

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062164.D
 Acq On : 8 May 2019 10:18
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 09 01:22:00 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	7.02	168	873554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1213542	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1042884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	541961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	470450	57.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.90%	
35) Dibromofluoromethane	6.90	113	555393	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
50) Toluene-d8	10.39	98	1289111	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	13.54	95	546381	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	430608	51.540	ug/l	100
3) Chloromethane	1.74	50	281608	46.647	ug/l	94
4) Vinyl Chloride	1.84	62	286036	48.211	ug/l	99
5) Bromomethane	2.14	94	82128	59.076	ug/l	99
6) Chloroethane	2.25	64	134432	53.998	ug/l	98
7) Trichlorofluoromethane	2.52	101	607377	52.657	ug/l	99
8) Diethyl Ether	2.85	74	99765	44.847	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.13	101	416171	47.696	ug/l	94
10) Methyl Iodide	3.29	142	512549	38.866	ug/l #	88
11) Tert butyl alcohol	4.03	59	94048	226.960	ug/l	95
12) 1,1-Dichloroethene	3.11	96	325281	48.836	ug/l	89
13) Acrolein	3.01	56	83852	195.643	ug/l	97
14) Allyl chloride	3.60	41	476976	49.251	ug/l	87
15) Acrylonitrile	4.17	53	243966	223.990	ug/l #	87
16) Acetone	3.20	43	494321	290.360	ug/l #	88
17) Carbon Disulfide	3.36	76	942835	49.207	ug/l	99
18) Methyl Acetate	3.62	43	140118	45.995	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	696578	48.791	ug/l	97
20) Methylene Chloride	3.79	84	339839	47.809	ug/l	93
21) trans-1,2-Dichloroethene	4.19	96	369743	49.885	ug/l	94
22) Diisopropyl ether	5.09	45	1103342	53.537	ug/l	97
23) Vinyl Acetate	5.03	43	3073452	282.659	ug/l	98
24) 1,1-Dichloroethane	4.95	63	611209	49.162	ug/l	97
25) 2-Butanone	6.04	43	560585	301.884	ug/l	95
26) 2,2-Dichloropropane	5.99	77	683020	55.153	ug/l	93
27) cis-1,2-Dichloroethene	6.01	96	441913	53.266	ug/l	99
28) Bromochloromethane	6.41	49	270703	55.343	ug/l	81
29) Tetrahydrofuran	6.43	42	224176	262.008	ug/l	94
30) Chloroform	6.64	83	825569	55.099	ug/l	97
31) Cyclohexane	6.93	56	490784	57.620	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	789629	55.757	ug/l	99
36) 1,1-Dichloropropene	7.12	75	575184	57.808	ug/l	97
37) Ethyl Acetate	6.15	43	221506	52.494	ug/l #	90
38) Carbon Tetrachloride	7.09	117	882547	64.085	ug/l	97

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 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)
39) Methylcyclohexane	8.85	83	565581	59.327	ug/l	96
40) Benzene	7.43	78	1300128	57.866	ug/l	100
41) Methacrylonitrile	6.41	41	281743	54.638	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	546261	57.384	ug/l	95
43) Isopropyl Acetate	9.22	43	322016	53.810	ug/l #	96
44) Trichloroethene	8.51	130	469470	54.835	ug/l	82
45) 1,2-Dichloropropane	8.92	63	329441	59.279	ug/l	99
46) Dibromomethane	9.04	93	251488	55.648	ug/l #	88
47) Bromodichloromethane	9.36	83	602935	54.543	ug/l	98
48) Methyl methacrylate	9.09	41	198506	53.852	ug/l	94
49) 1,4-Dioxane	9.06	88	42847	1077.331	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	1052155	273.515	ug/l	97
52) Toluene	10.49	92	779343	53.312	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	569020	59.558	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	583475	55.981	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	267950	51.804	ug/l	95
56) Ethyl methacrylate	11.02	69	306356	56.998	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	413529	52.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	834527	284.244	ug/l	98
59) 2-Hexanone	11.51	43	846916	298.711	ug/l	94
60) Dibromochloromethane	11.67	129	490724	54.897	ug/l	99
61) 1,2-Dibromoethane	11.79	107	327327	52.052	ug/l	96
64) Tetrachloroethene	11.24	164	416047	51.018	ug/l	93
65) Chlorobenzene	12.38	112	990070	50.971	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	451727	53.436	ug/l	95
67) Ethyl Benzene	12.51	91	1716414	52.782	ug/l	98
68) m/p-Xylenes	12.66	106	1187120	100.339	ug/l	94
69) o-Xylene	13.04	106	619117	56.287	ug/l	96
70) Styrene	13.06	104	1015438	54.497	ug/l	98
71) Bromoform	13.22	173	312052	53.057	ug/l	99
73) Isopropylbenzene	13.39	105	1756891	54.080	ug/l	98
74) N-amyl acetate	13.26	43	452331	53.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	322337	52.411	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	336593	52.260	ug/l	98
77) Bromobenzene	13.66	156	477276	52.481	ug/l	98
78) n-propylbenzene	13.76	91	2127300	54.894	ug/l	94
79) 2-Chlorotoluene	13.83	91	1210670	54.548	ug/l	92
80) 1,3,5-Trimethylbenzene	13.92	105	1524232	55.717	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	92499	50.872	ug/l	85
82) 4-Chlorotoluene	13.93	91	1395016	53.413	ug/l	87
83) tert-Butylbenzene	14.18	119	1651570	53.712	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1521471	55.422	ug/l	94
85) sec-Butylbenzene	14.36	105	1634863	48.494	ug/l	97
86) p-Isopropyltoluene	14.48	119	1483396	49.249	ug/l	91
87) 1,3-Dichlorobenzene	14.45	146	864419	52.033	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	844743	51.750	ug/l	98
89) n-Butylbenzene	14.79	91	1422089	52.601	ug/l	97
90) Hexachloroethane	15.00	117	442612	54.035	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	677703	49.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	52159	51.665	ug/l	93

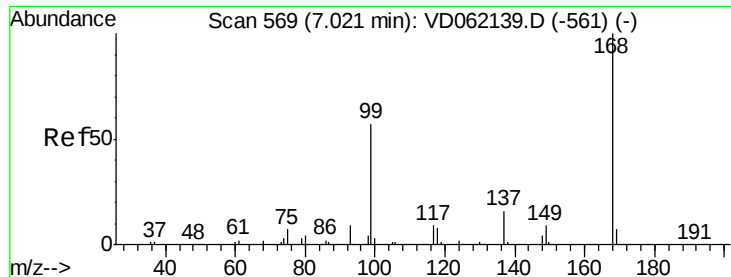
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	508914	51.103	ug/l	96
94) Hexachlorobutadiene	16.03	225	379864	51.286	ug/l	99
95) Naphthalene	16.11	128	671769	48.318	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	320992	51.266	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

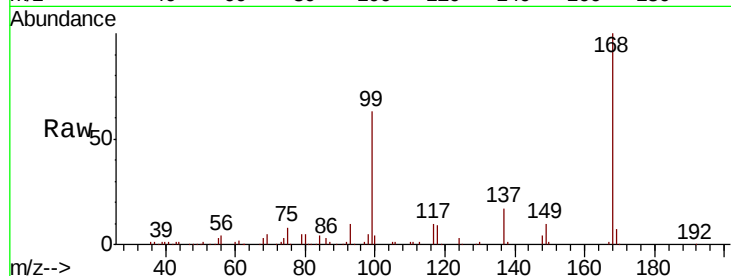
VSTDCCC050

Tot Ion:168 Resp: 873554

Ion Ratio Lower Upper

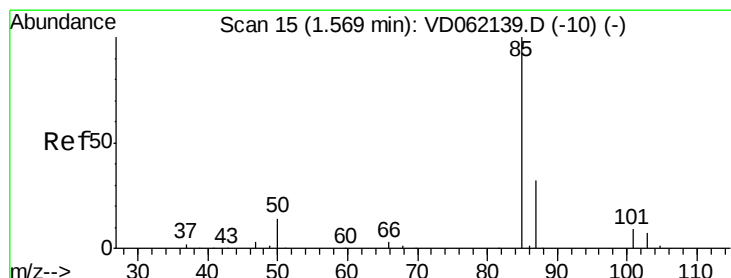
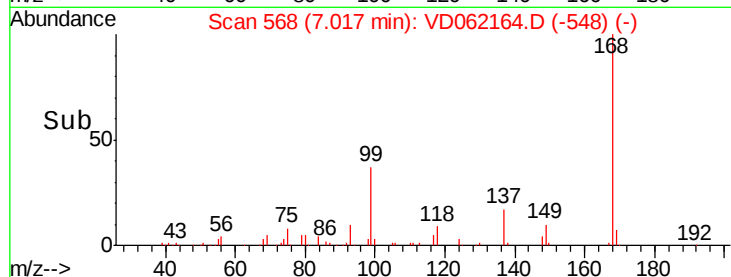
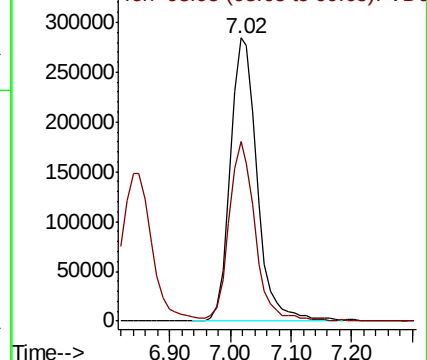
168 100

99 63.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.540 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062164.D

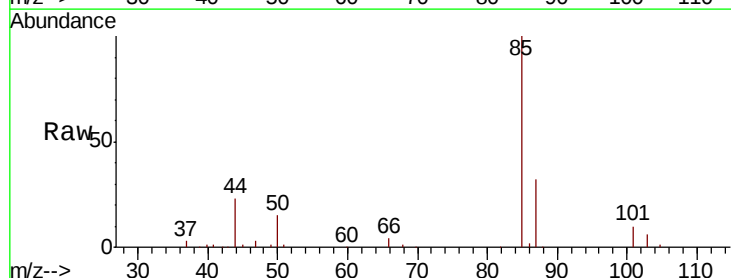
Acq: 8 May 2019 10:18

Tgt Ion: 85 Resp: 430608

Ion Ratio Lower Upper

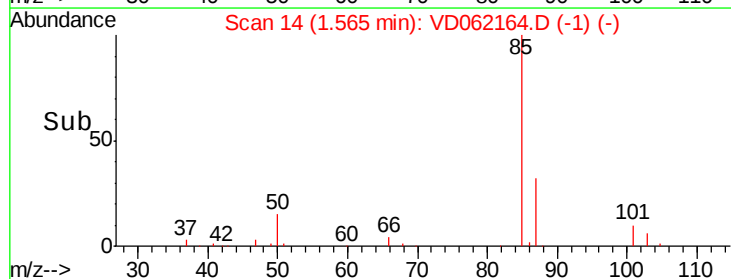
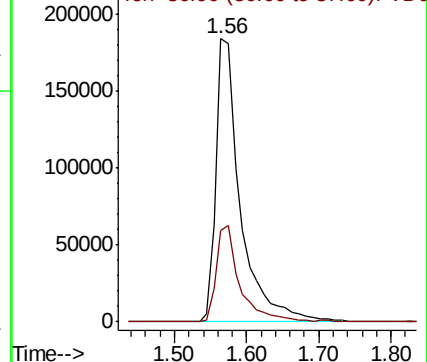
85 100

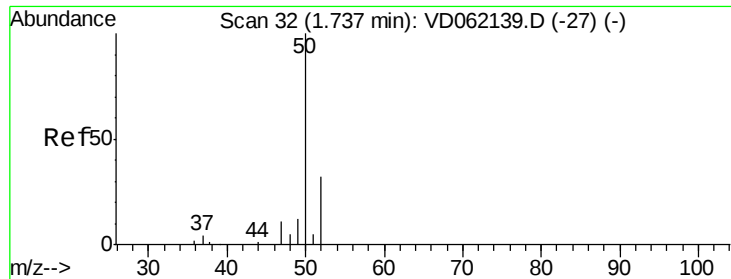
87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.647 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

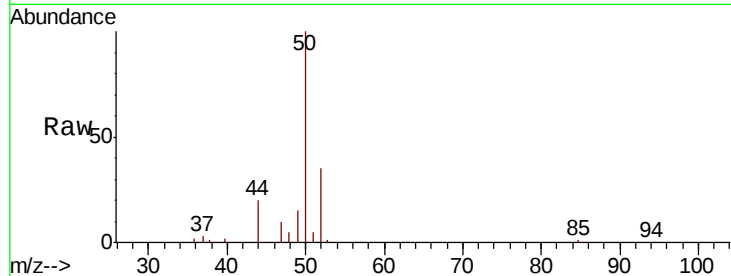
VSTDCCC050

Tot Ion: 50 Resp: 281608

Ion Ratio Lower Upper

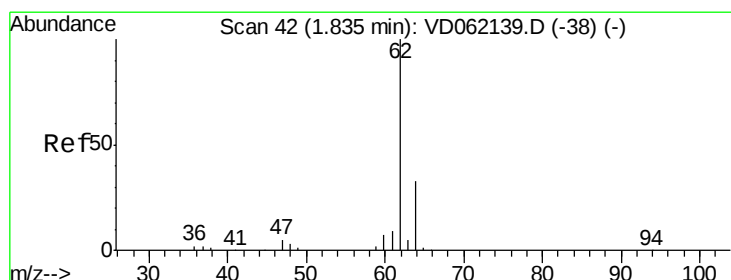
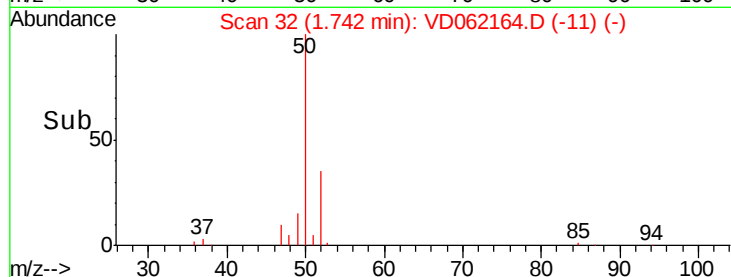
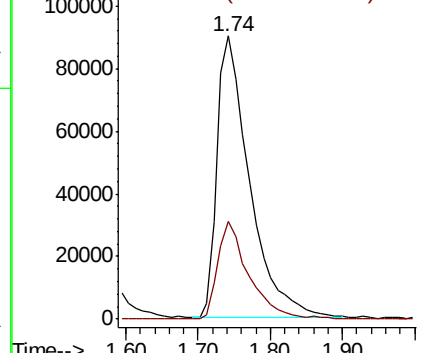
50 100

52 34.7 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: 48.211 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062164.D

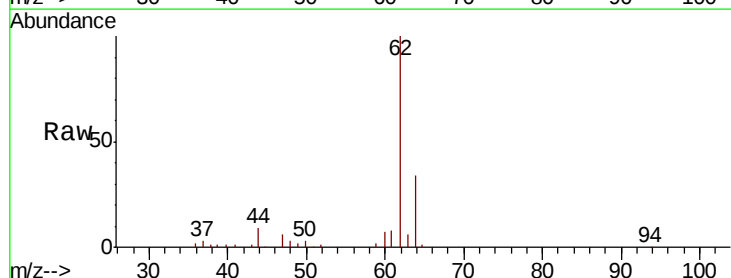
Acq: 8 May 2019 10:18

Tgt Ion: 62 Resp: 286036

Ion Ratio Lower Upper

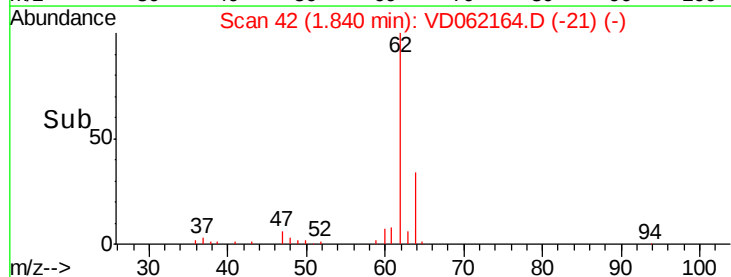
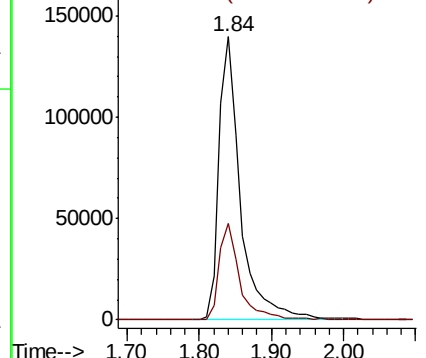
62 100

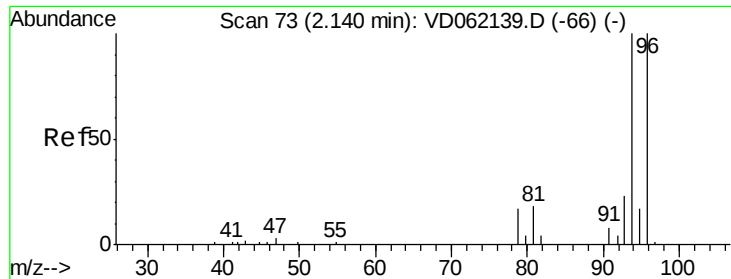
64 33.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.076 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

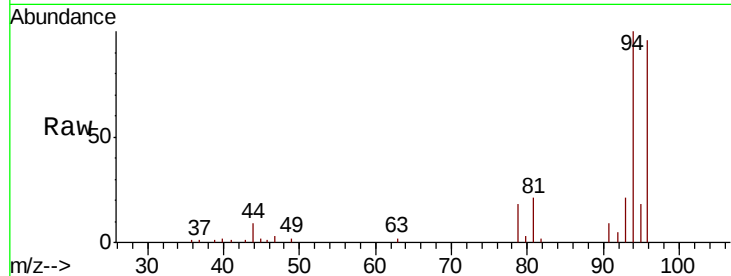
Tot Ion: 94 Resp: 82128

Ion Ratio Lower Upper

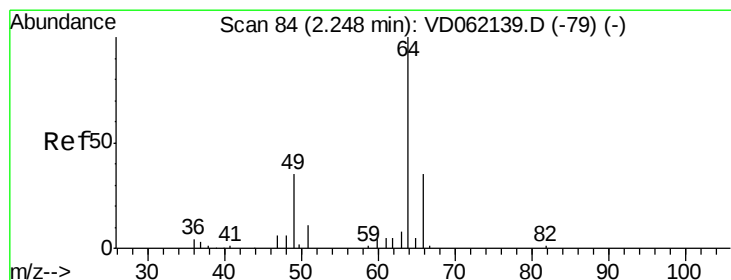
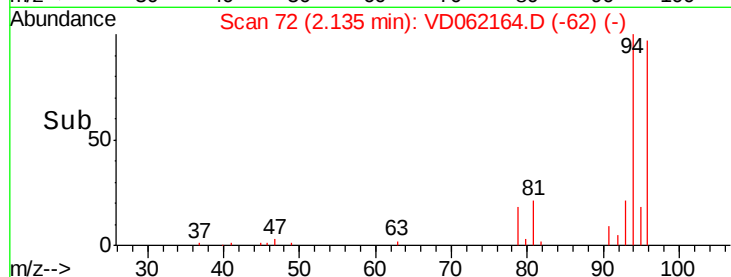
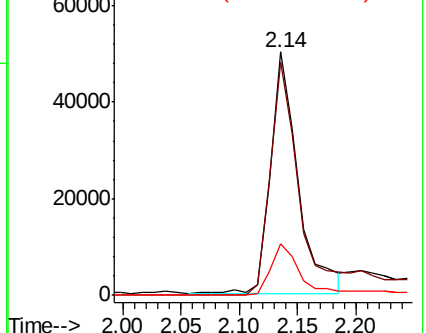
94 100

96 95.7 76.6 115.0

93 21.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.998 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.01 min

Lab File: VD062164.D

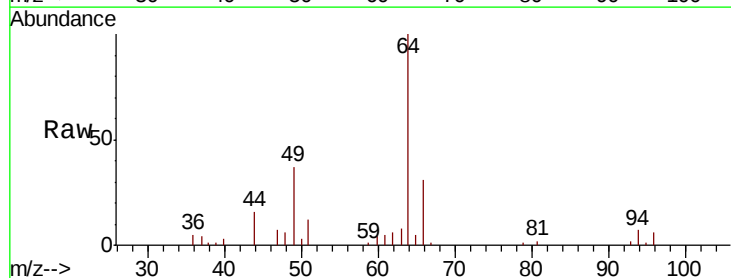
Acq: 8 May 2019 10:18

Tgt Ion: 64 Resp: 134432

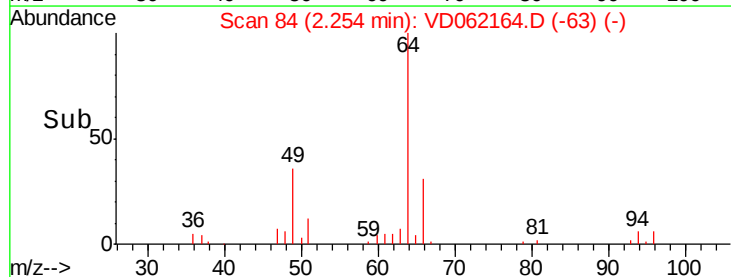
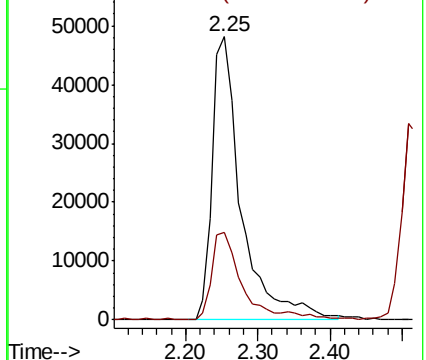
Ion Ratio Lower Upper

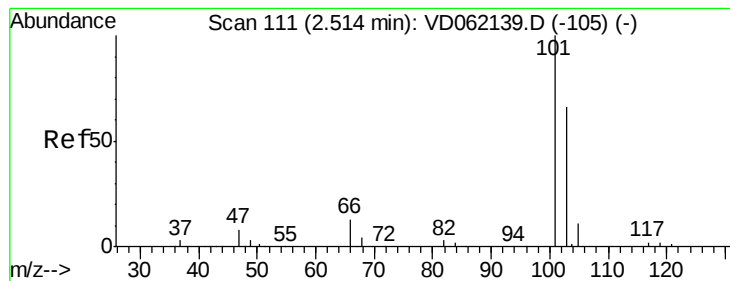
64 100

66 31.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



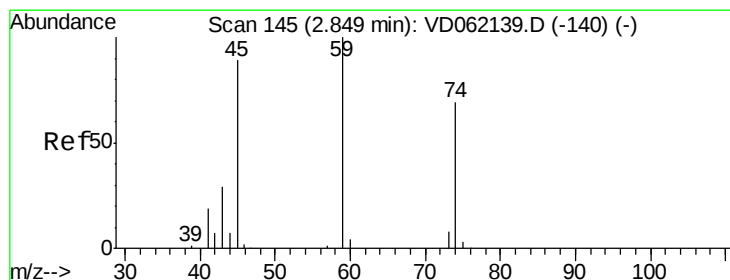
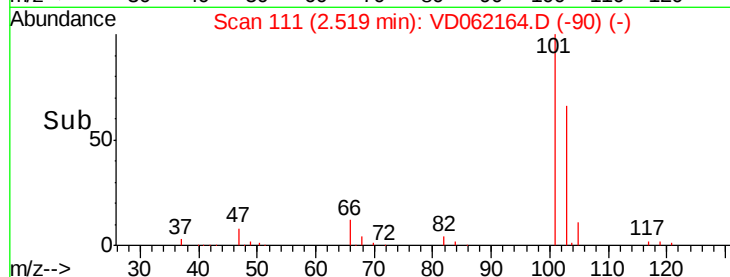
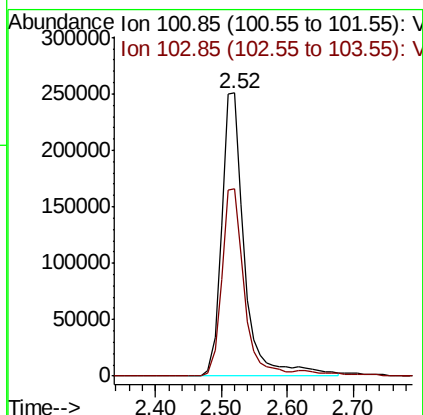
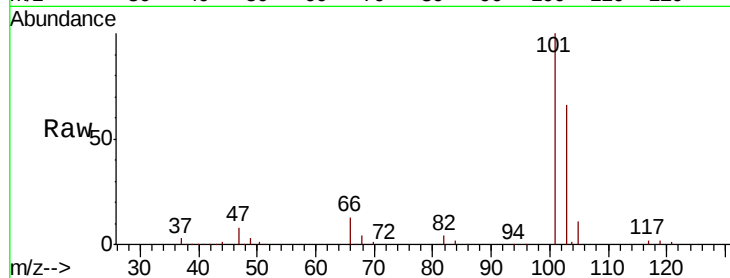


#7

Trichlorofluoromethane
 Concen: 52.657 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Instrument :
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 ClientSampleId :
 VSTDCCC050

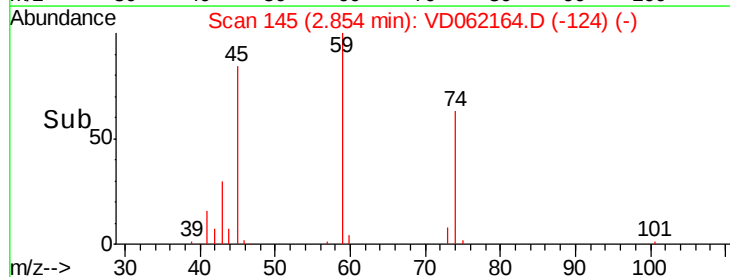
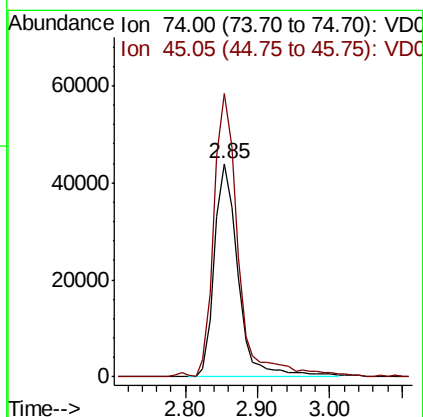
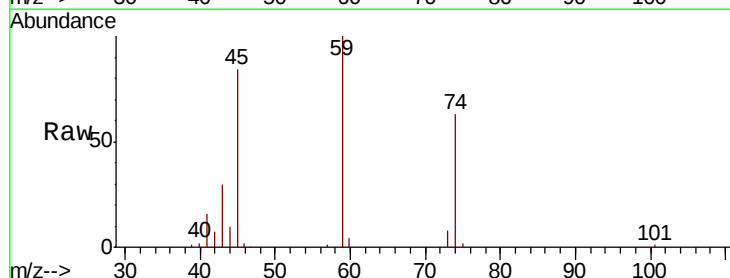
Tot Ion:101 Resp: 607377
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.6 80.4



#8

Diethyl Ether
 Concen: 44.847 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 74 Resp: 99765
 Ion Ratio Lower Upper
 74 100
 45 132.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.696 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

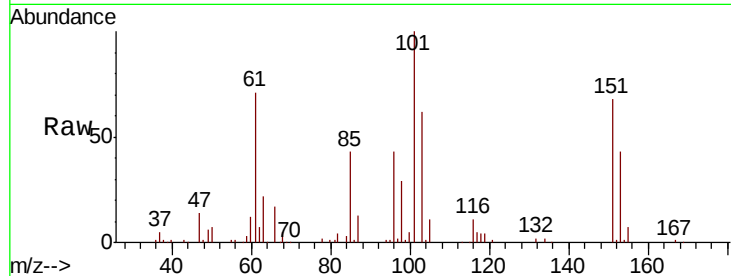
Tot Ion:101 Resp: 416171

Ion Ratio Lower Upper

101 100

85 42.9 32.4 48.6

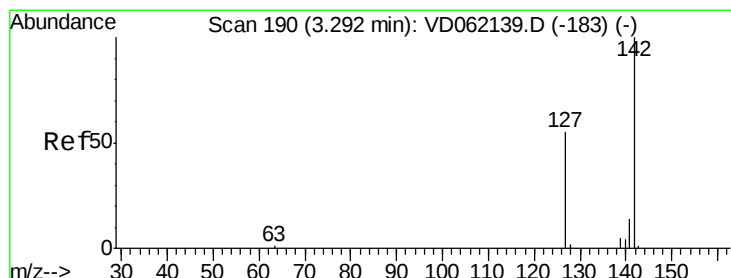
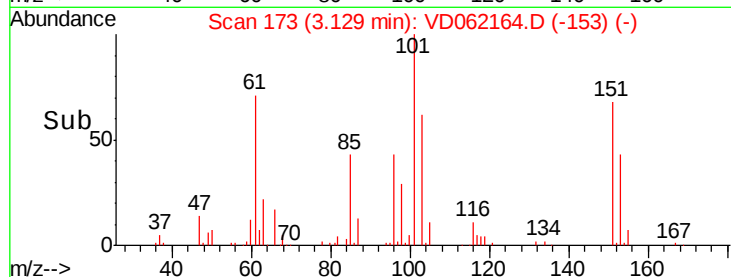
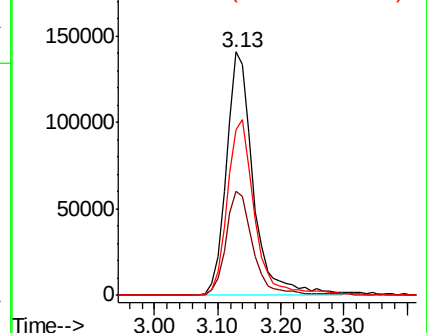
151 68.0 59.4 89.0



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: 38.866 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

