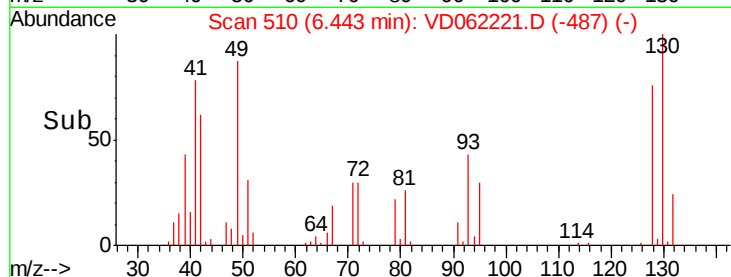
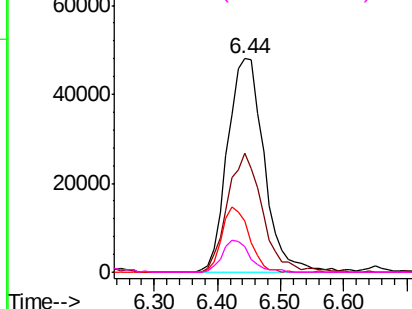
#41
Methacrylonitrile
Concen: 54.243 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 193269
Ion Ratio Lower Upper
41 100
39 55.8 34.1 51.1#
67 24.0 23.8 35.6
52 12.3 8.8 13.2

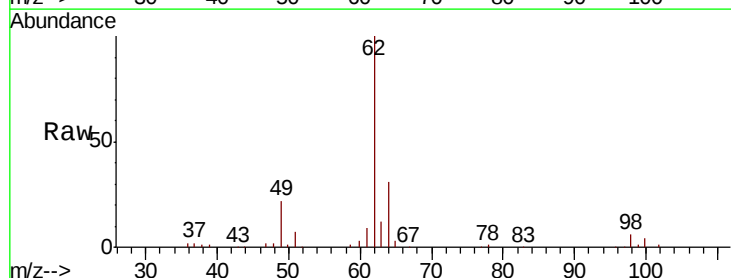


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

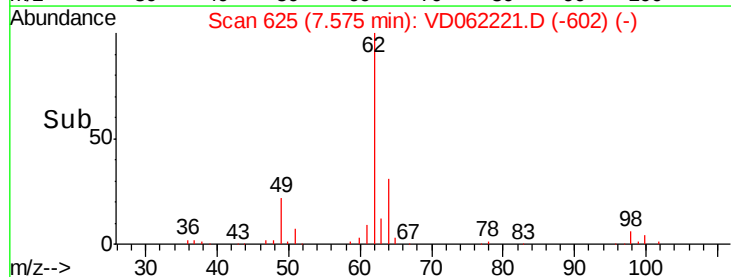
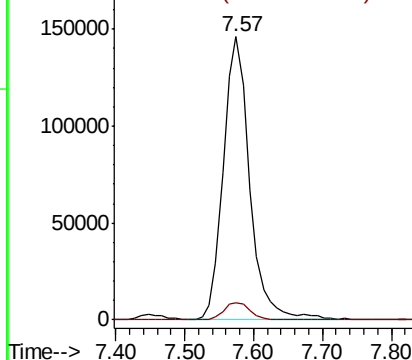


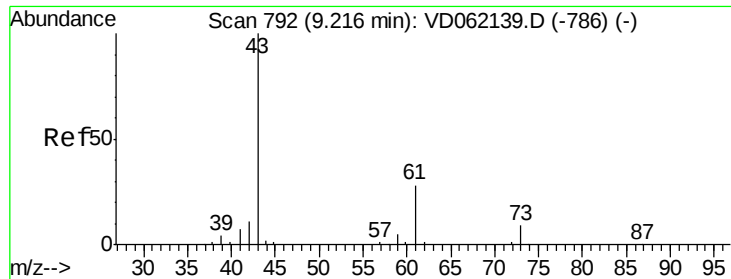
#42
1,2-Dichloroethane
Concen: 59.015 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 62 Resp: 388178
Ion Ratio Lower Upper
62 100
98 5.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



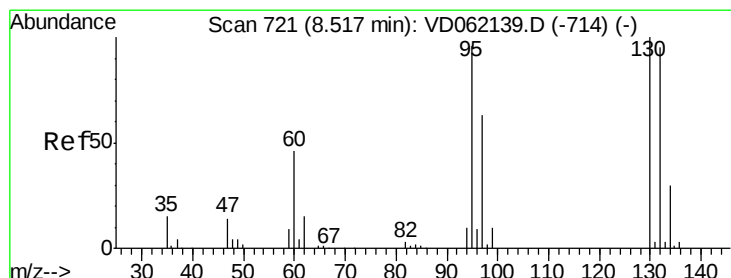
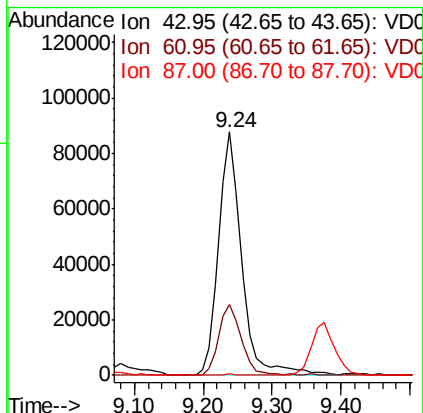
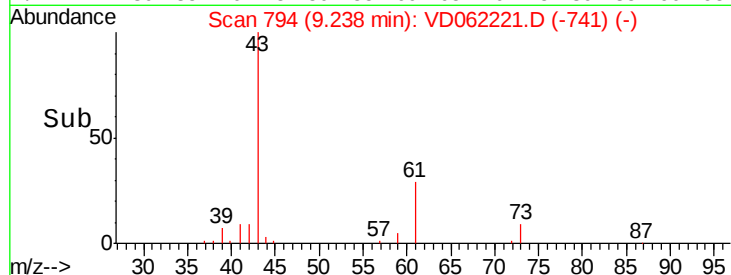
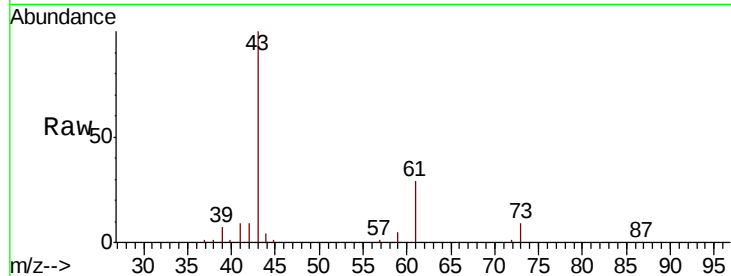


#43

Isopropyl Acetate
 Concen: 49.486 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

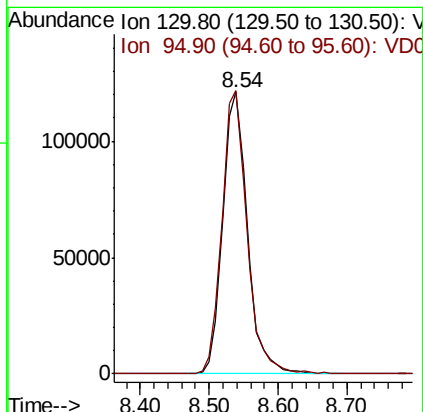
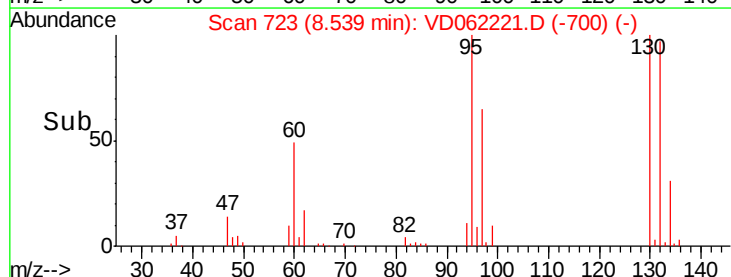
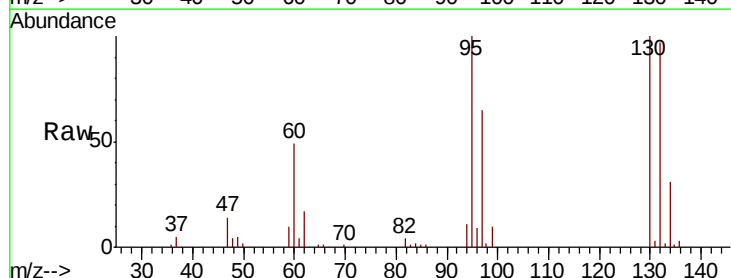
Tot Ion: 43 Resp: 204625
 Ion Ratio Lower Upper
 43 100
 61 29.3 25.1 37.7
 87 0.5 0.0 0.0#

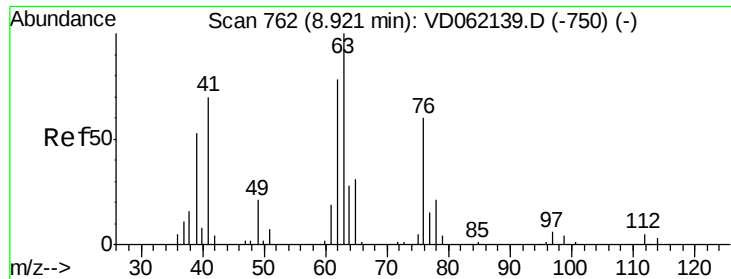


#44

Trichloroethene
 Concen: 50.777 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion:130 Resp: 300388
 Ion Ratio Lower Upper
 130 100
 95 100.5 0.0 174.0





#45

1,2-Dichloropropane

Concen: 46.088 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

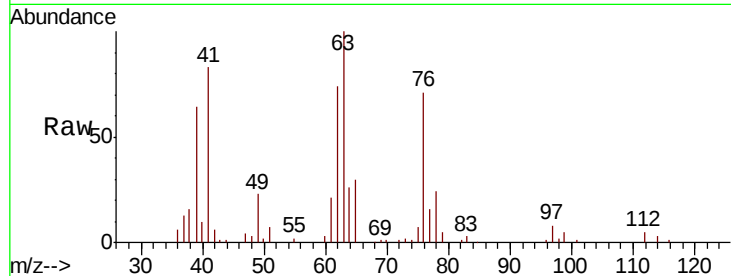
VSTDCCC050

Tot Ion: 63 Resp: 176981

Ion Ratio Lower Upper

63 100

65 30.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

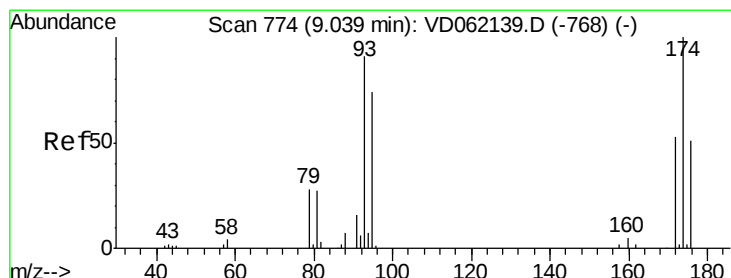
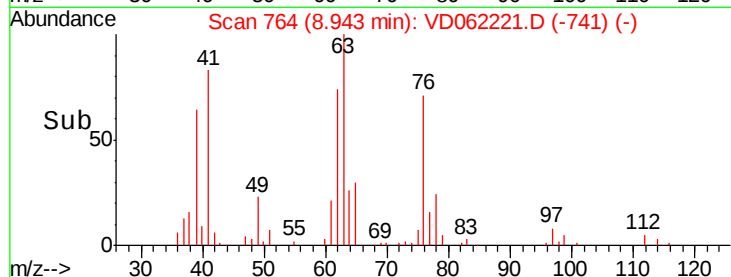
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 55.542 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

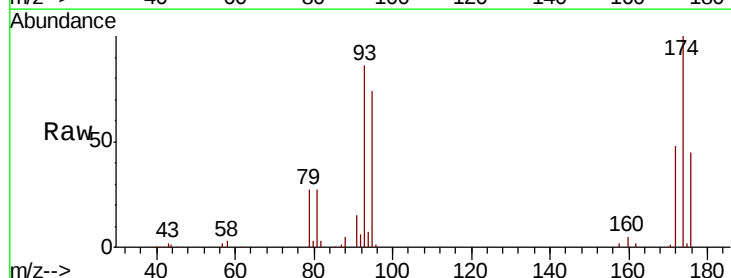
Tgt Ion: 93 Resp: 173442

Ion Ratio Lower Upper

93 100

95 86.7 64.8 97.2

174 116.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

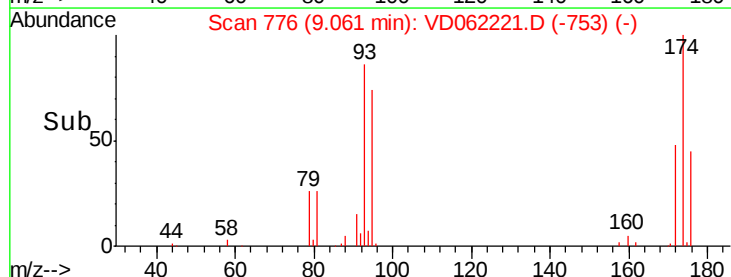
60000

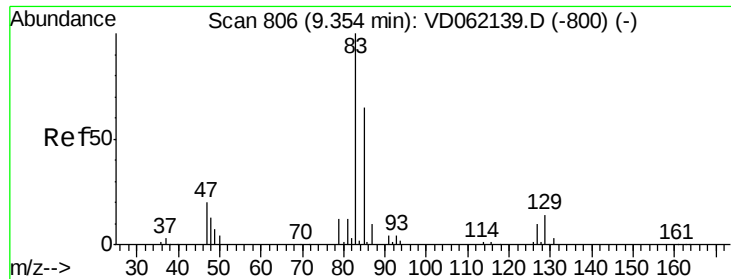
40000

20000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 57.788 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

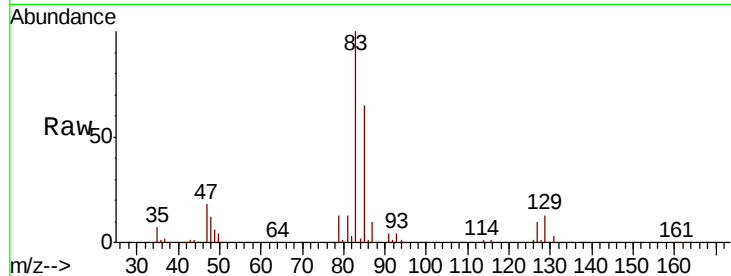
Tot Ion: 83 Resp: 441393

Ion Ratio Lower Upper

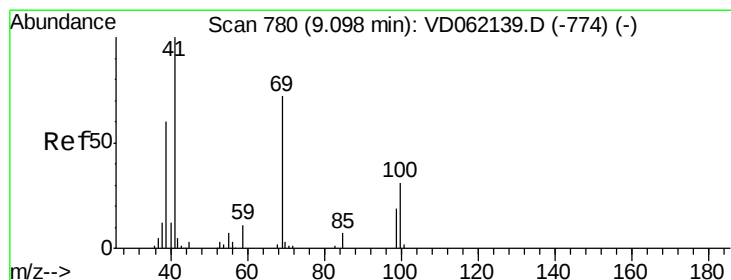
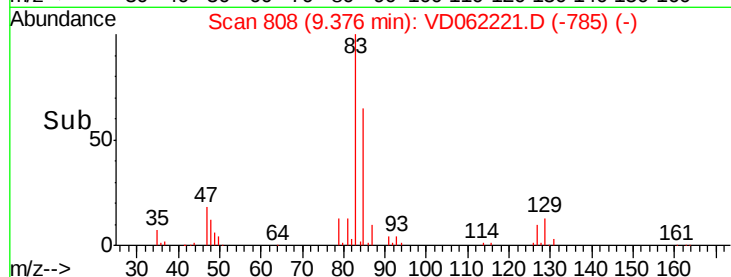
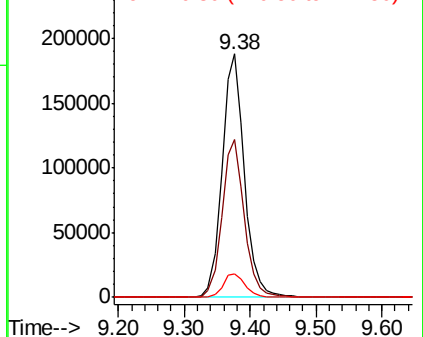
83 100

85 65.0 50.9 76.3

127 9.6 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.657 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

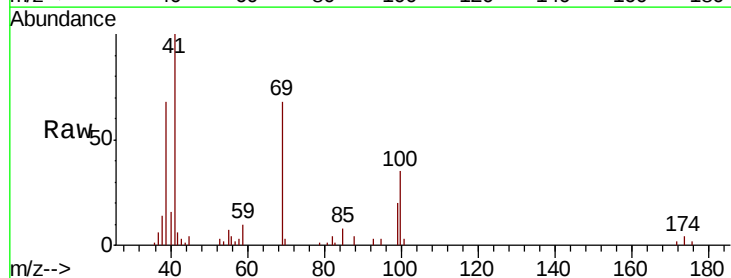
Tgt Ion: 41 Resp: 131570

Ion Ratio Lower Upper

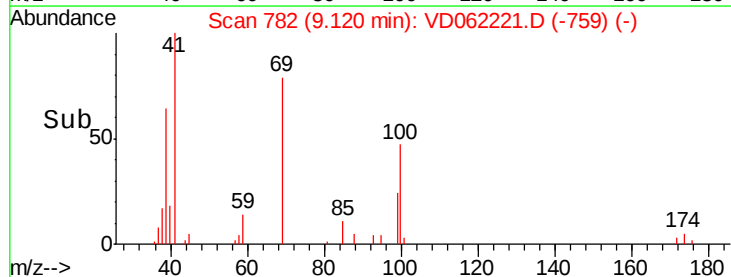
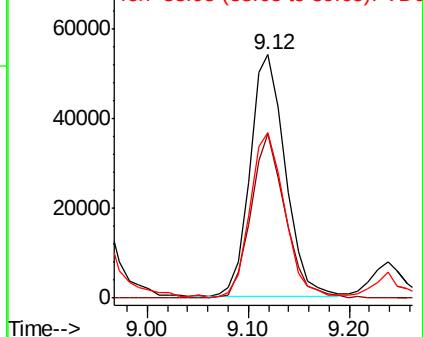
41 100

