

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062228.D
 Acq On : 11 May 2019 10:48
 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 11 22:18:56 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	7.05	168	867199	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1211093	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	902451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	456195	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	374358	46.45	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	6.93	113	489907	48.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.41	98	1020369	42.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.24%	
62) 4-Bromofluorobenzene	13.56	95	444067	45.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	402937	48.582	ug/l	100
3) Chloromethane	1.76	50	250335	41.771	ug/l	97
4) Vinyl Chloride	1.86	62	274694	46.639	ug/l	99
5) Bromomethane	2.16	94	106100	76.879	ug/l	97
6) Chloroethane	2.28	64	136409	55.194	ug/l	99
7) Trichlorofluoromethane	2.54	101	679793	59.367	ug/l	100
8) Diethyl Ether	2.88	74	89879	40.699	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.16	101	426192	49.202	ug/l	99
10) Methyl Iodide	3.31	142	595632	45.497	ug/l	90
11) Tert butyl alcohol	4.06	59	93775	227.959	ug/l	98
12) 1,1-Dichloroethene	3.14	96	337865	51.097	ug/l	87
13) Acrolein	3.04	56	92242	216.795	ug/l	95
14) Allyl chloride	3.63	41	475309	49.439	ug/l #	84
15) Acrylonitrile	4.20	53	224314	207.456	ug/l #	86
16) Acetone	3.22	43	495422	293.139	ug/l #	88
17) Carbon Disulfide	3.38	76	936641	49.242	ug/l	99
18) Methyl Acetate	3.65	43	134056	44.316	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	693360	48.921	ug/l	96
20) Methylene Chloride	3.82	84	327326	46.386	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	363863	49.452	ug/l	99
22) Diisopropyl ether	5.12	45	1004297	49.089	ug/l	90
23) Vinyl Acetate	5.06	43	2820983	261.341	ug/l	97
24) 1,1-Dichloroethane	5.00	63	614886	49.821	ug/l	97
25) 2-Butanone	6.07	43	453581	246.051	ug/l	97
26) 2,2-Dichloropropane	6.03	77	690134	56.135	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	412107	50.038	ug/l	97
28) Bromochloromethane	6.44	49	273702	56.366	ug/l	90
29) Tetrahydrofuran	6.46	42	187907	221.227	ug/l	97
30) Chloroform	6.67	83	784087	52.714	ug/l	98
31) Cyclohexane	6.95	56	432583	51.160	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	780254	55.499	ug/l	99
36) 1,1-Dichloropropene	7.15	75	502254	50.580	ug/l	94
37) Ethyl Acetate	6.19	43	204077	48.462	ug/l #	90
38) Carbon Tetrachloride	7.11	117	818952	59.587	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062228.D
 Acq On : 11 May 2019 10:48
 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 11 22:18:56 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)
39) Methylcyclohexane	8.86	83	459877	48.337	ug/l	95
40) Benzene	7.46	78	1038905	46.333	ug/l	98
41) Methacrylonitrile	6.45	41	239277	46.496	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	521969	54.943	ug/l	94
43) Isopropyl Acetate	9.24	43	277580	46.478	ug/l #	96
44) Trichloroethene	8.55	130	438154	51.280	ug/l	95
45) 1,2-Dichloropropane	8.94	63	258354	46.582	ug/l	98
46) Dibromomethane	9.07	93	223396	49.532	ug/l #	87
47) Bromodichloromethane	9.37	83	586741	53.185	ug/l	96
48) Methyl methacrylate	9.13	41	171725	46.681	ug/l	90
49) 1,4-Dioxane	9.09	88	33538	844.973	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	865529	225.455	ug/l	95
52) Toluene	10.51	92	747801	51.257	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	490396	51.433	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	500851	48.151	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	241113	46.710	ug/l	94
56) Ethyl methacrylate	11.04	69	250924	46.779	ug/l #	87
57) 1,3-Dichloropropane	11.41	76	391925	50.257	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	749152	255.680	ug/l	100
59) 2-Hexanone	11.53	43	681423	240.827	ug/l	95
60) Dibromochloromethane	11.69	129	437522	49.044	ug/l	99
61) 1,2-Dibromoethane	11.81	107	299969	47.798	ug/l	98
64) Tetrachloroethene	11.25	164	390799	55.379	ug/l	98
65) Chlorobenzene	12.40	112	820202	48.797	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	403899	55.213	ug/l	96
67) Ethyl Benzene	12.52	91	1508489	53.607	ug/l	97
68) m/p-Xylenes	12.67	106	1057850	103.327	ug/l	94
69) o-Xylene	13.05	106	494928	51.999	ug/l	83
70) Styrene	13.07	104	858068	53.218	ug/l	96
71) Bromoform	13.23	173	276226	54.274	ug/l	99
73) Isopropylbenzene	13.40	105	1591181	58.187	ug/l	96
74) N-amyl acetate	13.26	43	368509	51.400	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	261241	50.463	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	280735	51.782	ug/l	98
77) Bromobenzene	13.67	156	434477	56.757	ug/l	95
78) n-propylbenzene	13.77	91	1814196	55.615	ug/l	95
79) 2-Chlorotoluene	13.84	91	1050237	56.216	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1360518	59.083	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	76416	49.928	ug/l #	79
82) 4-Chlorotoluene	13.95	91	1215411	55.285	ug/l	93
83) tert-Butylbenzene	14.19	119	1471728	56.862	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1280958	55.434	ug/l	91
85) sec-Butylbenzene	14.36	105	1551084	54.658	ug/l	94
86) p-Isopropyltoluene	14.49	119	1339848	52.846	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	770874	55.126	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	730879	53.193	ug/l	96
89) n-Butylbenzene	14.80	91	1289638	56.670	ug/l	96
90) Hexachloroethane	15.00	117	406691	58.984	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	600081	52.105	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	49345	58.067	ug/l	75