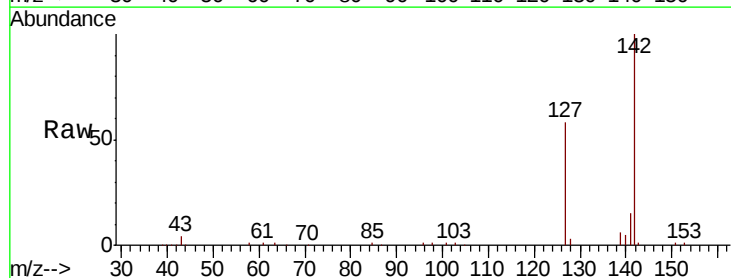
Tgt Ion:142 Resp: 512549

Ion Ratio Lower Upper

142 100

127 58.5 38.8 58.2#

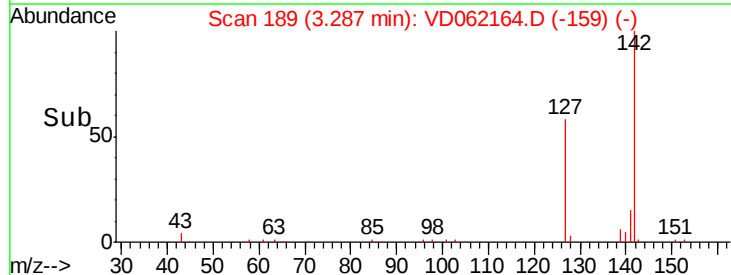
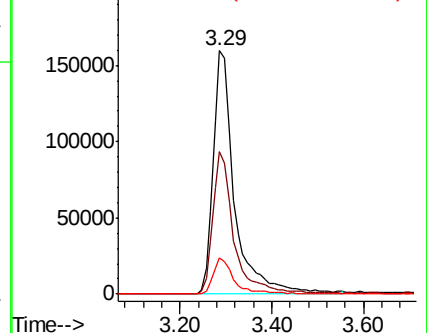
141 14.7 11.4 17.0

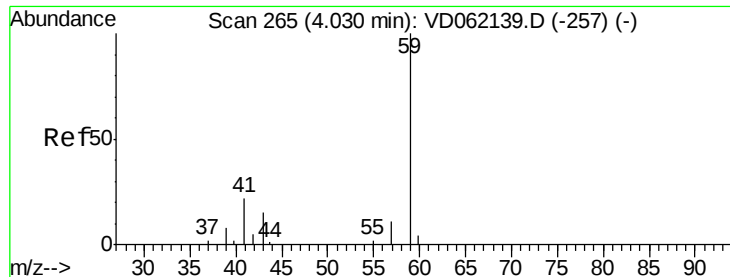


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



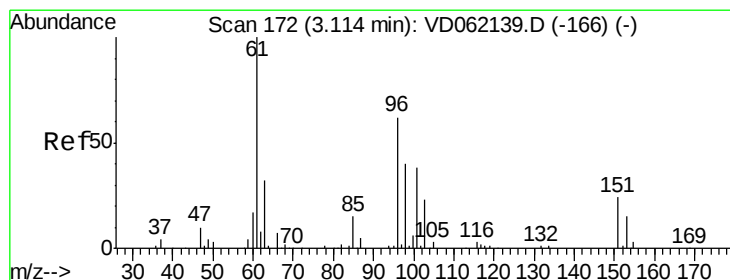
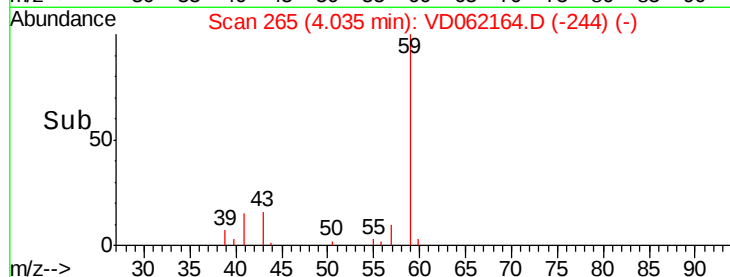
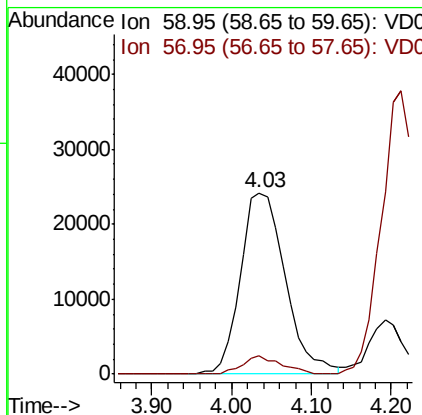
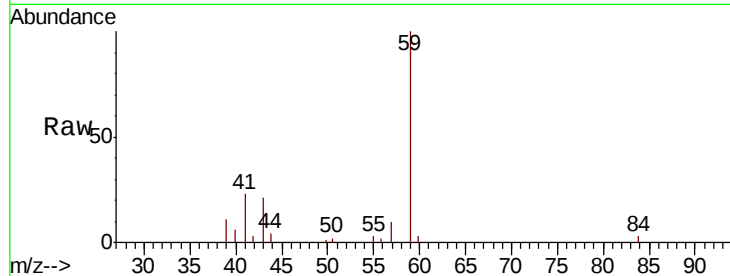


#11

Tert butyl alcohol
 Concen: 226.960 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

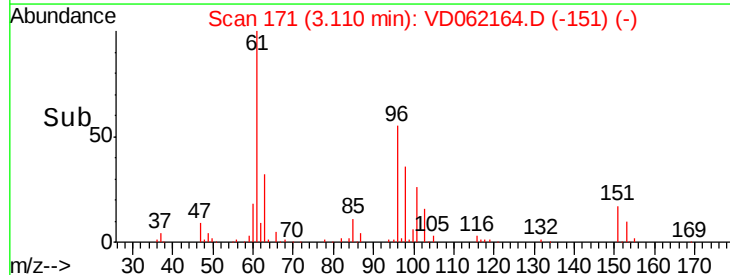
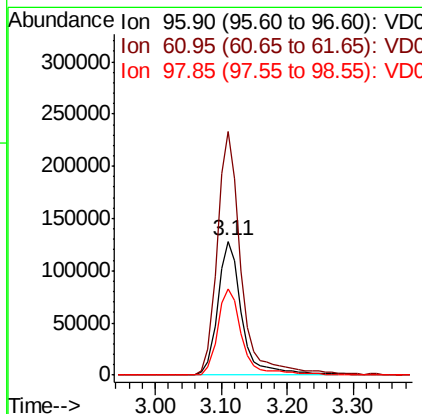
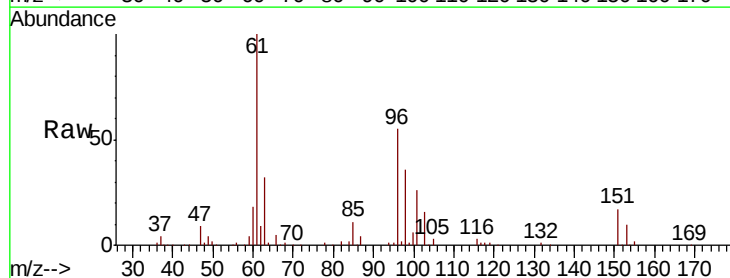
Tot Ion: 59 Resp: 94048
 Ion Ratio Lower Upper
 59 100
 57 10.3 6.9 10.3

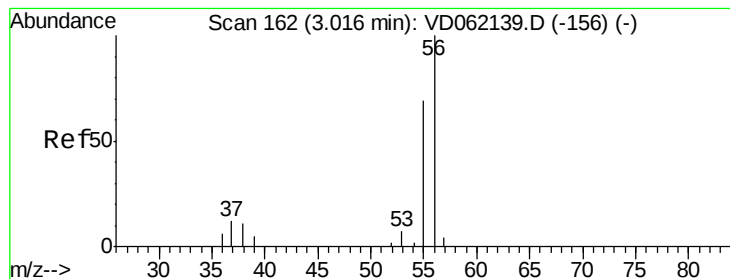


#12

1,1-Dichloroethene
 Concen: 48.836 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 96 Resp: 325281
 Ion Ratio Lower Upper
 96 100
 61 182.3 129.8 194.8
 98 64.8 51.2 76.8





#13

Acrolein

Concen: 195.643 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

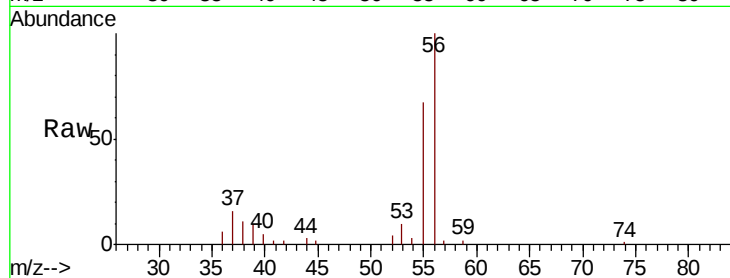
VSTDCCC050

Tot Ion: 56 Resp: 83852

Ion Ratio Lower Upper

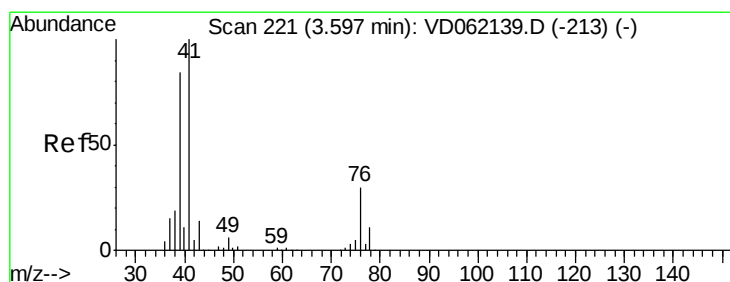
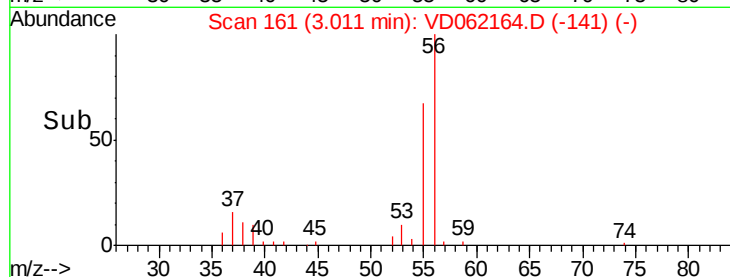
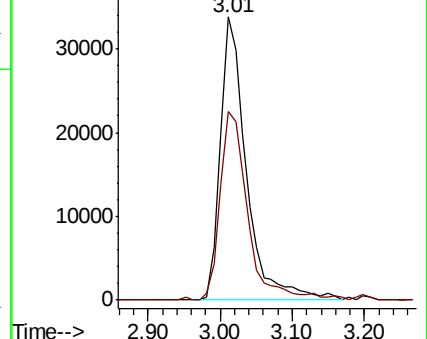
56 100

55 66.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.251 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

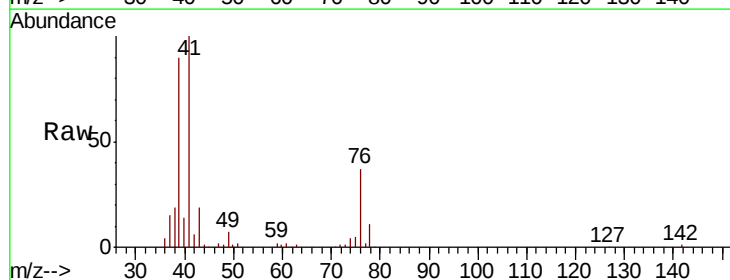
Tgt Ion: 41 Resp: 476976

Ion Ratio Lower Upper

41 100

39 90.1 60.5 90.7

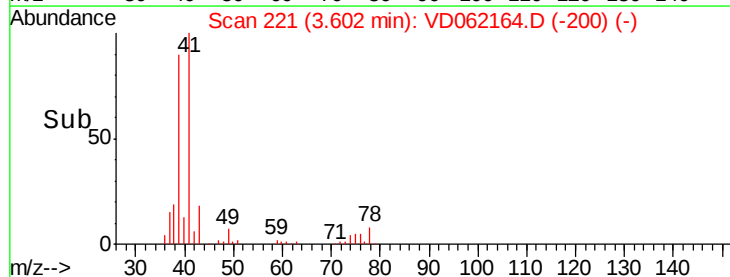
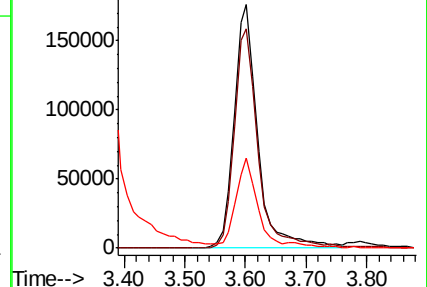
76 37.0 31.8 47.8

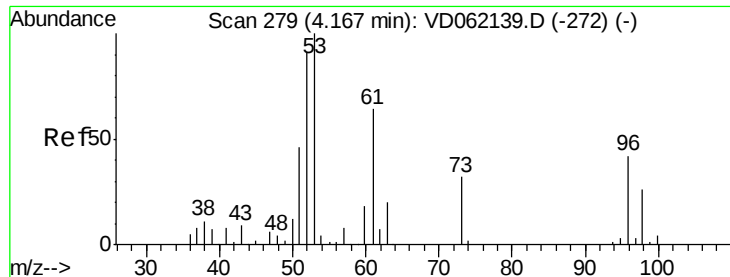


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 223.990 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

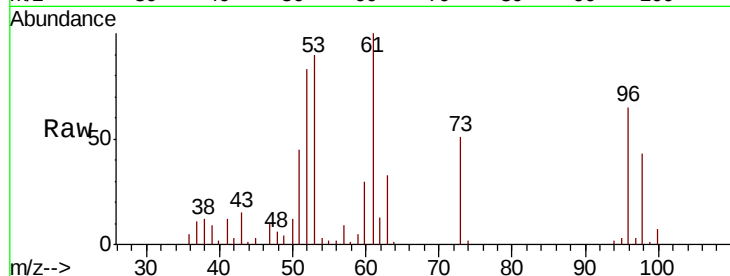
Tot Ion: 53 Resp: 243966

Ion Ratio Lower Upper

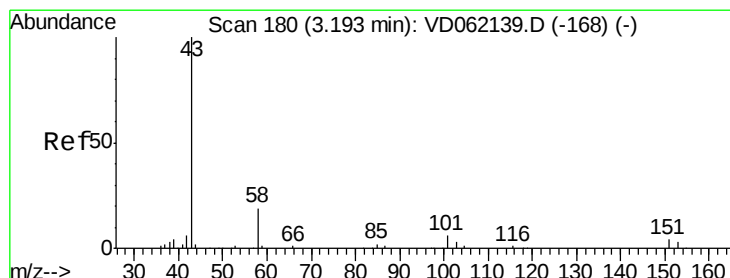
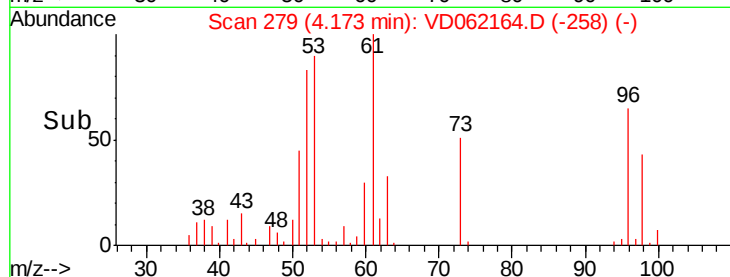
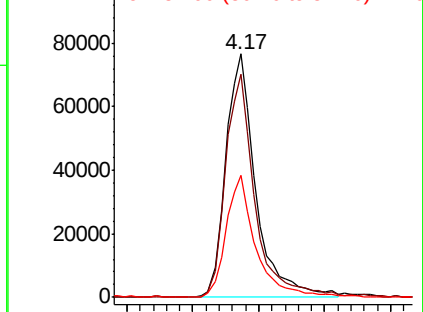
53 100

52 91.4 65.0 97.4

51 50.3 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: 290.360 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD062164.D

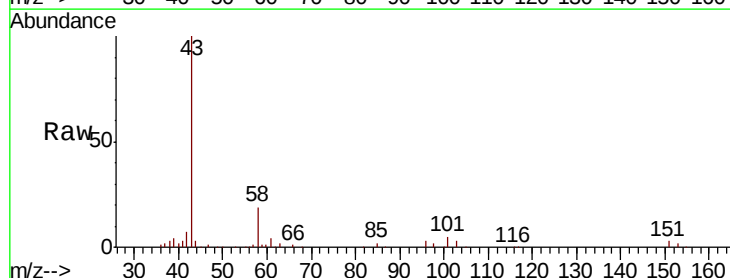
Acq: 8 May 2019 10:18

Tgt Ion: 43 Resp: 494321

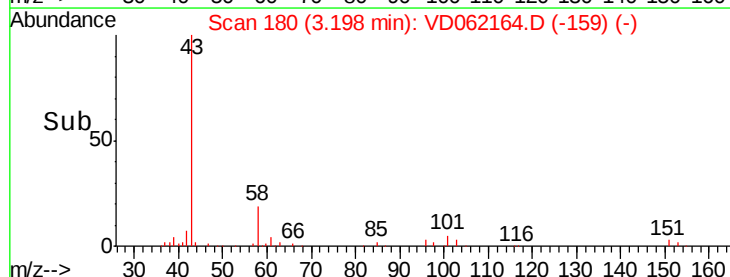
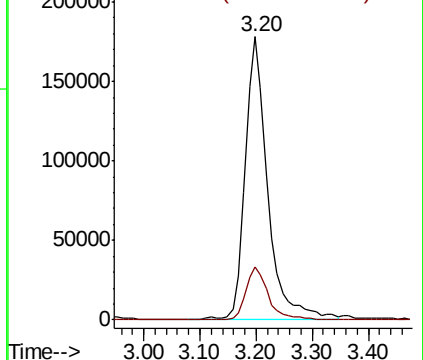
Ion Ratio Lower Upper

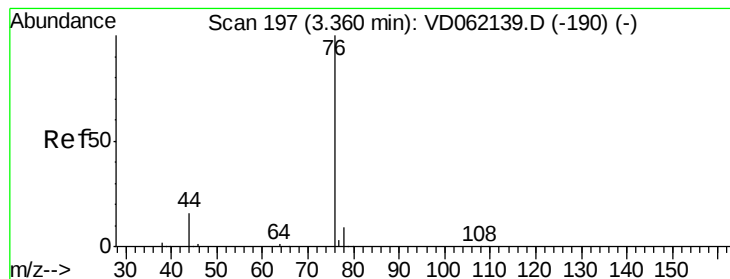
43 100

58 18.7 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: 49.207 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

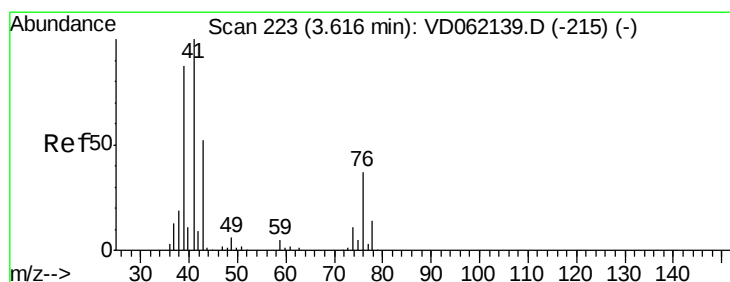
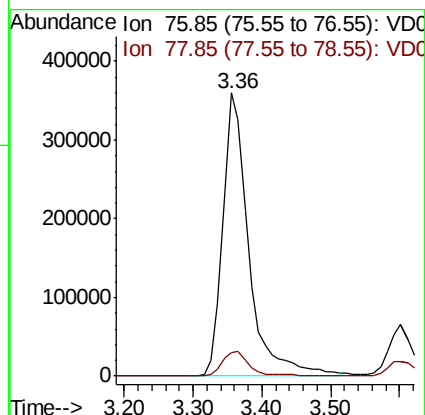
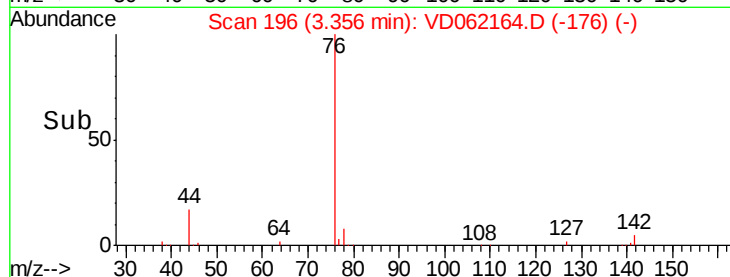
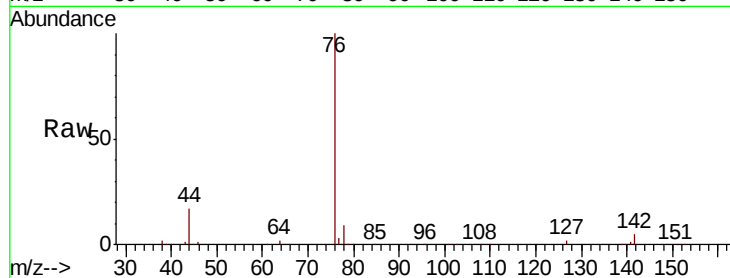
VSTDCCC050

Tot Ion: 76 Resp: 942835

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



#18

Methyl Acetate

Concen: 45.995 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062164.D

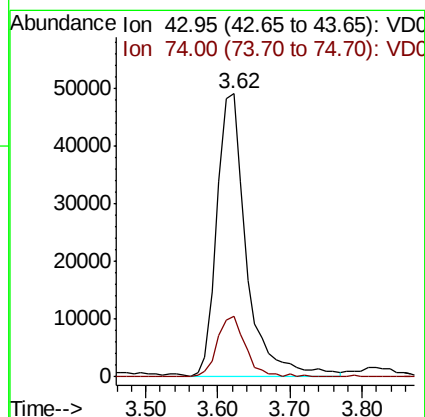
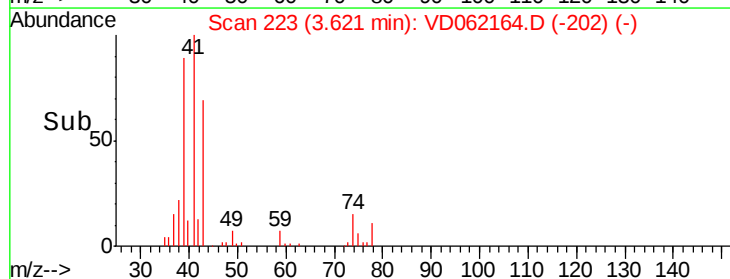
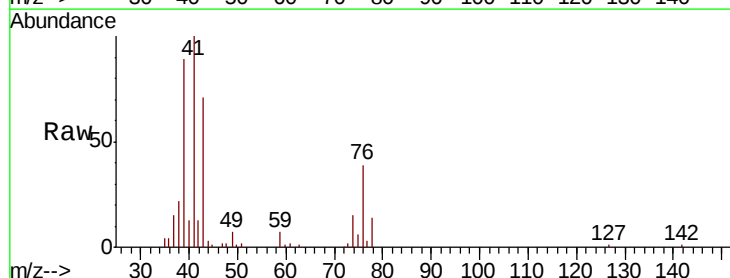
Acq: 8 May 2019 10:18

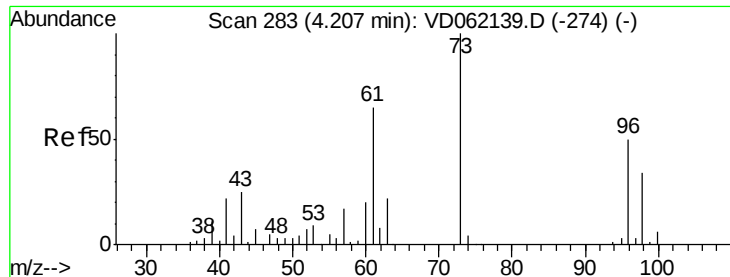
Tgt Ion: 43 Resp: 140118

Ion Ratio Lower Upper

43 100

74 21.2 18.0 27.0

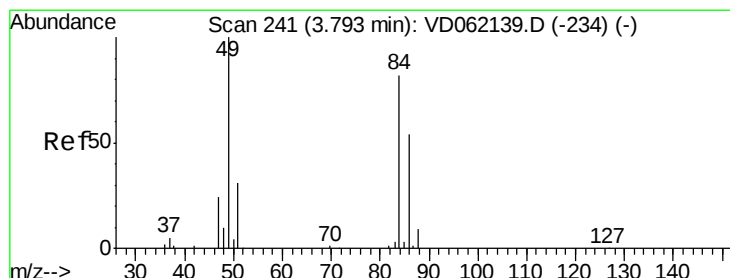
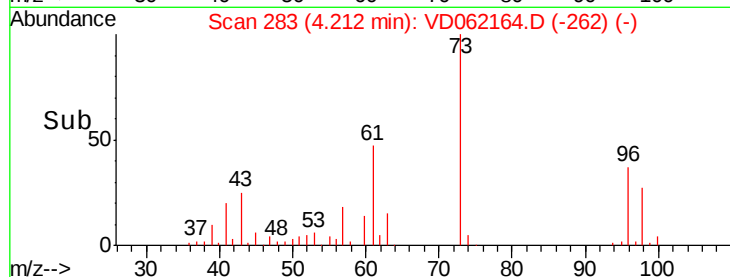
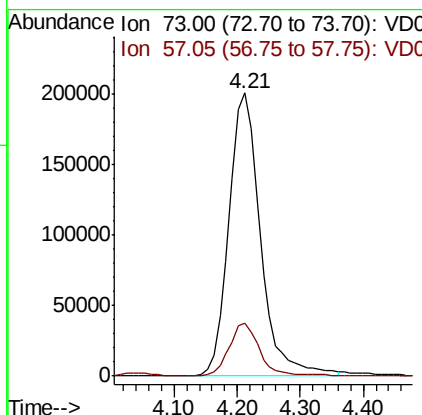
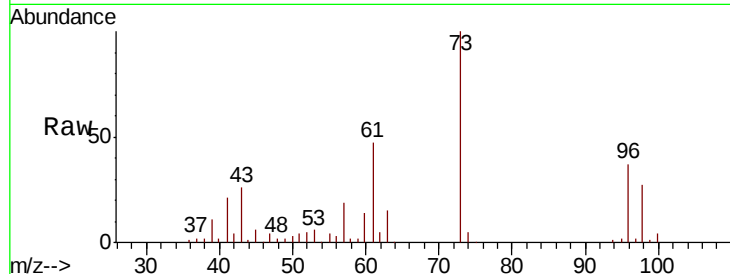




#19
Methyl tert-butyl Ether
Concen: 48.791 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

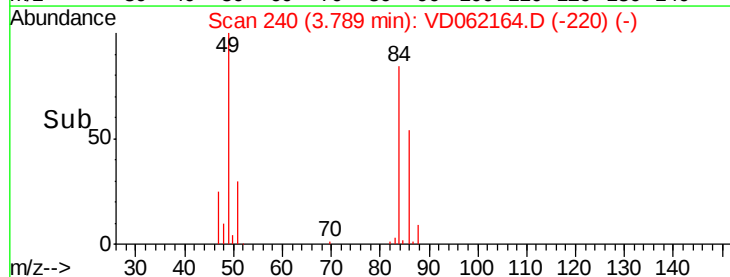
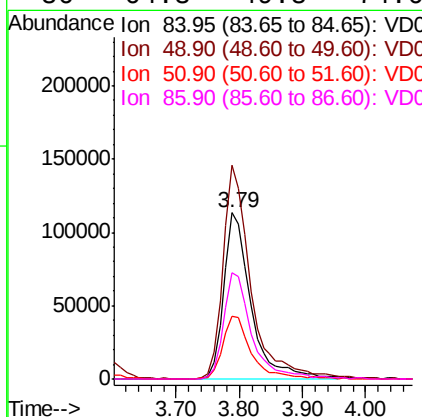
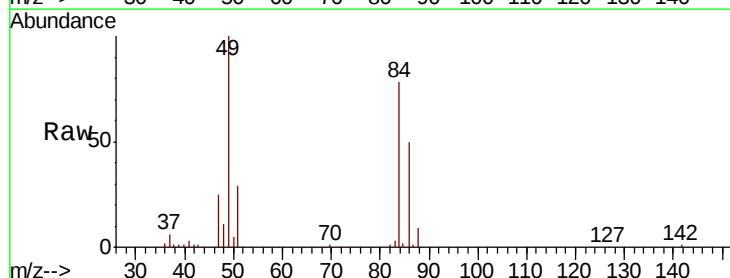
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

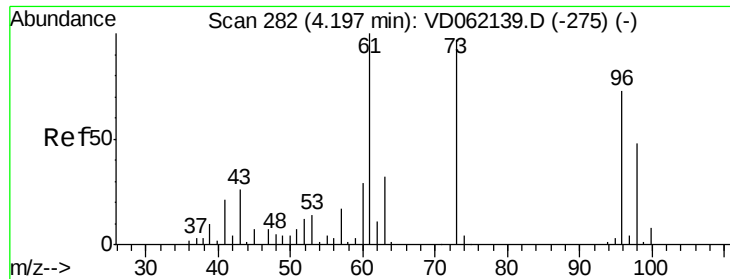
Tot Ion: 73 Resp: 696578
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5



#20
Methylene Chloride
Concen: 47.809 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 84 Resp: 339839
Ion Ratio Lower Upper
84 100
49 128.5 94.0 141.0
51 37.8 29.0 43.4
86 64.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.885 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

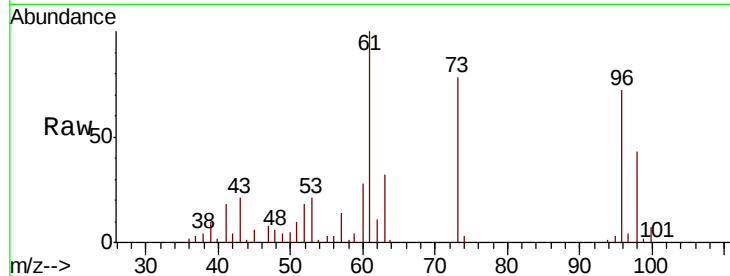
Tot Ion: 96 Resp: 369743

Ion Ratio Lower Upper

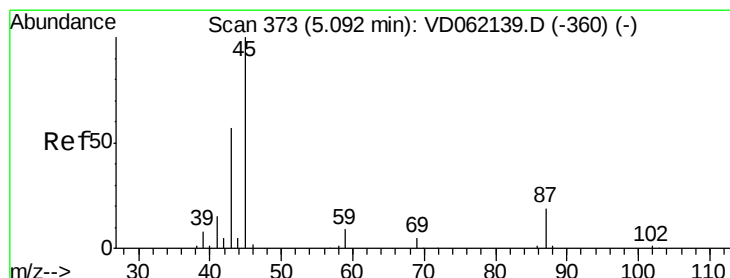
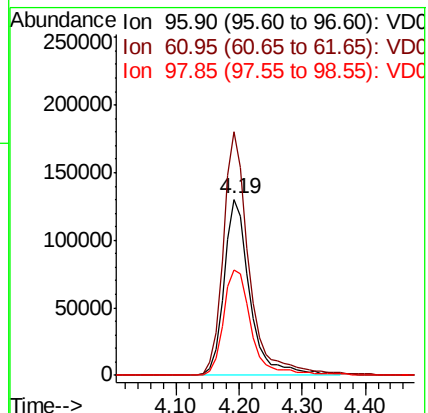
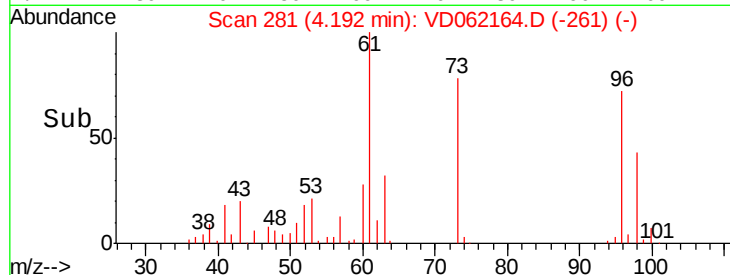
96 100