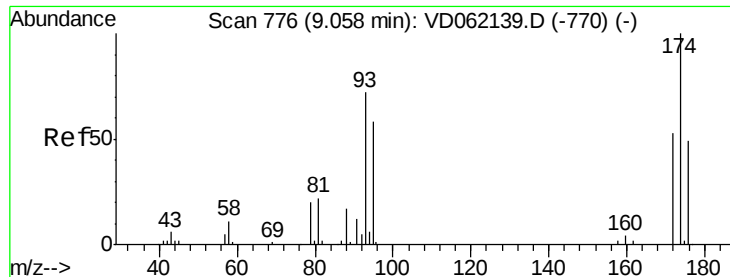
69 67.7 64.2 96.2

39 68.2 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 975.732 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

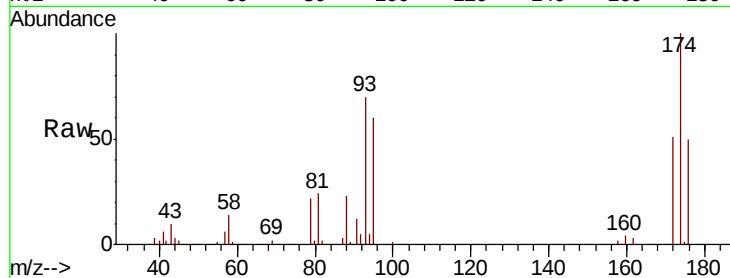
Tot Ion: 88 Resp: 26814

Ion Ratio Lower Upper

88 100

43 45.3 23.4 35.0#

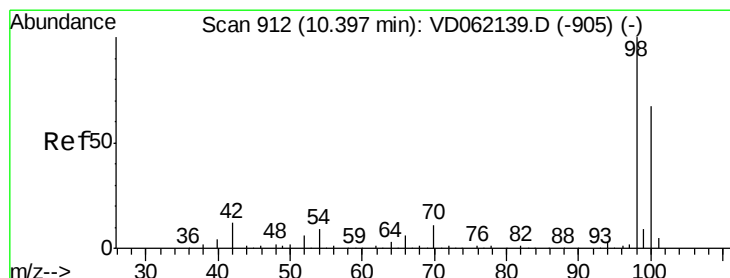
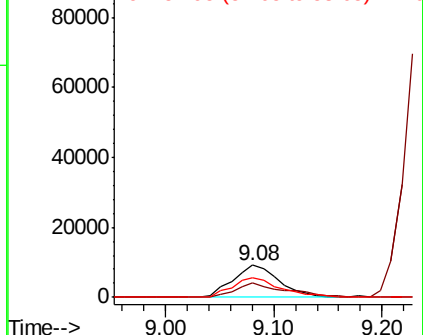
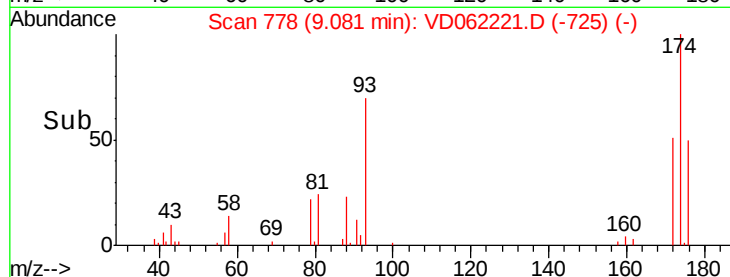
58 60.4 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 53.707 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062221.D

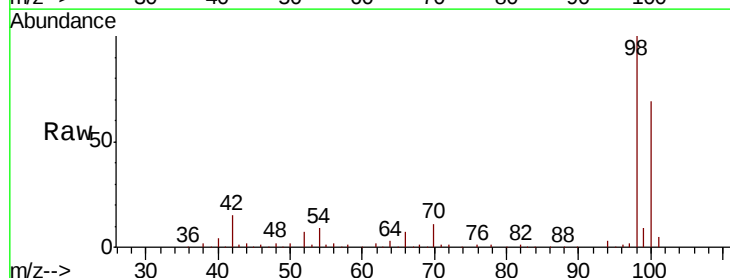
Acq: 10 May 2019 17:54

Tgt Ion: 98 Resp: 900918

Ion Ratio Lower Upper

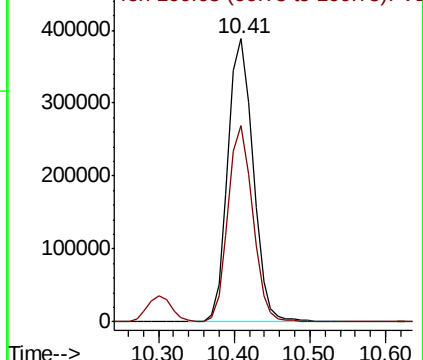
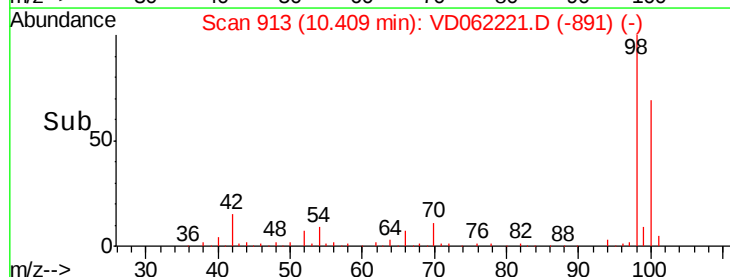
98 100

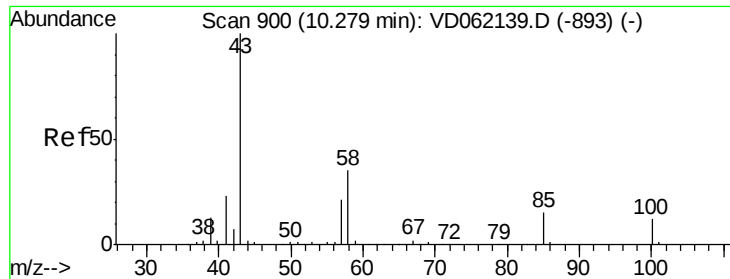
100 69.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 256.482 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

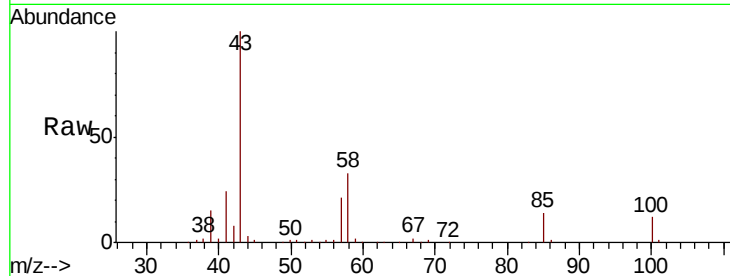
VSTDCCC050

Tot Ion: 43 Resp: 681734

Ion Ratio Lower Upper

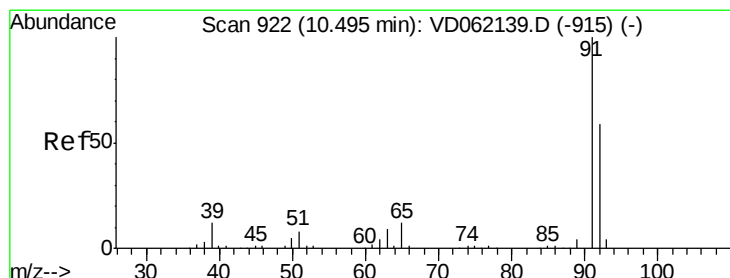
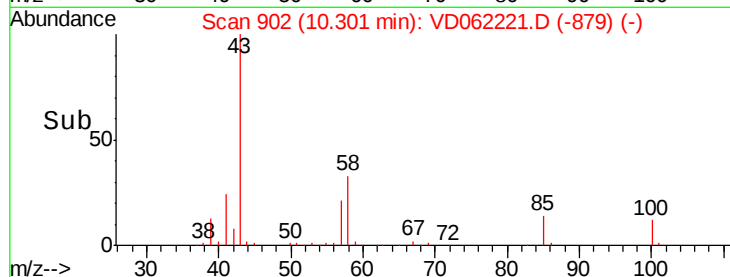
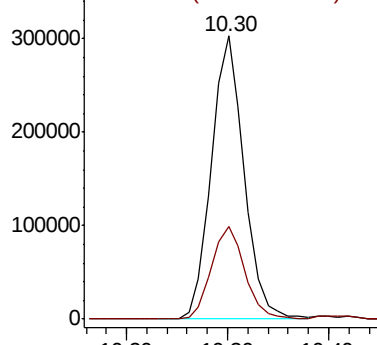
43 100

58 32.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.379 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062221.D

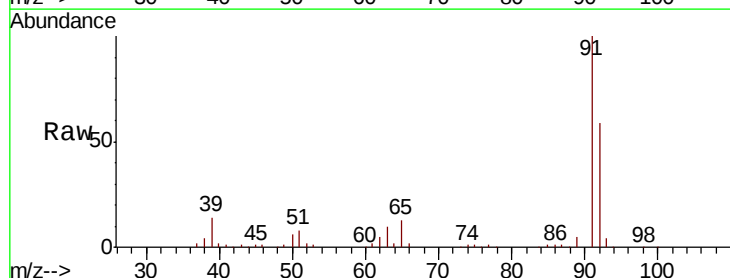
Acq: 10 May 2019 17:54

Tgt Ion: 92 Resp: 518983

Ion Ratio Lower Upper

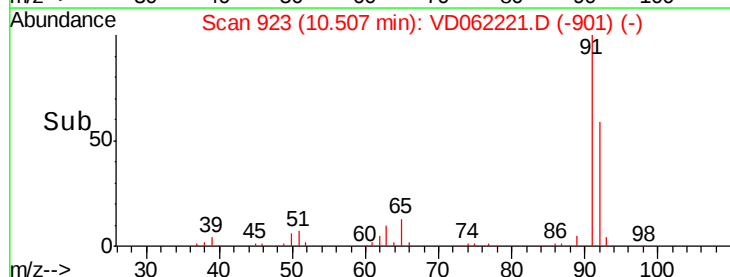
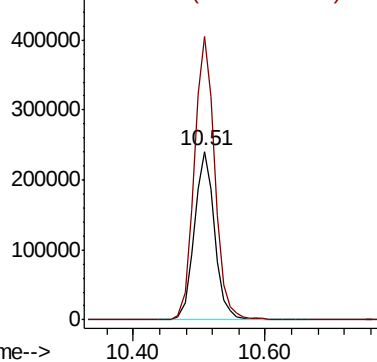
92 100

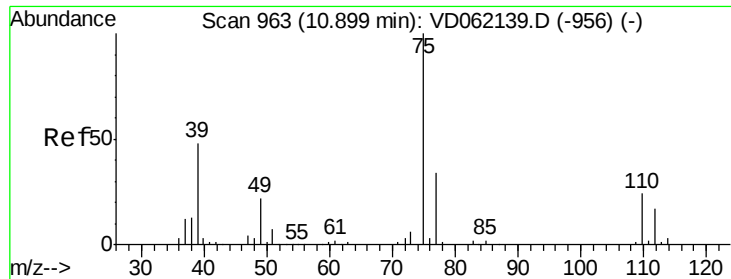
91 168.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

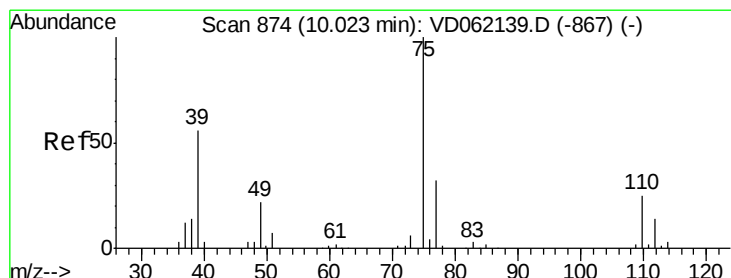
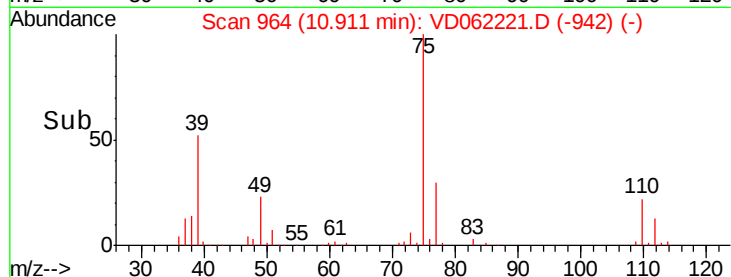
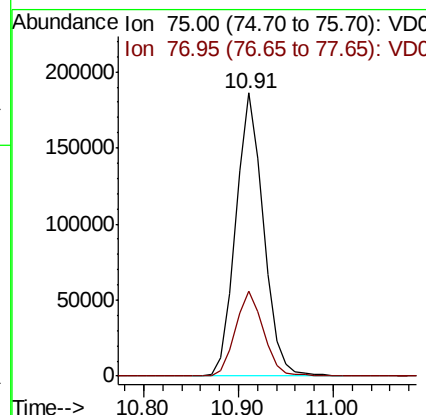
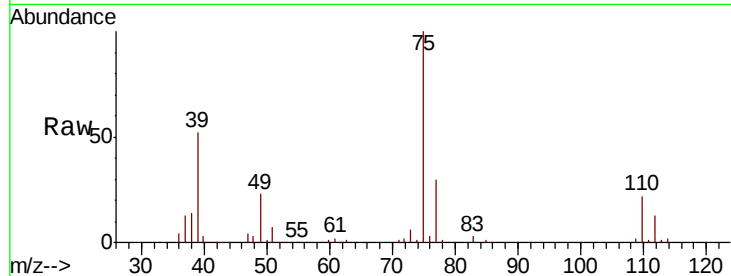




#53
 t-1,3-Dichloropropene
 Concen: 57.009 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

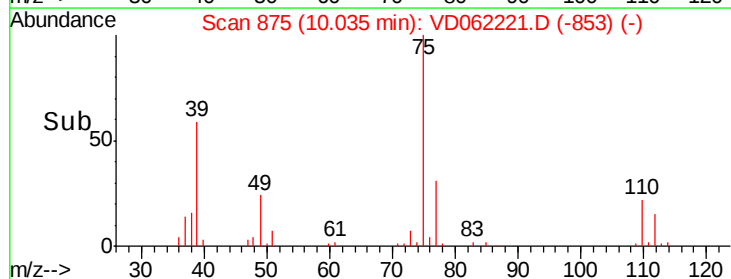
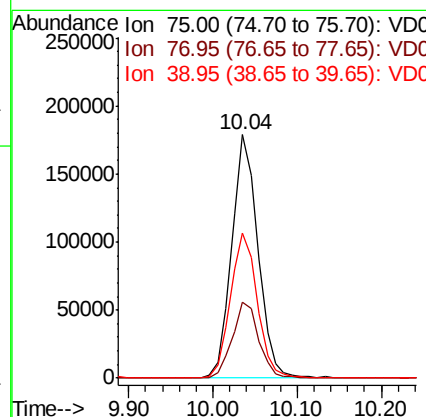
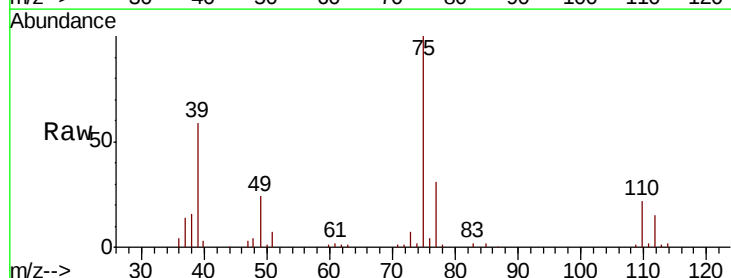
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

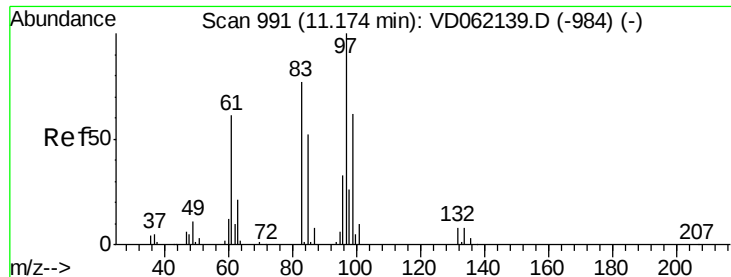
Tot Ion: 75 Resp: 376344
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.697 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion: 75 Resp: 386713
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 59.4 39.4 59.2#