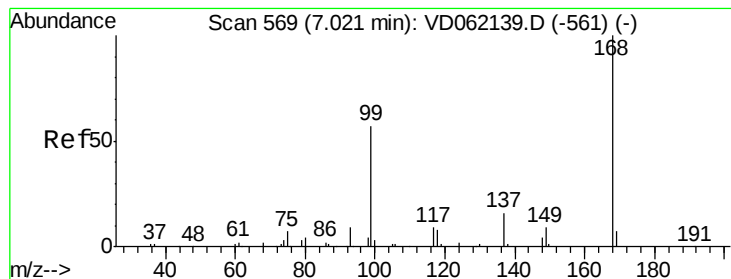
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
Data File : VD062228.D
Acq On : 11 May 2019 10:48
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: May 11 22:18:56 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)
93) 1,2,4-Trichlorobenzene	15.95	180	522943	62.384	ug/l	96
94) Hexachlorobutadiene	16.04	225	351830	56.431	ug/l	99
95) Naphthalene	16.13	128	648347	55.400	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	318016	60.339	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

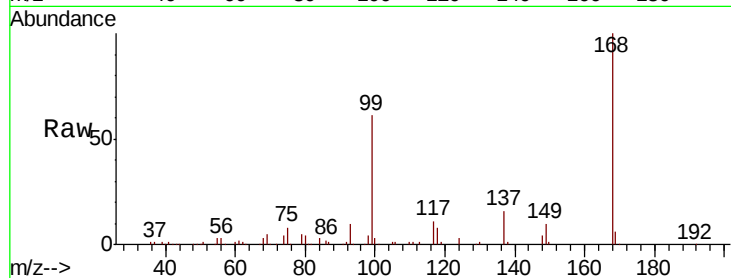
VSTDCCC050

Tot Ion:168 Resp: 867199

Ion Ratio Lower Upper

168 100

99 60.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

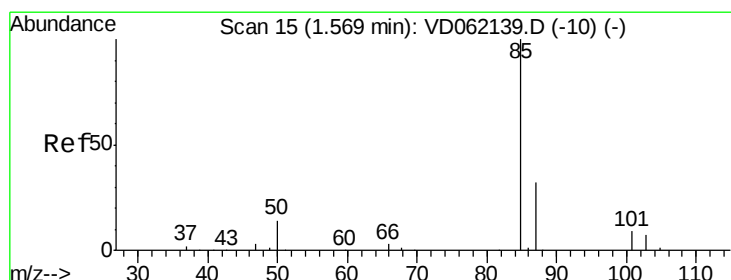
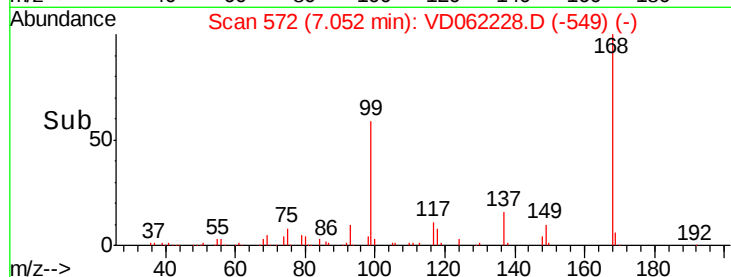
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.582 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062228.D