61 138.2 104.4 156.6

98 60.0 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: 53.537 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Tgt Ion: 45 Resp: 1103342

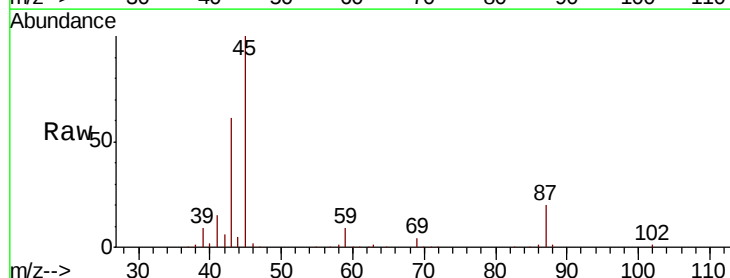
Ion Ratio Lower Upper

45 100

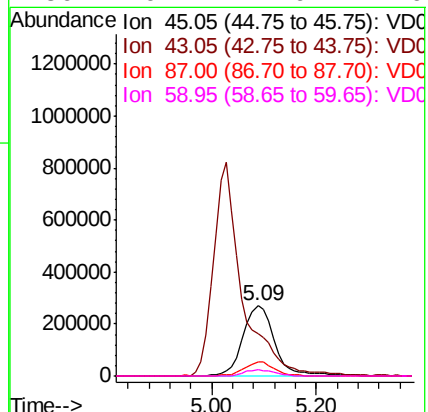
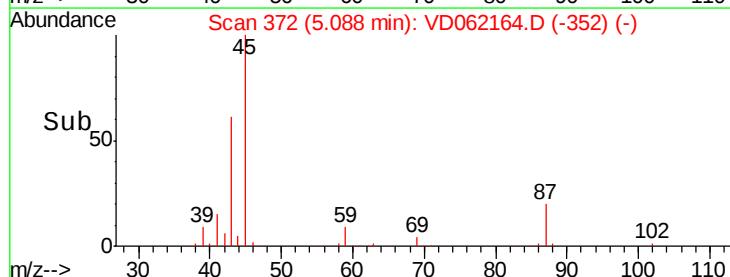
43 61.0 46.2 69.2

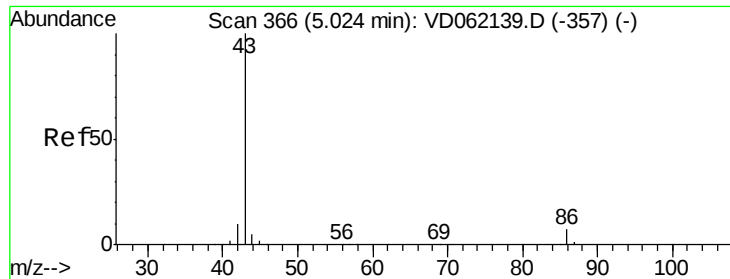
87 20.1 15.9 23.9

59 9.1 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: 282.659 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

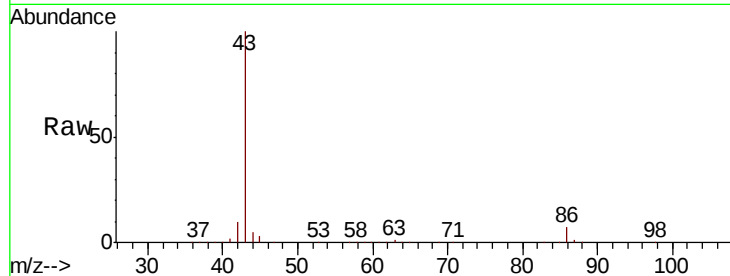
VSTDCCC050

Tot Ion: 43 Resp: 3073452

Ion Ratio Lower Upper

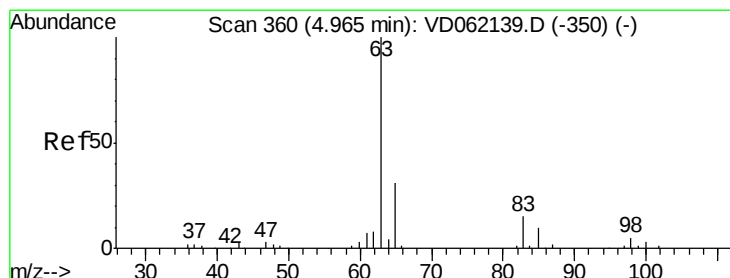
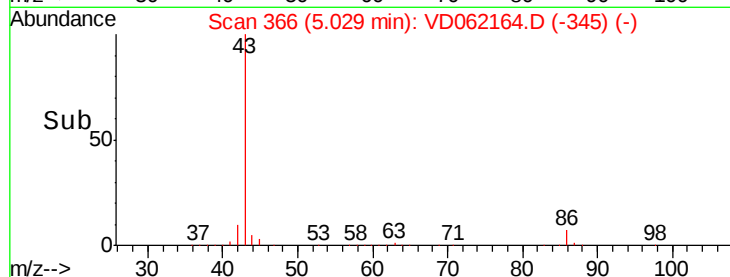
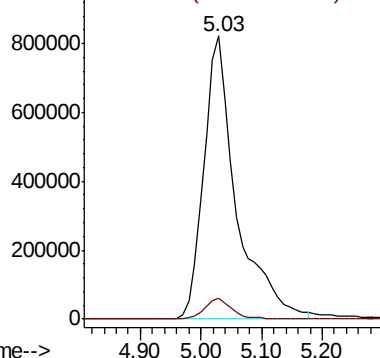
43 100

86 7.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.162 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

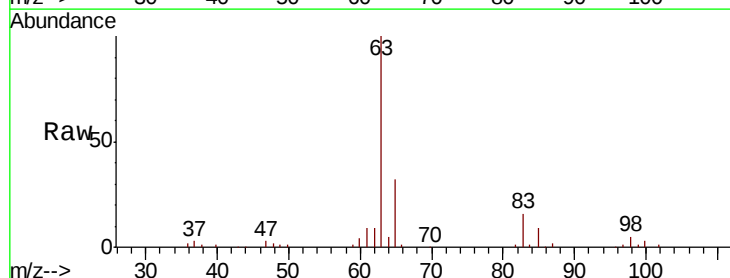
Tgt Ion: 63 Resp: 611209

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

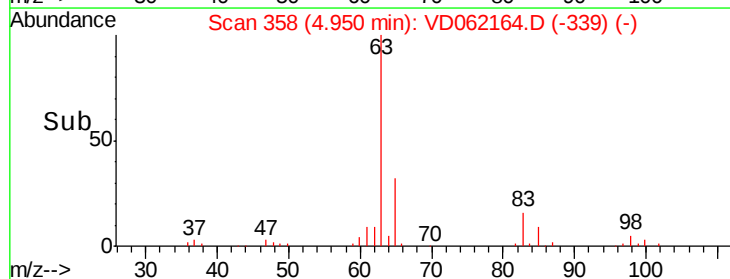
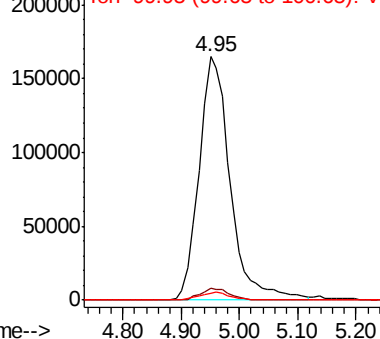
100 2.9 1.8 5.5

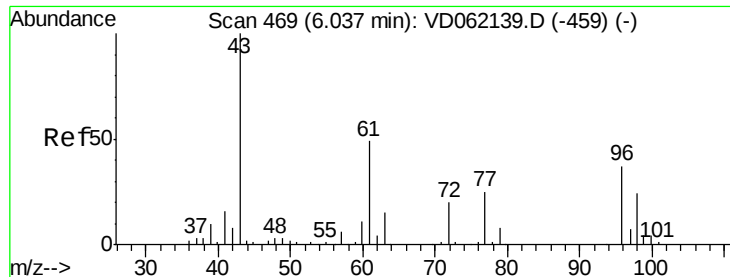


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 301.884 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

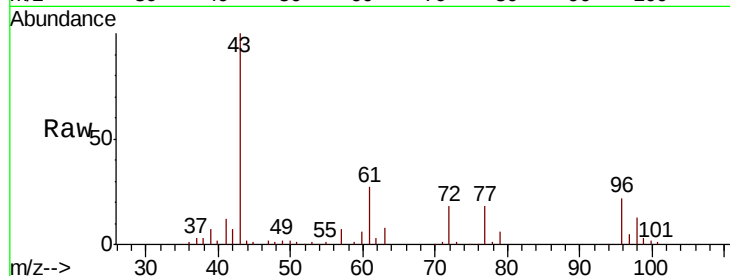
VSTDCCC050

Tot Ion: 43 Resp: 560585

Ion Ratio Lower Upper

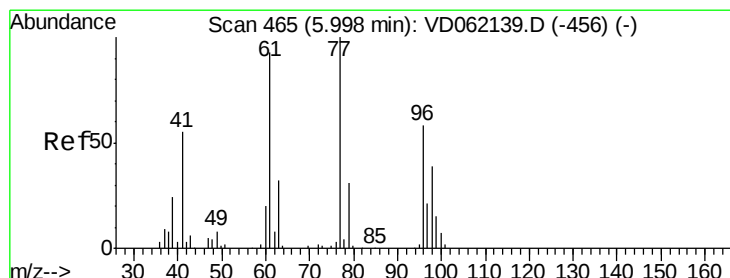
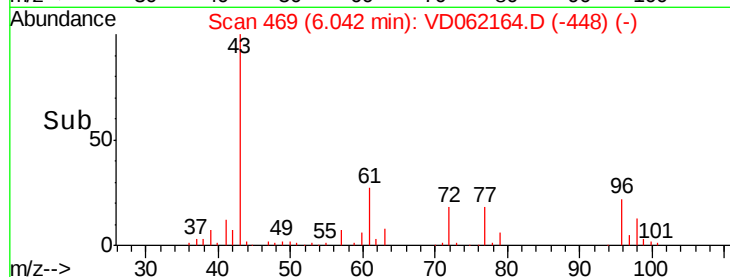
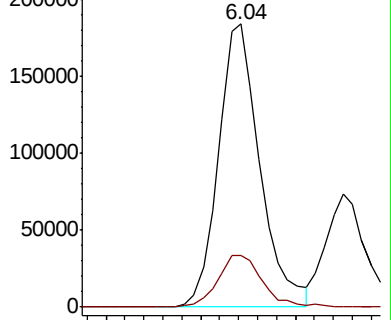
43 100

72 18.1 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: 55.153 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD062164.D

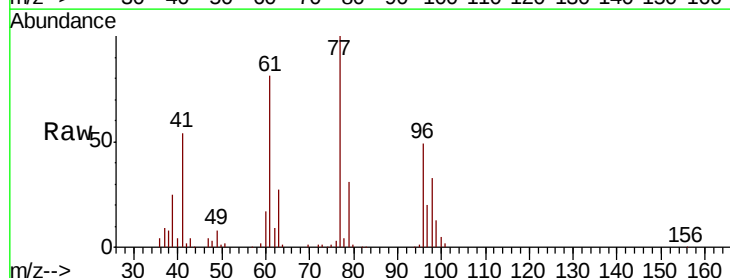
Acq: 8 May 2019 10:18

Tgt Ion: 77 Resp: 683020

Ion Ratio Lower Upper

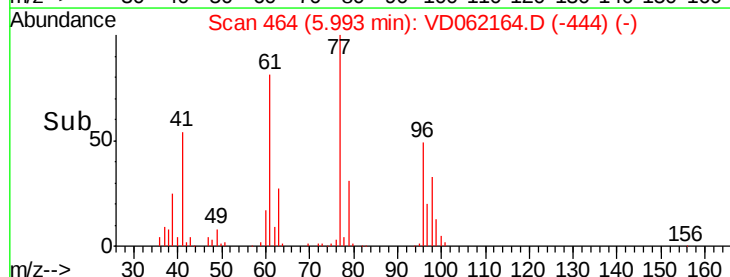
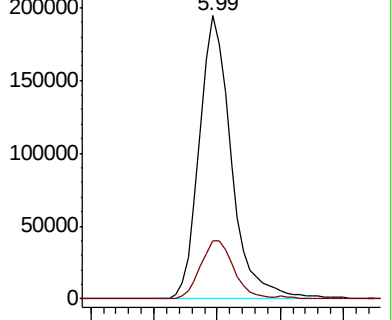
77 100

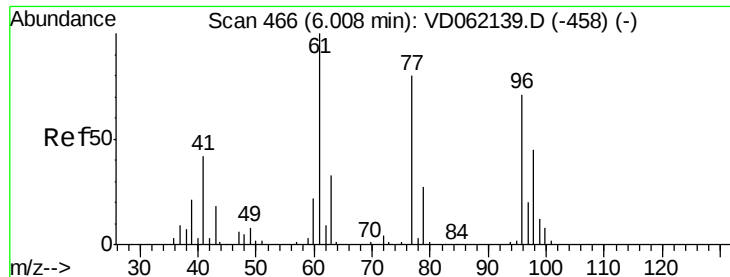
97 20.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



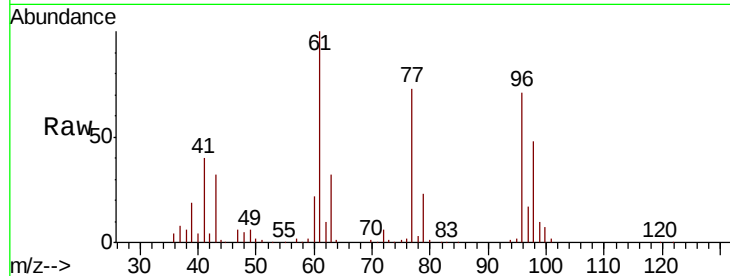


#27

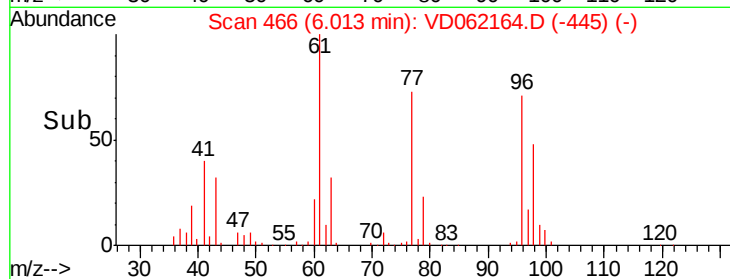
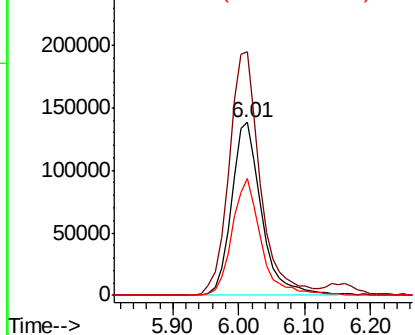
cis-1,2-Dichloroethene
Concen: 53.266 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 441913
Ion Ratio Lower Upper
96 100
61 140.9 0.0 279.8
98 67.3 0.0 136.0



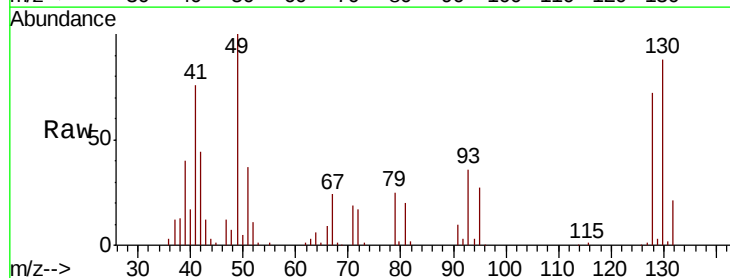
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



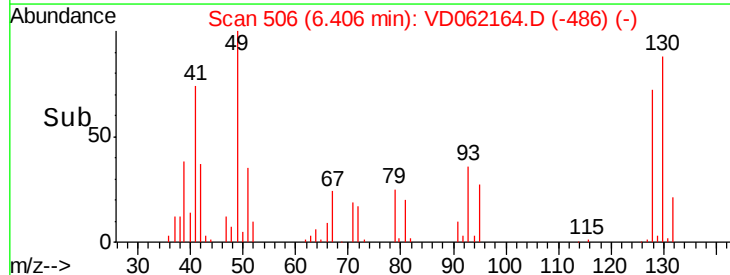
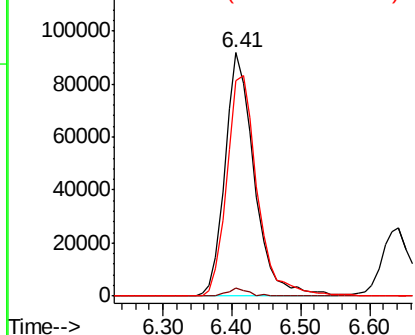
#28

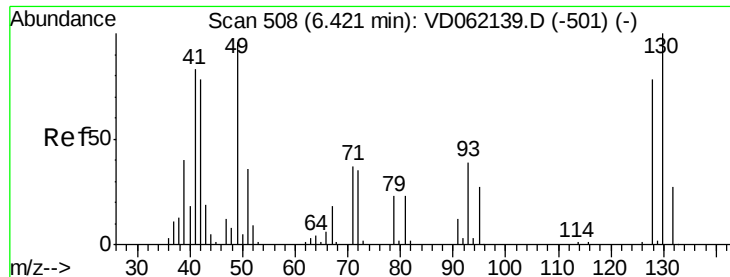
Bromochloromethane
Concen: 55.343 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 49 Resp: 270703
Ion Ratio Lower Upper
49 100
129 3.1 0.0 6.6
130 88.4 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

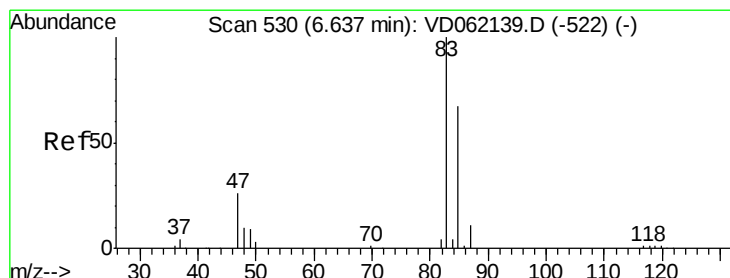
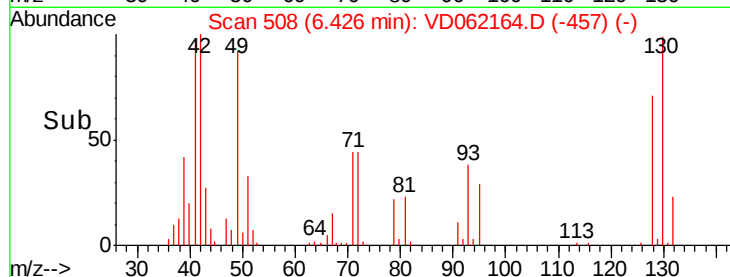
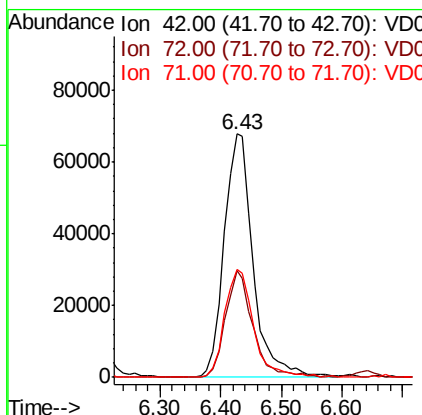
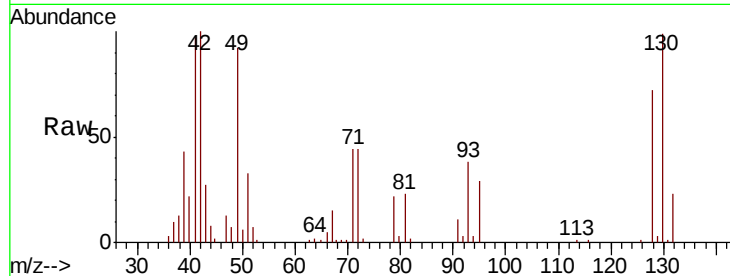




#29
Tetrahydrofuran
Concen: 262.008 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

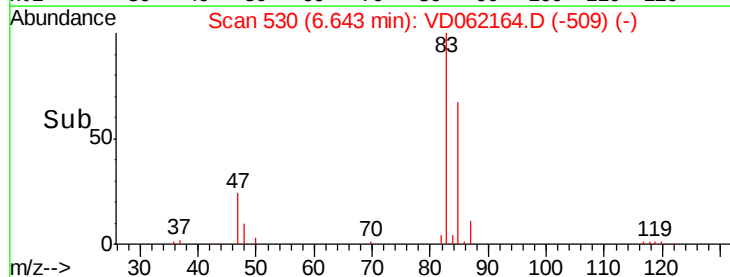
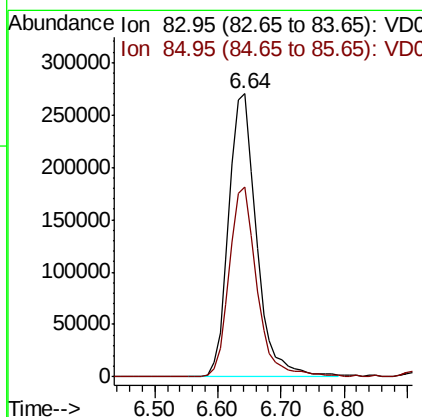
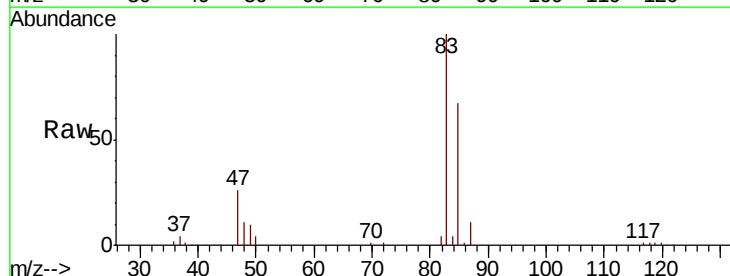
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

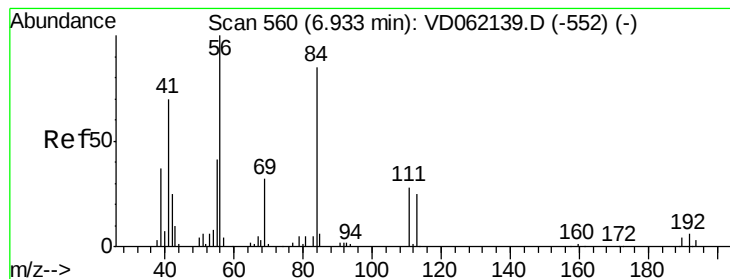
Tot Ion: 42 Resp: 224176
Ion Ratio Lower Upper
42 100
72 41.6 37.8 56.6
71 44.1 36.7 55.1



#30
Chloroform
Concen: 55.099 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 83 Resp: 825569
Ion Ratio Lower Upper
83 100
85 67.1 51.7 77.5





#31

Cvclohexane

Concen: 57.620 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

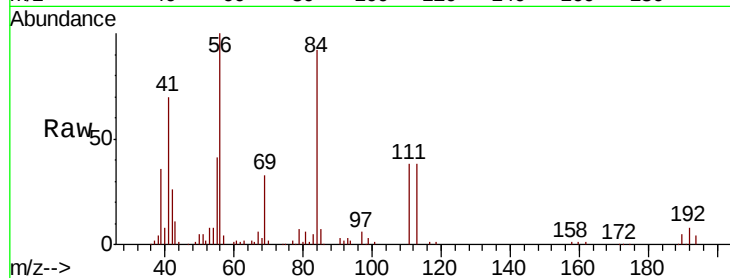
Tot Ion: 56 Resp: 490784

Ion Ratio Lower Upper

56 100

69 32.9 25.8 38.6

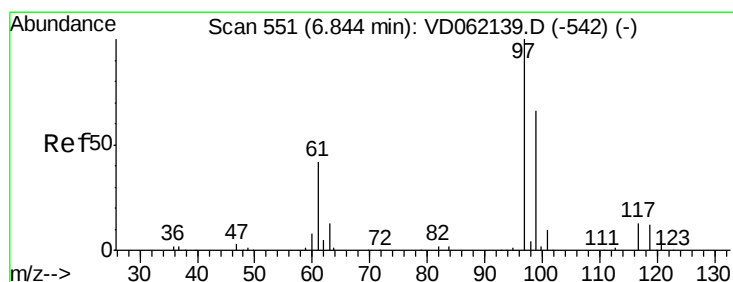
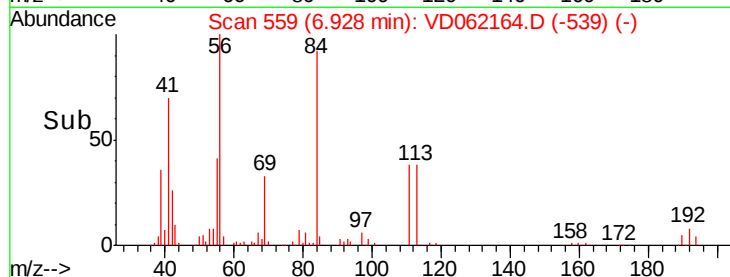
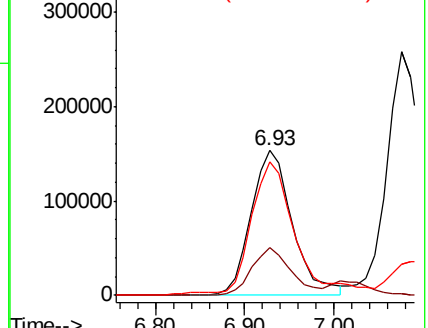
84 92.1 72.2 108.4



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: 55.757 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

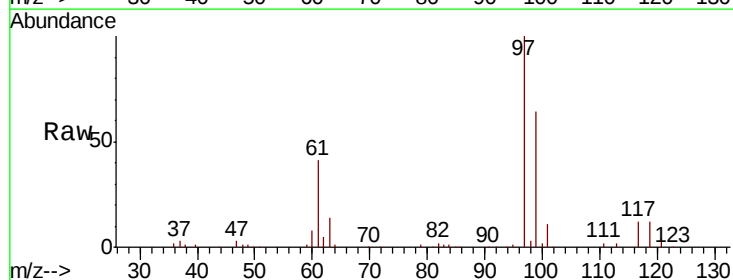
Tgt Ion: 97 Resp: 789629

Ion Ratio Lower Upper

97 100

99 63.7 52.2 78.2

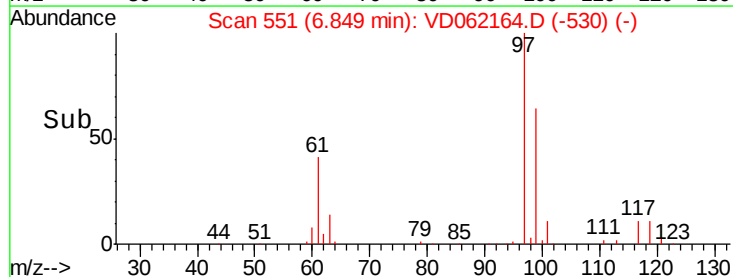
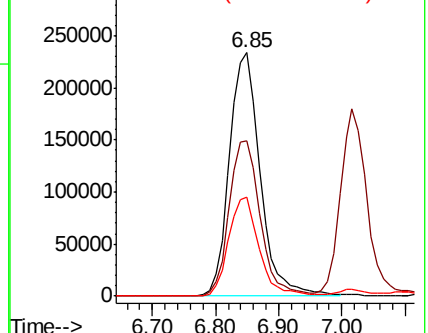
61 40.8 32.4 48.6



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: 57.951 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

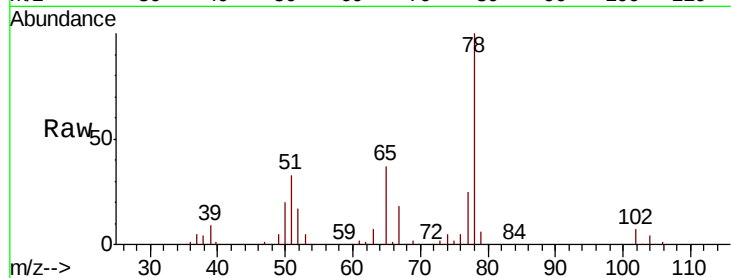
VSTDCCC050

Tot Ion: 65 Resp: 470450

Ion Ratio Lower Upper

65 100

67 48.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

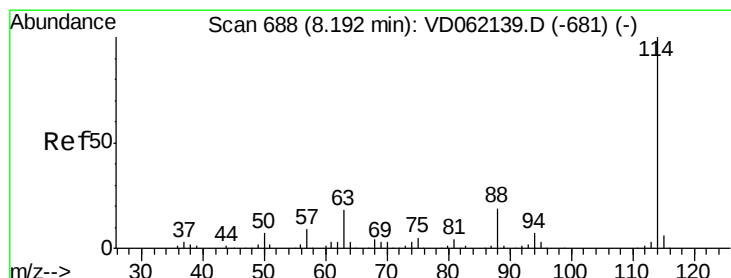
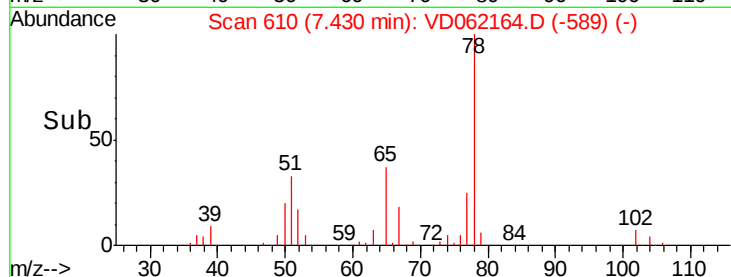
100000