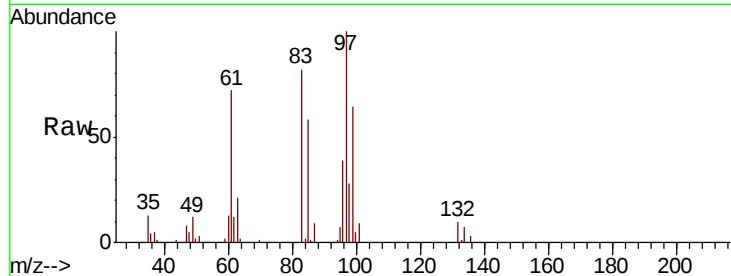




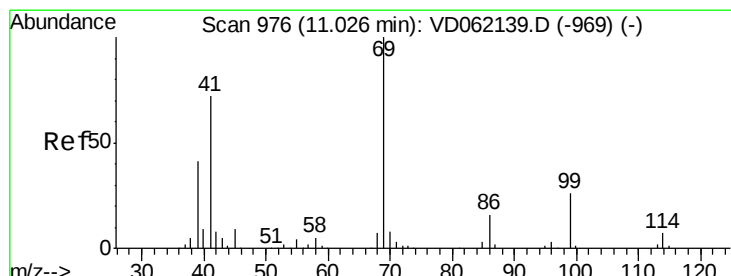
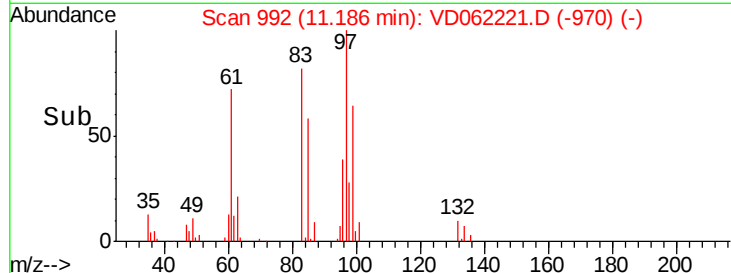
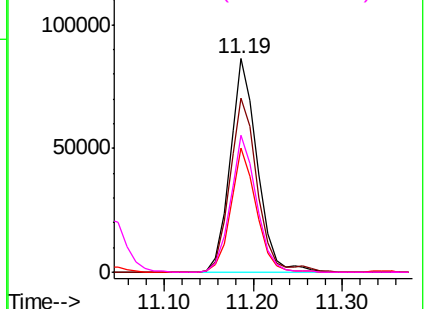
#55
 1,1,2-Trichloroethane
 Concen: 51.409 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 183733
 Ion Ratio Lower Upper
 97 100
 83 81.8 65.7 98.5
 85 58.0 45.6 68.4
 99 64.0 48.4 72.6

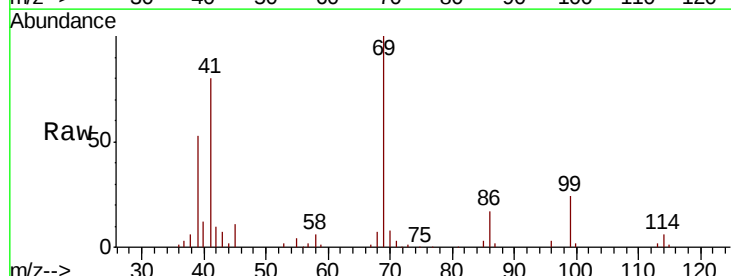


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

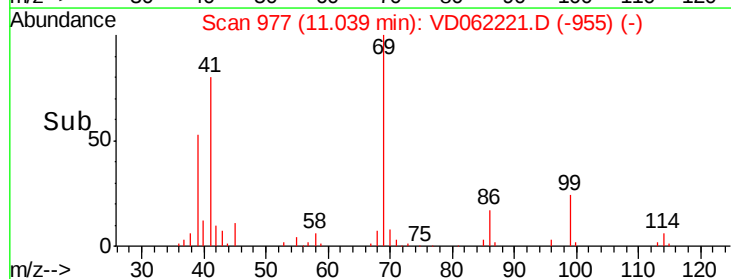
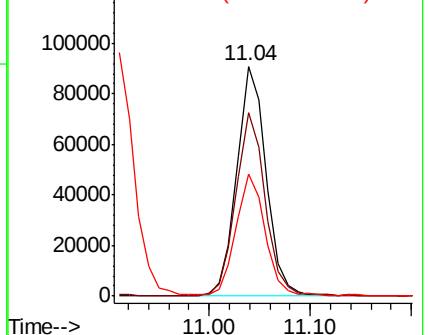


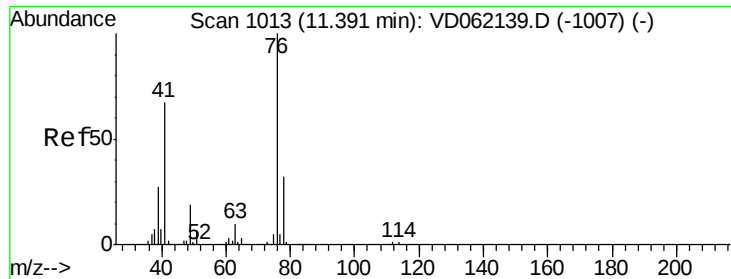
#56
 Ethyl methacrylate
 Concen: 49.600 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion: 69 Resp: 184210
 Ion Ratio Lower Upper
 69 100
 41 80.0 56.3 84.5
 39 53.2 29.4 44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 54.310 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

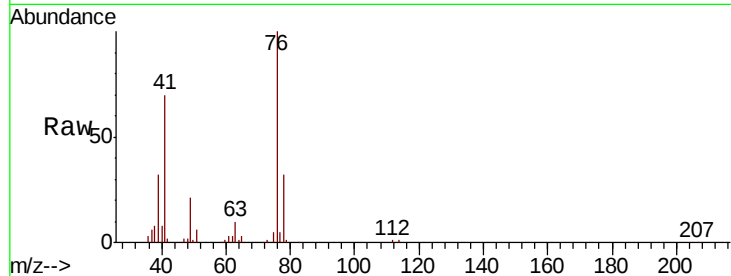
VSTDCCC050

Tot Ion: 76 Resp: 293242

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

150000

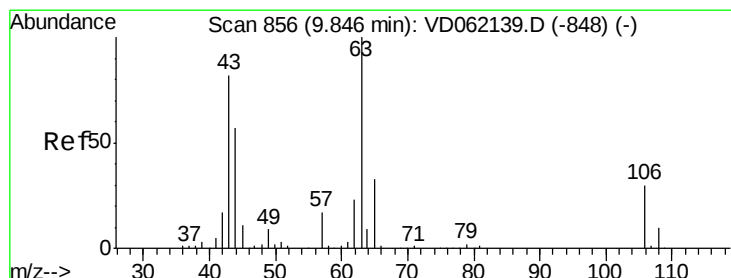
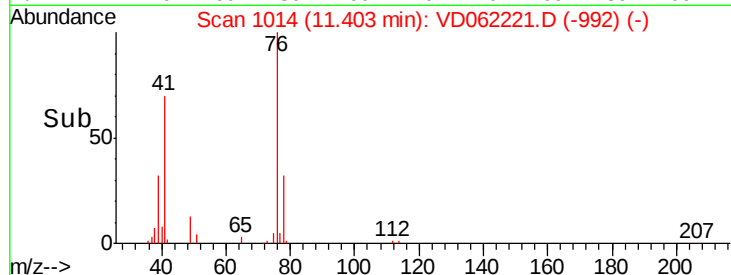
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 264.556 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062221.D

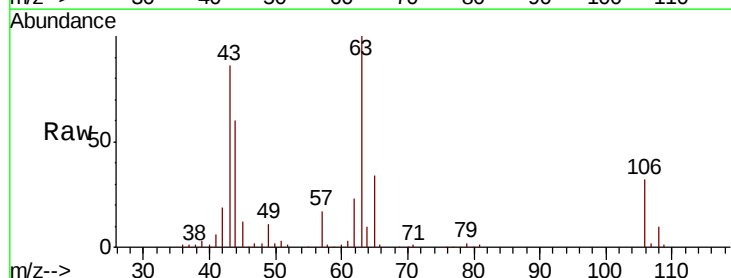
Acq: 10 May 2019 17:54

Tgt Ion: 63 Resp: 536694

Ion Ratio Lower Upper

63 100

106 31.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

250000

200000

150000

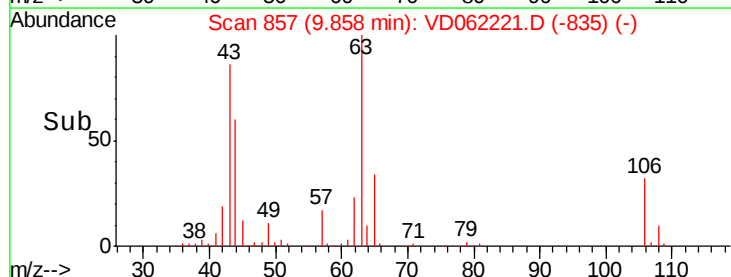
100000

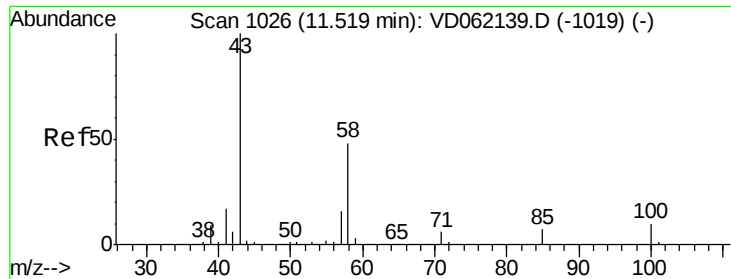
50000

0

Time-->

9.70 9.80 9.90 10.00

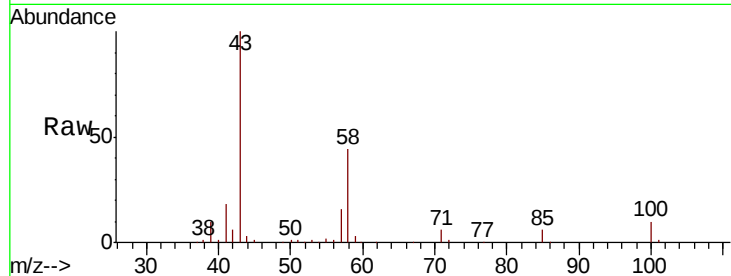




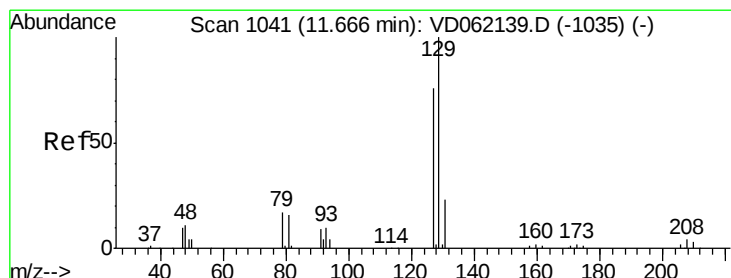
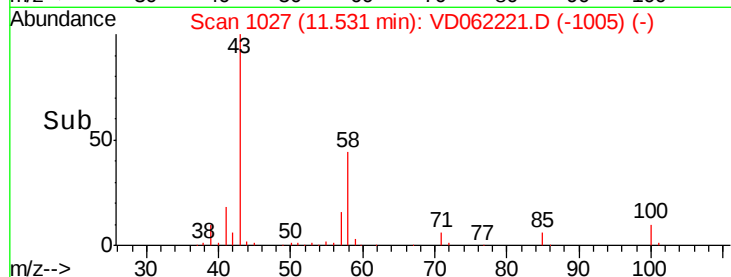
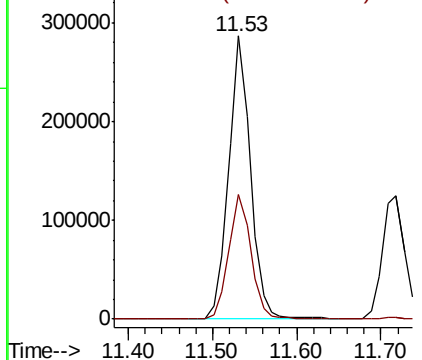
#59
2-Hexanone
Concen: 264.495 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 518163
Ion Ratio Lower Upper
43 100
58 44.1 25.4 76.4

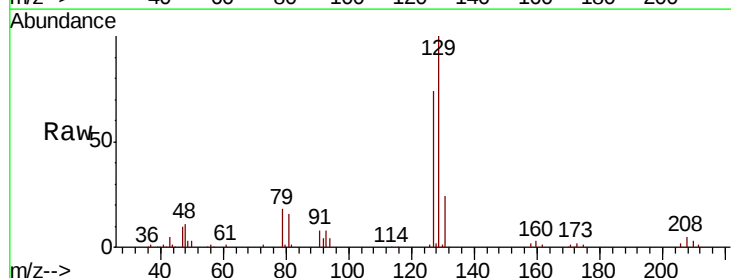


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

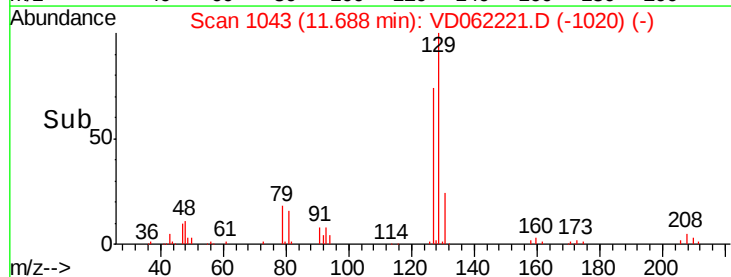
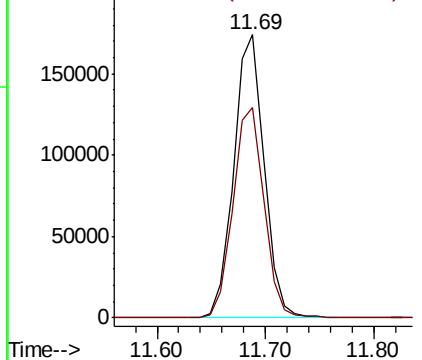


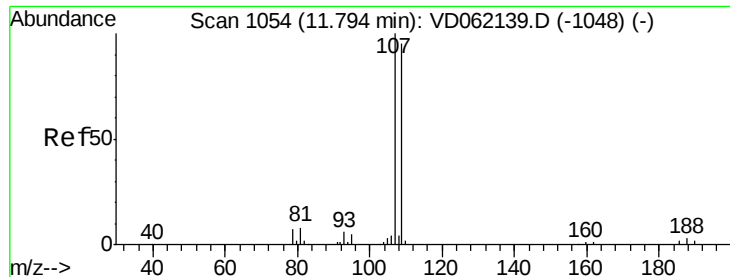
#60
Dibromochloromethane
Concen: 54.801 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion: 129 Resp: 338482
Ion Ratio Lower Upper
129 100
127 74.3 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

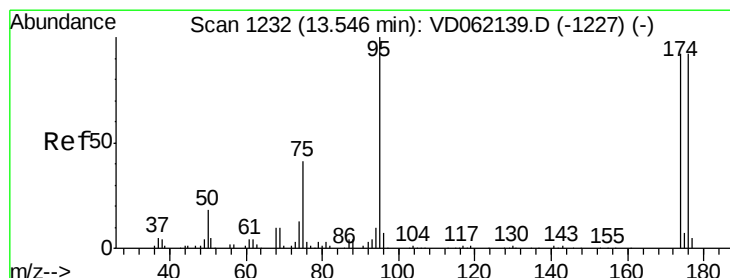
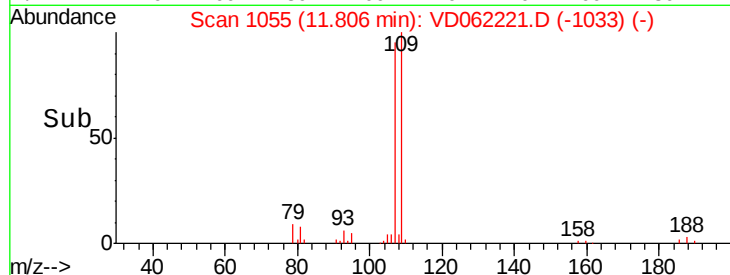
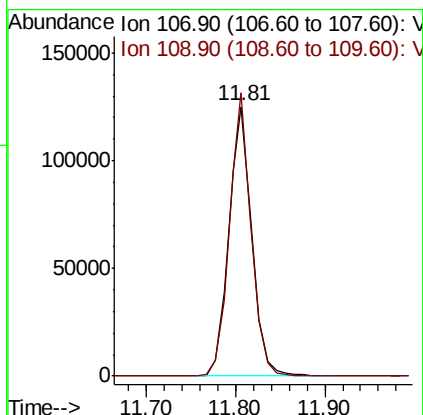
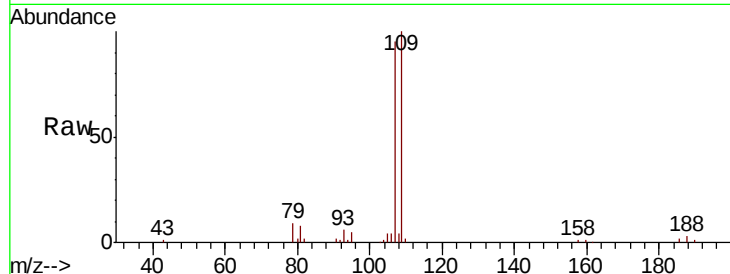




#61
 1,2-Dibromoethane
 Concen: 52.044 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

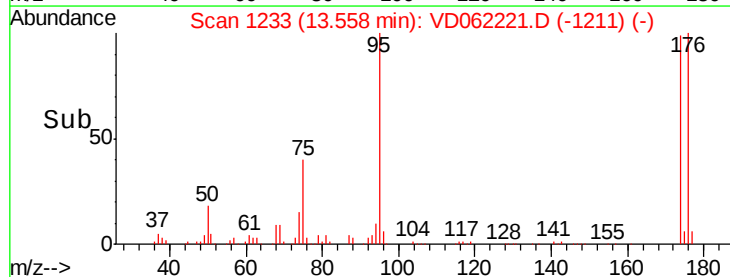
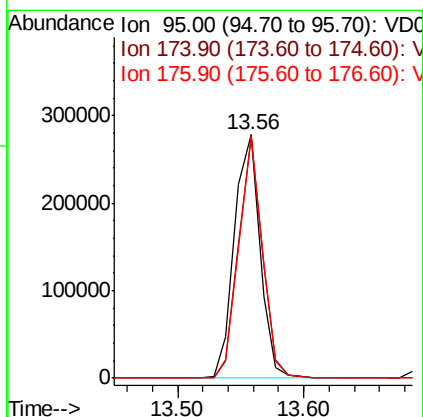
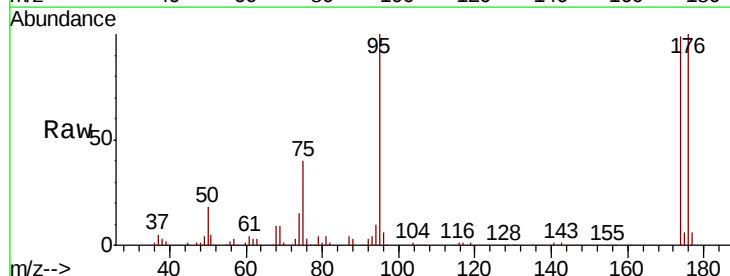
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