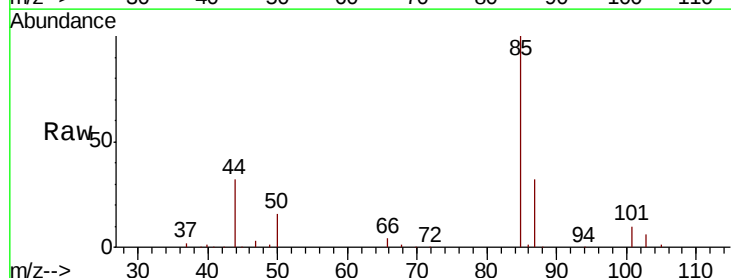
Acq: 11 May 2019 10:48

Tgt Ion: 85 Resp: 402937

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

1.58

200000

150000

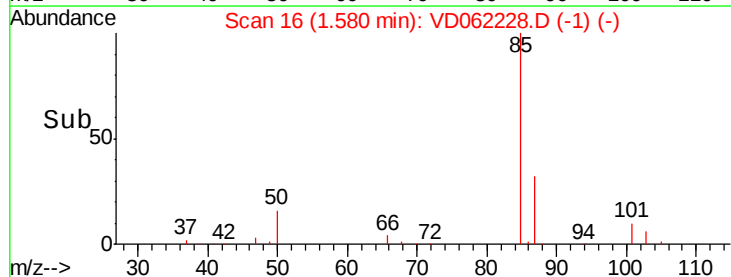
100000

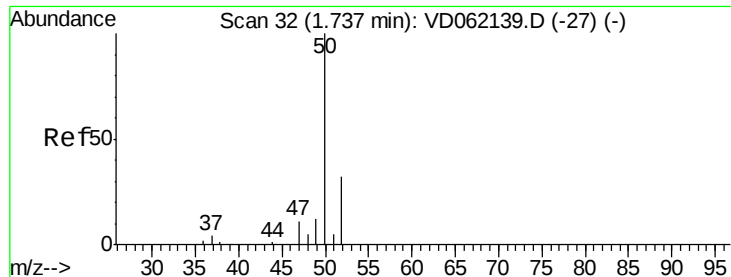
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.771 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

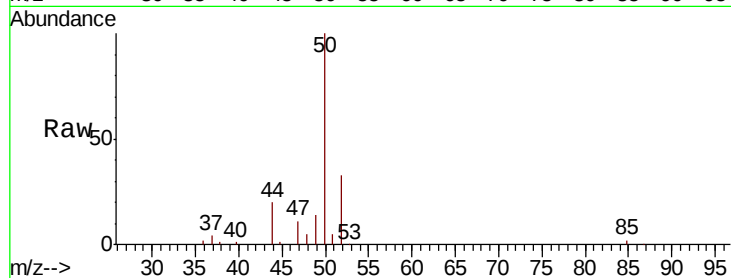
VSTDCCC050

Tot Ion: 50 Resp: 250335

Ion Ratio Lower Upper

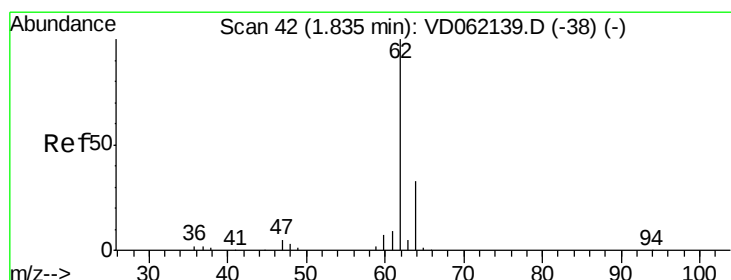
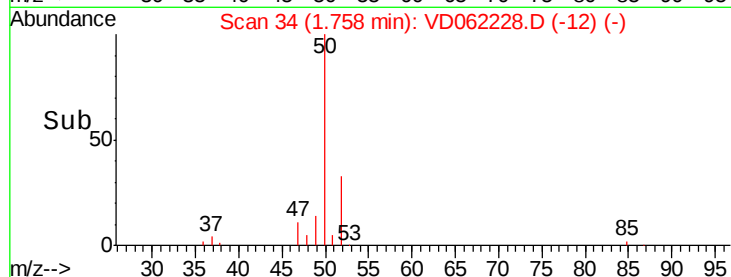
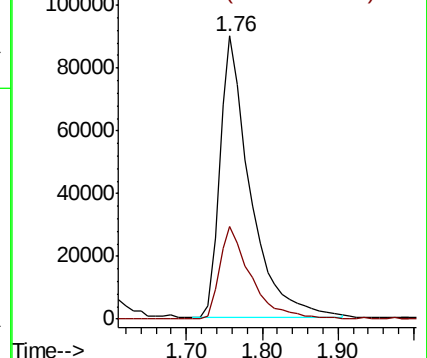
50 100