50000

0

7.30 7.43 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

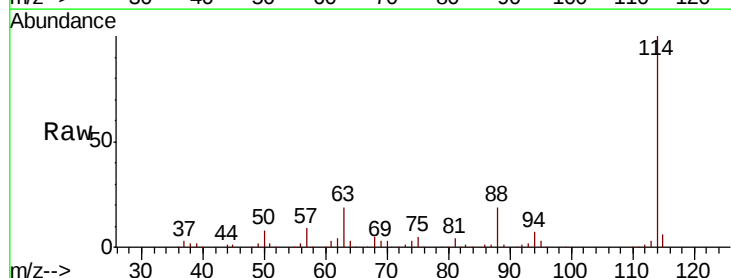
Tgt Ion: 114 Resp: 1213542

Ion Ratio Lower Upper

114 100

63 19.4 0.0 32.4

88 19.2 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

600000

500000

400000

300000

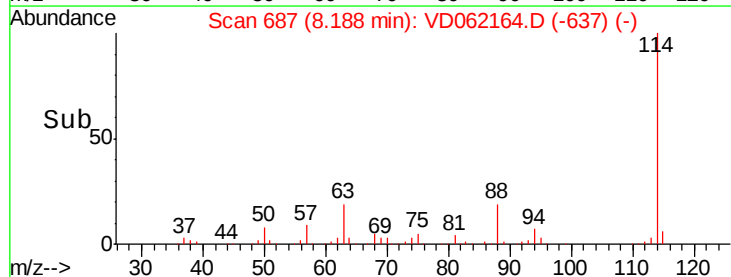
200000

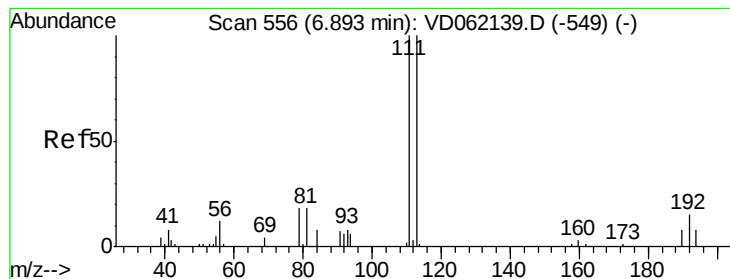
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 55.159 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

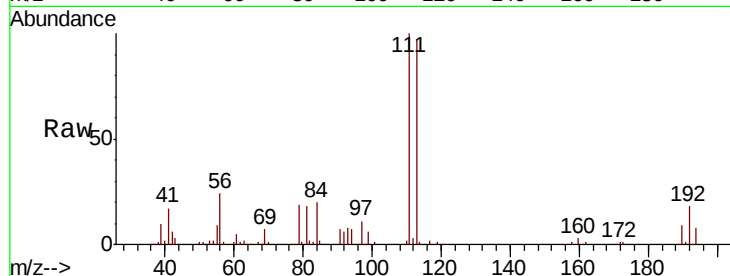
Tot Ion:113 Resp: 555393

Ion Ratio Lower Upper

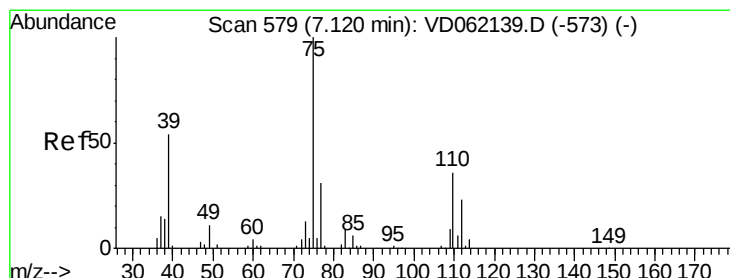
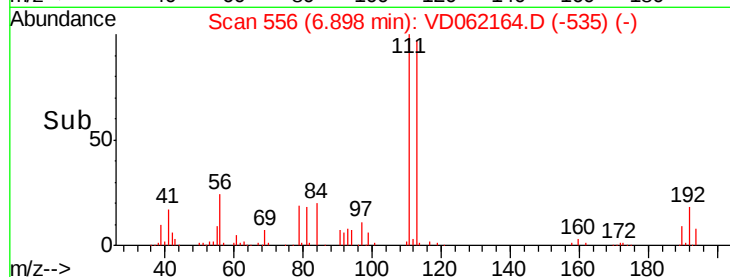
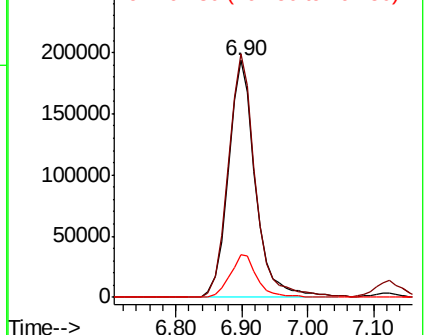
113 100

111 102.7 78.5 117.7

192 18.2 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: 57.808 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

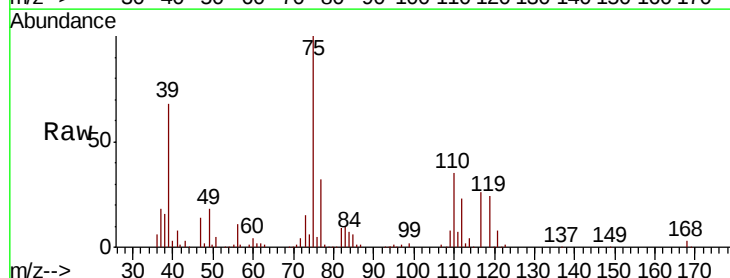
Tgt Ion: 75 Resp: 575184

Ion Ratio Lower Upper

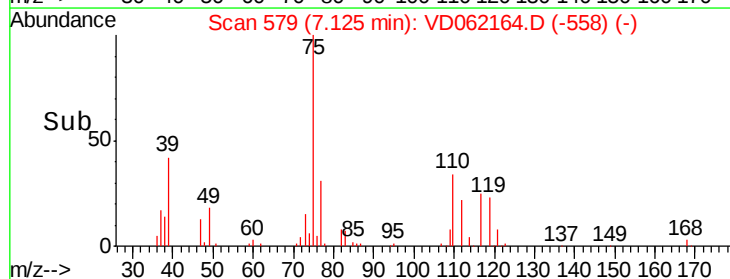
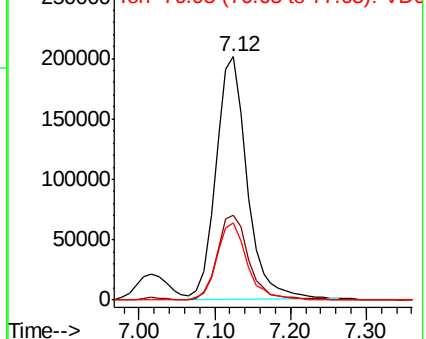
75 100

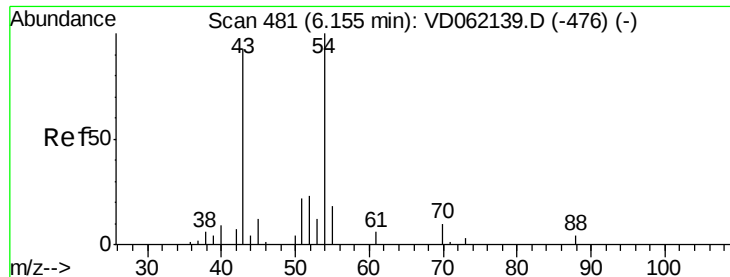
110 34.9 19.1 57.1

77 31.7 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

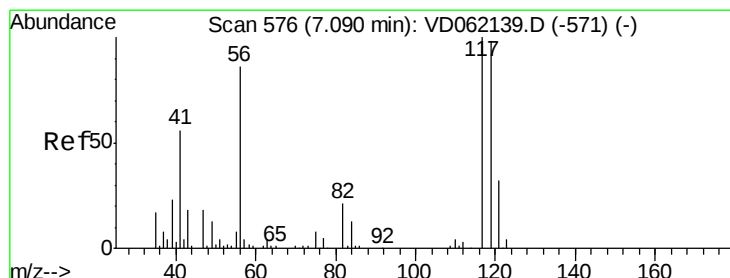
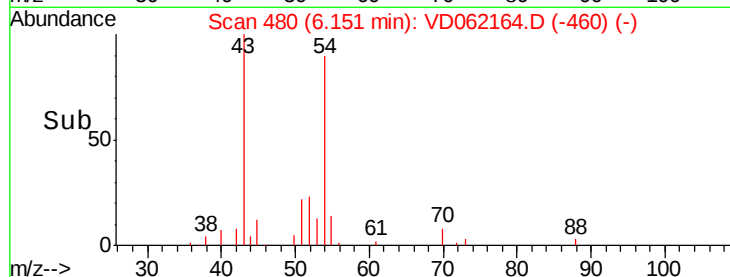
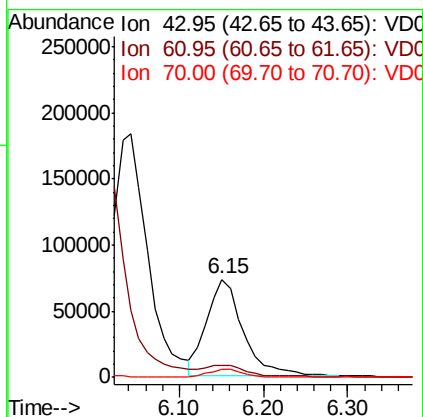
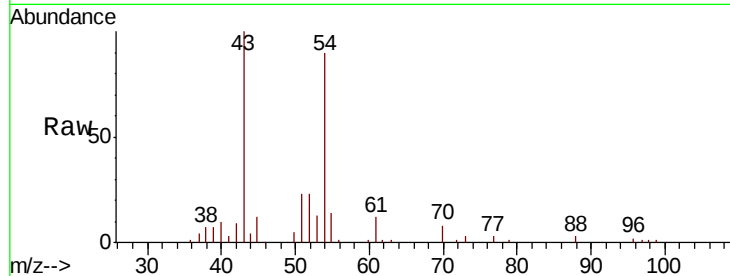




#37
Ethyl Acetate
Concen: 52.494 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

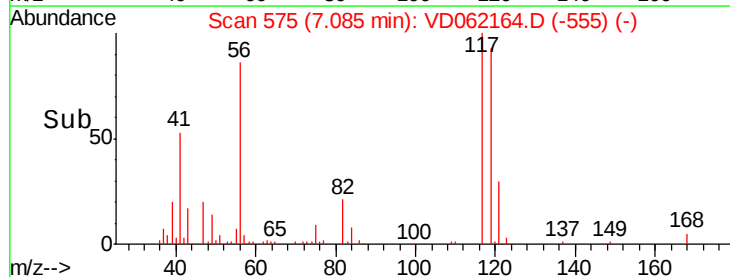
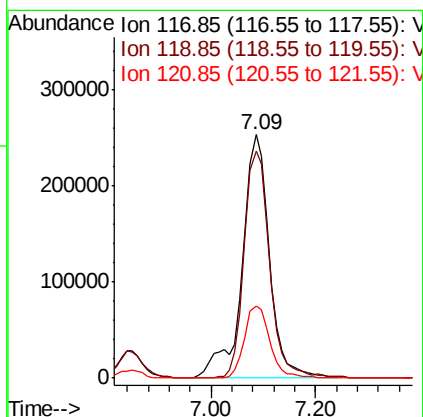
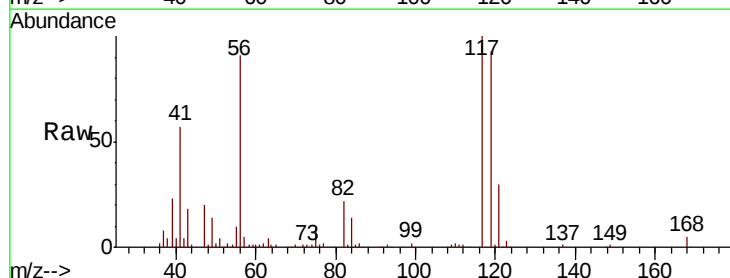
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

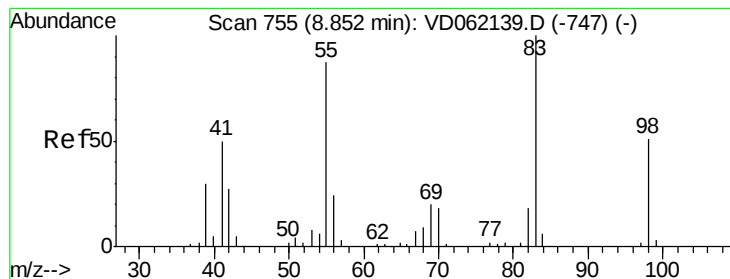
Tot Ion: 43 Resp: 221506
Ion Ratio Lower Upper
43 100
61 12.1 14.7 22.1#
70 8.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 64.085 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 117 Resp: 882547
Ion Ratio Lower Upper
117 100
119 93.1 75.8 113.8
121 29.6 25.9 38.9





#39

Methvlcvclohexane

Concen: 59.327 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

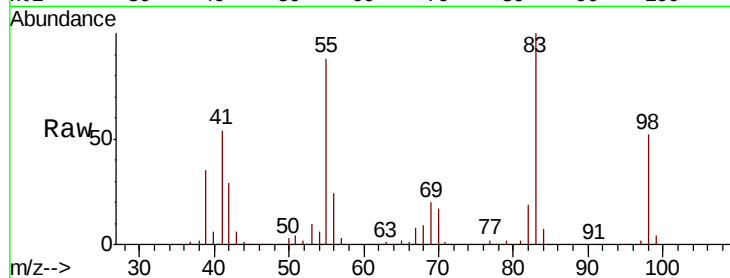
Tot Ion: 83 Resp: 565581

Ion Ratio Lower Upper

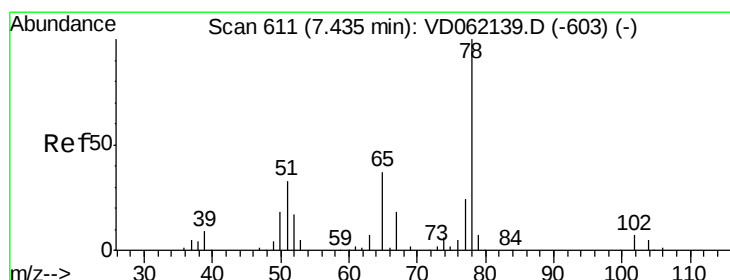
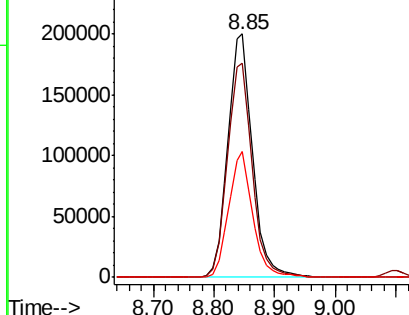
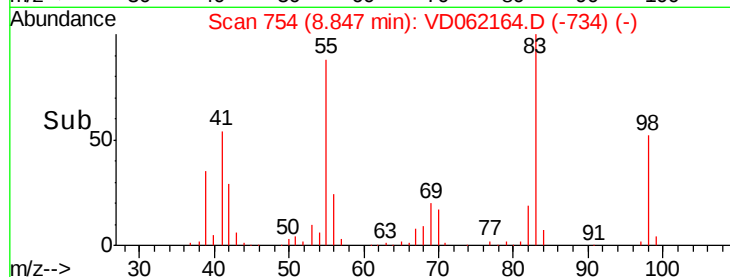
83 100

55 87.9 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: 57.866 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD062164.D

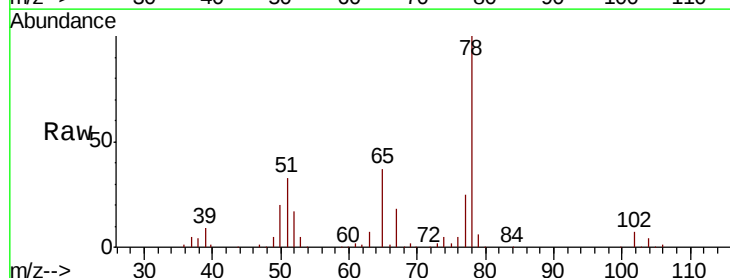
Acq: 8 May 2019 10:18

Tgt Ion: 78 Resp: 1300128

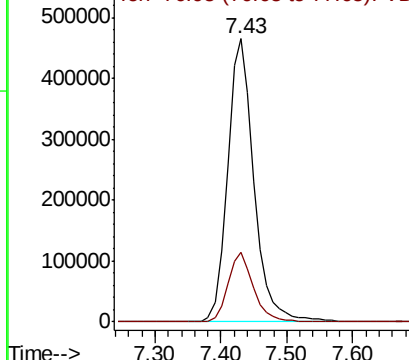
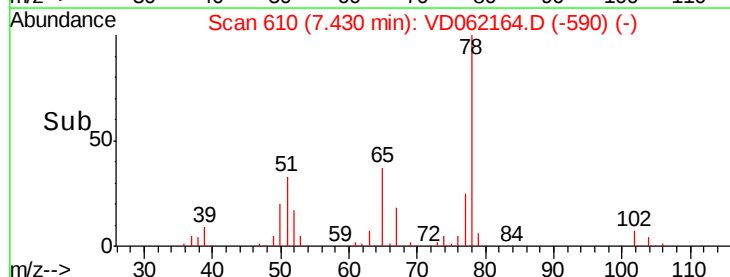
Ion Ratio Lower Upper

78 100

77 24.7 19.7 29.5



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

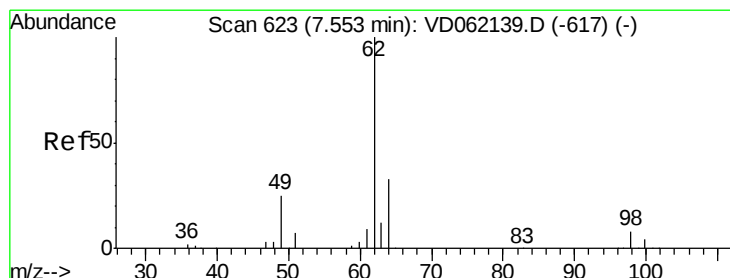
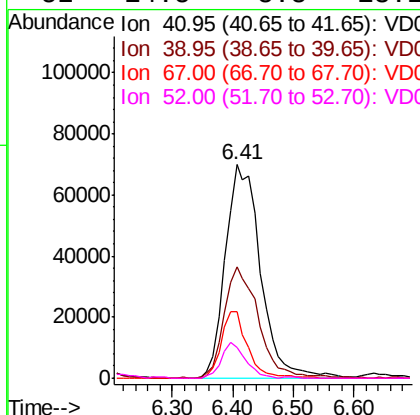
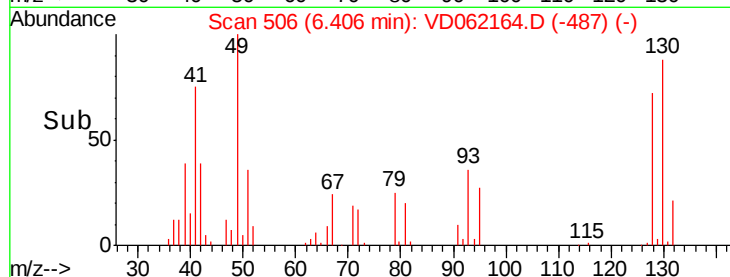
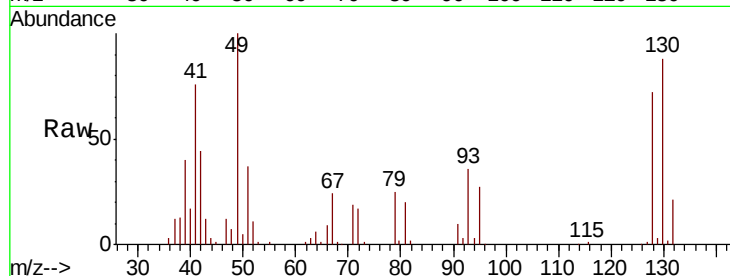




#41
Methacrylonitrile
Concen: 54.638 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

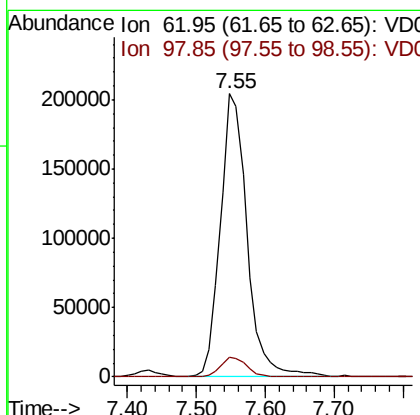
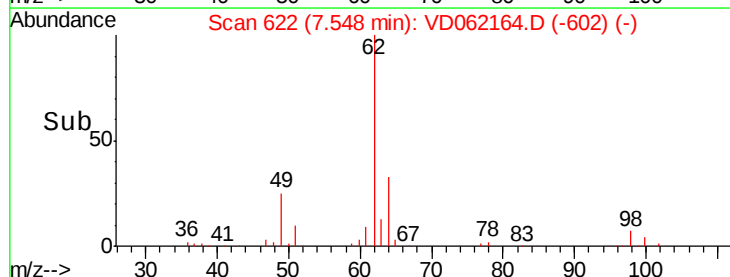
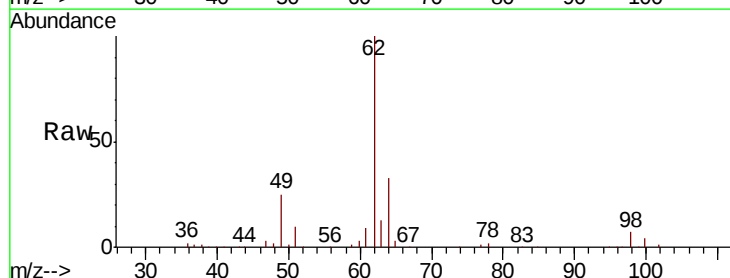
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

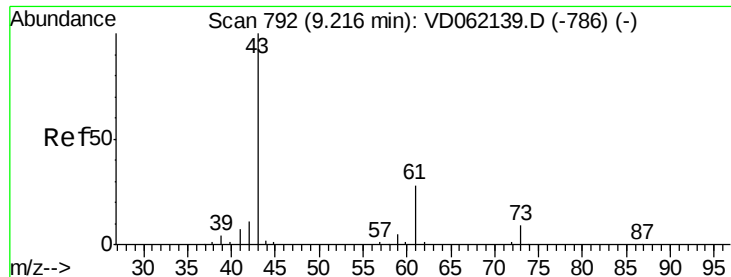
Tot Ion: 41 Resp: 281743
Ion Ratio Lower Upper
41 100
39 52.4 34.1 51.1#
67 31.3 23.8 35.6
52 14.5 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 57.384 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 62 Resp: 546261
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 53.810 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

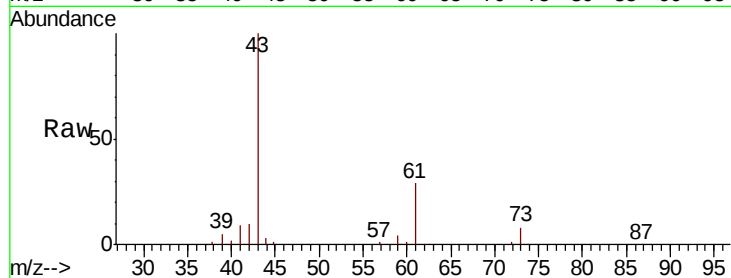
Tot Ion: 43 Resp: 322016

Ion Ratio Lower Upper

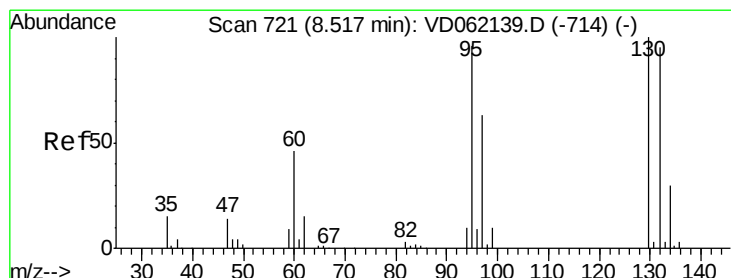
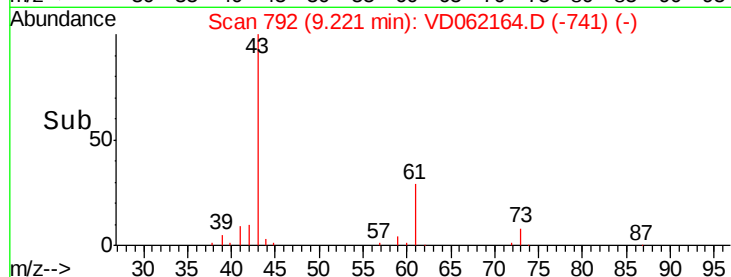
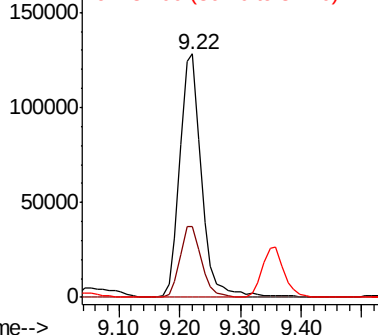
43 100

61 29.2 25.1 37.7

87 0.4 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.835 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.00 min

Lab File: VD062164.D

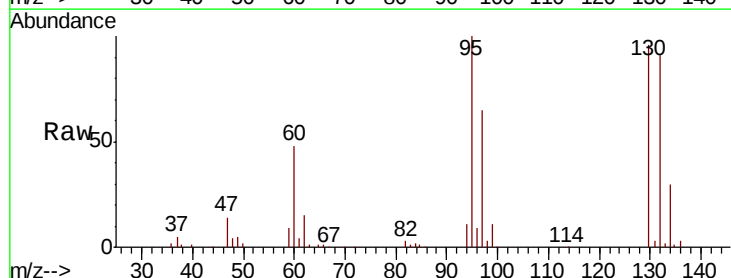
Acq: 8 May 2019 10:18

Tgt Ion:130 Resp: 469470

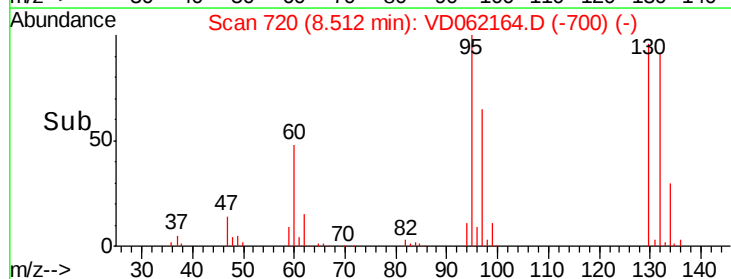
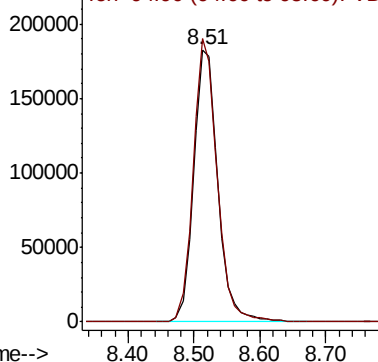
Ion Ratio Lower Upper

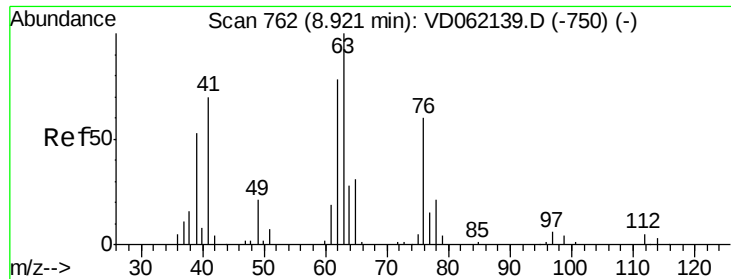
130 100

95 104.0 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 59.279 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

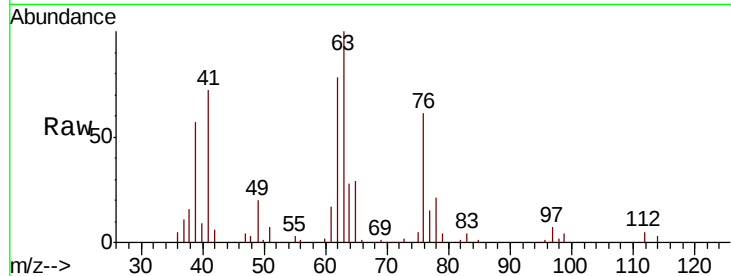
VSTDCCC050

Tot Ion: 63 Resp: 329441

Ion Ratio Lower Upper

63 100

65 29.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

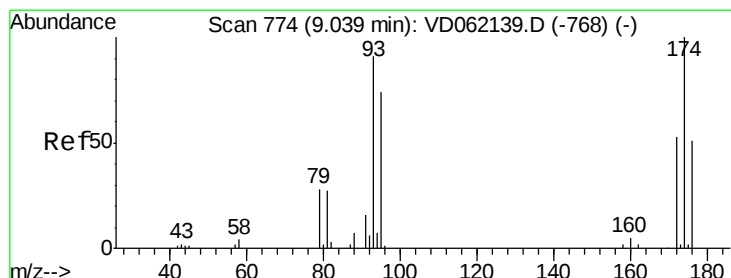
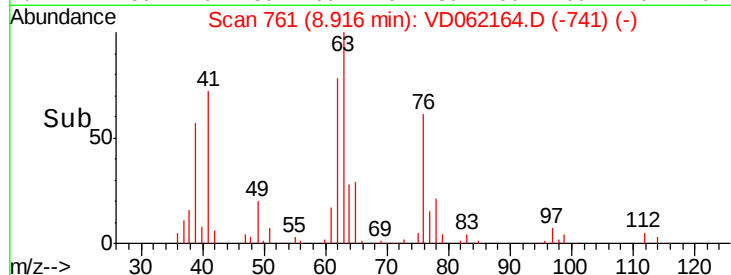
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 55.648 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