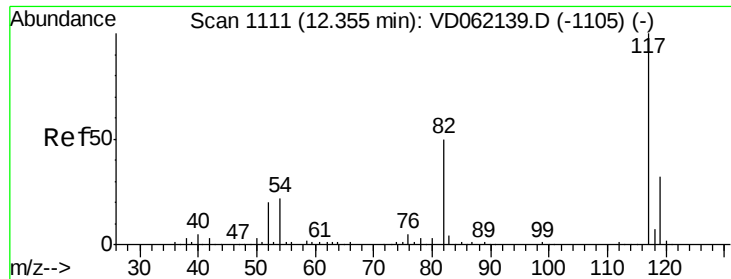
Tot Ion:107 Resp: 226137
 Ion Ratio Lower Upper
 107 100
 109 105.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 57.723 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion: 95 Resp: 388825
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 181.8
 176 99.7 0.0 174.4

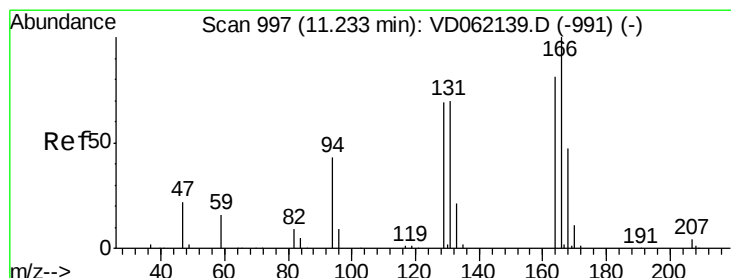
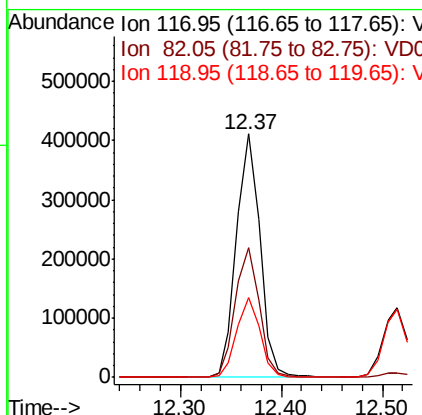
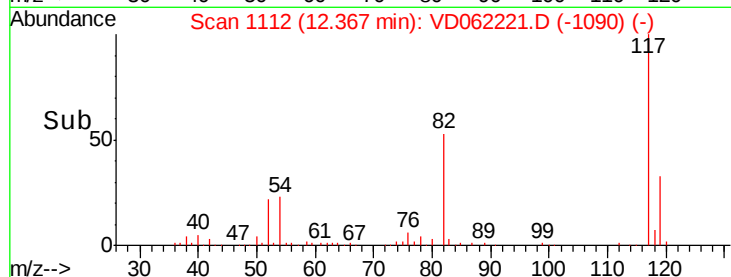
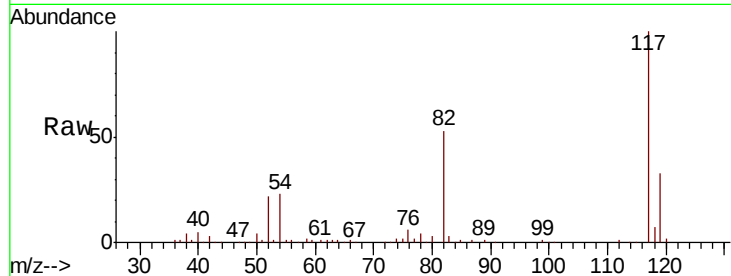




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

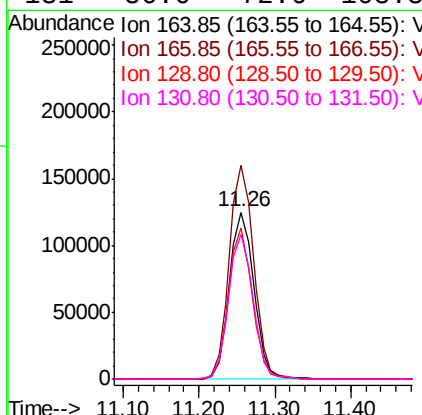
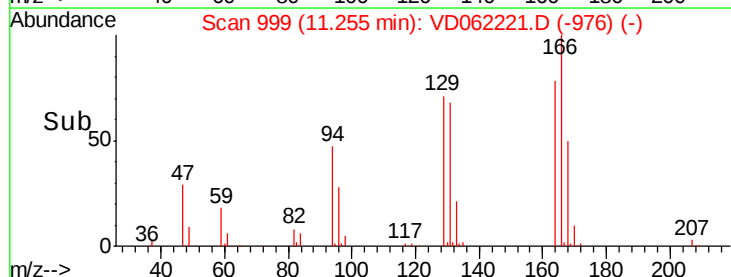
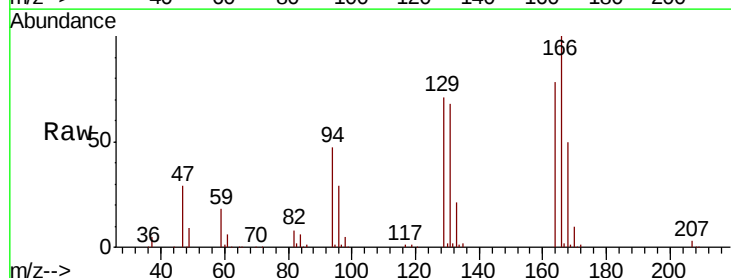
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

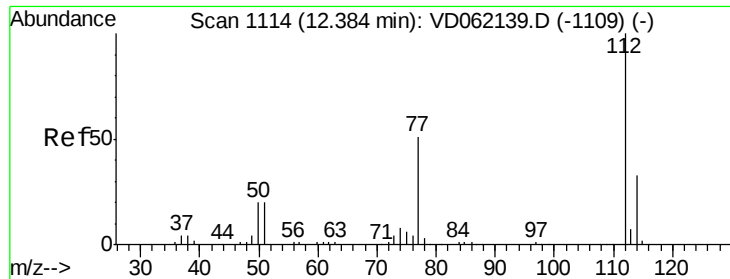
Tot Ion:117 Resp: 671670
Ion Ratio Lower Upper
117 100
82 53.4 36.2 54.2
119 33.0 26.2 39.4



#64
Tetrachloroethene
Concen: 53.164 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion:164 Resp: 279227
Ion Ratio Lower Upper
164 100
166 127.9 101.5 152.3
129 90.8 74.6 112.0
131 86.6 72.6 108.8

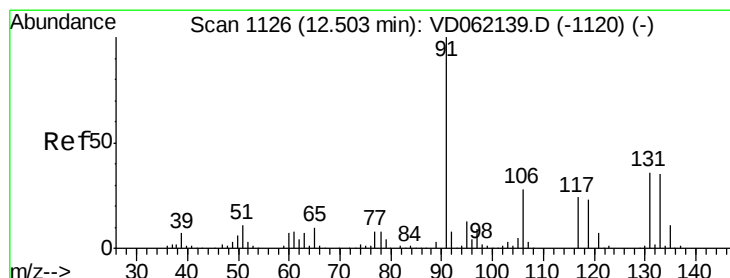
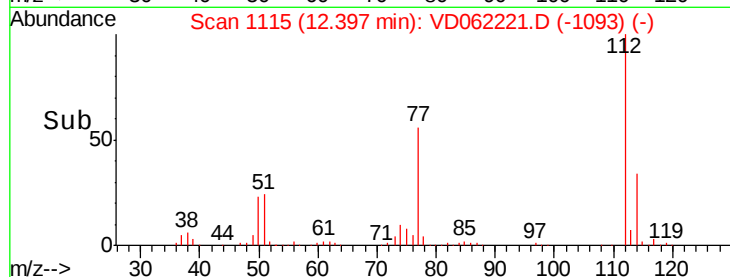
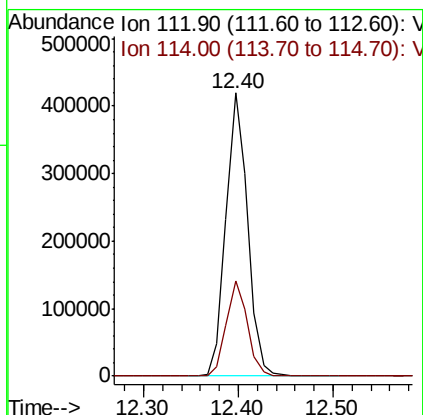
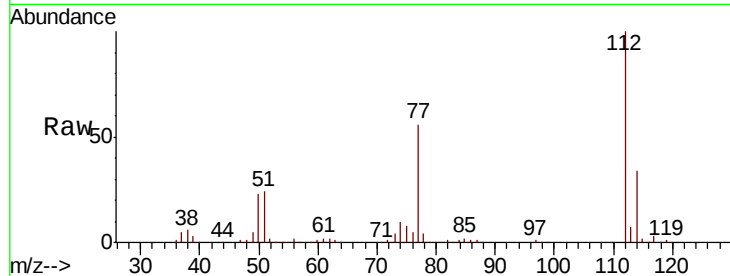




#65
Chlorobenzene
Concen: 53.149 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

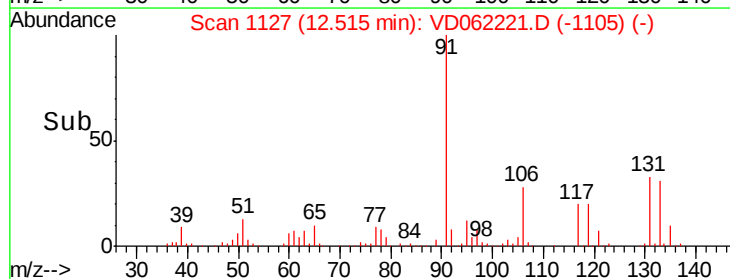
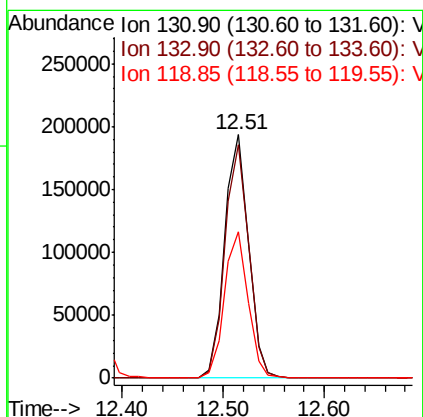
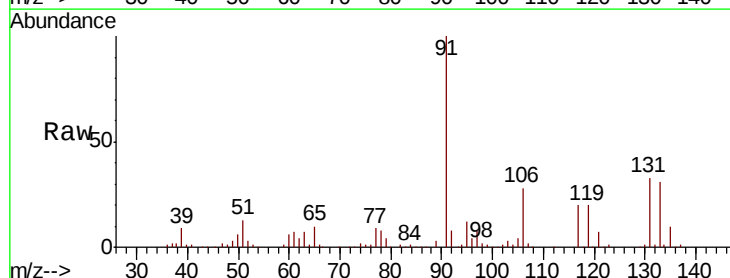
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

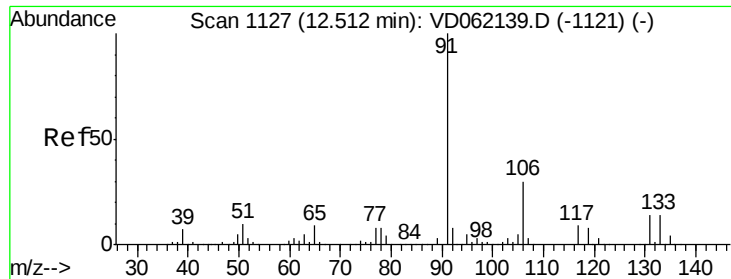
Tot Ion:112 Resp: 664903
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 58.665 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion:131 Resp: 319405
Ion Ratio Lower Upper
131 100
133 95.9 48.6 145.8
119 59.9 34.7 104.1

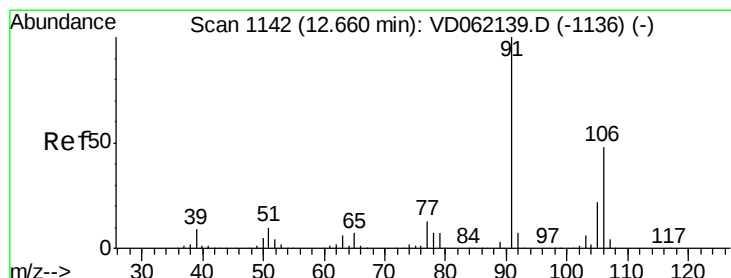
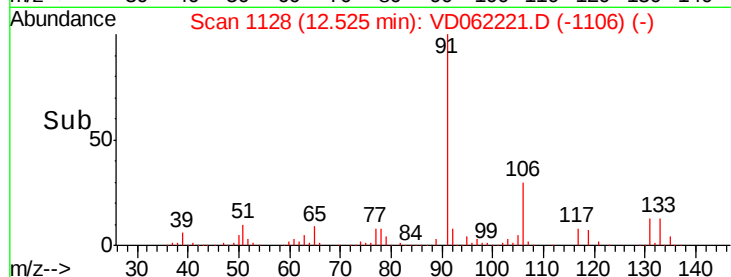
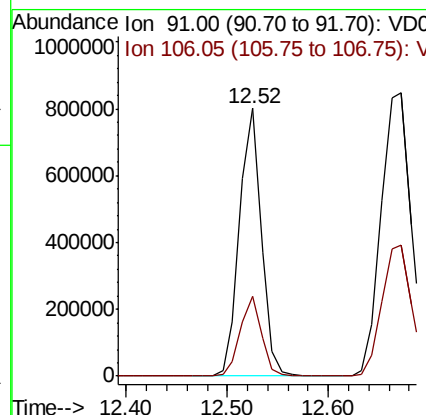
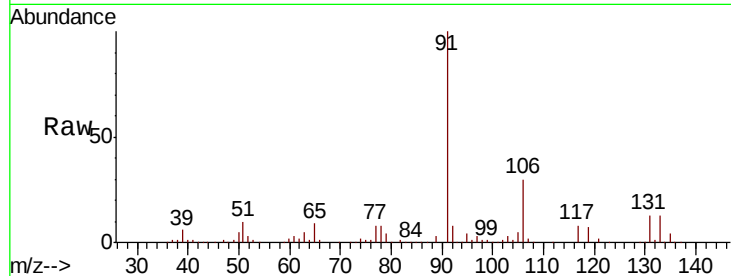




#67
Ethyl Benzene
Concen: 57.484 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

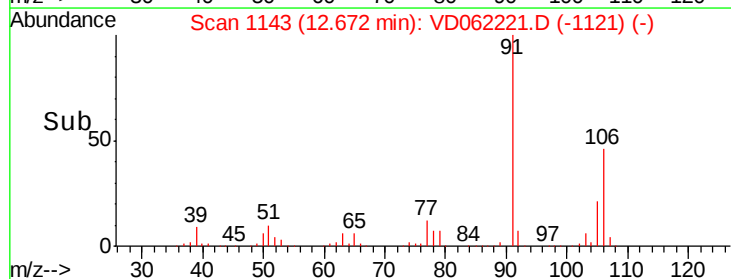
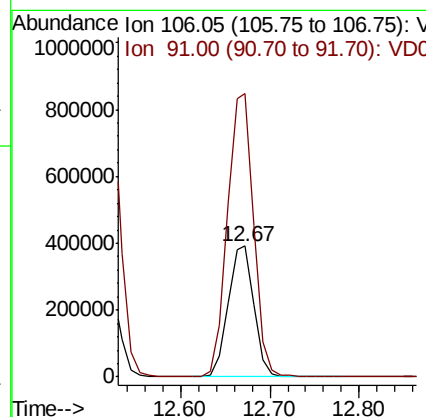
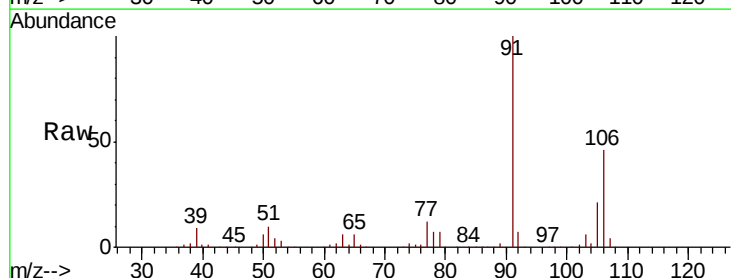
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

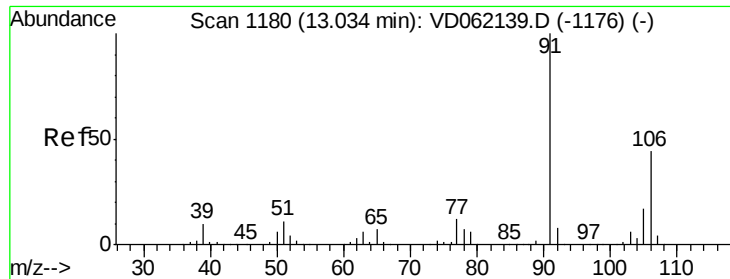
Tot Ion: 91 Resp: 1203917
Ion Ratio Lower Upper
91 100
106 29.6 24.7 37.1



#68
m/p-Xylenes
Concen: 104.425 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion:106 Resp: 795696
Ion Ratio Lower Upper
106 100
91 216.4 164.0 246.0