52 33.0 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: 46.639 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062228.D

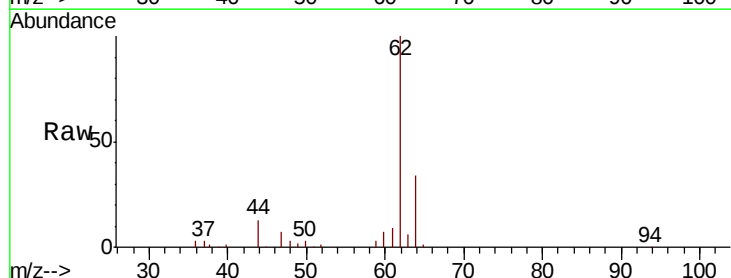
Acq: 11 May 2019 10:48

Tgt Ion: 62 Resp: 274694

Ion Ratio Lower Upper

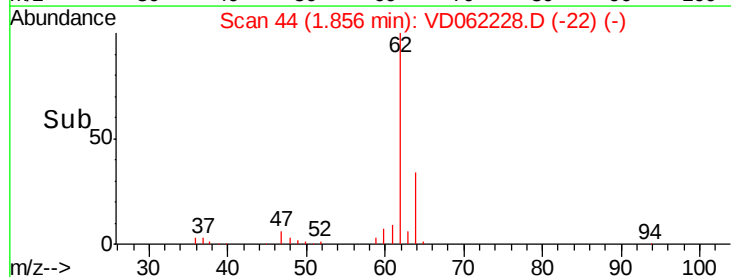
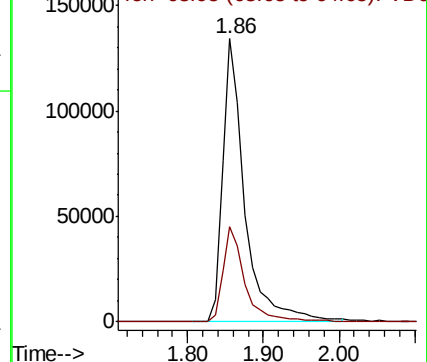
62 100

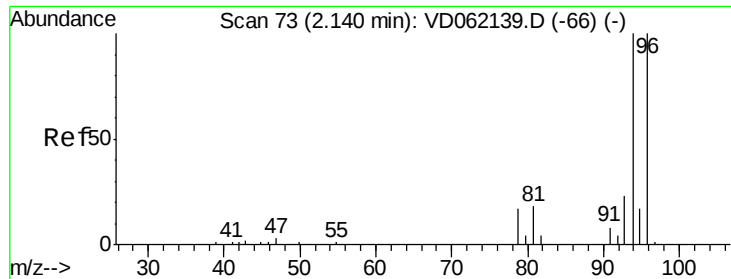
64 33.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 76.879 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