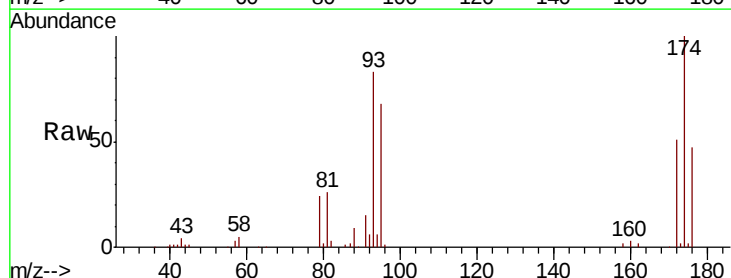
Tgt Ion: 93 Resp: 251488

Ion Ratio Lower Upper

93 100

95 81.5 64.8 97.2

174 120.1 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

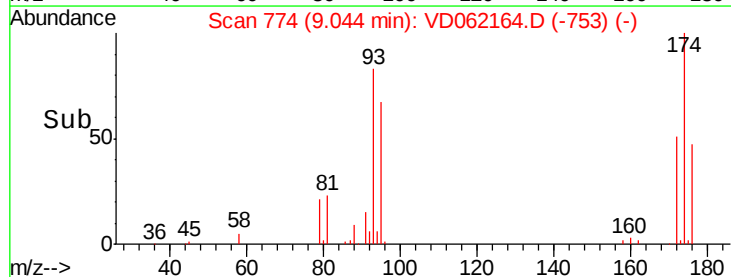
150000

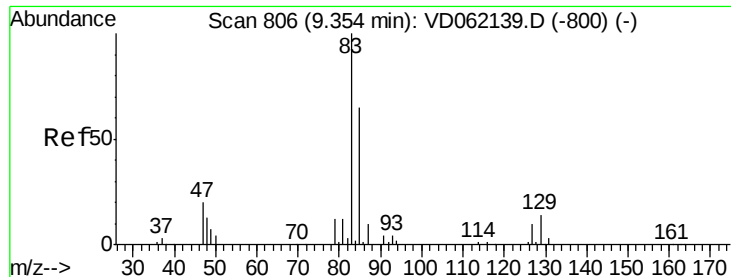
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.543 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

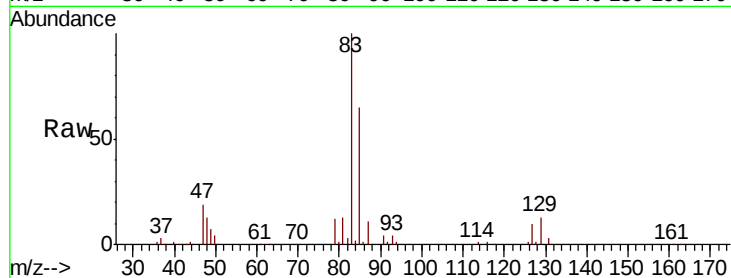
Tot Ion: 83 Resp: 602935

Ion Ratio Lower Upper

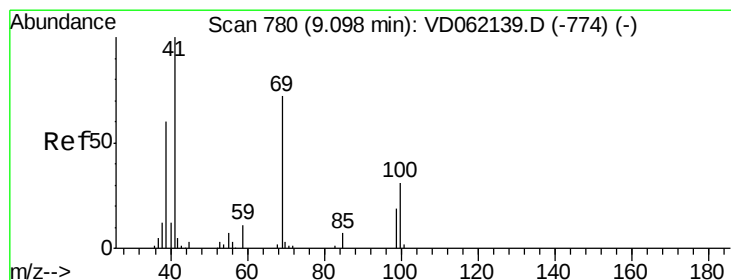
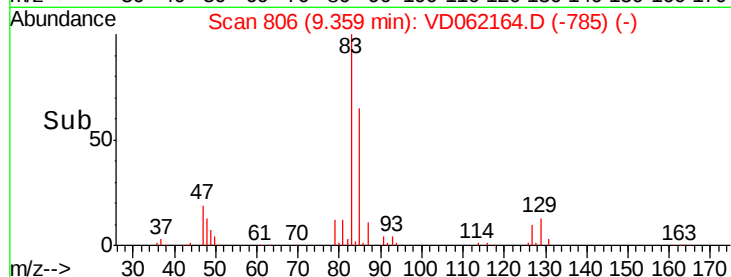
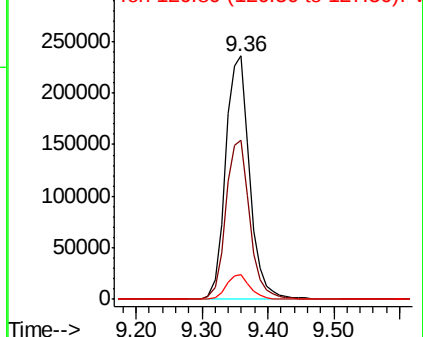
83 100

85 65.4 50.9 76.3

127 10.2 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: 53.852 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

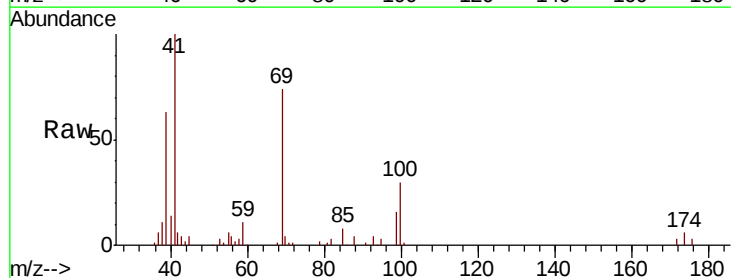
Tgt Ion: 41 Resp: 198506

Ion Ratio Lower Upper

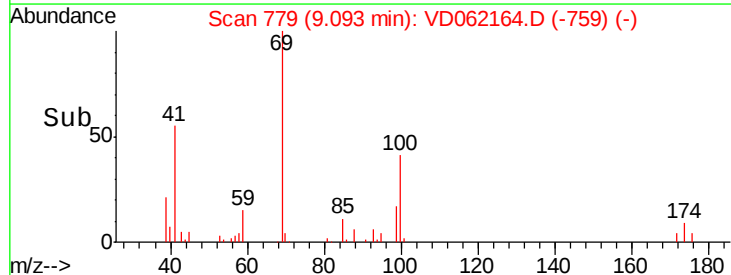
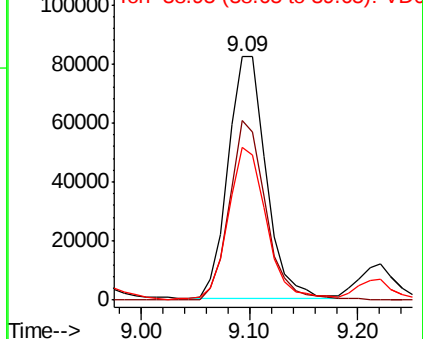
41 100

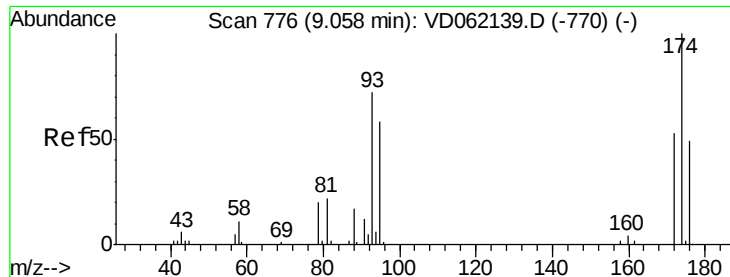
69 73.9 64.2 96.2

39 62.6 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

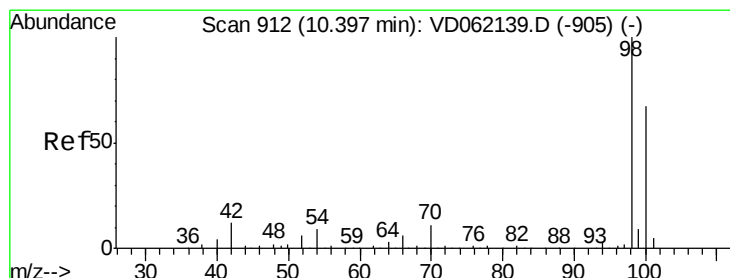
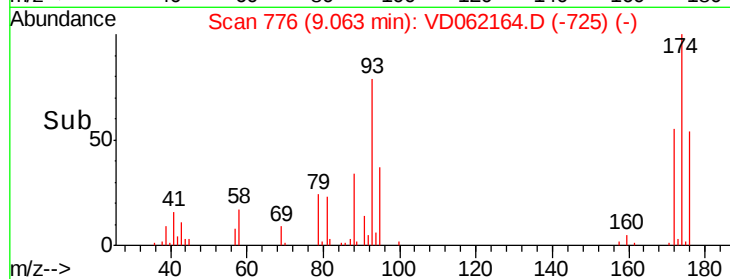
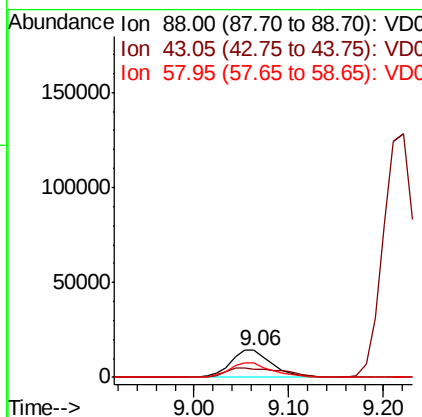
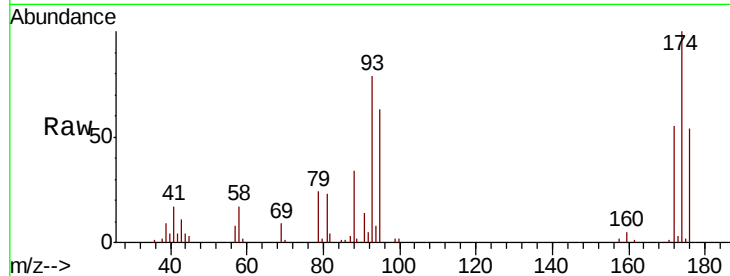




#49
1,4-Dioxane
Concen: 1077.331 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

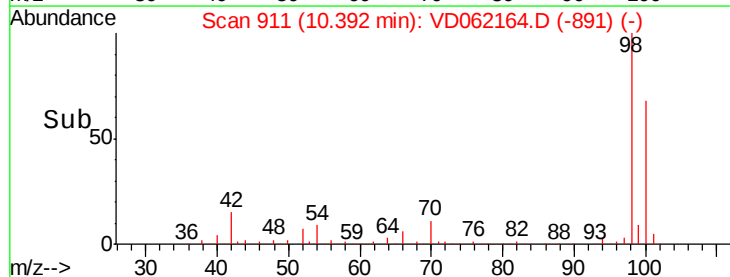
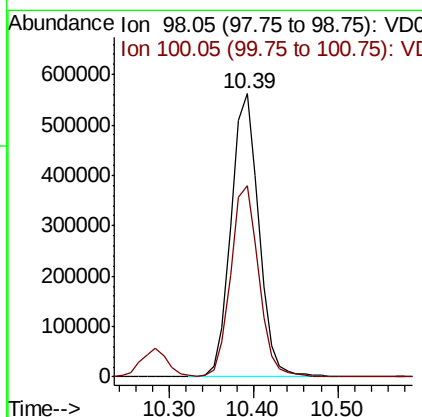
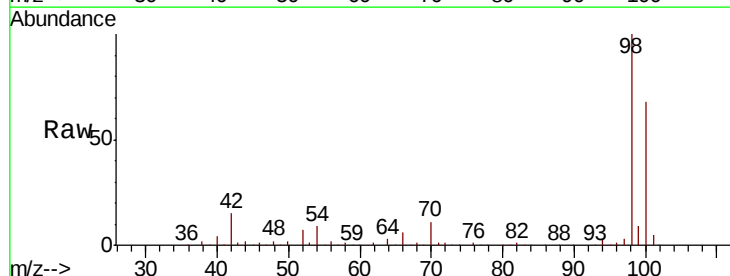
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

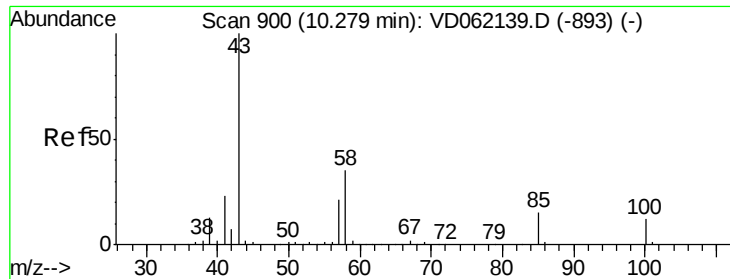
Tot Ion: 88 Resp: 42847
Ion Ratio Lower Upper
88 100
43 31.6 23.4 35.0
58 51.5 44.0 66.0



#50
Toluene-d8
Concen: 53.100 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 98 Resp: 1289111
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 273.515 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

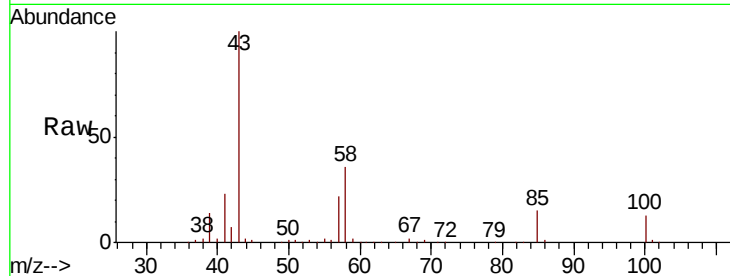
VSTDCCC050

Tot Ion: 43 Resp: 1052155

Ion Ratio Lower Upper

43 100

58 36.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

400000

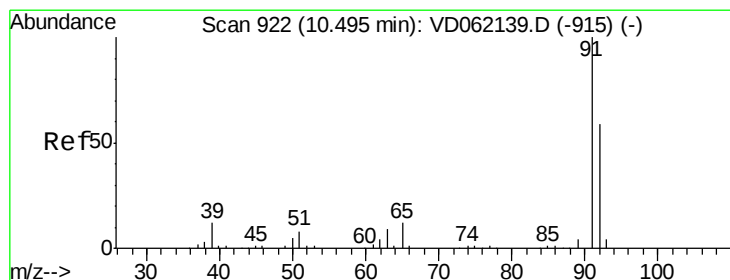
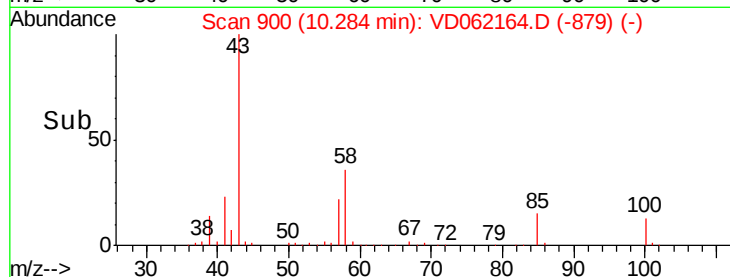
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.312 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD062164.D

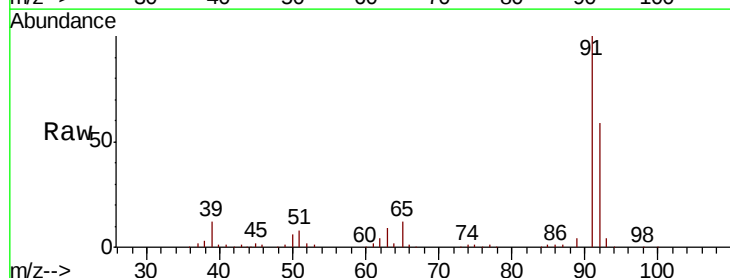
Acq: 8 May 2019 10:18

Tgt Ion: 92 Resp: 779343

Ion Ratio Lower Upper

92 100

91 170.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

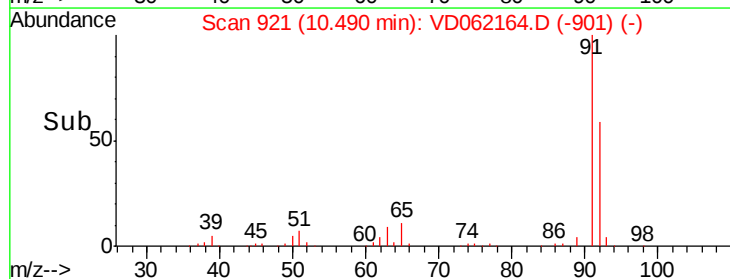
600000

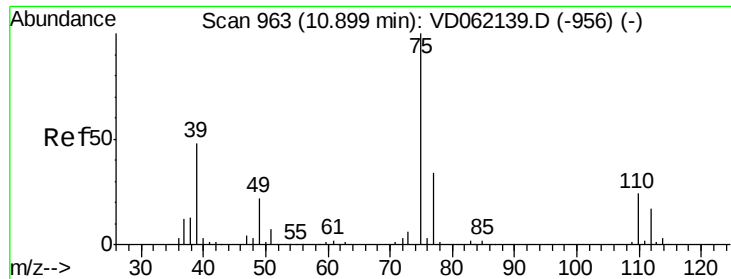
400000

200000

0

Time-->

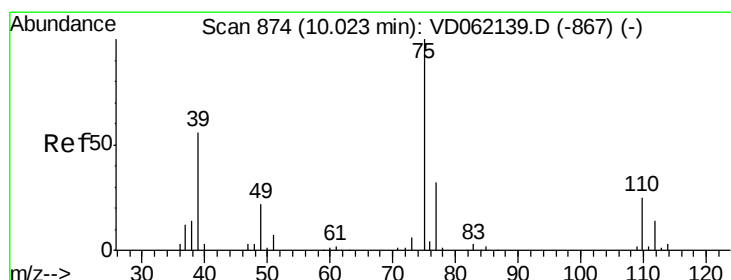
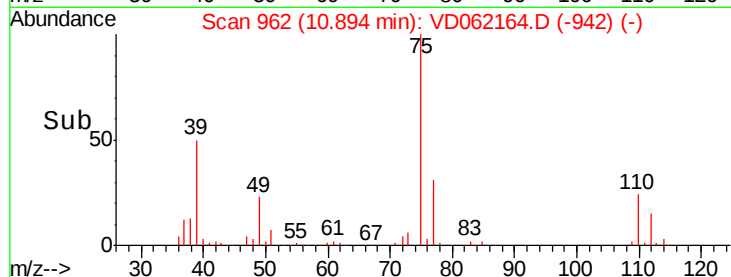
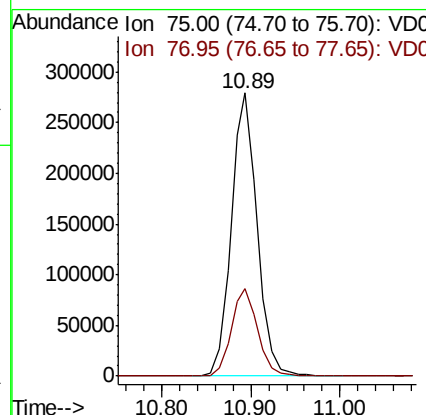
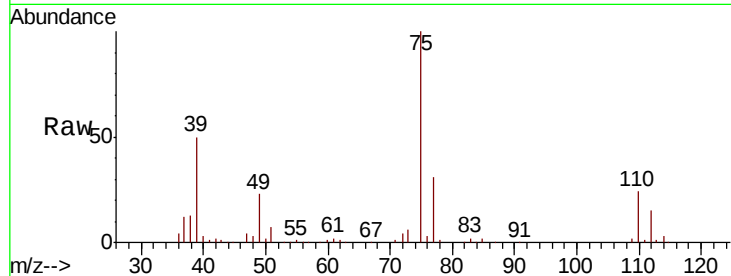




#53
 t-1,3-Dichloropropene
 Concen: 59.558 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

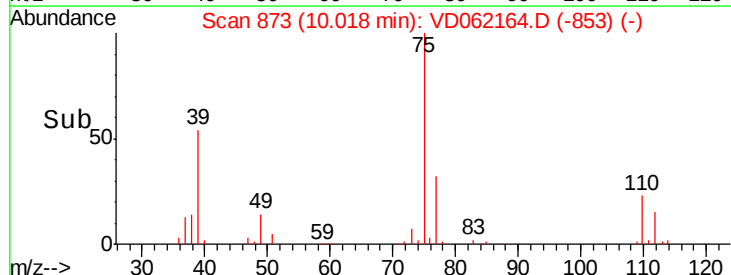
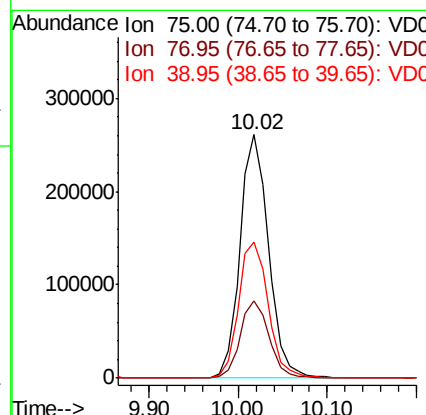
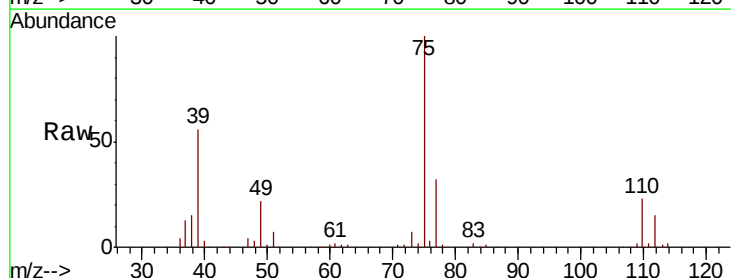
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

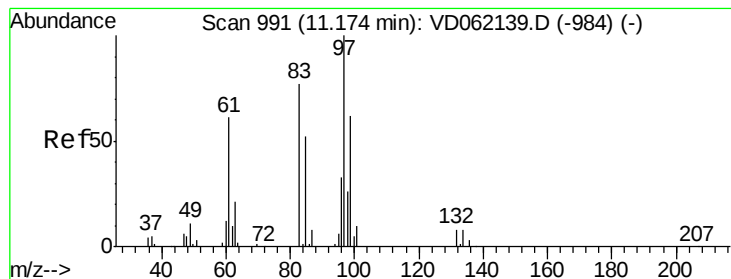
Tot Ion: 75 Resp: 569020
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.981 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 75 Resp: 583475
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 55.9 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 51.804 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 267950

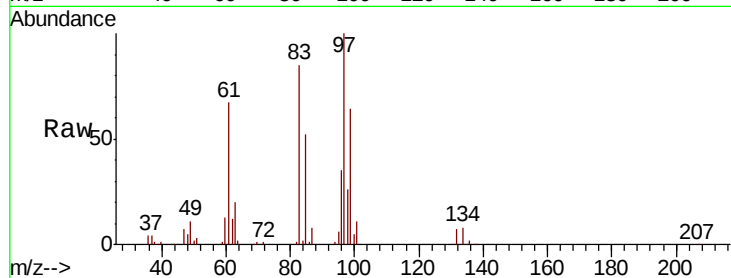
Ion Ratio Lower Upper

97 100

83 85.1 65.7 98.5

85 51.5 45.6 68.4

99 64.2 48.4 72.6

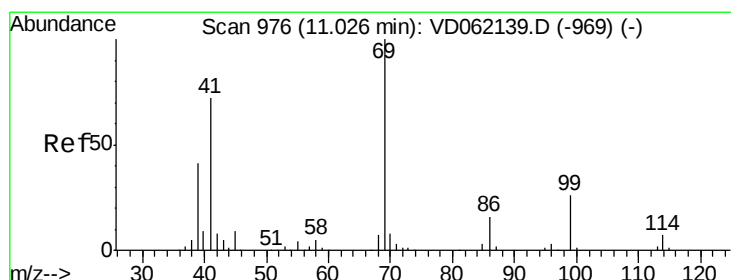
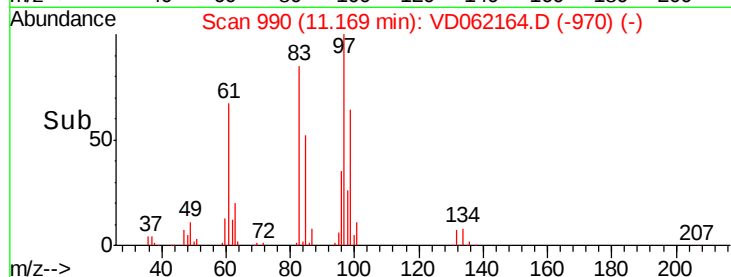
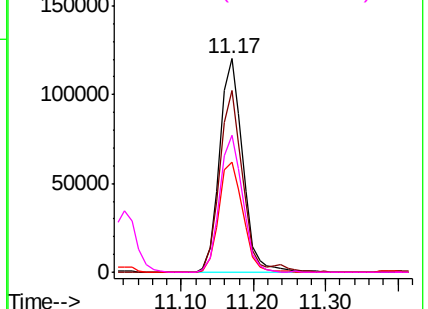


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 56.998 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

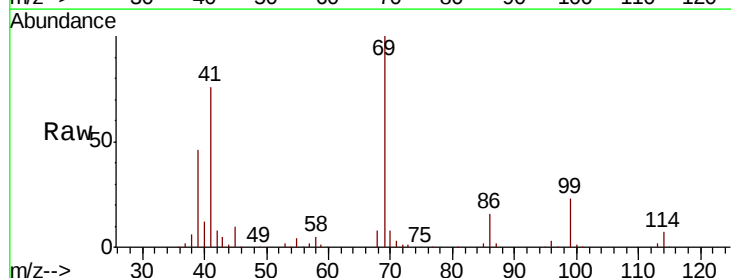
Tgt Ion: 69 Resp: 306356

Ion Ratio Lower Upper

69 100

41 76.4 56.3 84.5

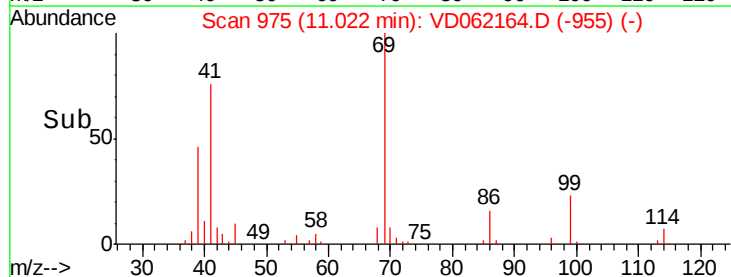
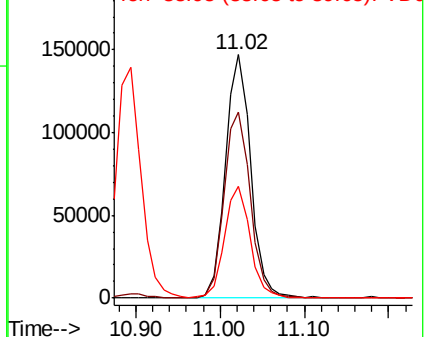
39 45.7 29.4 44.2#

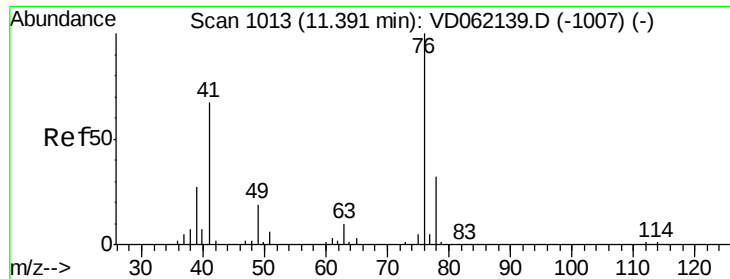


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

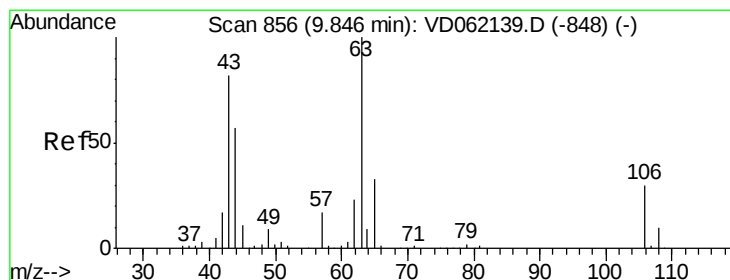
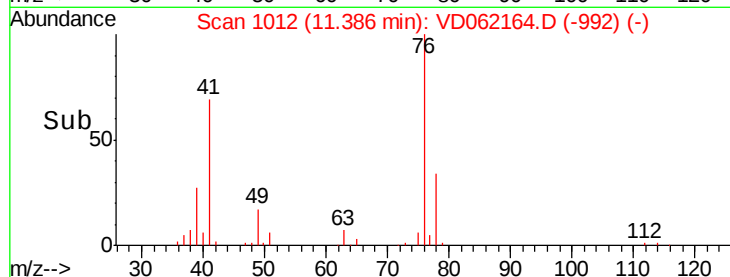
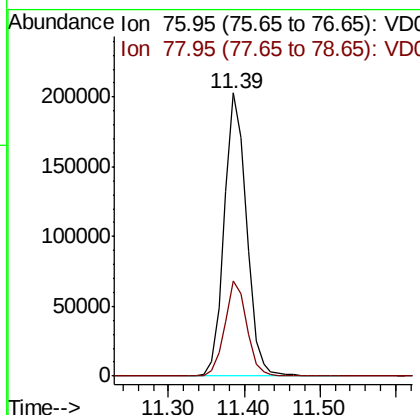
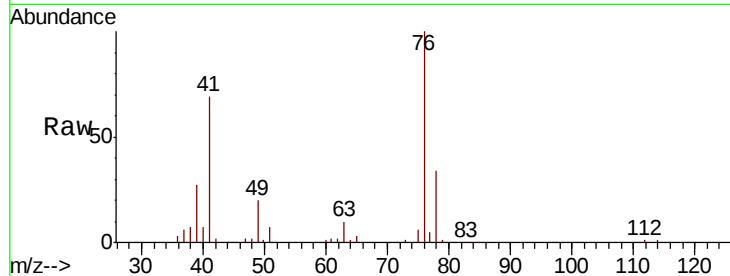




#57
 1,3-Dichloropropane
 Concen: 52.920 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

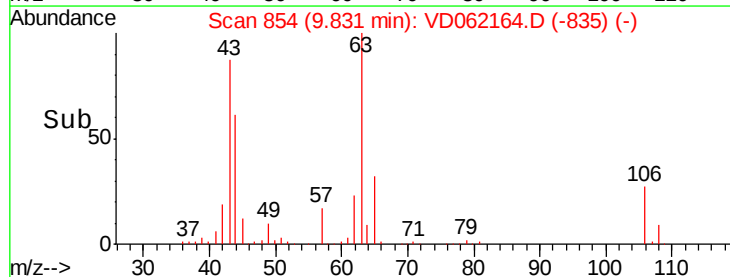
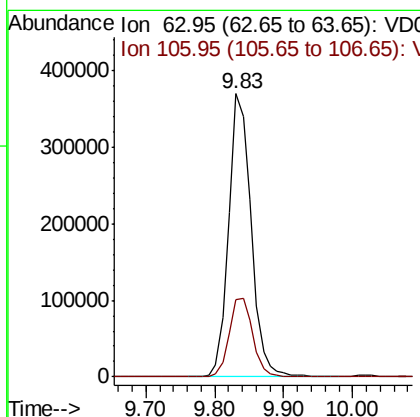
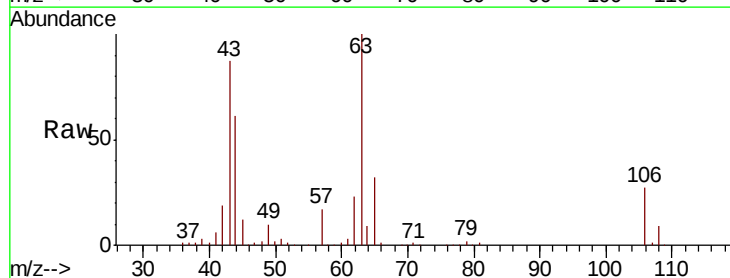
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 413529
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.244 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 63 Resp: 834527
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.6 34.0