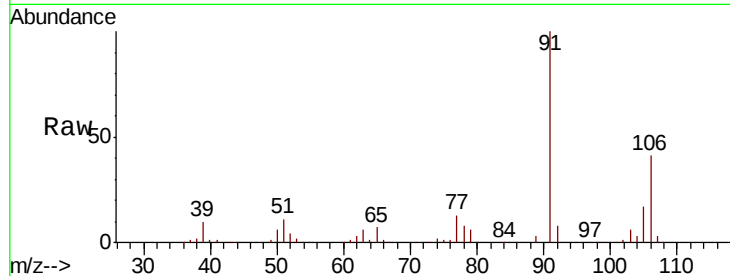




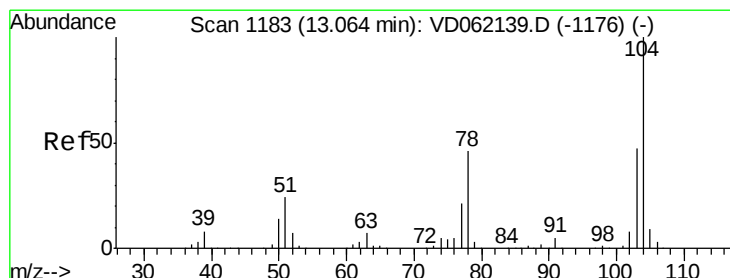
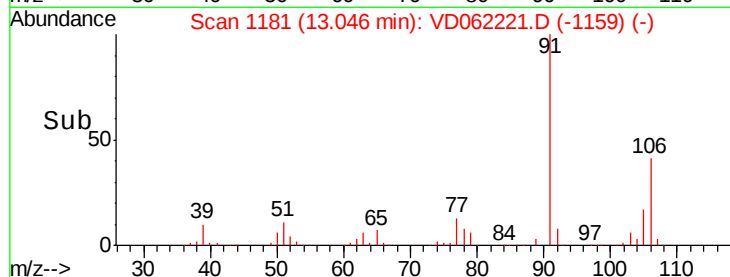
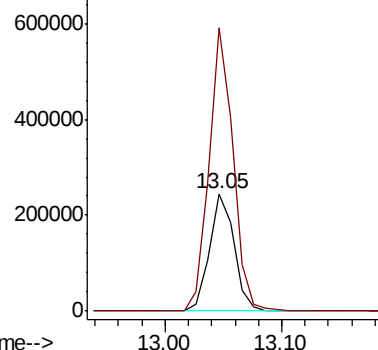
#69
o-Xylene
Concen: 50.559 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 358165
Ion Ratio Lower Upper
106 100
91 241.5 106.7 319.9

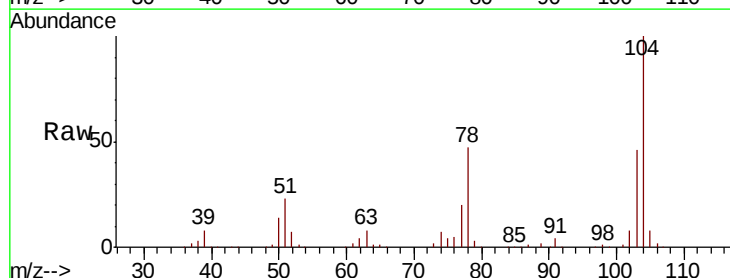


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

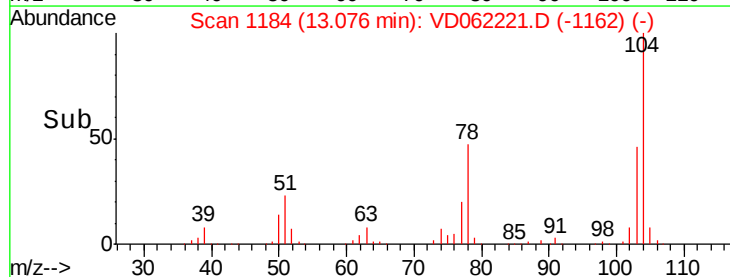
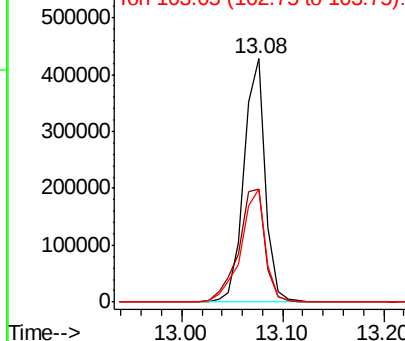


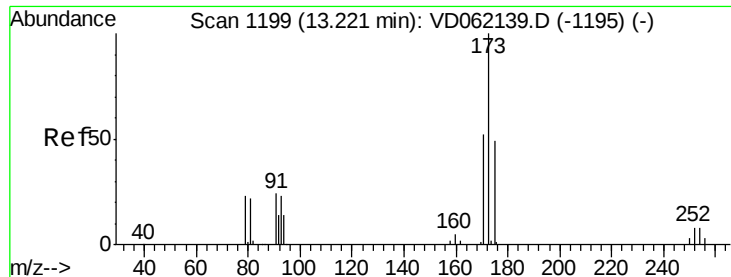
#70
Styrene
Concen: 52.605 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion:104 Resp: 631280
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 46.4 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

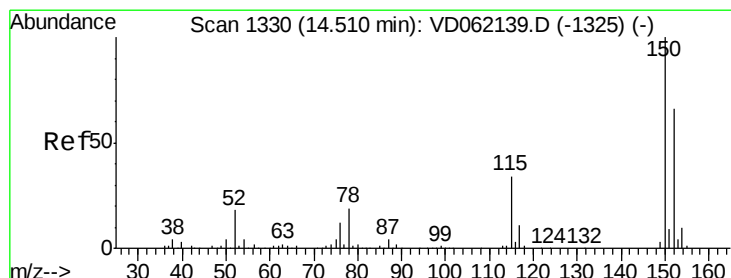
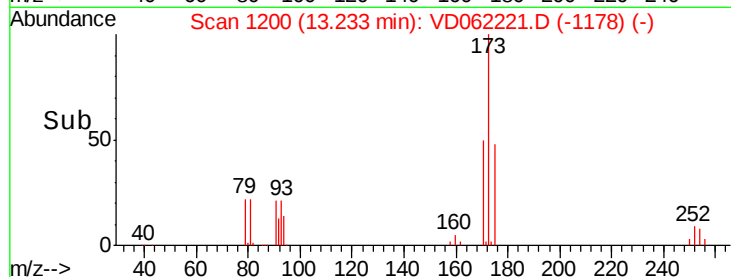
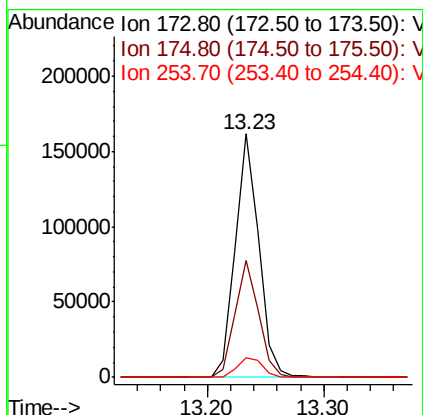
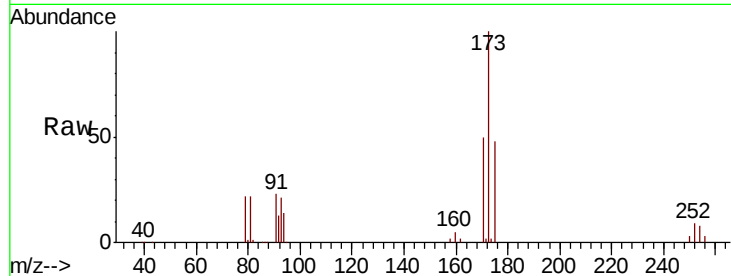




#71
Bromoform
Concen: 59.722 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

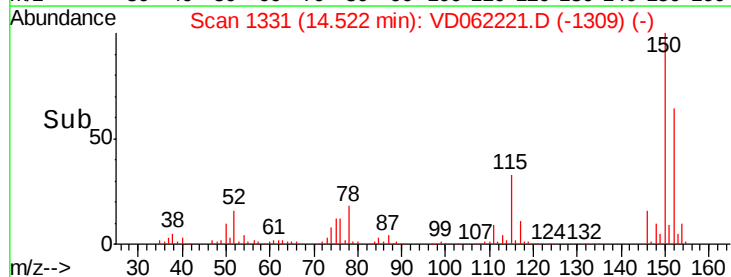
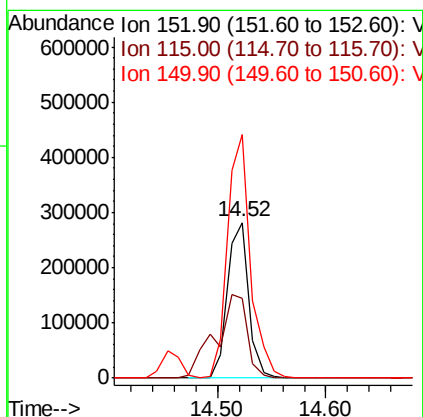
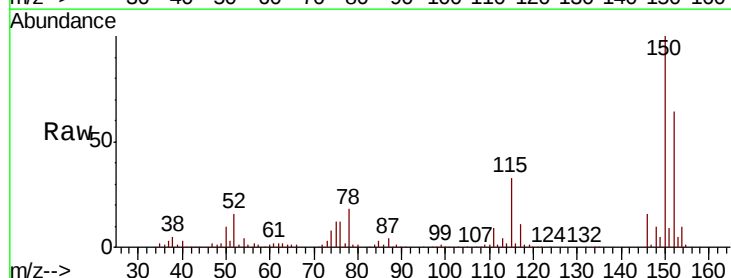
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

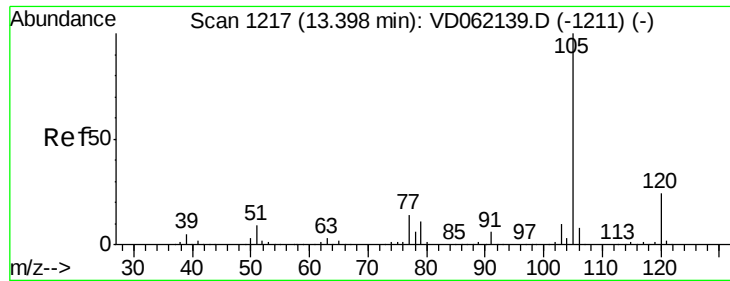
Tot Ion:173 Resp: 226226
Ion Ratio Lower Upper
173 100
175 48.0 24.4 73.4
254 8.3 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062221.D
Acq: 10 May 2019 17:54

Tgt Ion:152 Resp: 385214
Ion Ratio Lower Upper
152 100
115 51.3 30.9 92.7
150 156.3 0.0 314.8





#73

Isopropylbenzene

Concen: 47.356 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

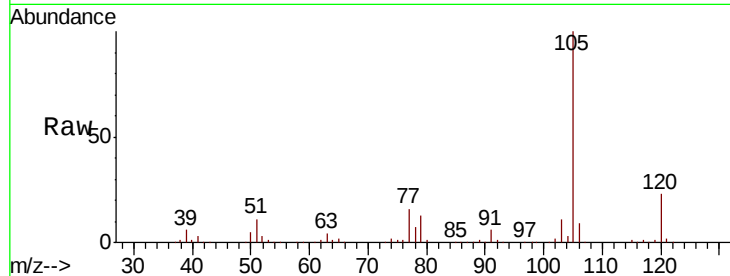
VSTDCCC050

Tot Ion:105 Resp: 1093499

Ion Ratio Lower Upper

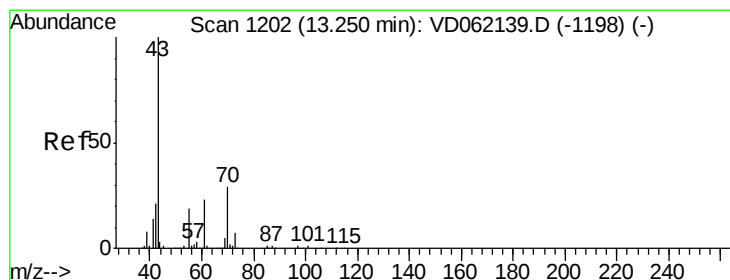
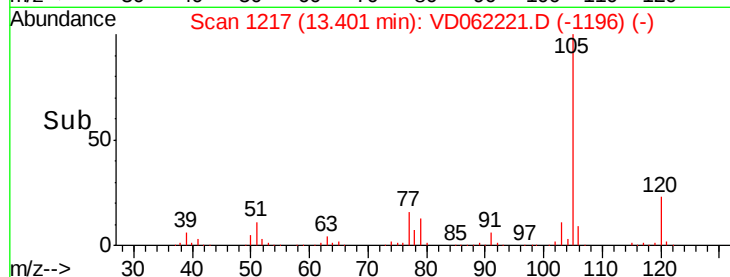
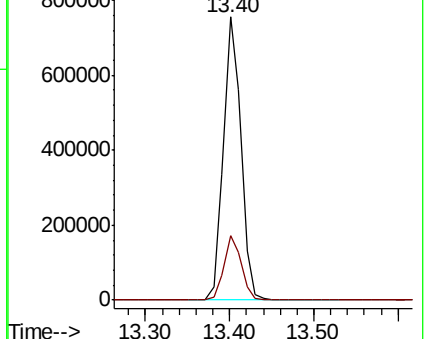
105 100

120 22.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.615 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Tgt Ion: 43 Resp: 294312

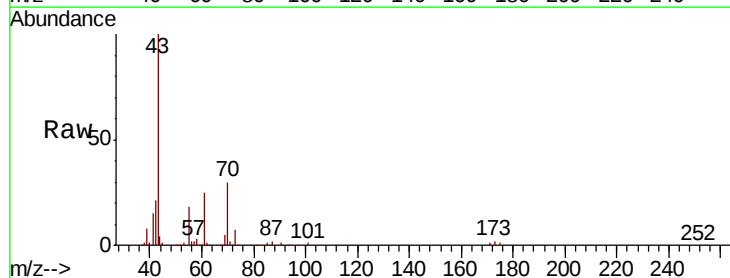
Ion Ratio Lower Upper

43 100

70 29.8 24.2 36.4

55 18.3 16.0 24.0

61 24.6 21.6 32.4

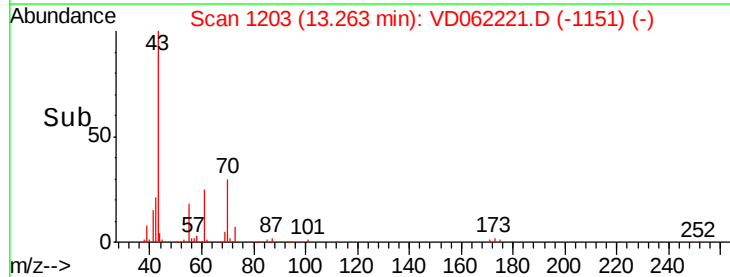
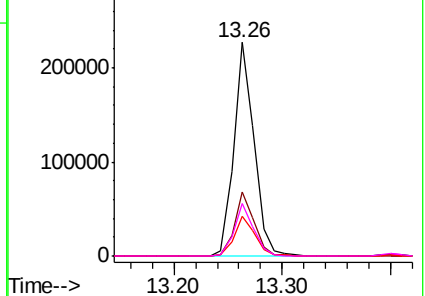


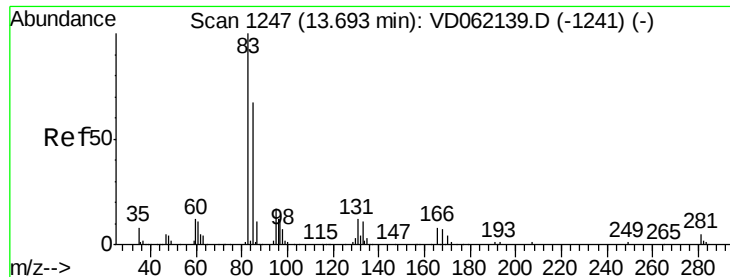
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.237 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

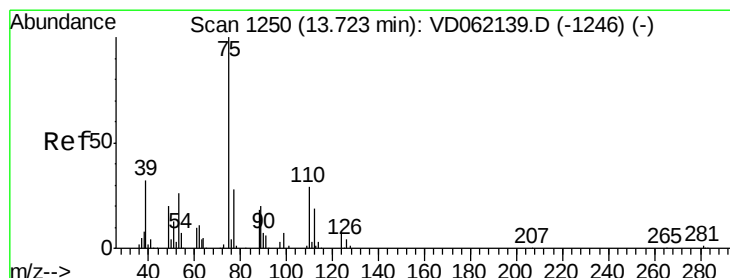
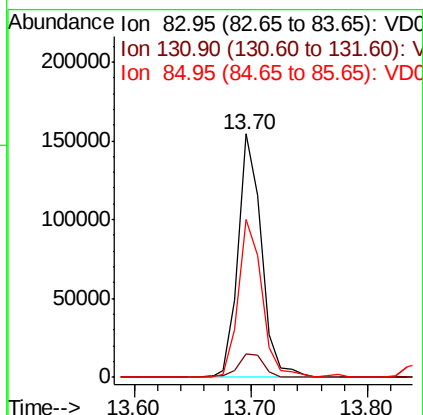
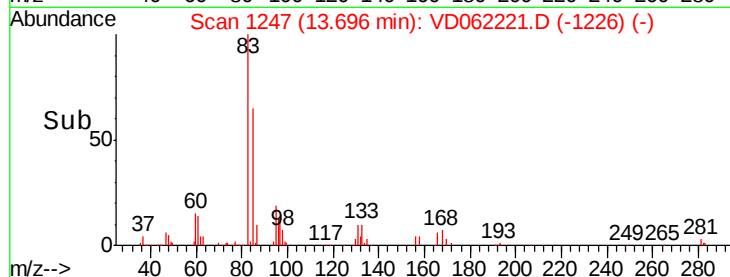
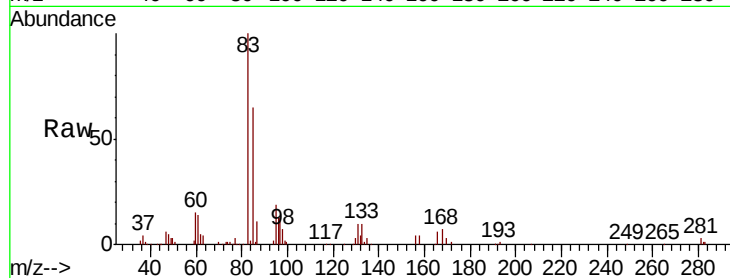
Tot Ion: 83 Resp: 215236