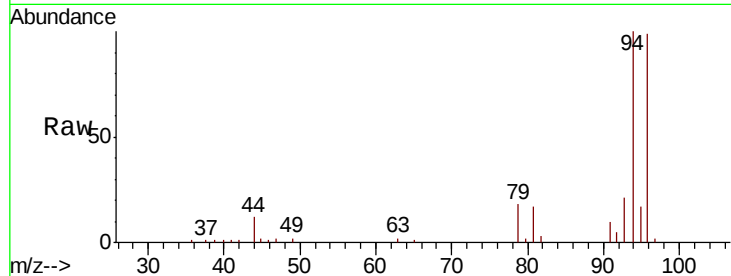
Tot Ion: 94 Resp: 106100

Ion Ratio Lower Upper

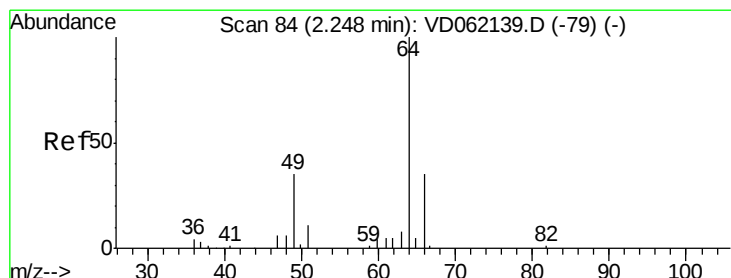
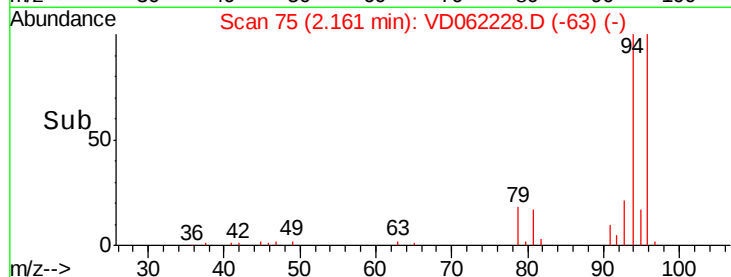
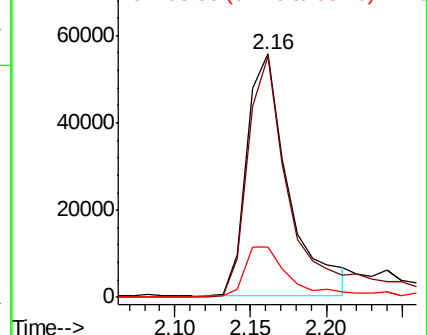
94 100

96 98.9 76.6 115.0

93 20.7 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: 55.194 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062228.D

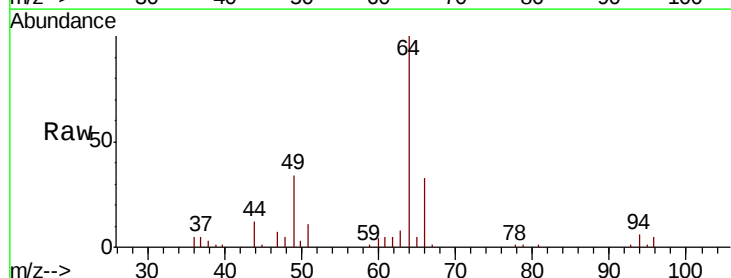
Acq: 11 May 2019 10:48

Tgt Ion: 64 Resp: 136409

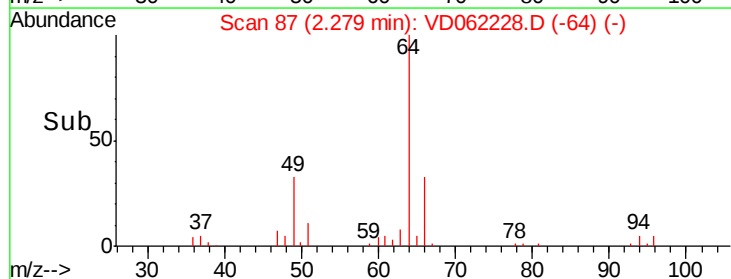
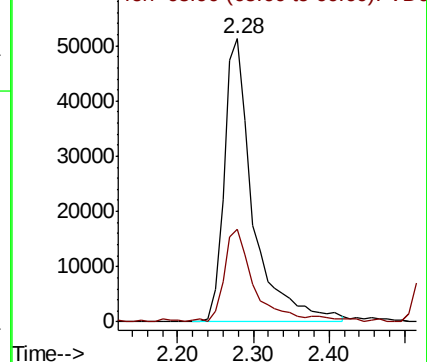
Ion Ratio Lower Upper