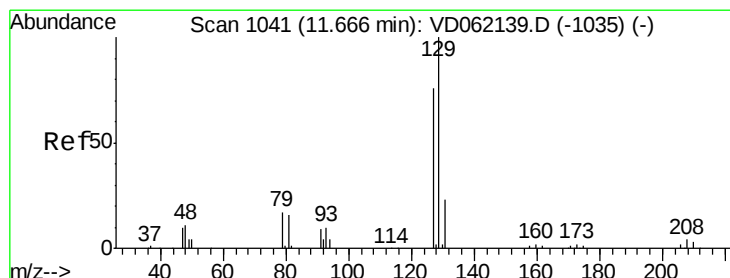
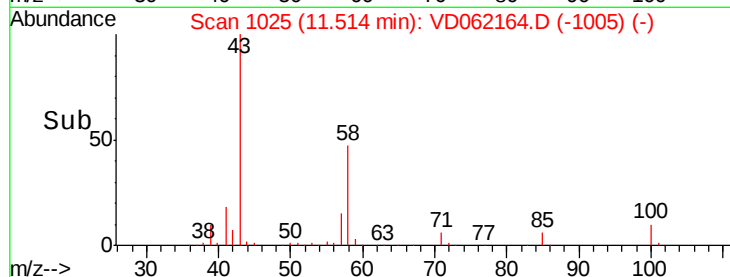
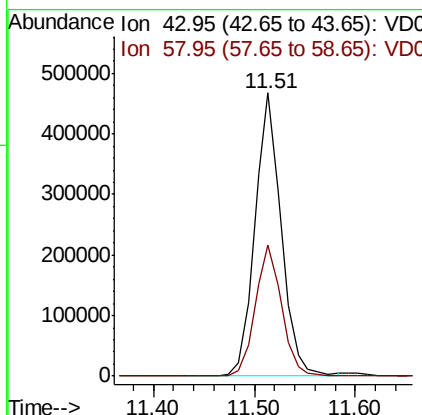
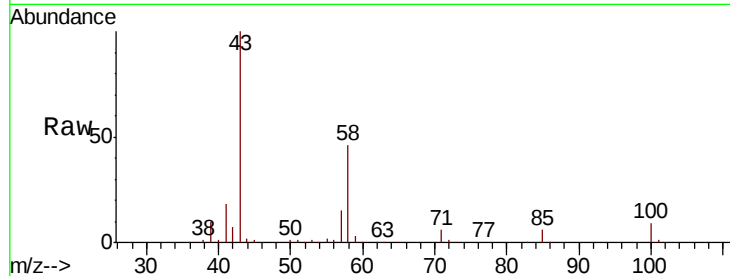




#59
2-Hexanone
Concen: 298.711 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

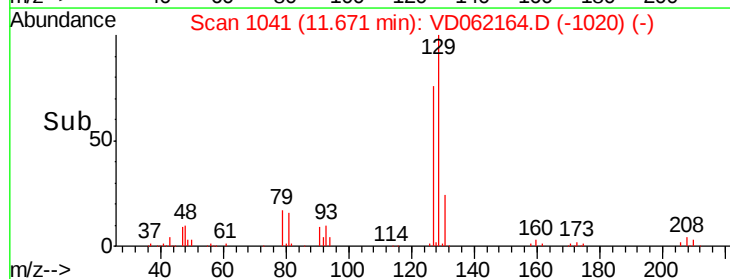
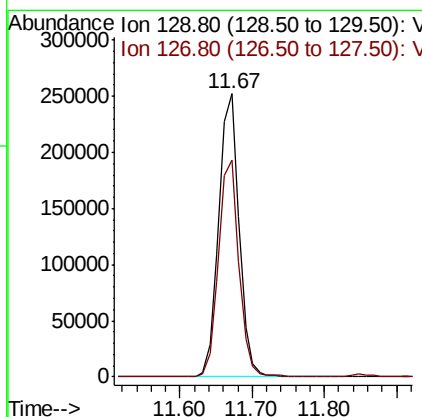
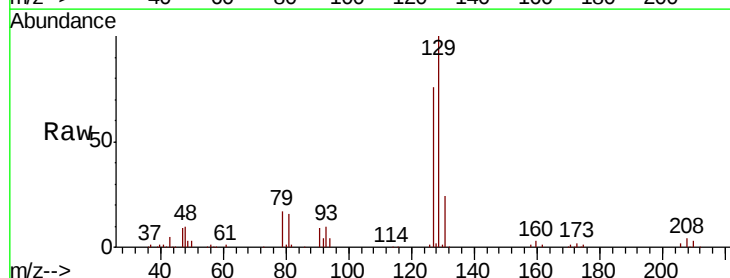
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 846916
Ion Ratio Lower Upper
43 100
58 46.4 25.4 76.4



#60
Dibromochloromethane
Concen: 54.897 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion: 129 Resp: 490724
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

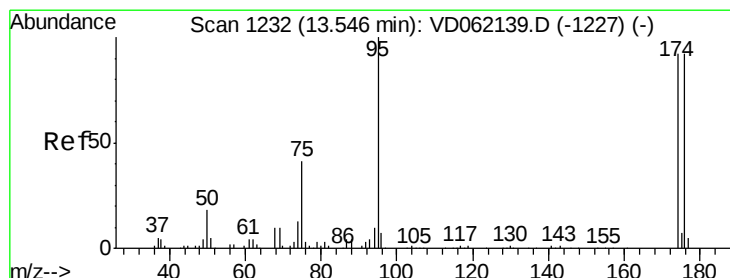
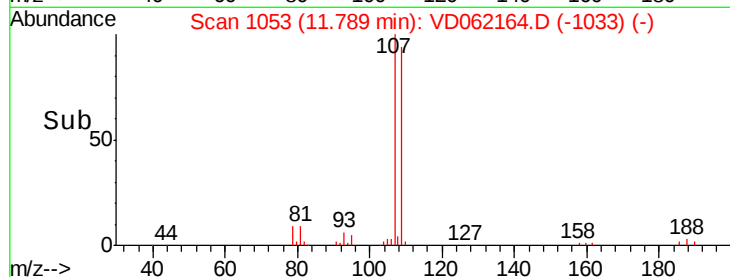
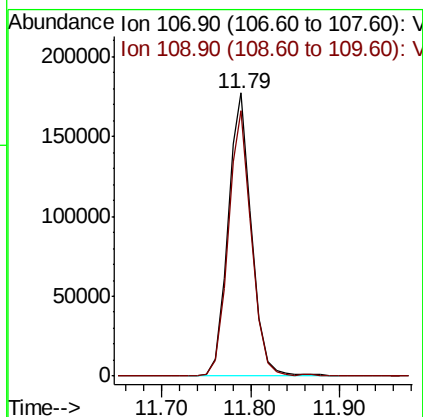
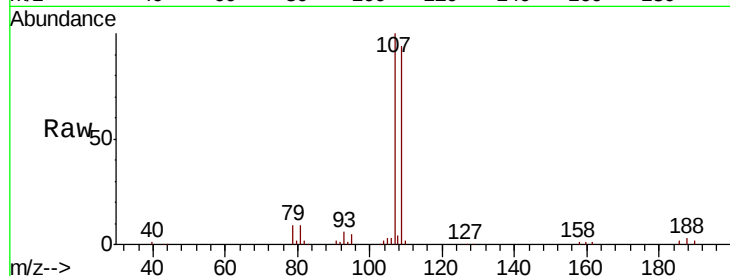




#61
 1,2-Dibromoethane
 Concen: 52.052 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

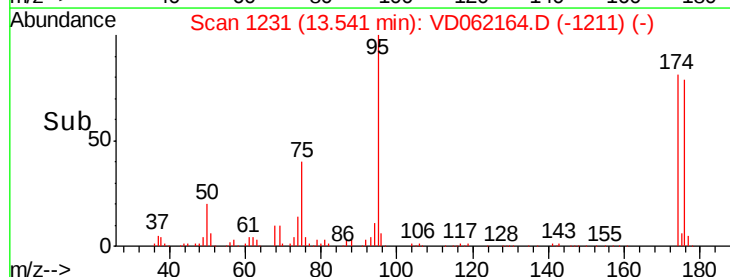
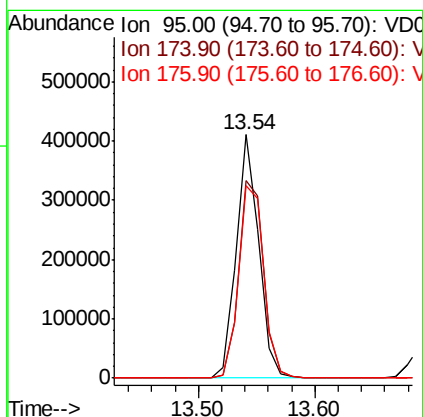
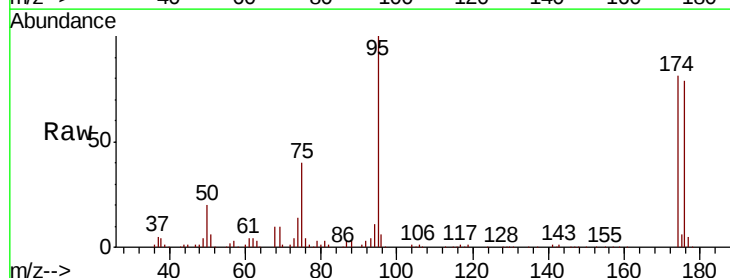
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 327327
 Ion Ratio Lower Upper
 107 100
 109 93.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 56.047 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 95 Resp: 546381
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 181.8
 176 79.0 0.0 174.4

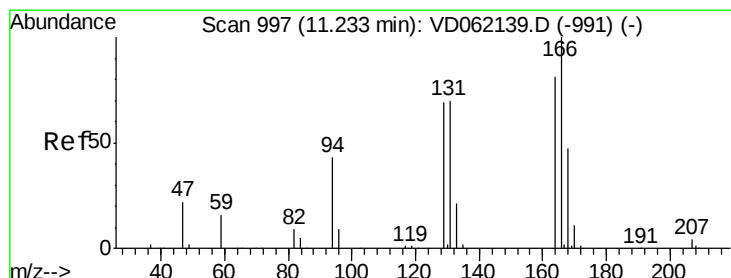
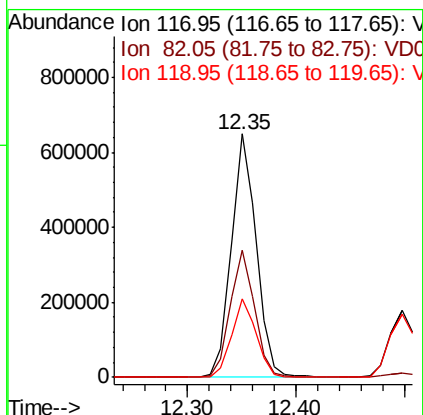
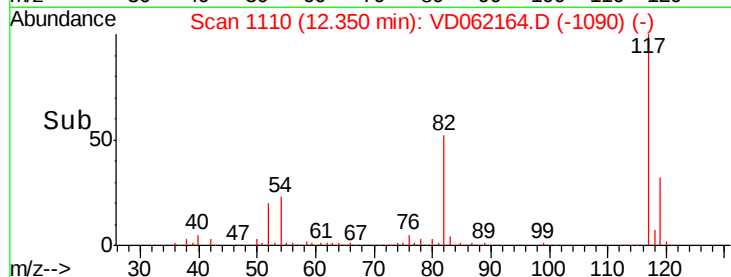
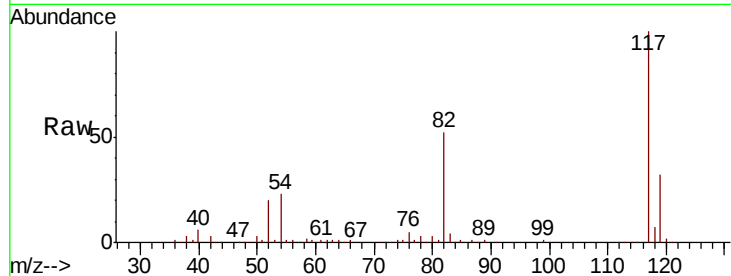




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

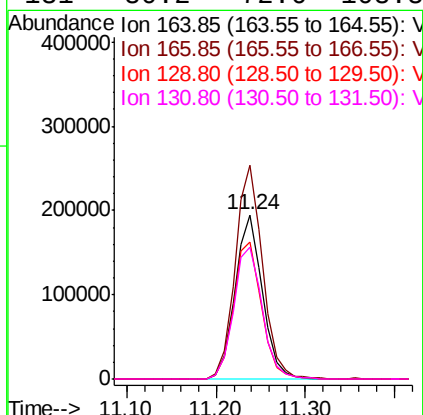
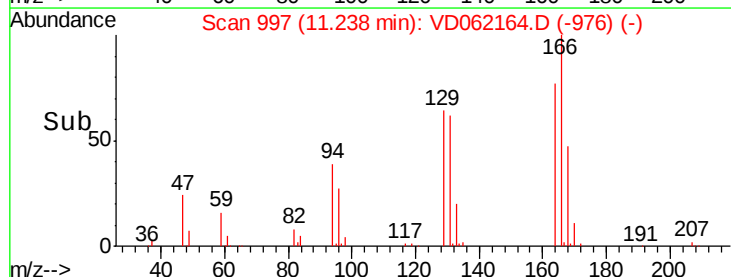
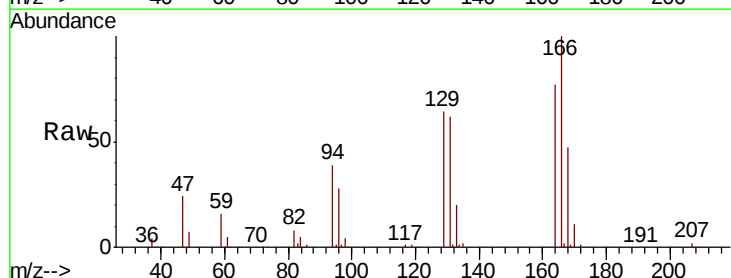
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

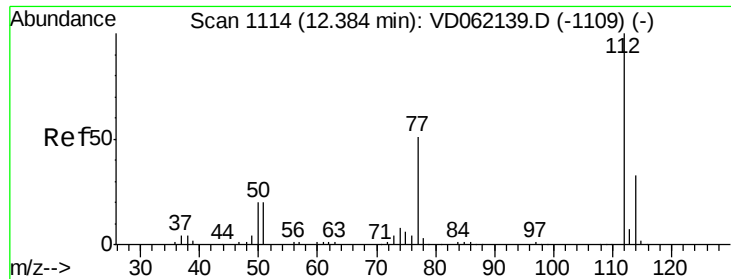
Tot Ion:117 Resp: 1042884
Ion Ratio Lower Upper
117 100
82 52.0 36.2 54.2
119 32.2 26.2 39.4



#64
Tetrachloroethene
Concen: 51.018 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:164 Resp: 416047
Ion Ratio Lower Upper
164 100
166 130.3 101.5 152.3
129 83.8 74.6 112.0
131 80.2 72.6 108.8

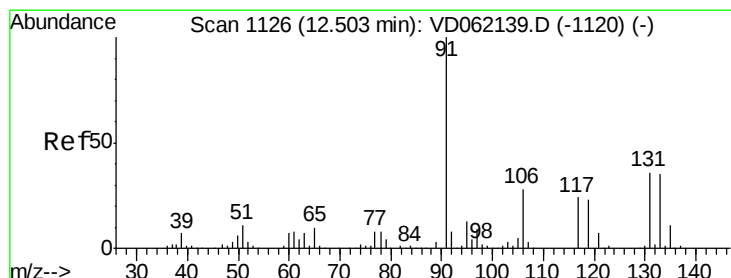
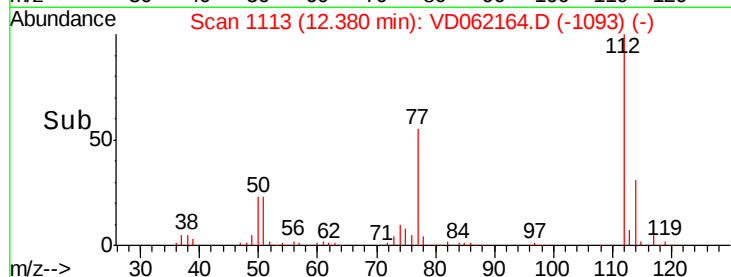
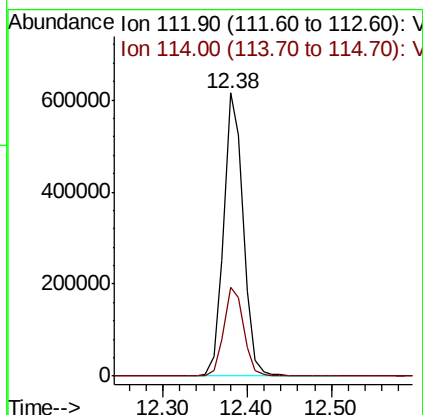
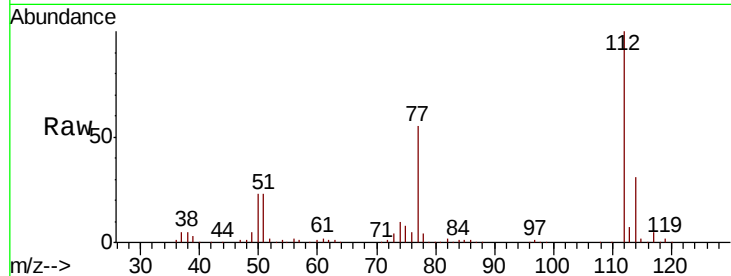




#65
Chlorobenzene
Concen: 50.971 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

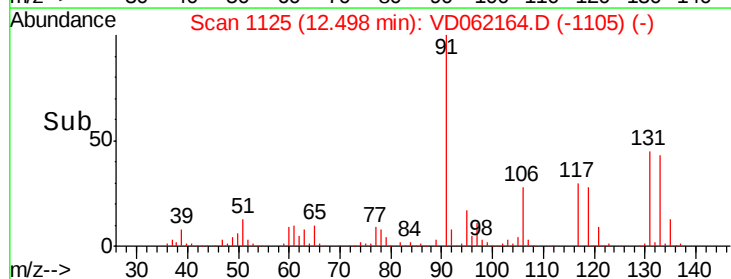
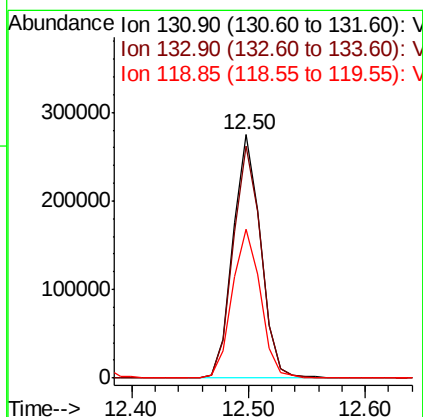
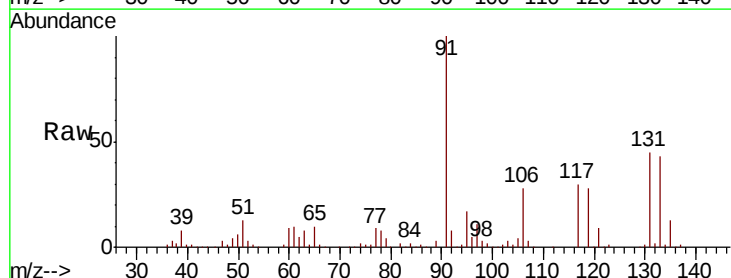
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 990070
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.436 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:131 Resp: 451727
Ion Ratio Lower Upper
131 100
133 95.2 48.6 145.8
119 61.0 34.7 104.1

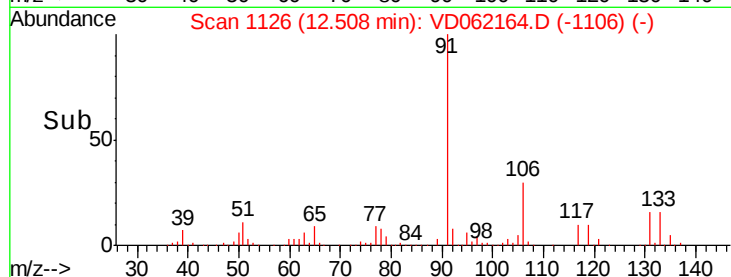
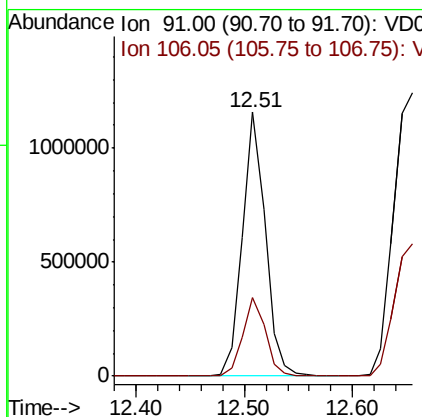
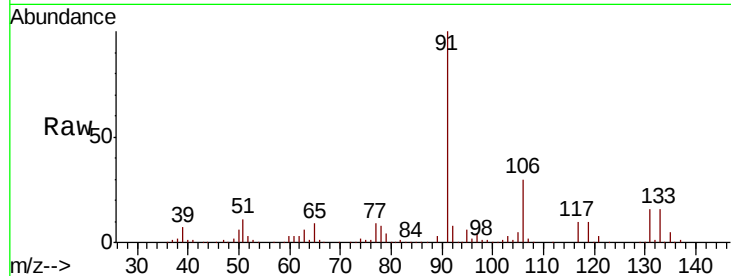




#67
Ethyl Benzene
Concen: 52.782 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

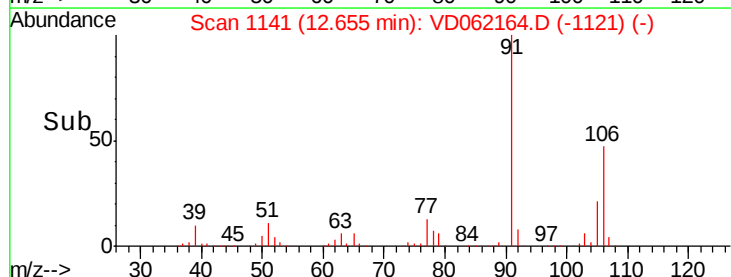
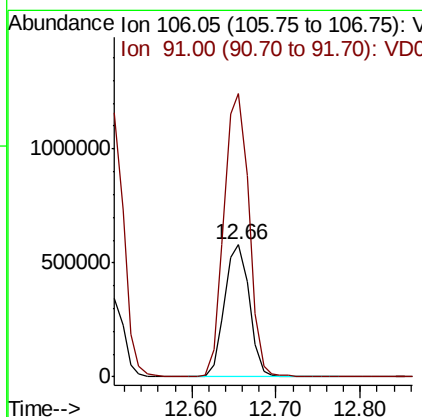
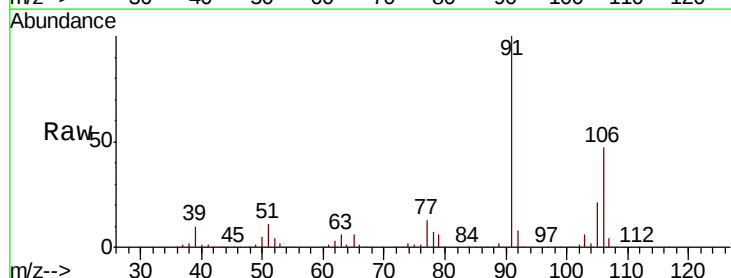
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1716414
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 100.339 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:106 Resp: 1187120
Ion Ratio Lower Upper
106 100
91 214.2 164.0 246.0

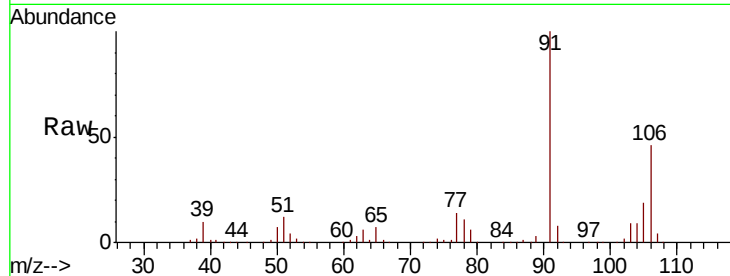




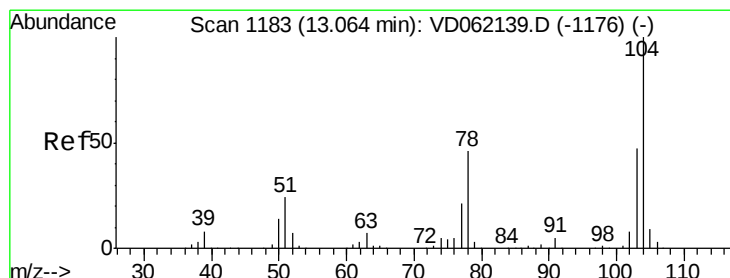
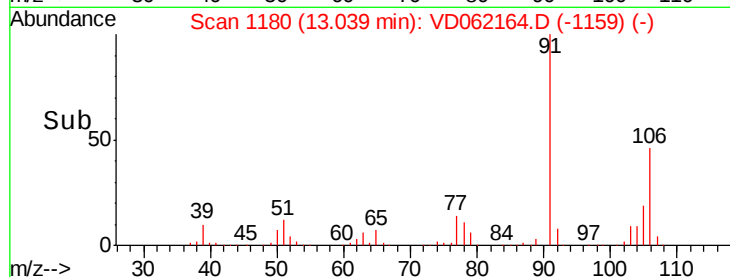
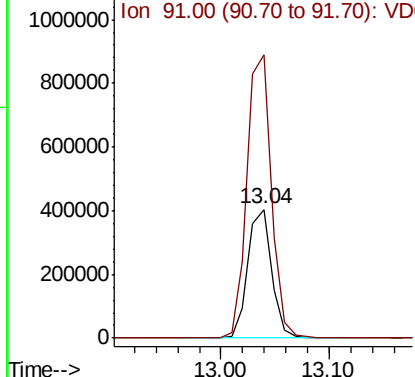
#69
o-Xylene
Concen: 56.287 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 619117
Ion Ratio Lower Upper
106 100
91 219.4 106.7 319.9

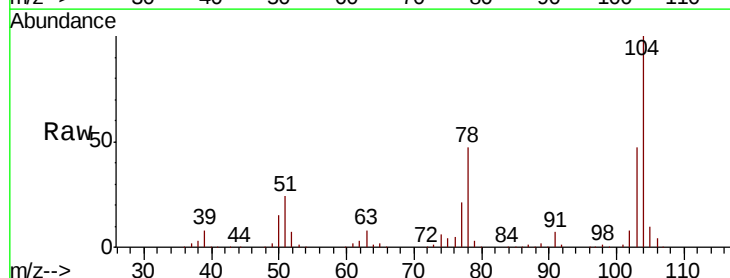


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

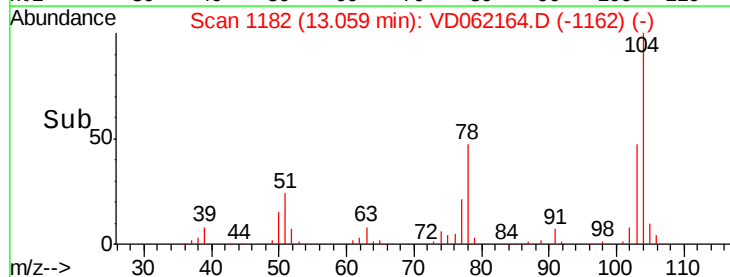
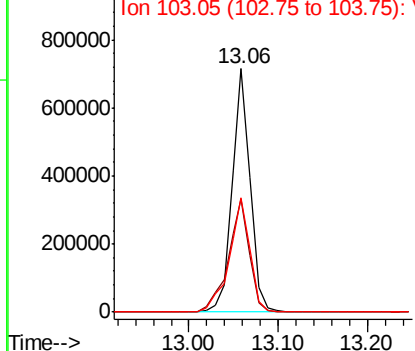


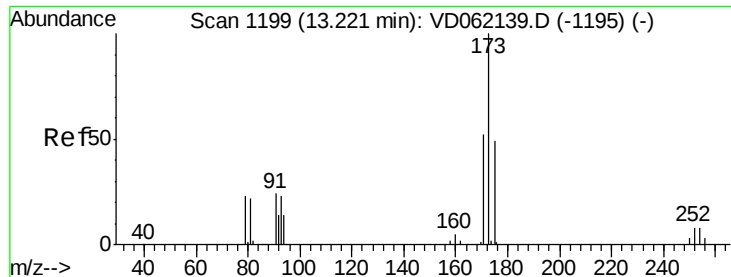
#70
Styrene
Concen: 54.497 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:104 Resp: 1015438
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 47.2 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

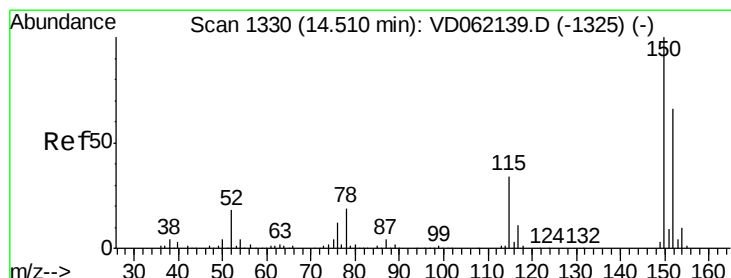
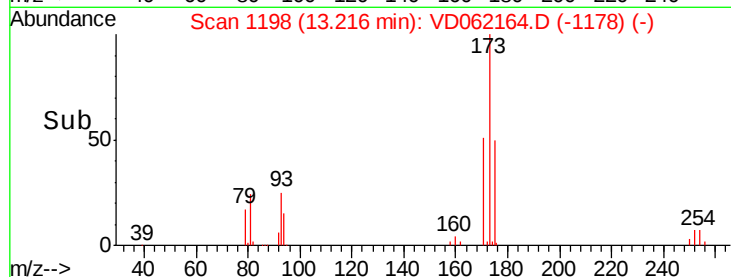
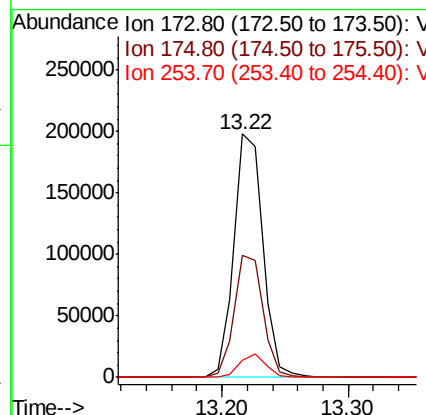
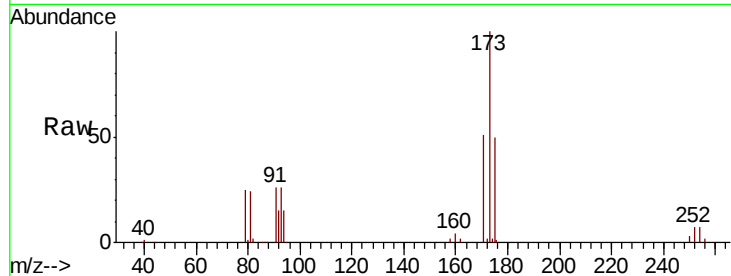