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.7 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 50.285 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062221.D

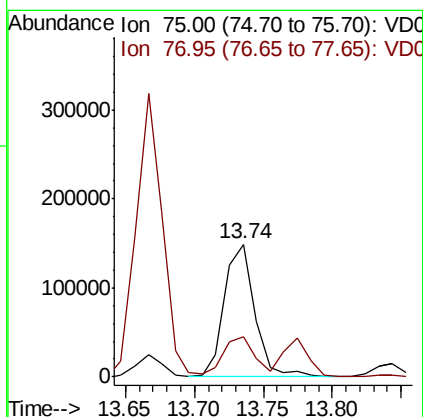
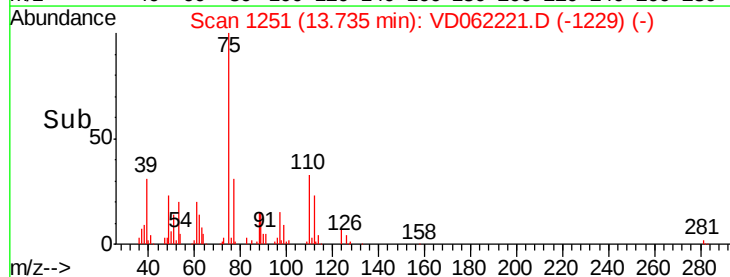
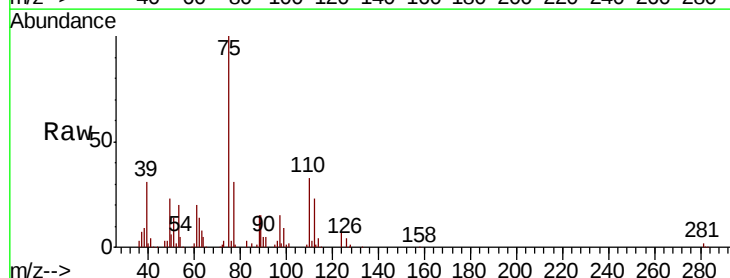
Acq: 10 May 2019 17:54

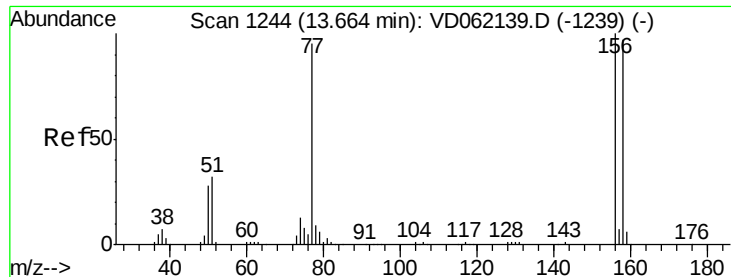
Tgt Ion: 75 Resp: 230203

Ion Ratio Lower Upper

75 100

77 30.8 16.4 49.4





#77

Bromobenzene

Concen: 53.733 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

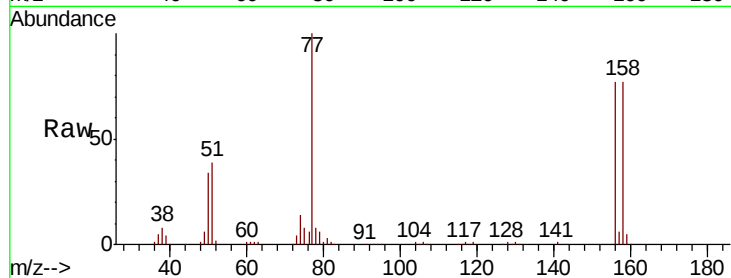
Tot Ion:156 Resp: 347331

Ion Ratio Lower Upper

156 100

77 130.3 53.1 159.4

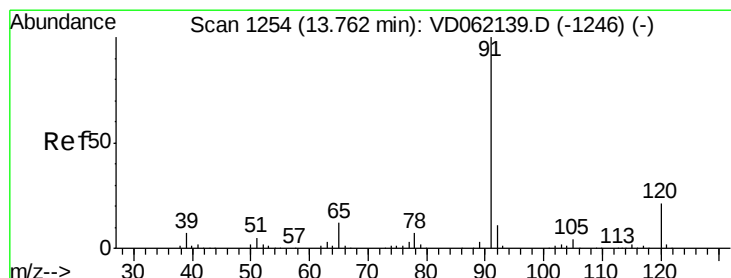
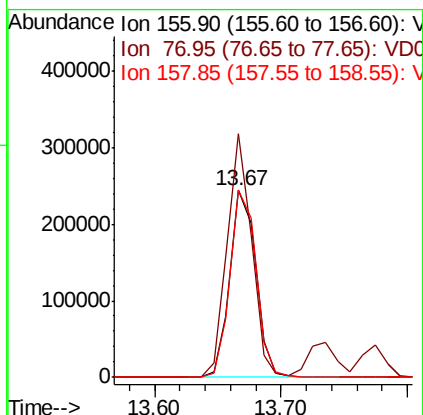
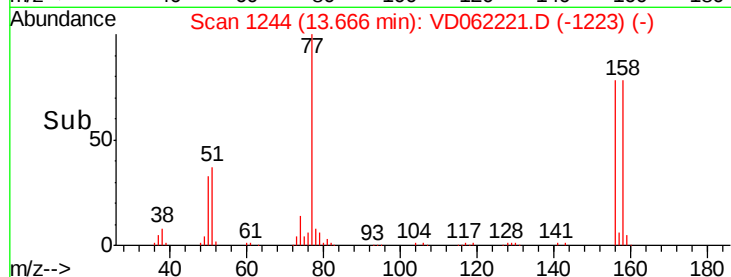
158 100.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.116 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062221.D

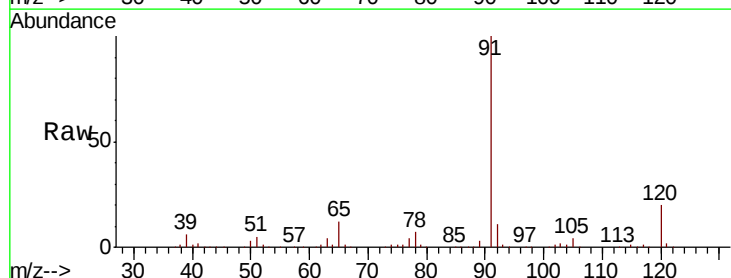
Acq: 10 May 2019 17:54

Tgt Ion: 91 Resp: 1352883

Ion Ratio Lower Upper

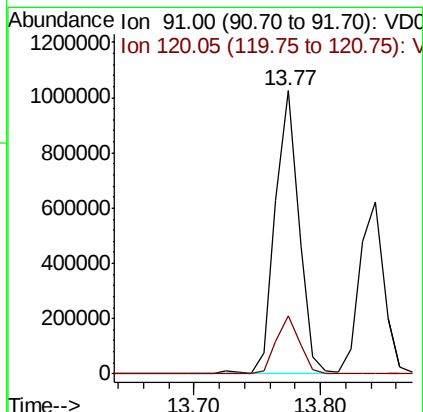
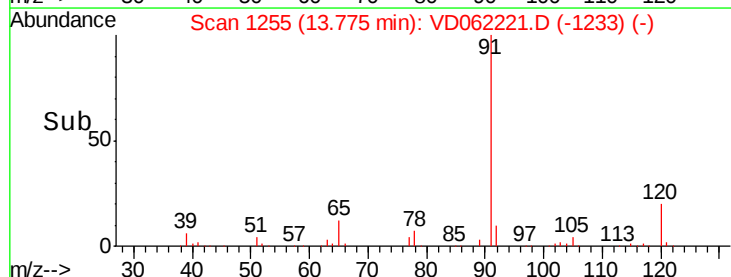
91 100

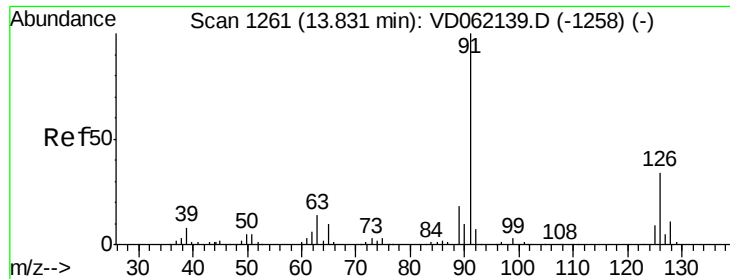
120 20.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

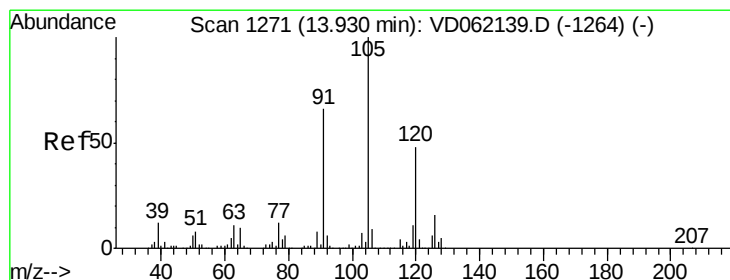
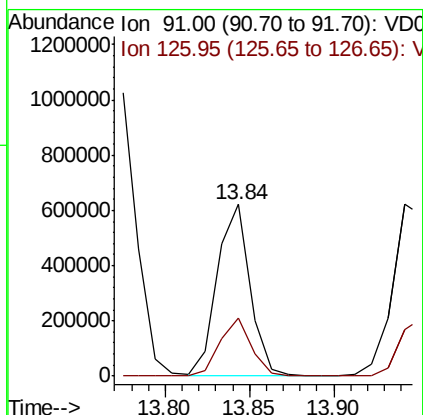
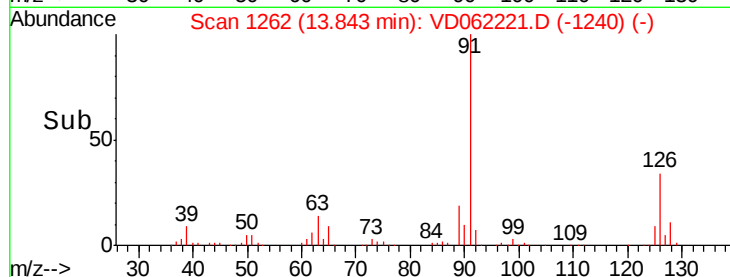
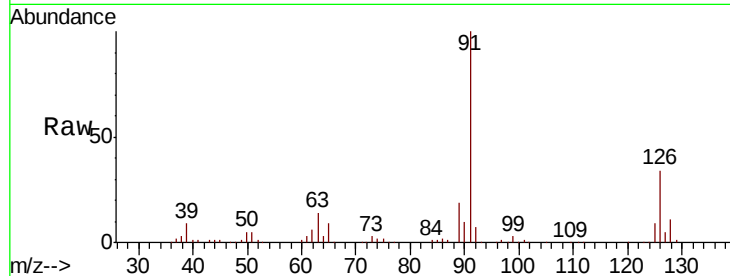




#79
 2-Chlorotoluene
 Concen: 53.136 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

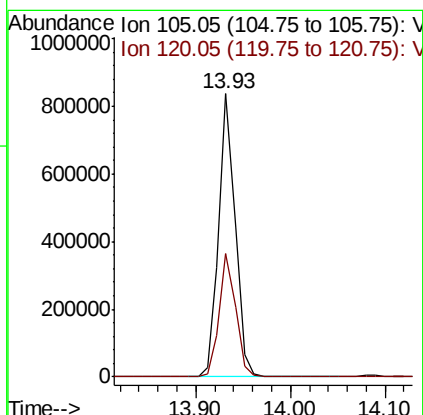
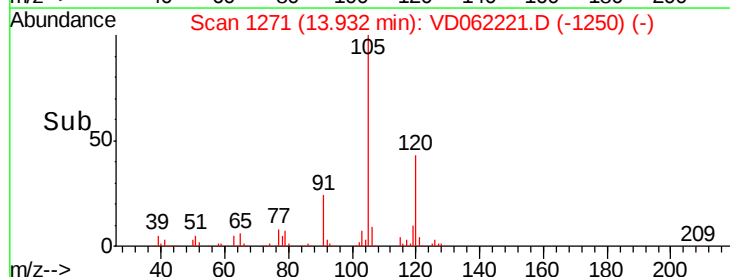
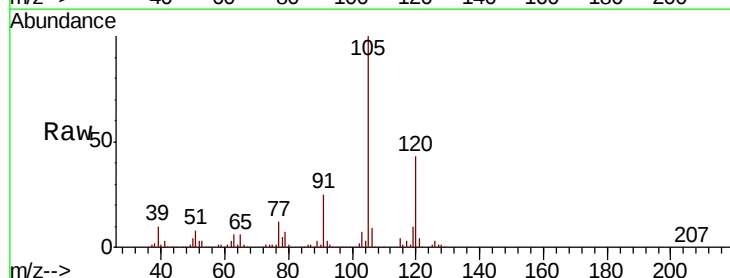
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

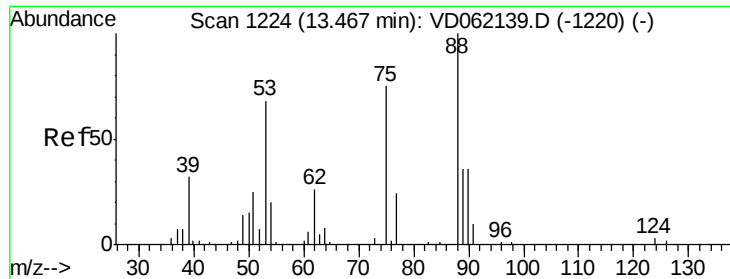
Tot Ion: 91 Resp: 838242
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.923 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion:105 Resp: 1009618
 Ion Ratio Lower Upper
 105 100
 120 43.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.841 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

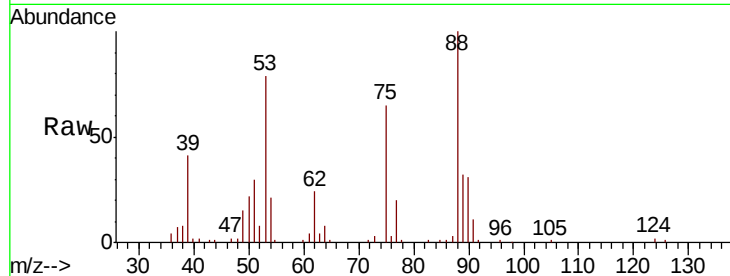
Tot Ion: 75 Resp: 59244

Ion Ratio Lower Upper

75 100

53 121.4 65.8 98.8#

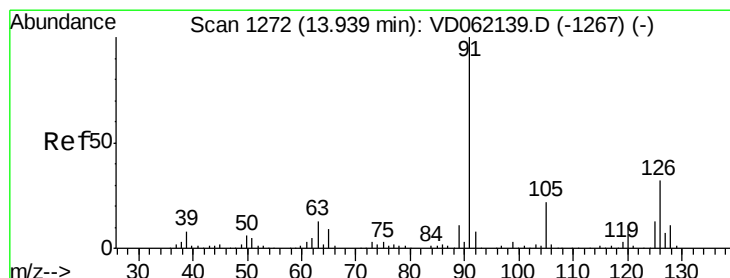
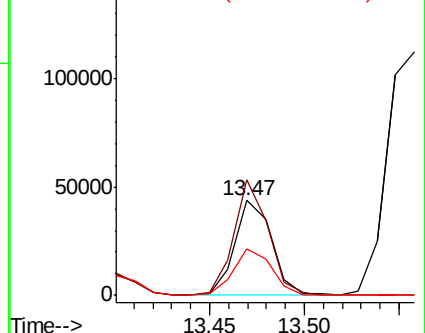
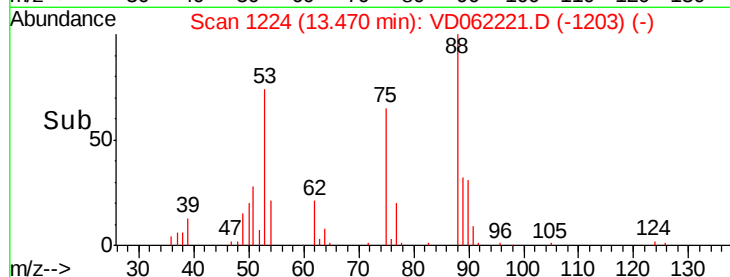
89 49.1 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.793 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062221.D

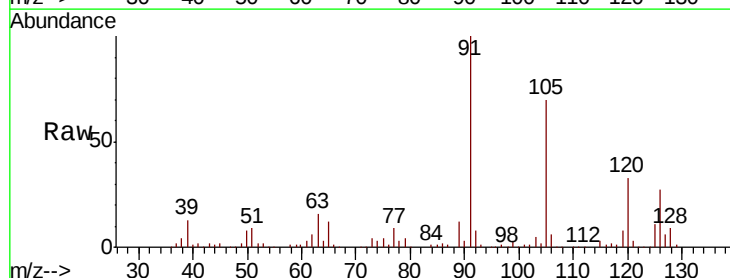
Acq: 10 May 2019 17:54

Tgt Ion: 91 Resp: 961479

Ion Ratio Lower Upper

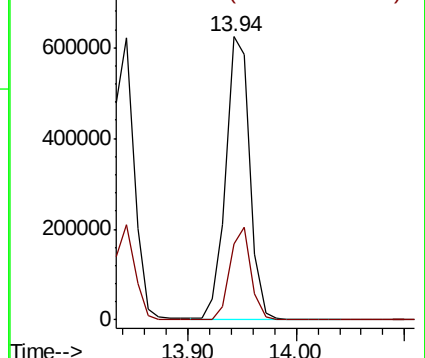
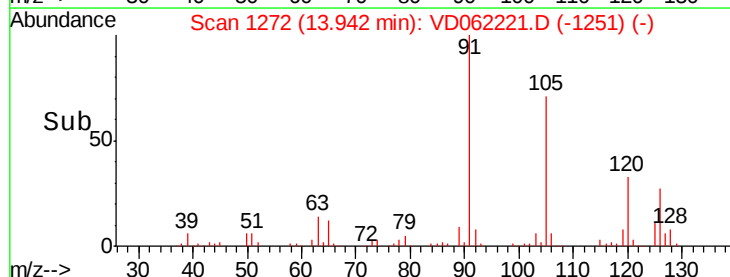
91 100