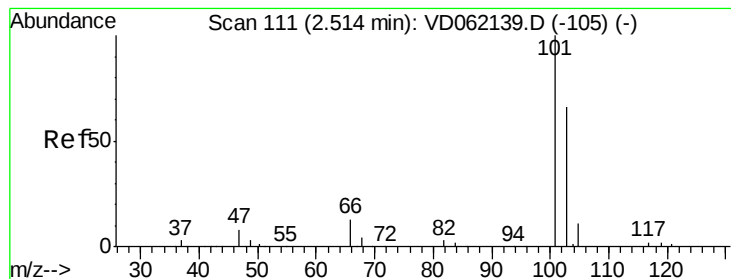
64 100

66 32.8 25.6 38.4



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



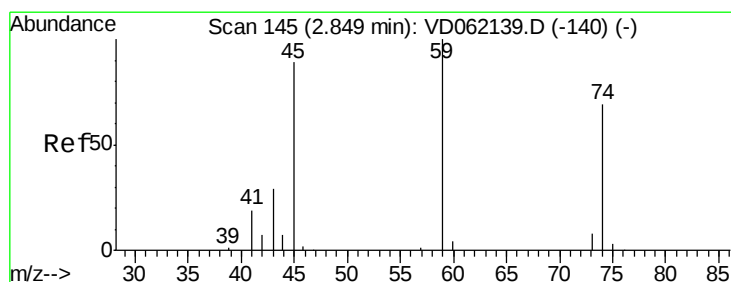
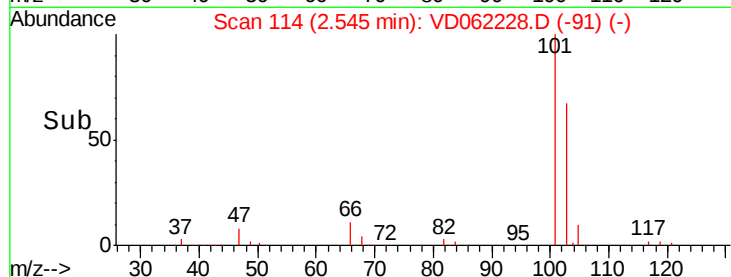
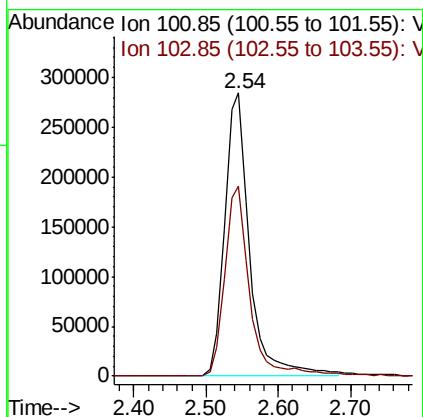
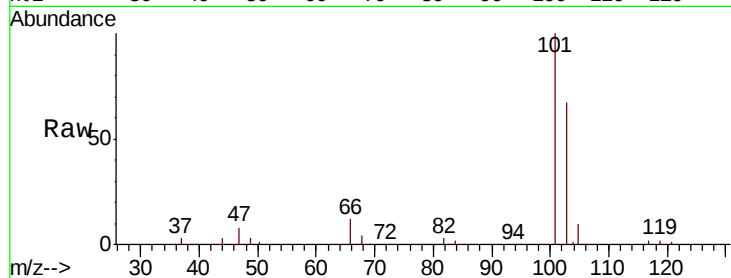


#7

Trichlorofluoromethane
 Concen: 59.367 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

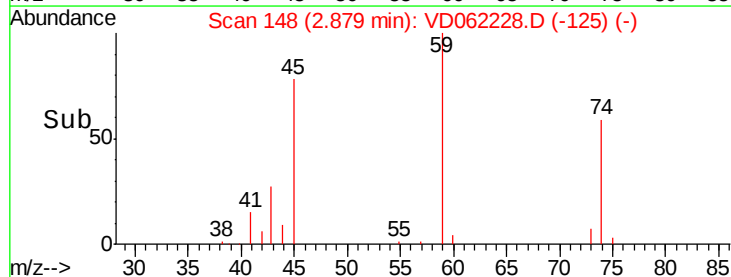
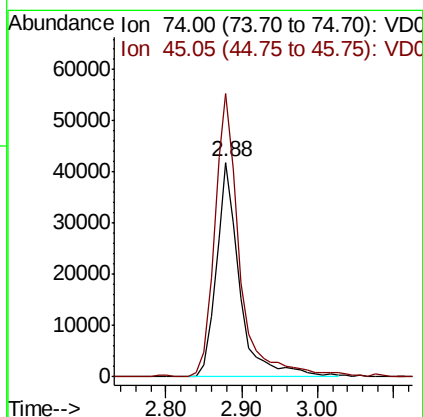
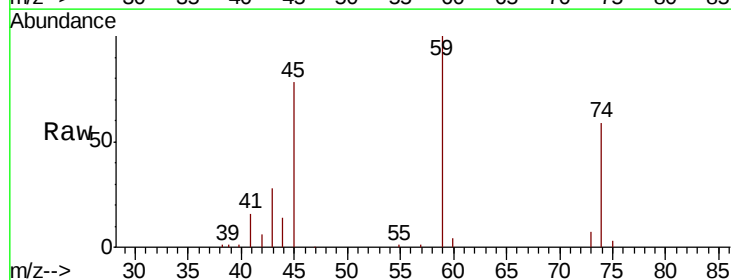
Tot Ion: 101 Resp: 679793
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.6 80.4

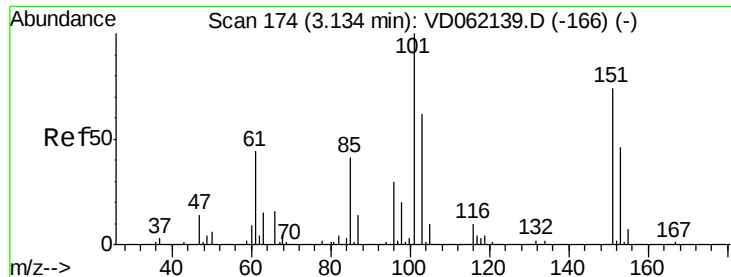


#8

Diethyl Ether
 Concen: 40.699 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 74 Resp: 89879
 Ion Ratio Lower Upper
 74 100
 45 131.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.202 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