#71
Bromoform
Concen: 53.057 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

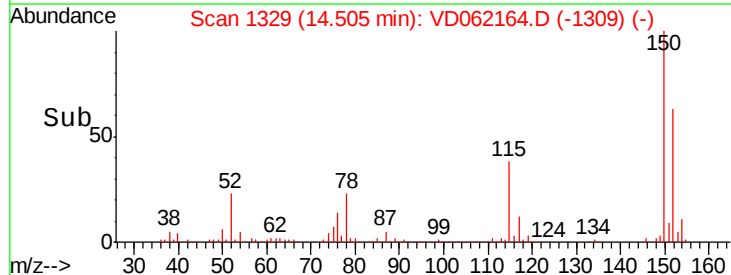
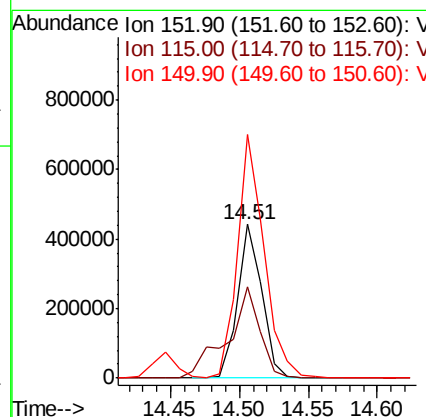
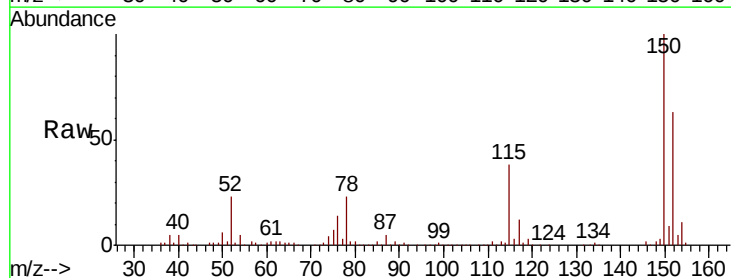
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

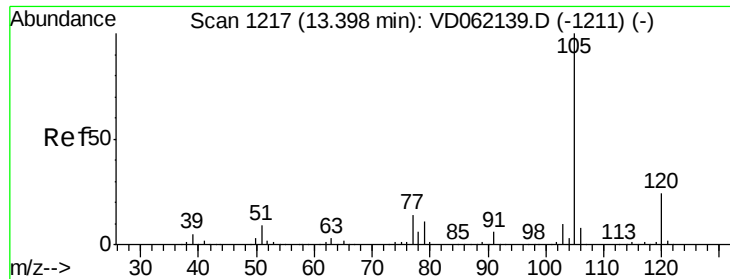
Tot Ion:173 Resp: 312052
Ion Ratio Lower Upper
173 100
175 50.0 24.4 73.4
254 6.8 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:152 Resp: 541961
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.7
150 158.2 0.0 314.8





#73

Isopropylbenzene

Concen: 54.080 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

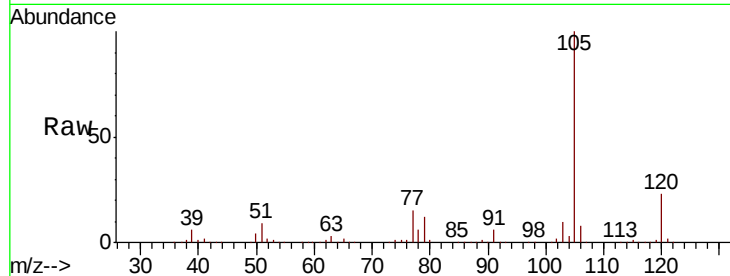
VSTDCCC050

Tot Ion:105 Resp: 1756891

Ion Ratio Lower Upper

105 100

120 23.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

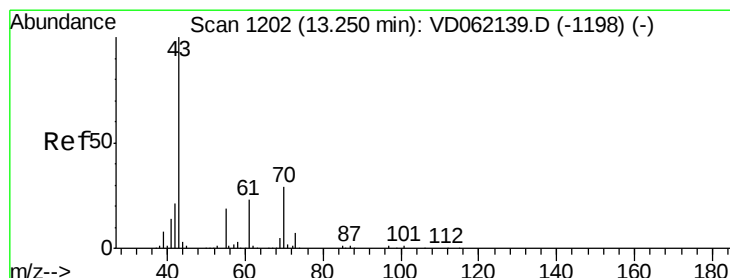
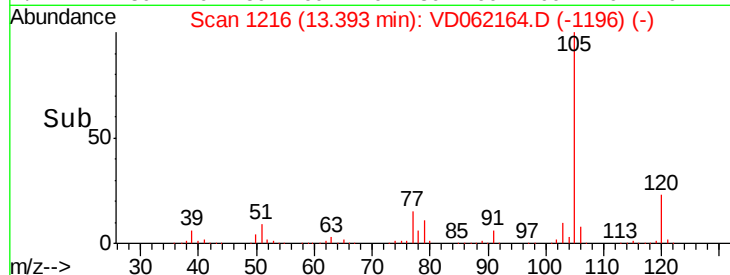
13.39

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 53.107 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Tgt Ion: 43 Resp: 452331

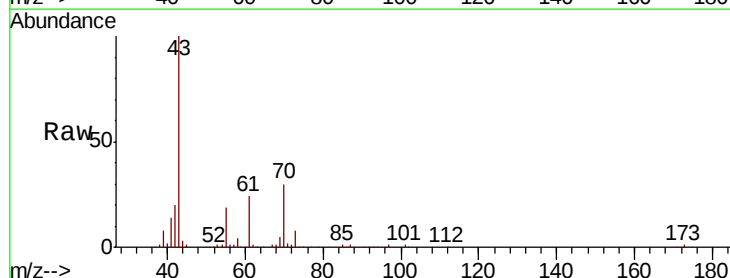
Ion Ratio Lower Upper

43 100

70 30.0 24.2 36.4

55 18.6 16.0 24.0

61 24.1 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

13.26

500000

400000

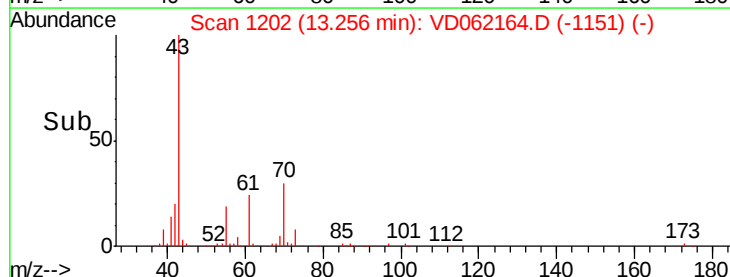
300000

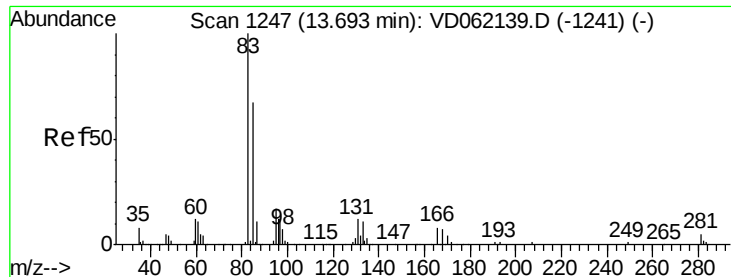
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.411 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

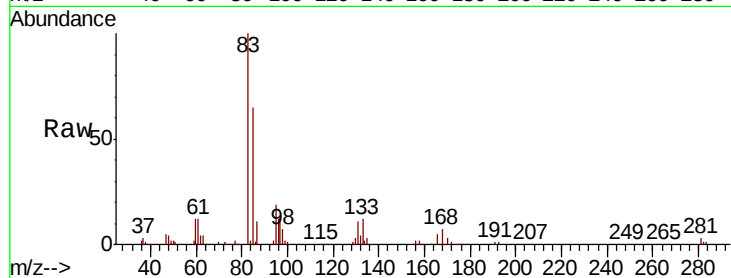
Tot Ion: 83 Resp: 322337

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	14.9
85	64.7	32.6	97.7

83 100

131 10.7 5.0 14.9

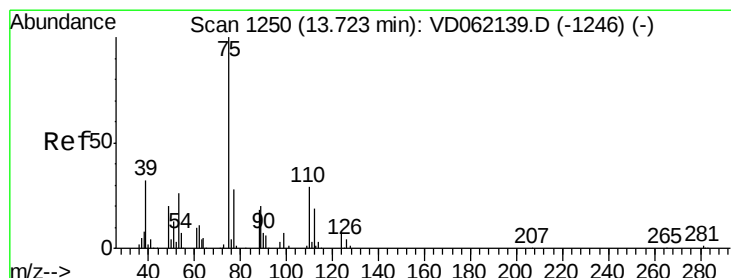
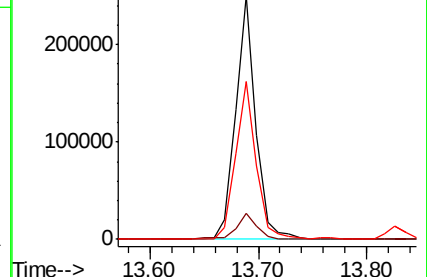
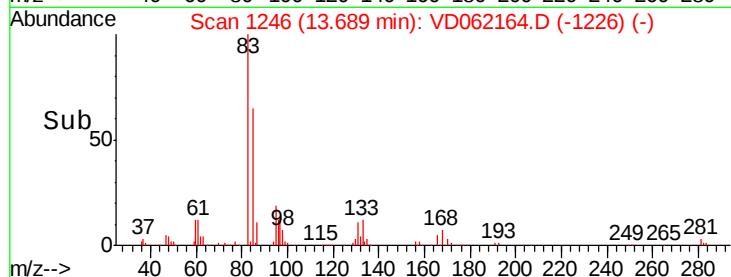
85 64.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.260 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD062164.D

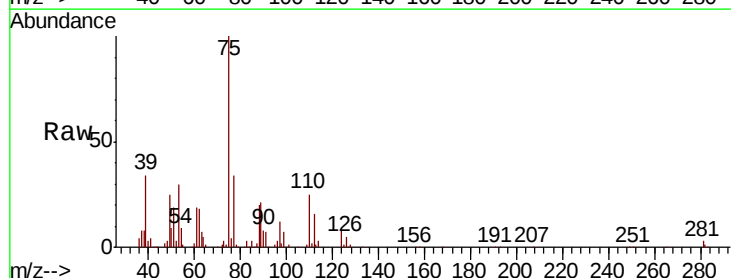
Acq: 8 May 2019 10:18

Tgt Ion: 75 Resp: 336593

Ion	Ratio	Lower	Upper
75	100		
77	33.9	16.4	49.4

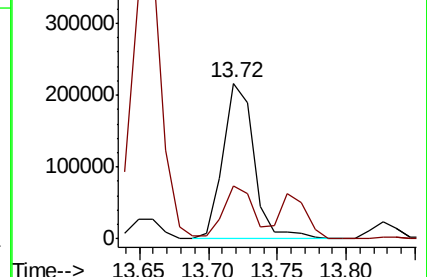
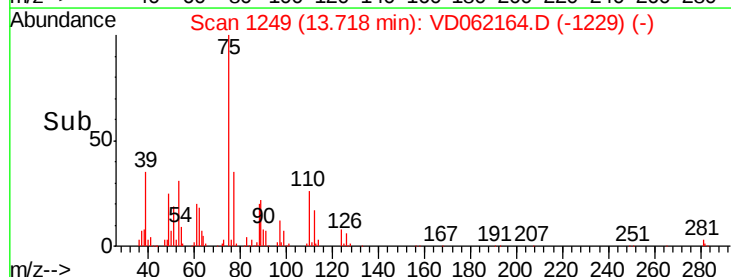
75 100

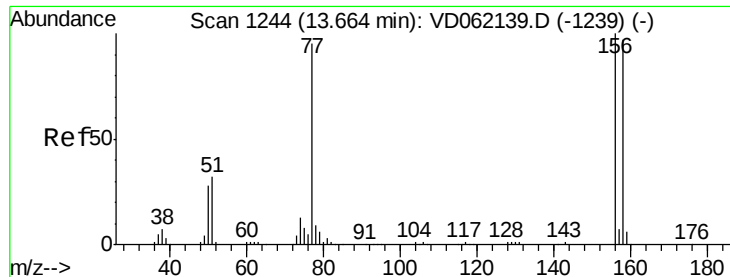
77 33.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.481 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

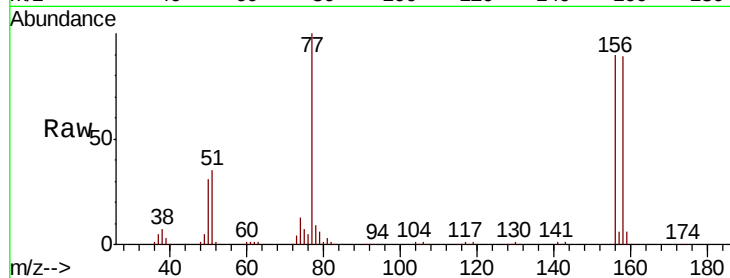
Tot Ion:156 Resp: 477276

Ion Ratio Lower Upper

156 100

77 111.1 53.1 159.4

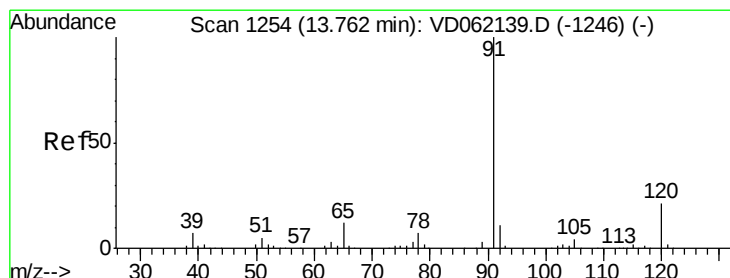
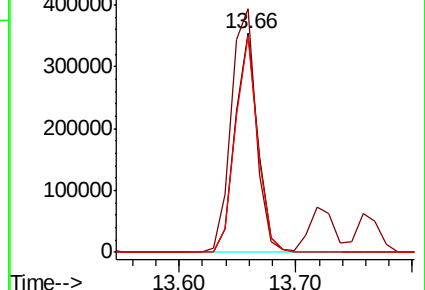
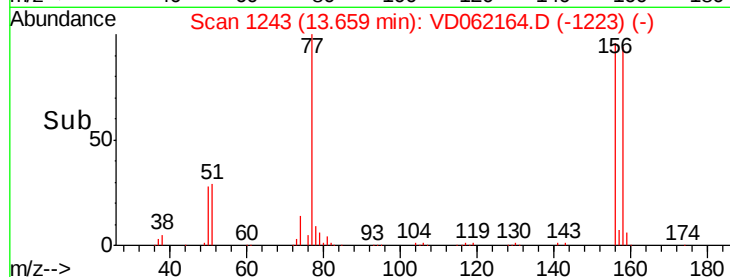
158 98.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.894 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD062164.D

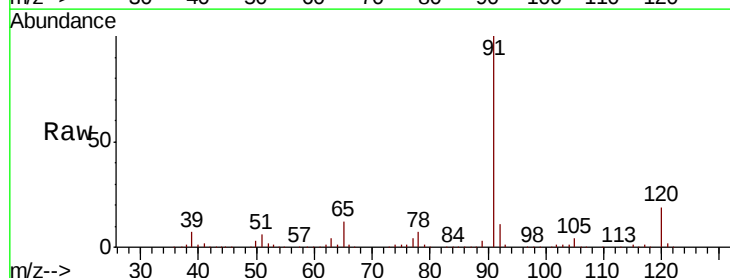
Acq: 8 May 2019 10:18

Tgt Ion: 91 Resp: 2127300

Ion Ratio Lower Upper

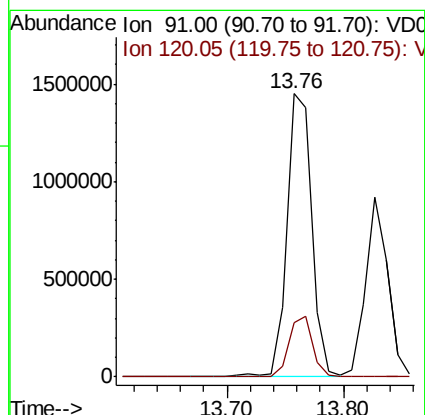
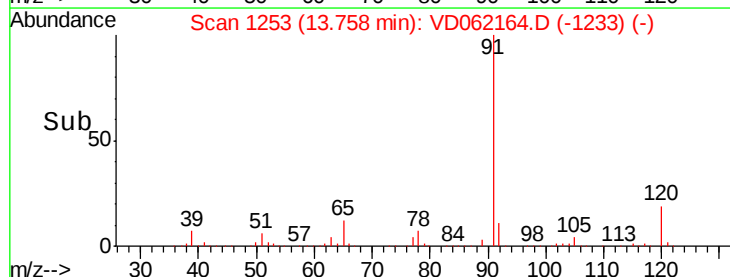
91 100

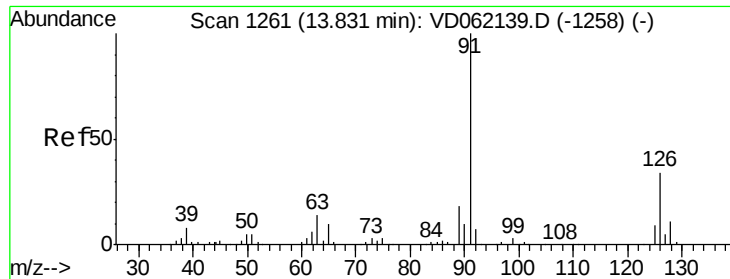
120 19.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.548 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

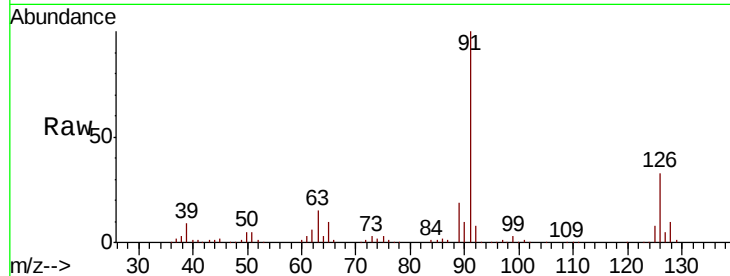
VSTDCCC050

Tot Ion: 91 Resp: 1210670

Ion Ratio Lower Upper

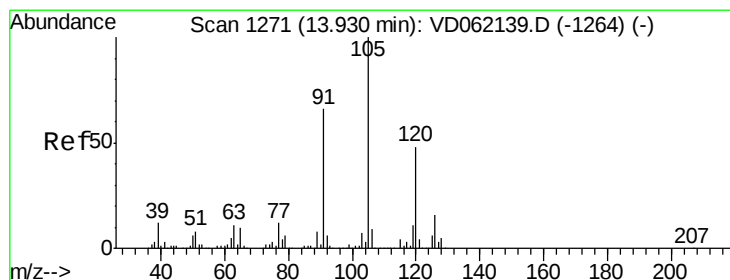
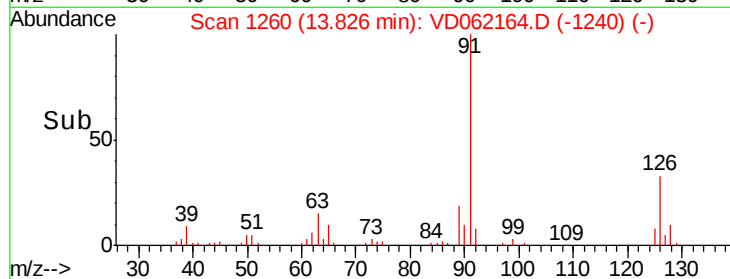
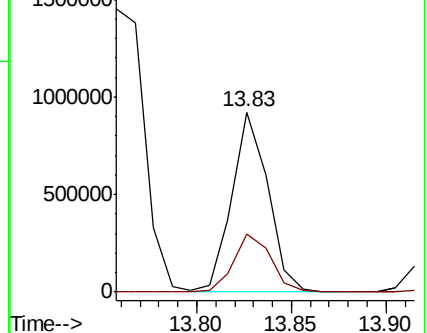
91 100

126 32.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.717 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062164.D

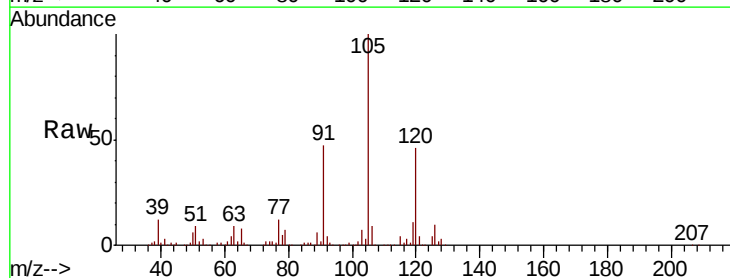
Acq: 8 May 2019 10:18

Tgt Ion:105 Resp: 1524232

Ion Ratio Lower Upper

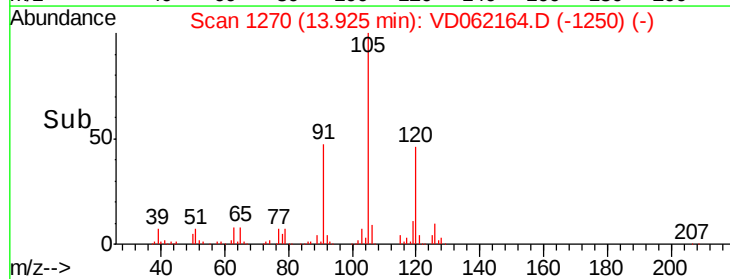
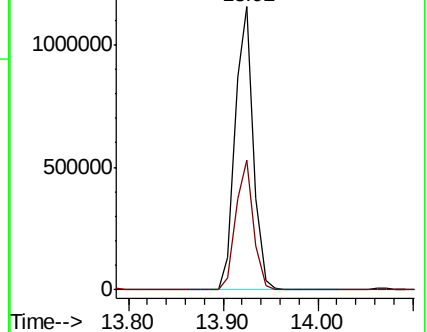
105 100

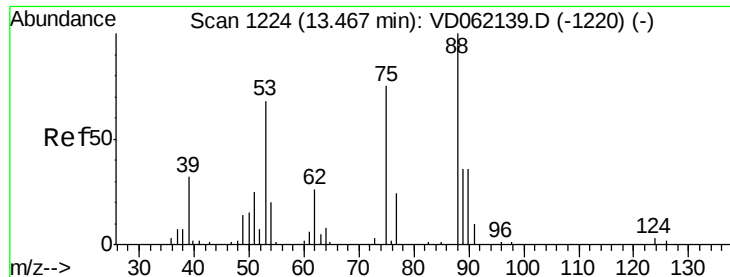
120 46.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.872 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

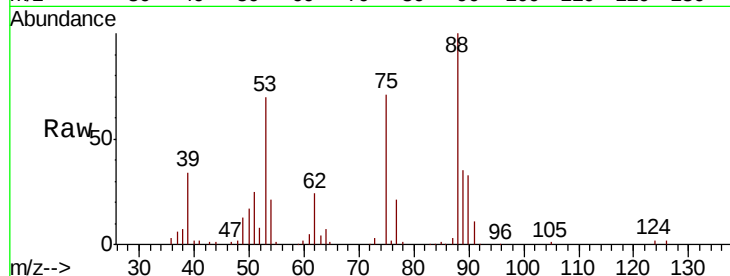
Tot Ion: 75 Resp: 92499

Ion Ratio Lower Upper

75 100

53 98.3 65.8 98.8

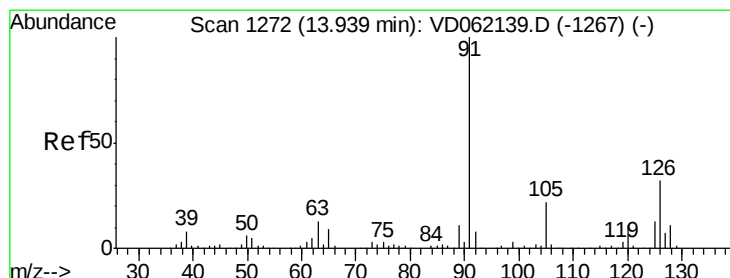
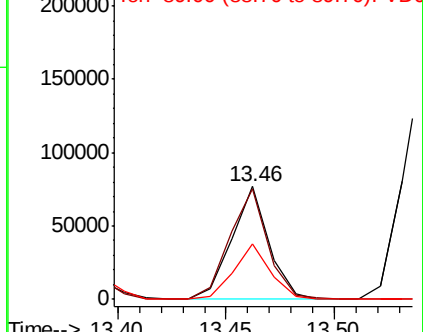
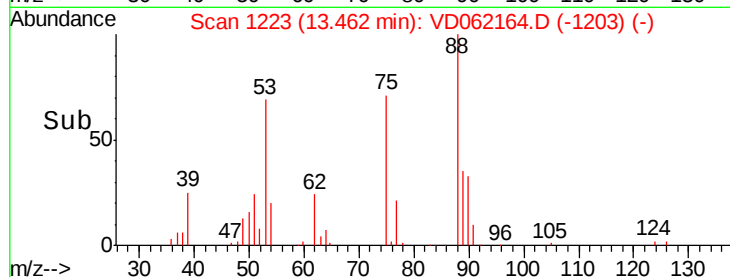
89 49.7 35.0 52.6



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: 53.413 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062164.D

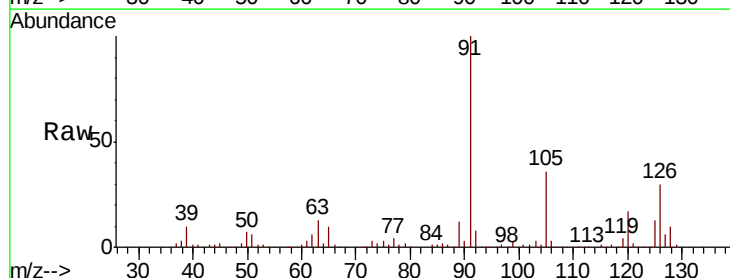
Acq: 8 May 2019 10:18

Tgt Ion: 91 Resp: 1395016

Ion Ratio Lower Upper

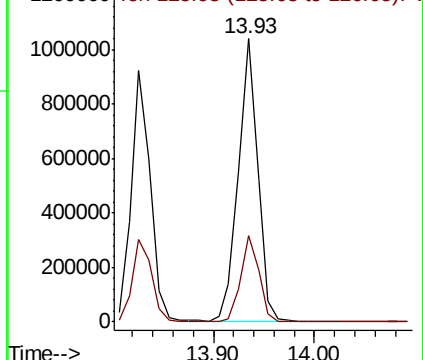
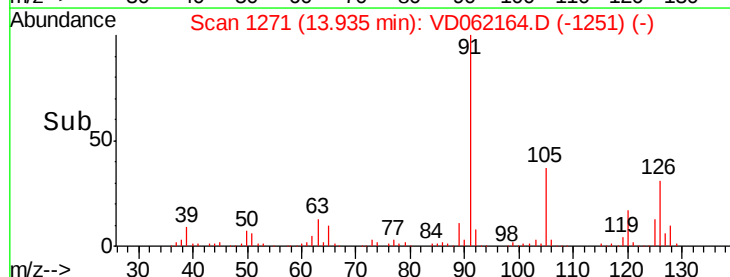
91 100

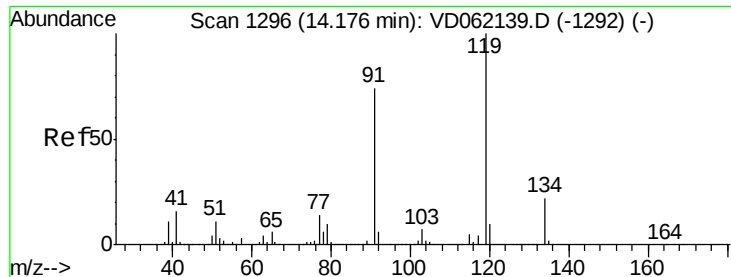
126 30.3 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

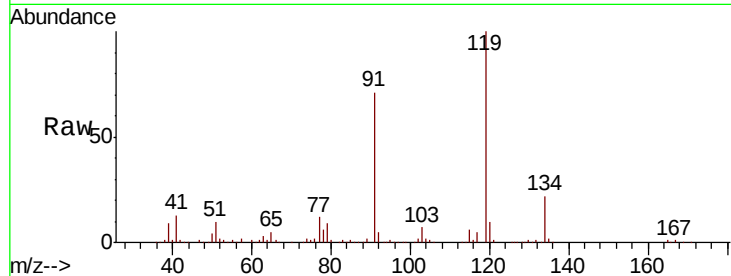




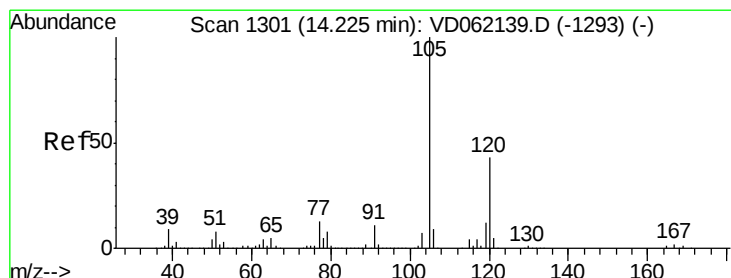
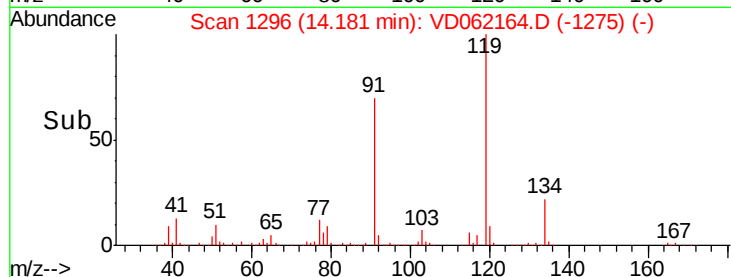
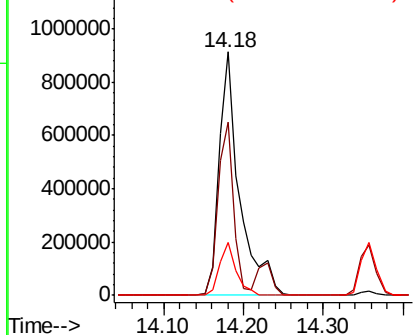
#83
 tert-Butylbenzene
 Concen: 53.712 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1651570
 Ion Ratio Lower Upper
 119 100
 91 71.1 34.2 102.6
 134 21.9 12.0 36.0