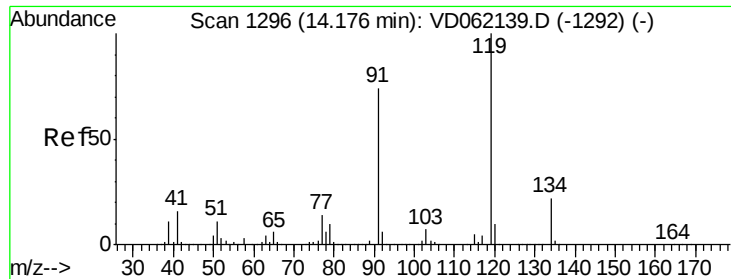
126 27.1 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 53.437 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

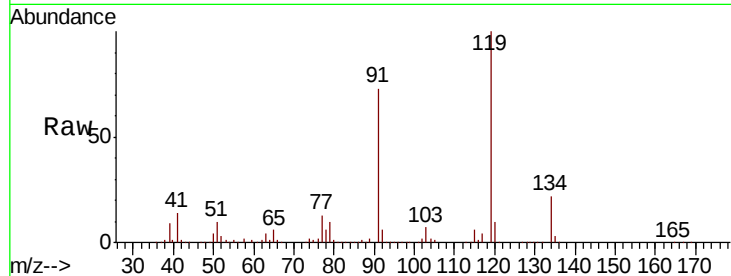
Tot Ion:119 Resp: 1167885

Ion Ratio Lower Upper

119 100

91 73.1 34.2 102.6

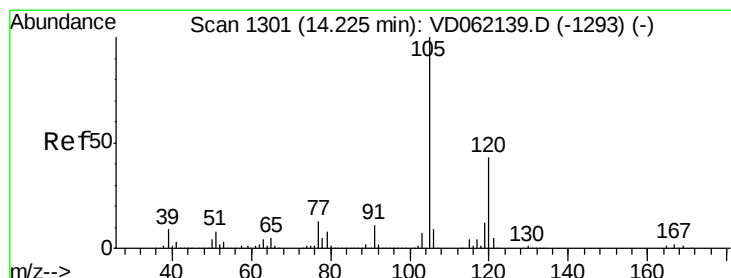
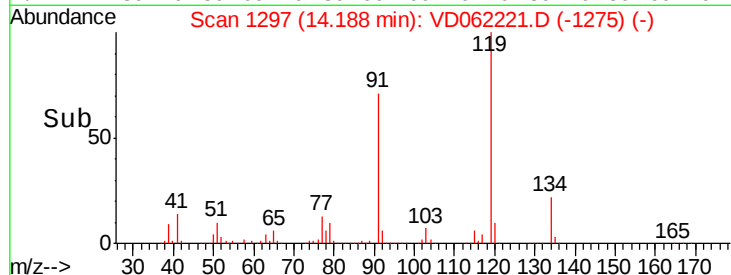
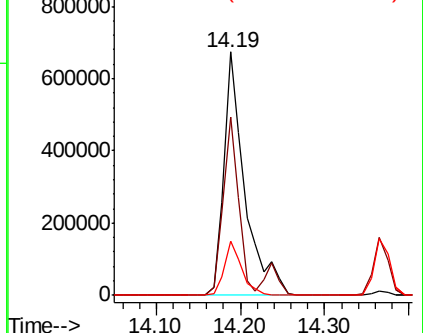
134 22.1 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.681 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062221.D

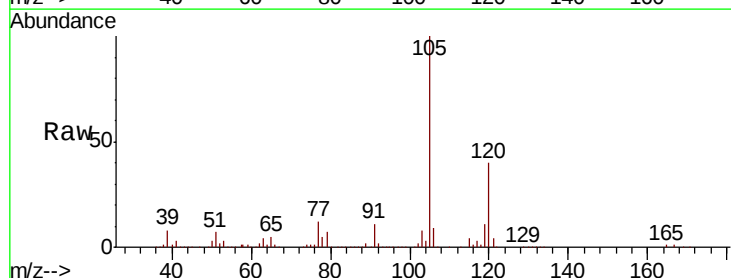
Acq: 10 May 2019 17:54

Tgt Ion:105 Resp: 1008417

Ion Ratio Lower Upper

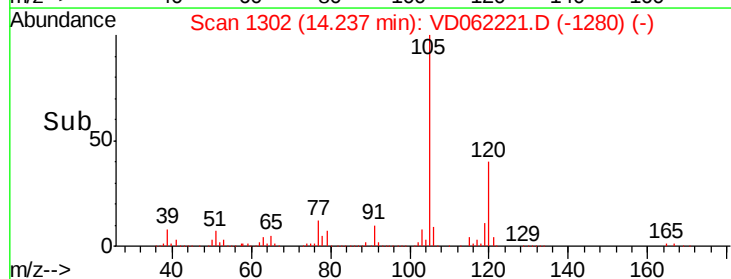
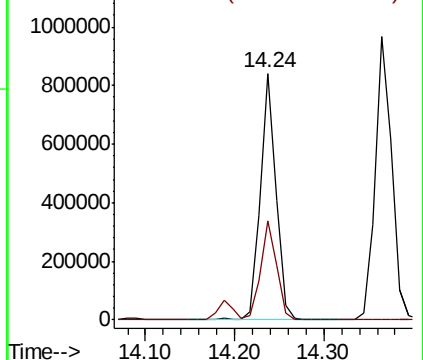
105 100

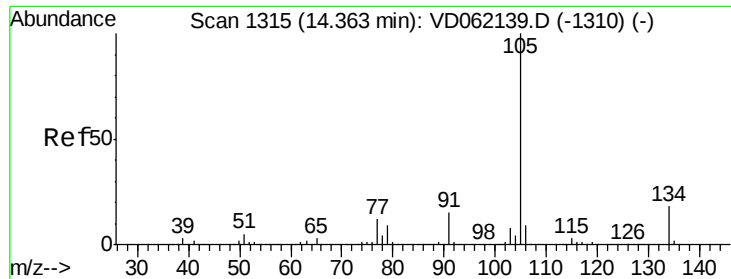
120 40.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.648 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

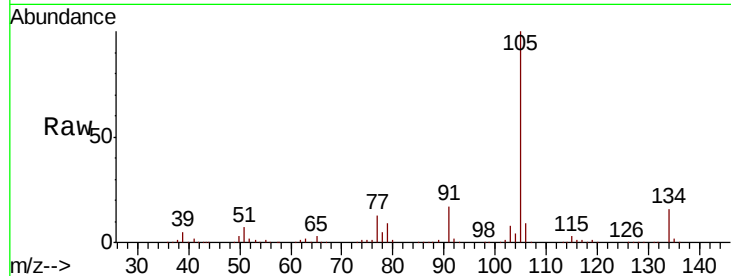
VSTDCCC050

Tot Ion:105 Resp: 1213661

Ion Ratio Lower Upper

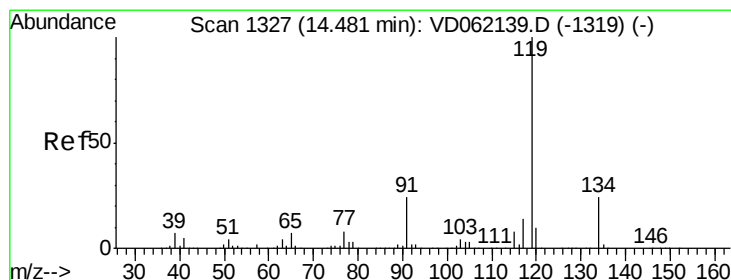
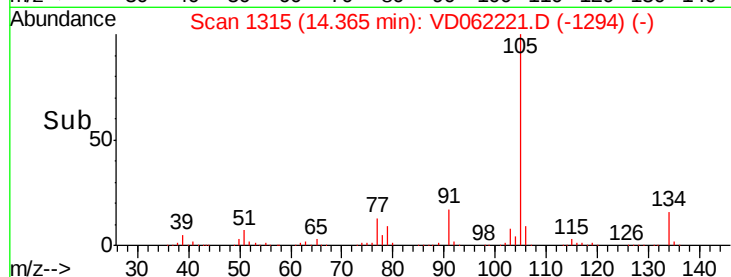
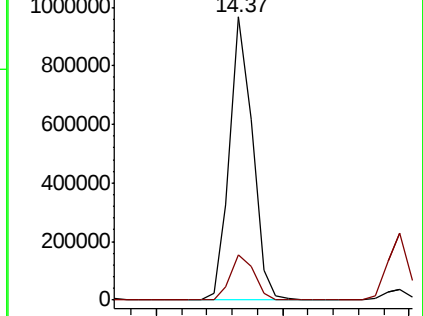
105 100

134 16.2 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.902 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

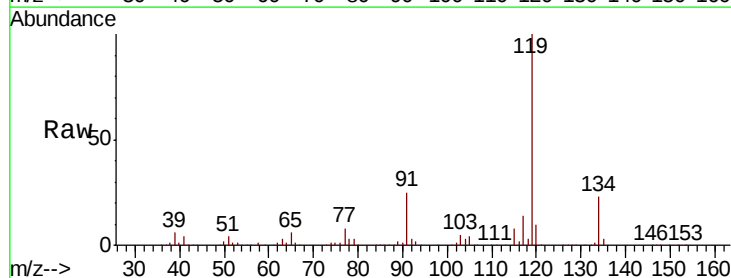
Tgt Ion:119 Resp: 1175400

Ion Ratio Lower Upper

119 100

134 23.2 12.8 38.3

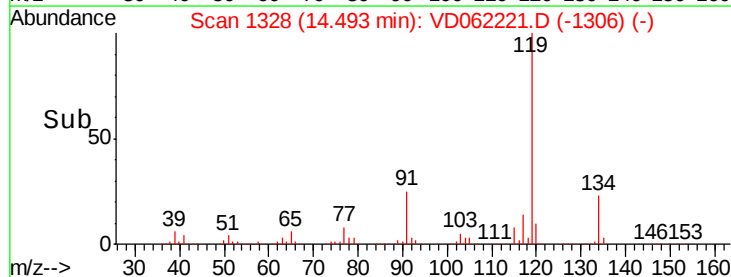
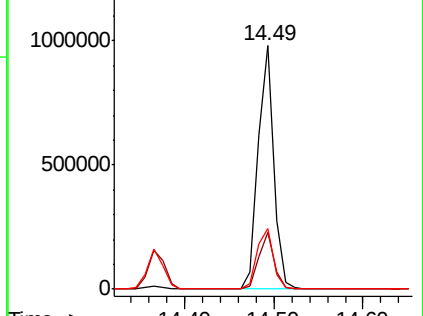
91 24.9 10.7 32.1

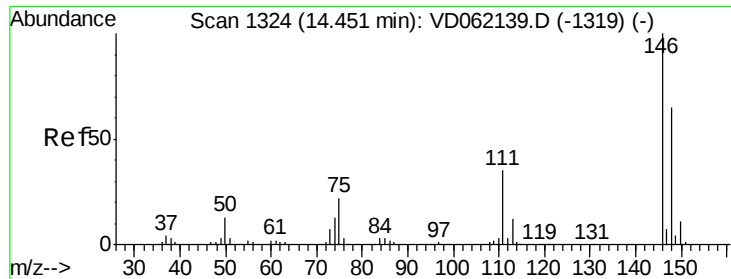


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

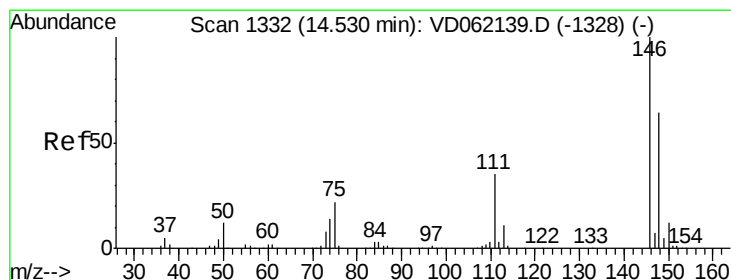
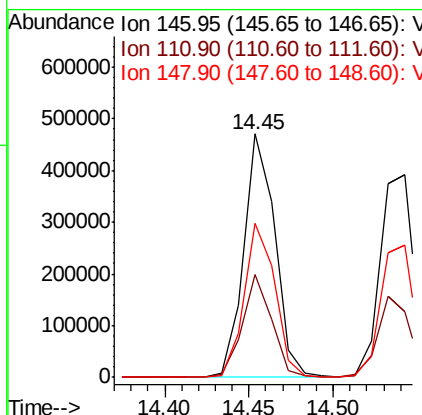
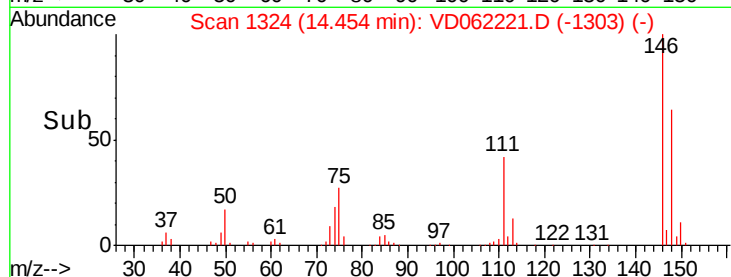
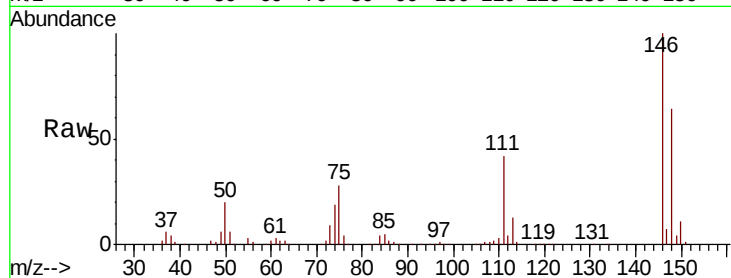




#87
 1,3-Dichlorobenzene
 Concen: 51.126 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

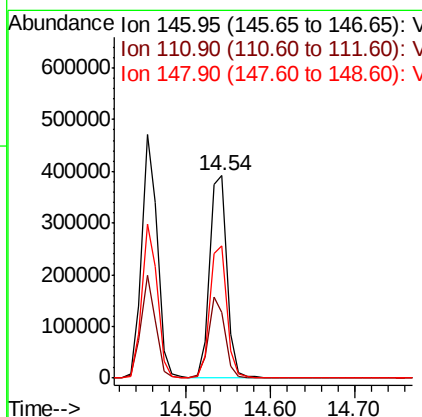
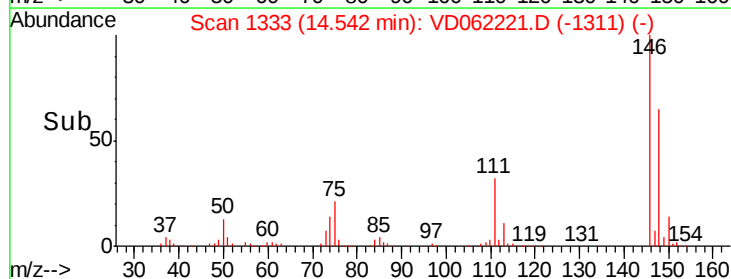
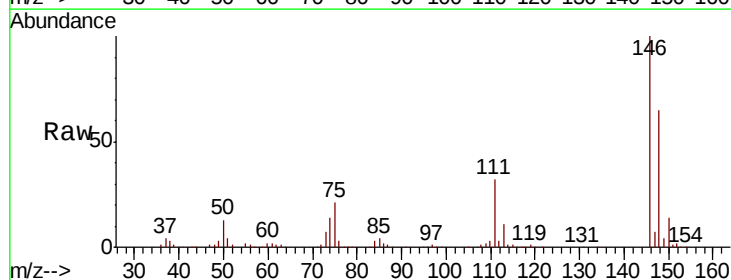
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

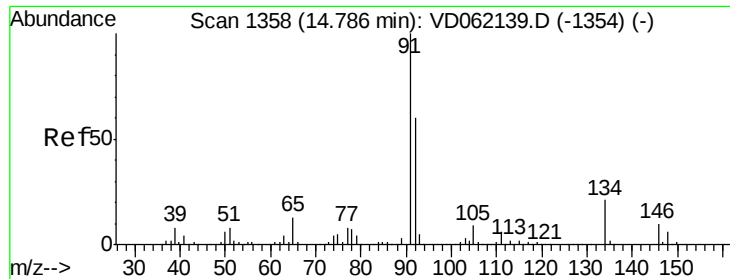
Tot Ion:146 Resp: 603701
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.0 60.0
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.280 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion:146 Resp: 560159
 Ion Ratio Lower Upper
 146 100
 111 32.4 20.2 60.5
 148 65.4 32.0 96.2