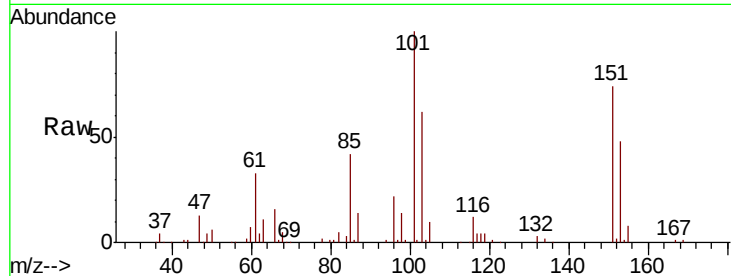
Tot Ion:101 Resp: 426192

Ion Ratio Lower Upper

101 100

85 42.2 32.4 48.6

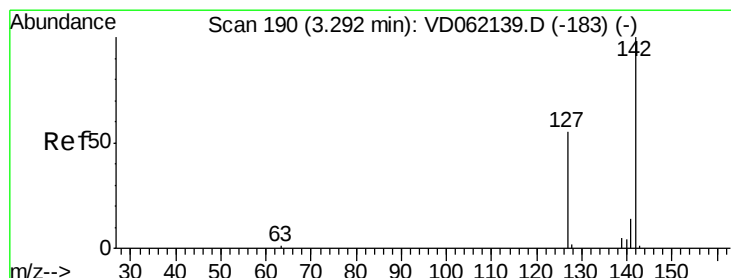
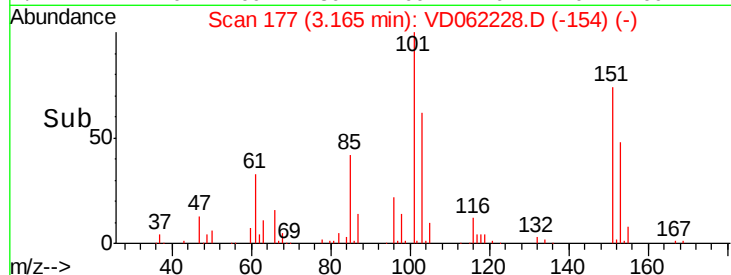
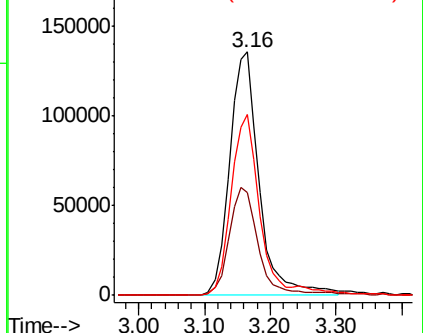
151 74.5 59.4 89.0



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: 45.497 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

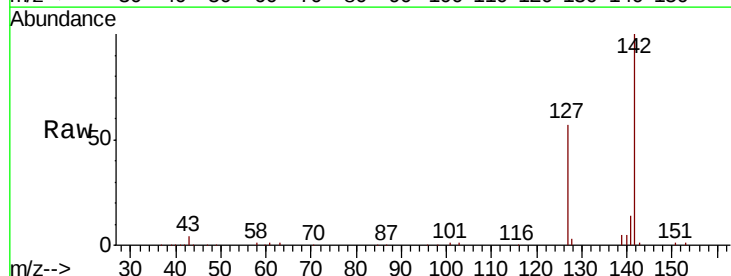
Tgt Ion:142 Resp: 595632

Ion Ratio Lower Upper

142 100

127 57.2 38.8 58.2

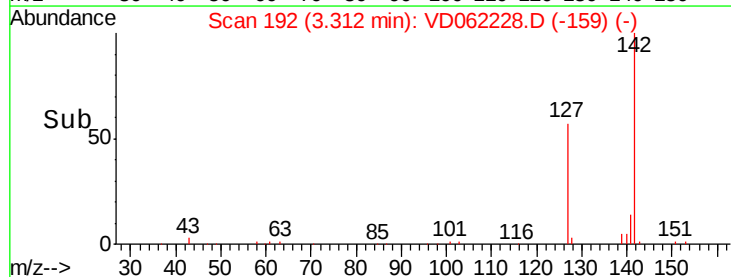
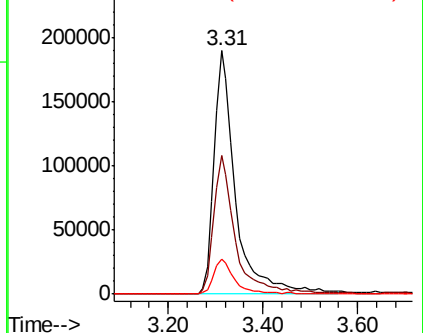
141 14.4 11.4 17.0