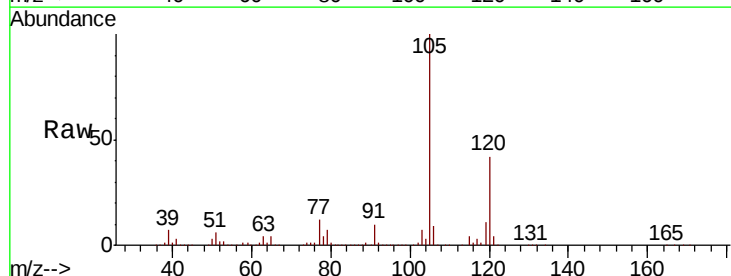


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

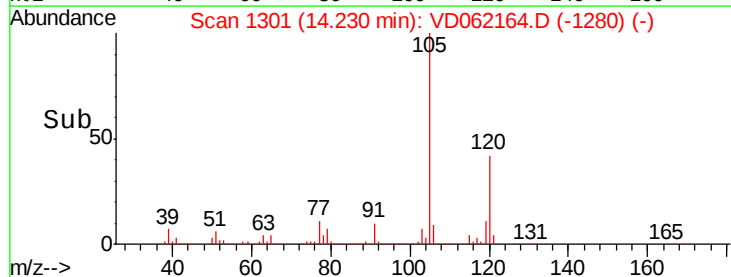
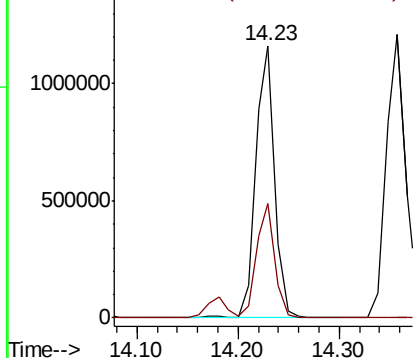


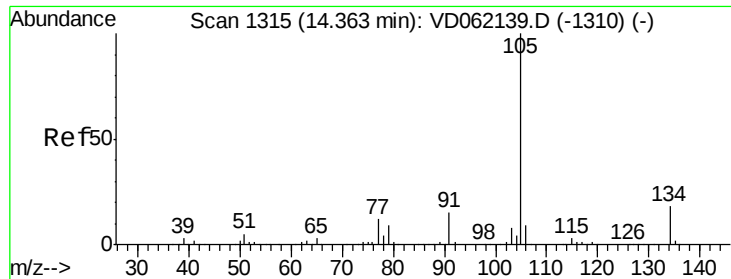
#84
 1,2,4-Trimethylbenzene
 Concen: 55.422 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion:105 Resp: 1521471
 Ion Ratio Lower Upper
 105 100
 120 41.9 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: 48.494 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleID :

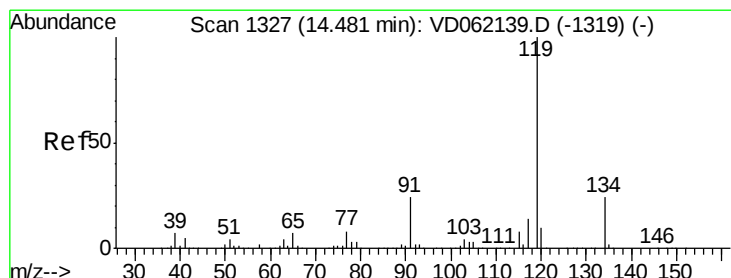
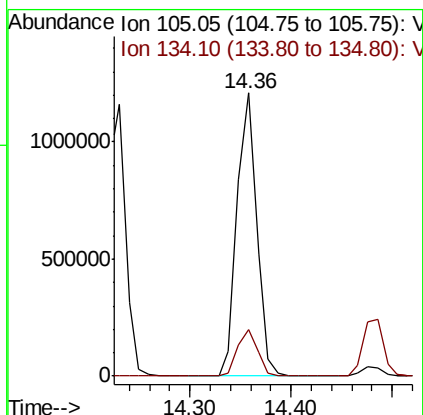
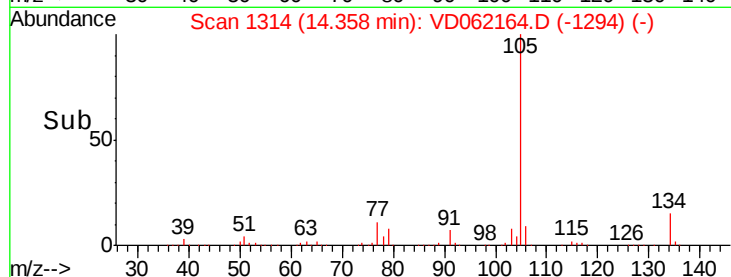
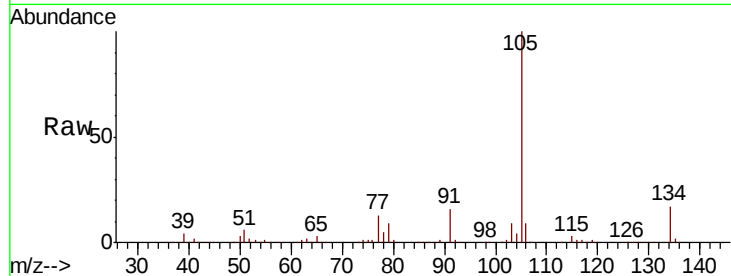
VSTDCCC050

Tot Ion:105 Resp: 1634863

Ion Ratio Lower Upper

105 100

134 16.6 8.9 26.7



#86

p-Isopropyltoluene

Concen: 49.249 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

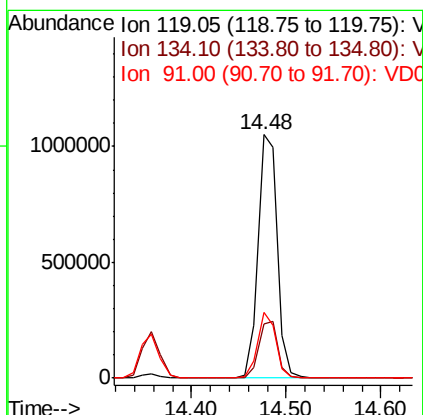
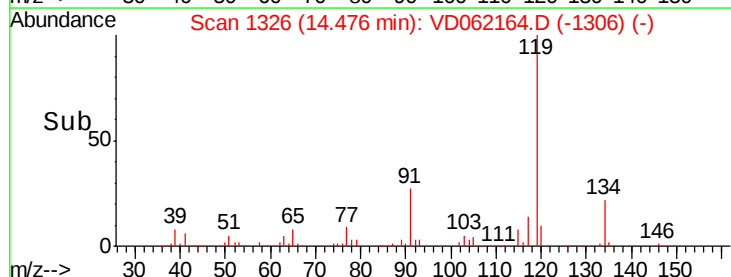
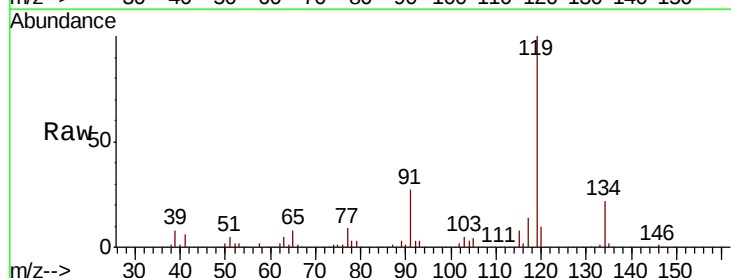
Tgt Ion:119 Resp: 1483396

Ion Ratio Lower Upper

119 100

134 22.2 12.8 38.3

91 26.8 10.7 32.1

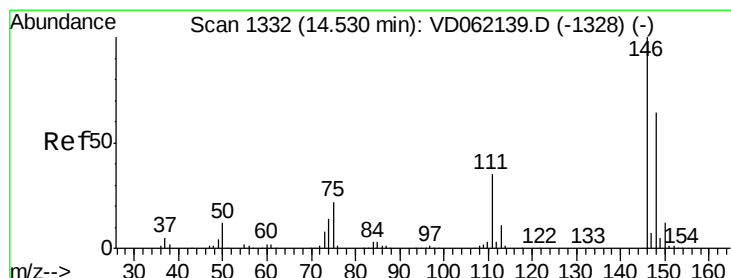
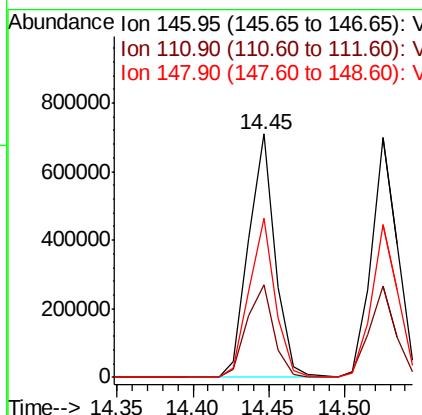
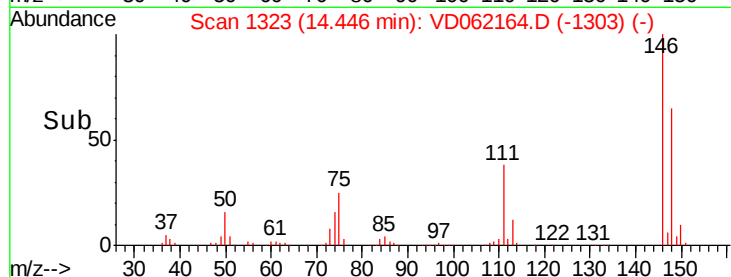
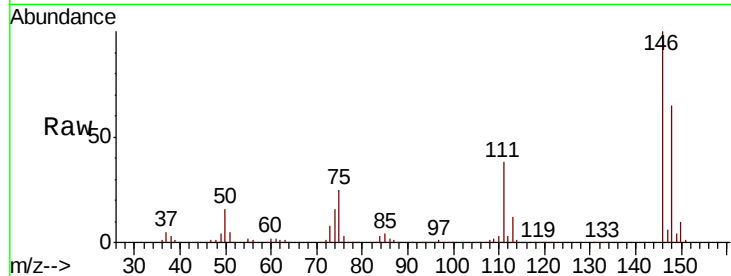




#87
 1,3-Dichlorobenzene
 Concen: 52.033 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

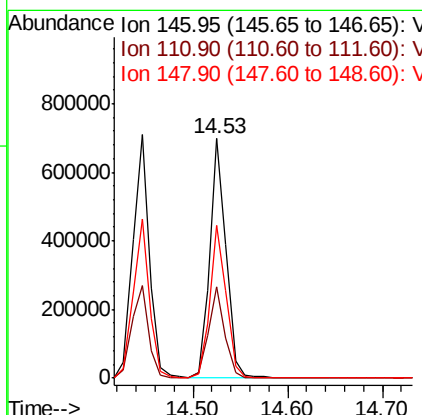
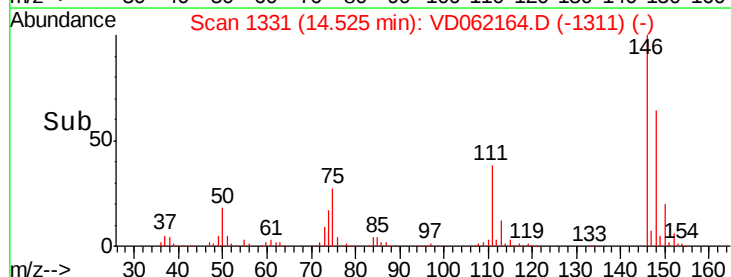
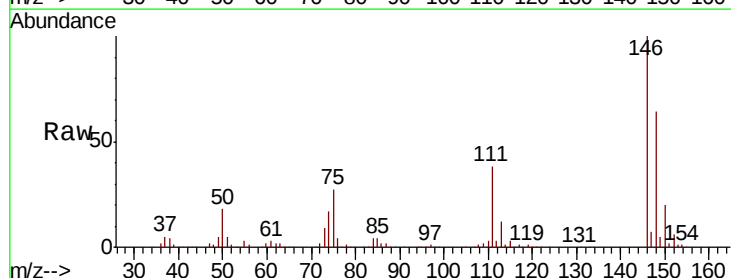
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 864419
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.0 60.0
 148 65.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.750 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion:146 Resp: 844743
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 52.601 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062164.D

Acq: 8 May 2019 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

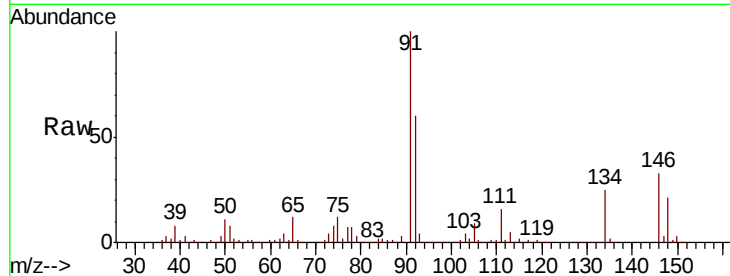
Tot Ion: 91 Resp: 1422089

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

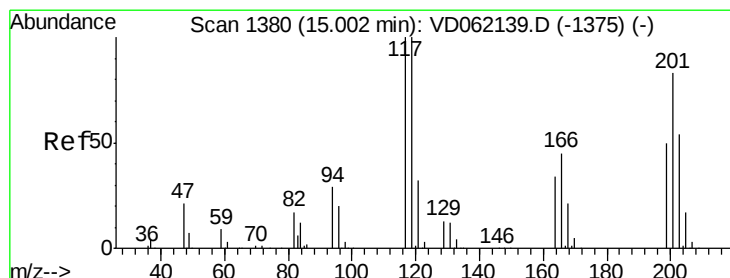
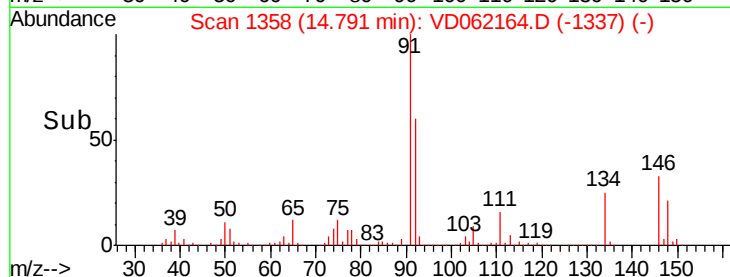
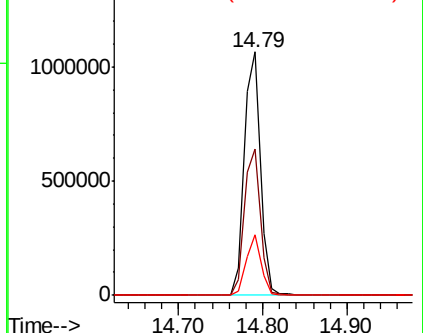
134 25.1 14.5 43.6



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: 54.035 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062164.D

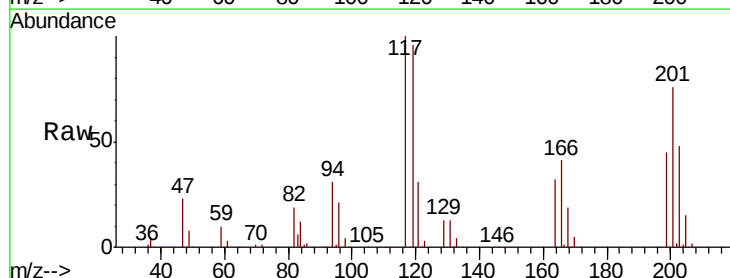
Acq: 8 May 2019 10:18

Tgt Ion: 117 Resp: 442612

Ion Ratio Lower Upper

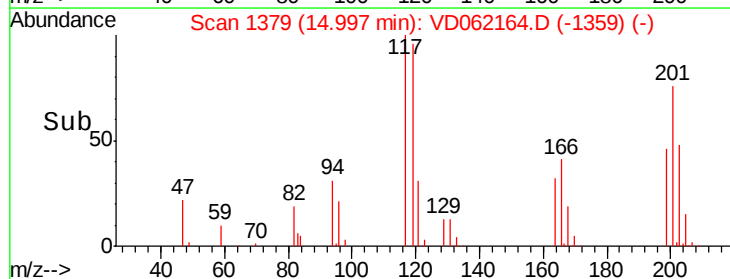
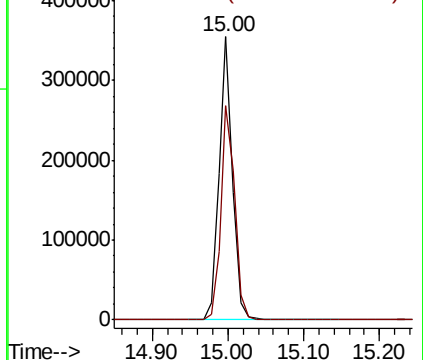
117 100

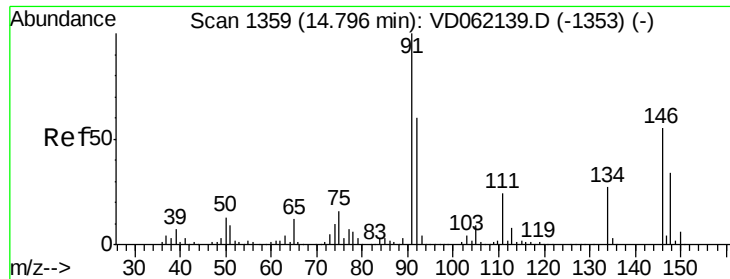
201 75.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

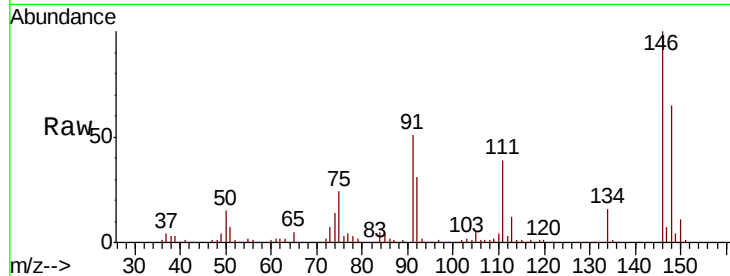




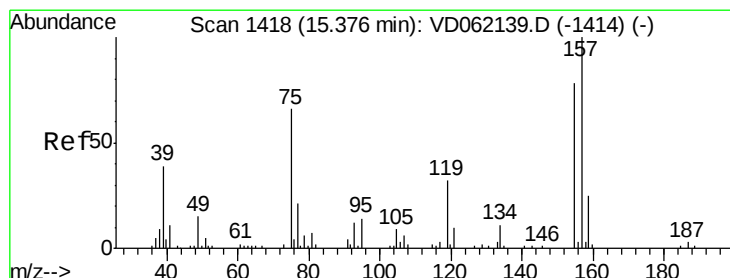
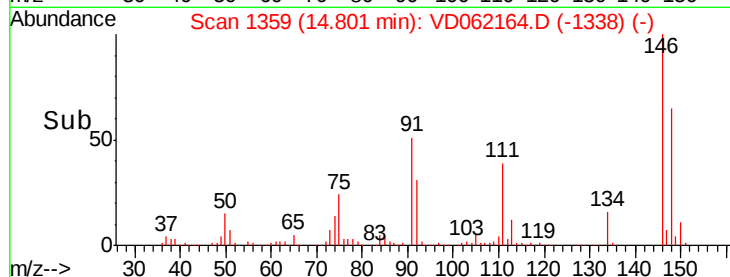
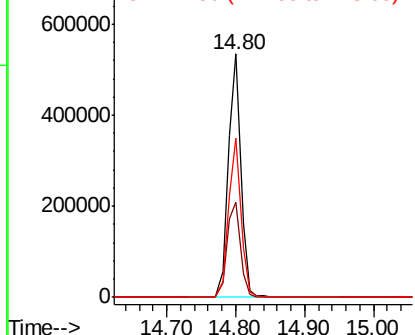
#91
 1,2-Dichlorobenzene
 Concen: 49.533 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 677703
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 59.9
 148 65.5 32.3 96.8

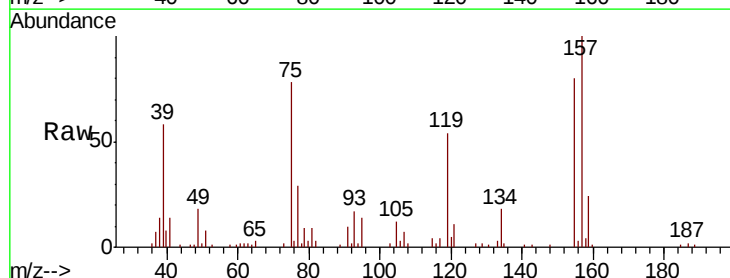


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

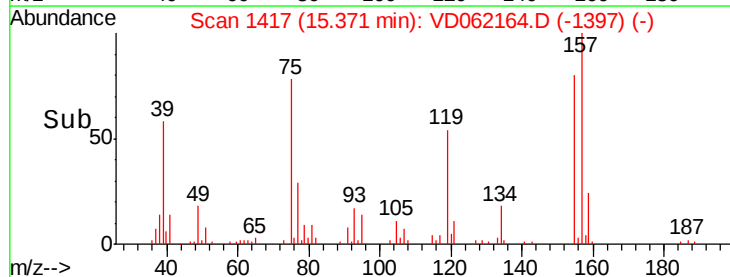
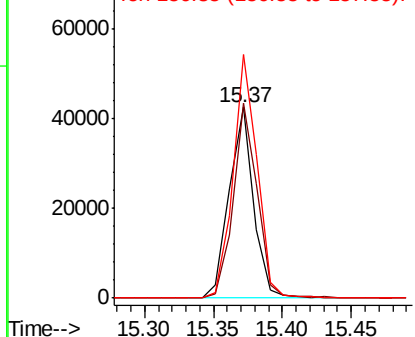


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.665 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion: 75 Resp: 52159
 Ion Ratio Lower Upper
 75 100
 155 102.3 55.3 165.8
 157 127.6 67.8 203.2



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

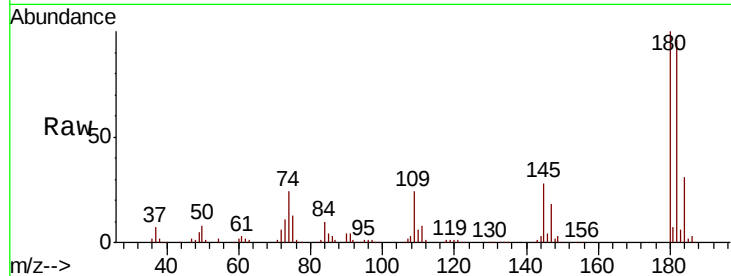




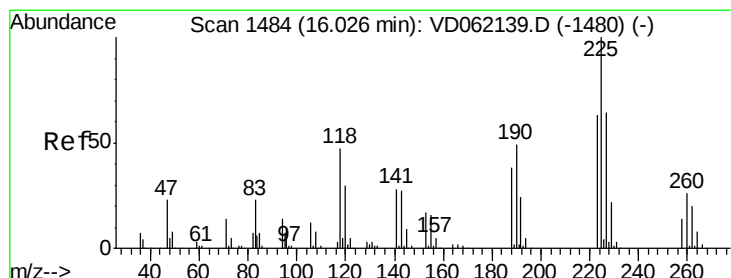
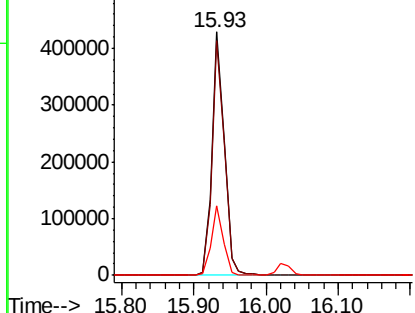
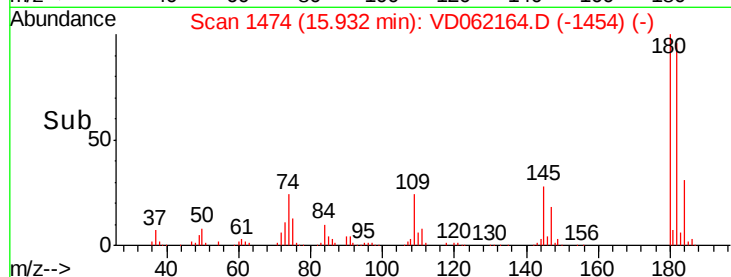
#93
 1,2,4-Trichlorobenzene
 Concen: 51.103 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 508914
 Ion Ratio Lower Upper
 180 100
 182 96.1 49.3 147.8
 145 28.5 16.2 48.6

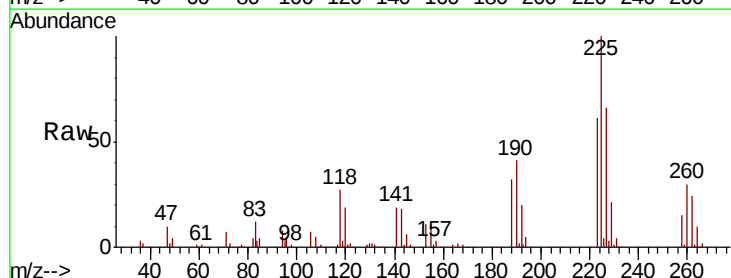


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

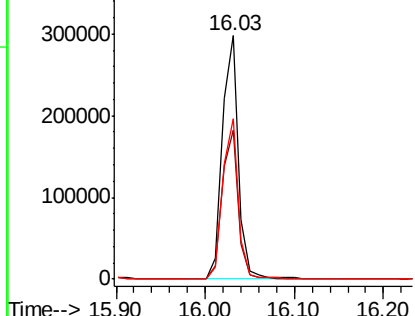
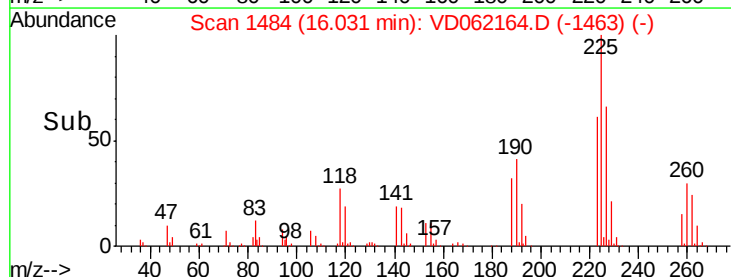


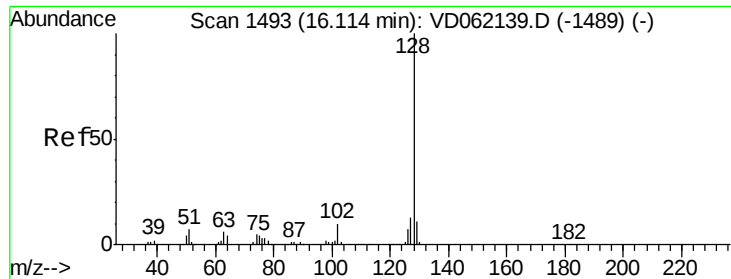
#94
 Hexachlorobutadiene
 Concen: 51.286 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062164.D
 Acq: 8 May 2019 10:18

Tgt Ion:225 Resp: 379864
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.6 92.0
 227 65.9 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

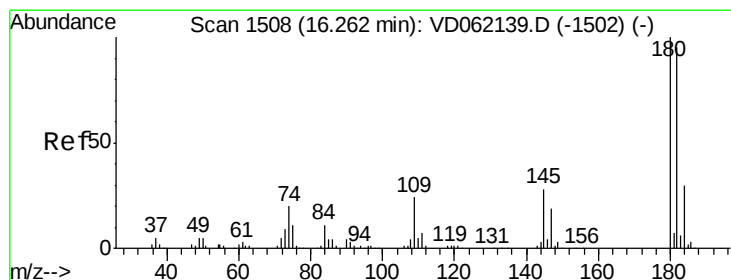
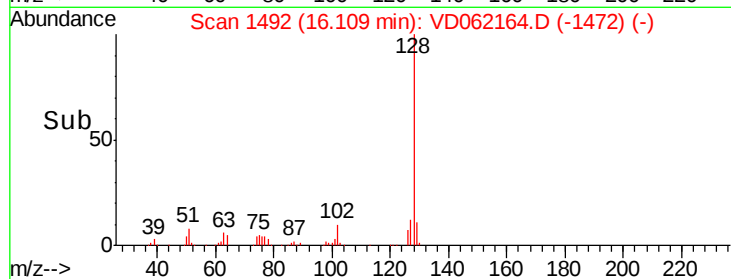
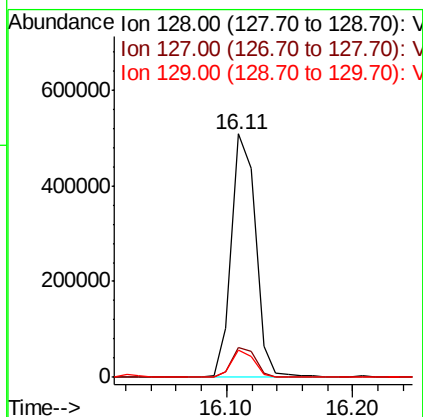
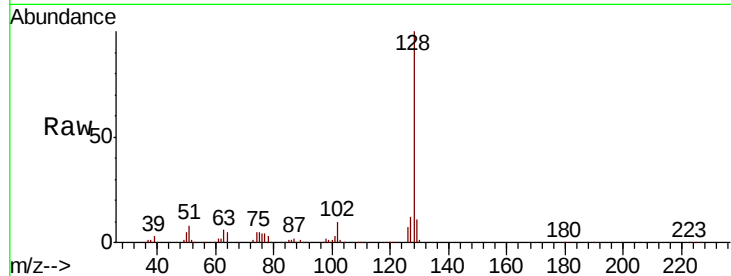




#95
Naphthalene
Concen: 48.318 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 671769
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.266 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062164.D
Acq: 8 May 2019 10:18

Tgt Ion:180 Resp: 320992
Ion Ratio Lower Upper
180 100
182 95.3 47.0 141.0
145 30.7 17.0 51.0