#89

n-Butylbenzene

Concen: 52.365 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

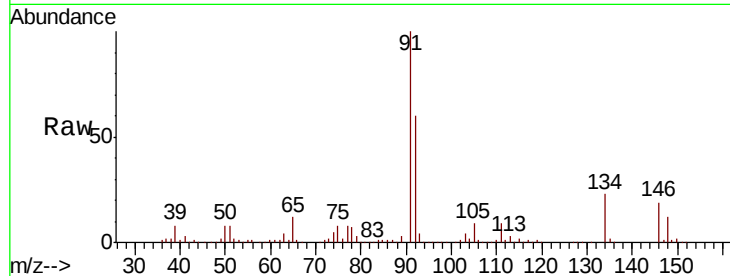
Tot Ion: 91 Resp: 1006251

Ion Ratio Lower Upper

91 100

92 59.5 30.3 91.0

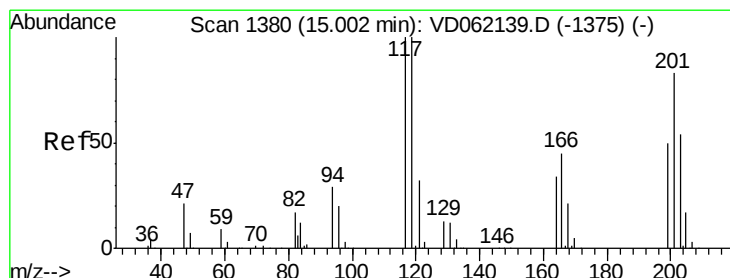
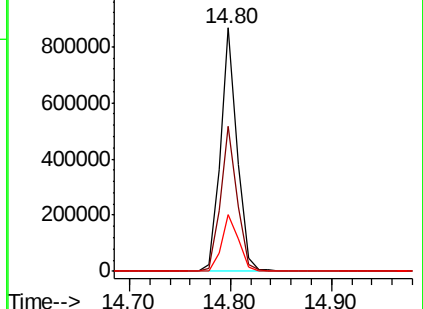
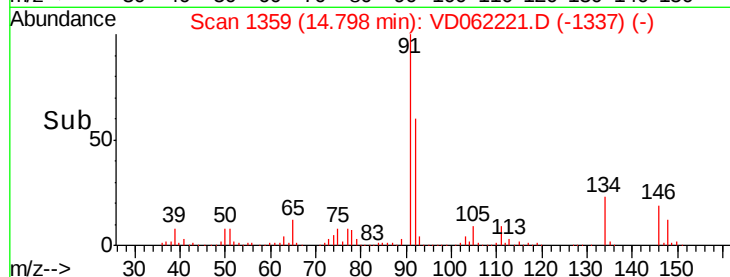
134 23.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.870 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062221.D

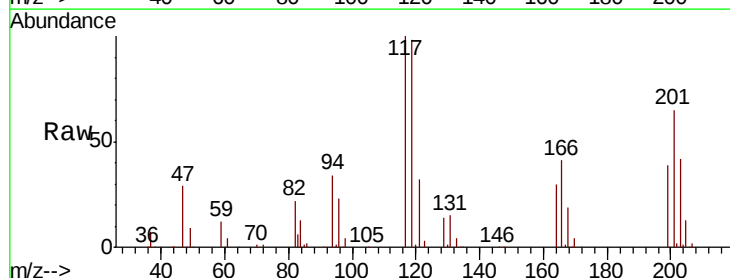
Acq: 10 May 2019 17:54

Tgt Ion: 117 Resp: 301996

Ion Ratio Lower Upper

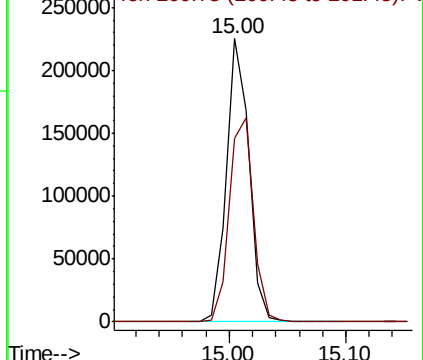
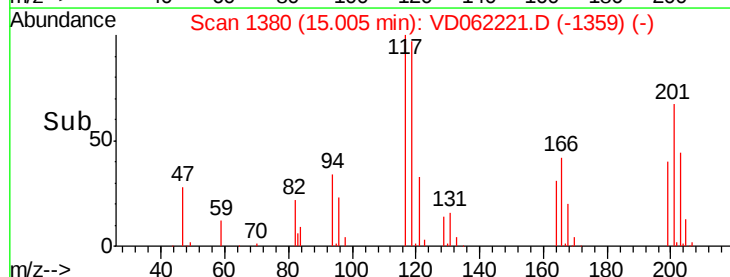
117 100

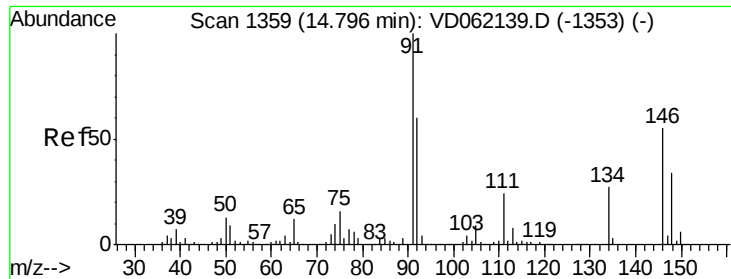
201 64.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

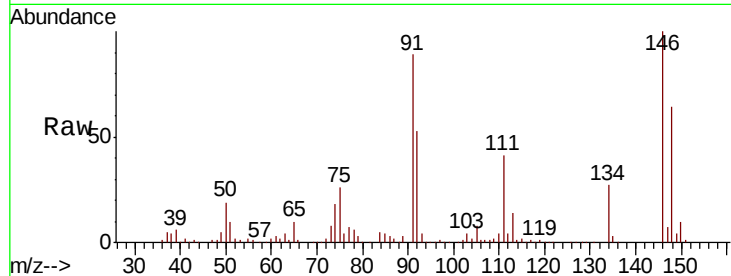




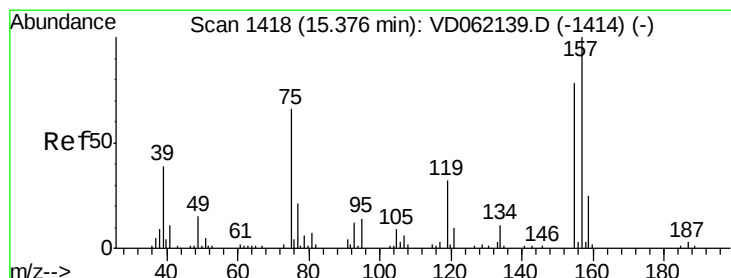
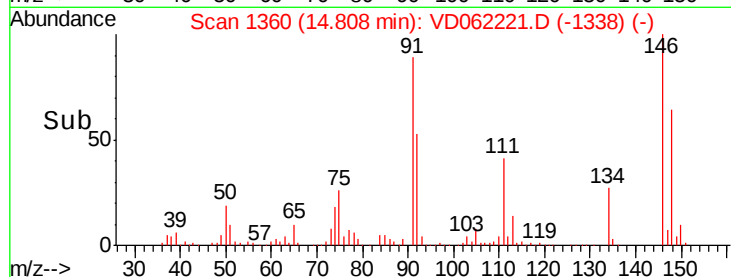
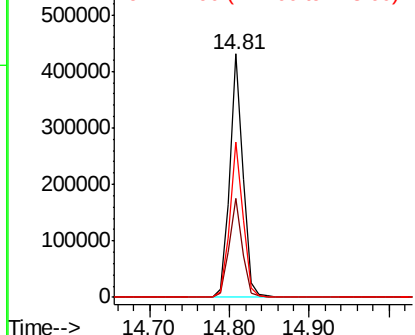
#91
 1,2-Dichlorobenzene
 Concen: 52.192 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 507552
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 63.7 32.3 96.8

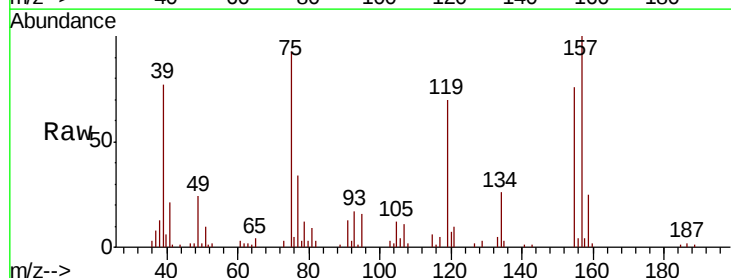


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

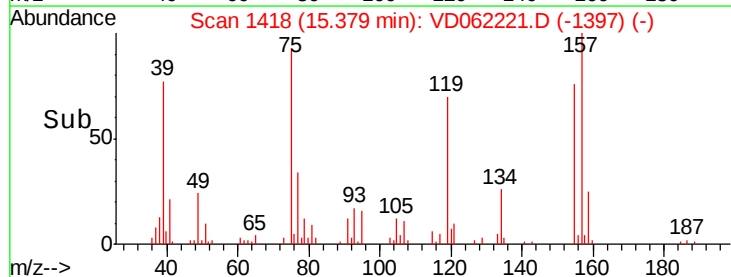
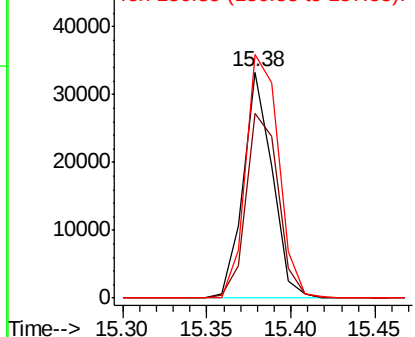


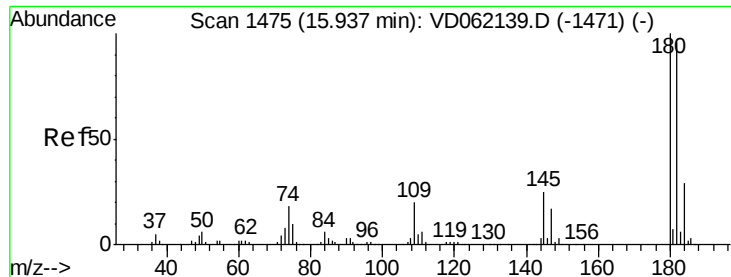
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.183 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion: 75 Resp: 39598
 Ion Ratio Lower Upper
 75 100
 155 81.8 55.3 165.8
 157 107.7 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

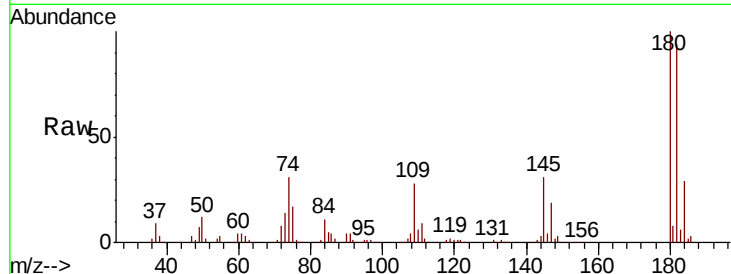




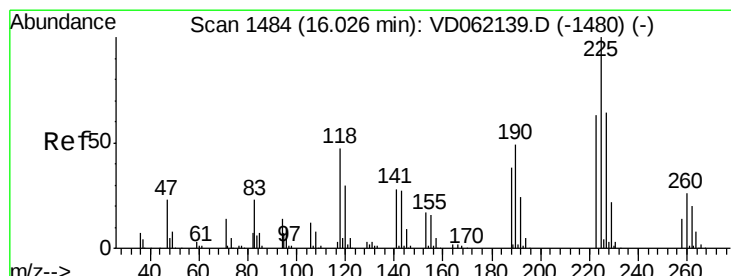
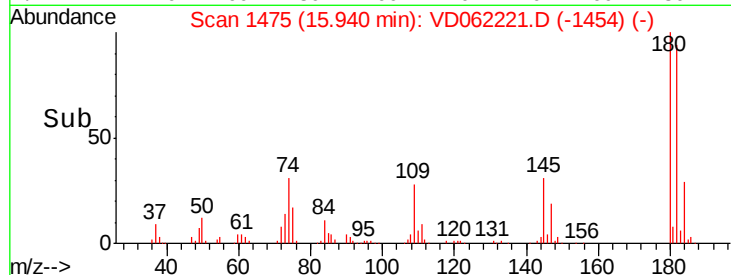
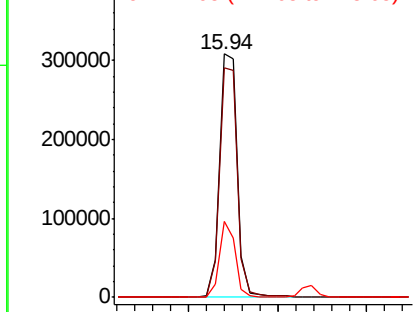
#93
 1,2,4-Trichlorobenzene
 Concen: 61.138 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 432751
 Ion Ratio Lower Upper
 180 100
 182 94.3 49.3 147.8
 145 31.1 16.2 48.6

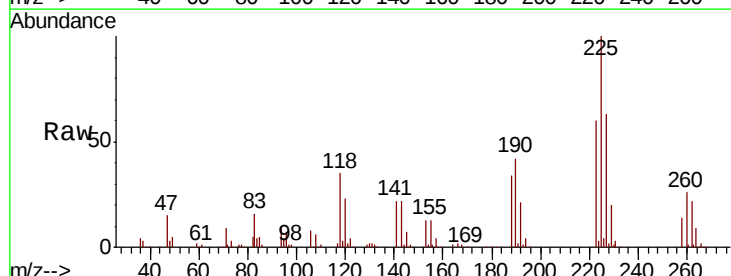


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

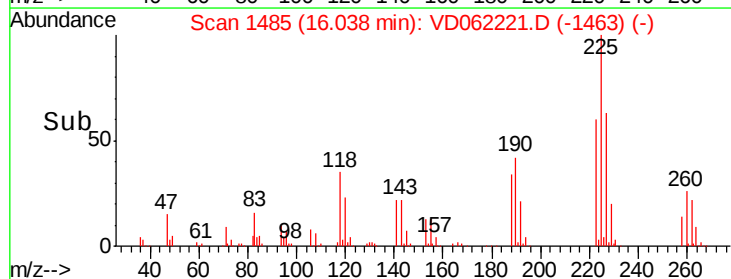
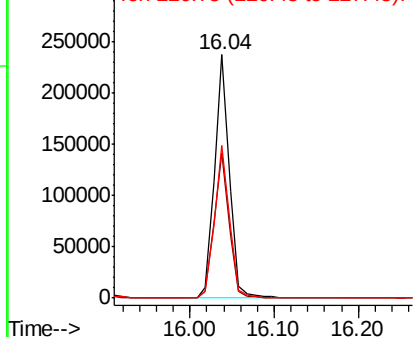


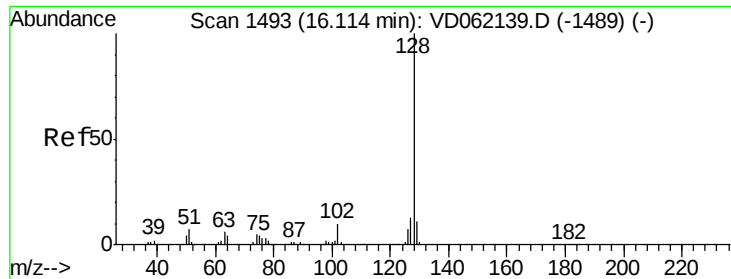
#94
 Hexachlorobutadiene
 Concen: 54.959 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062221.D
 Acq: 10 May 2019 17:54

Tgt Ion:225 Resp: 289338
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.6 92.0
 227 62.6 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 57.909 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Instrument :

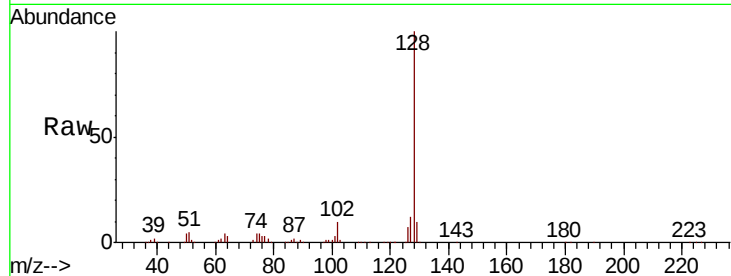
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 572260

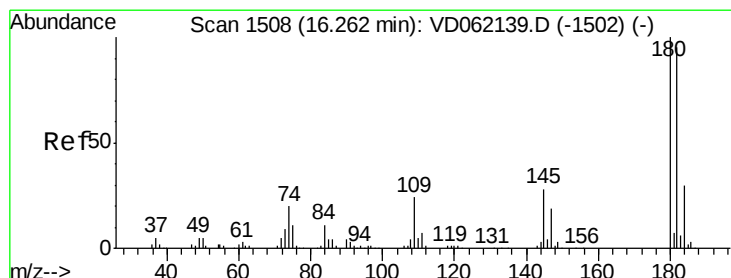
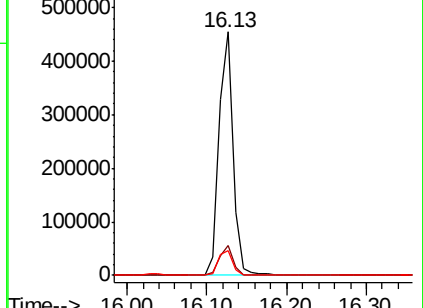
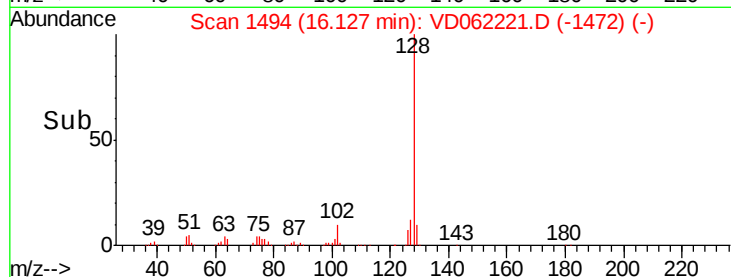
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	10.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 78.418 ug/l

RT: 16.27 min Scan# 1509

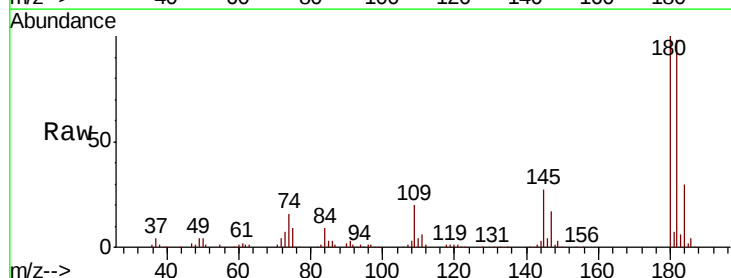
Delta R.T. 0.01 min

Lab File: VD062221.D

Acq: 10 May 2019 17:54

Tgt Ion:180 Resp: 348994

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.0	141.0
145	27.5	17.0	51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