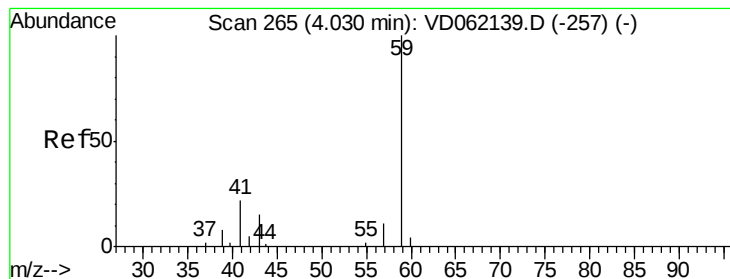


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



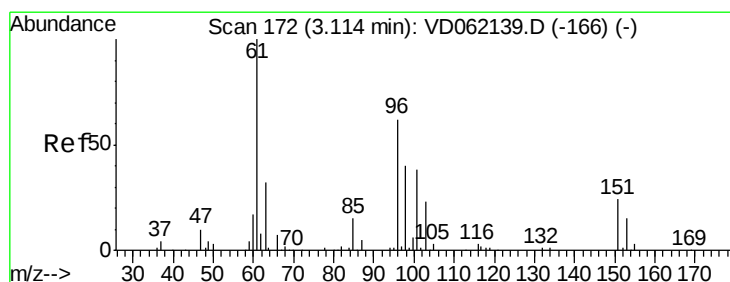
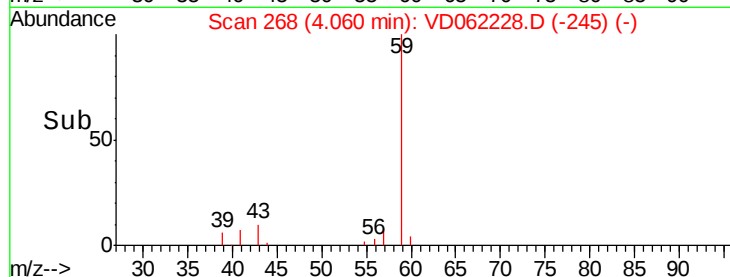
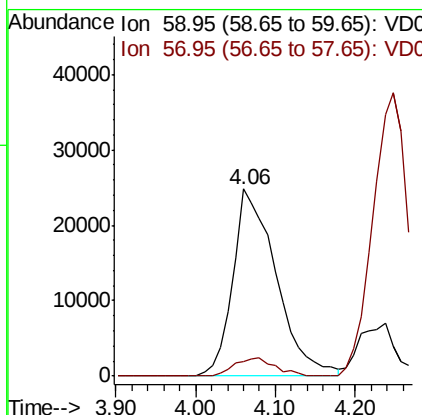
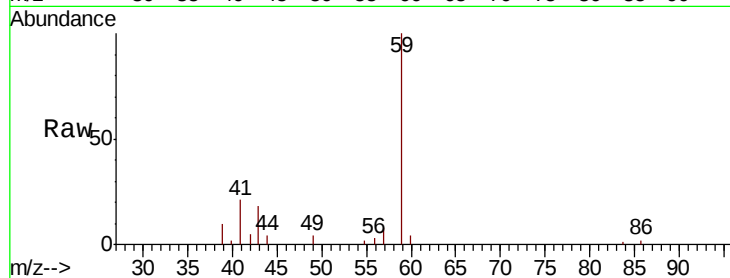


#11

Tert butyl alcohol
 Concen: 227.959 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

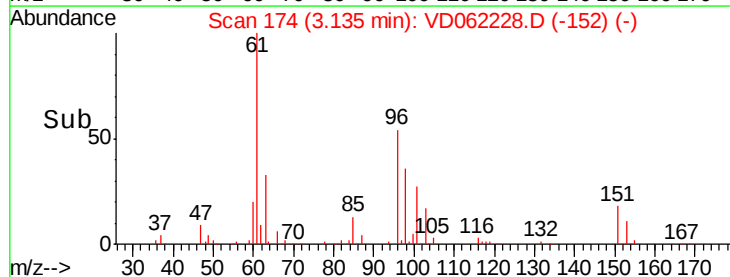
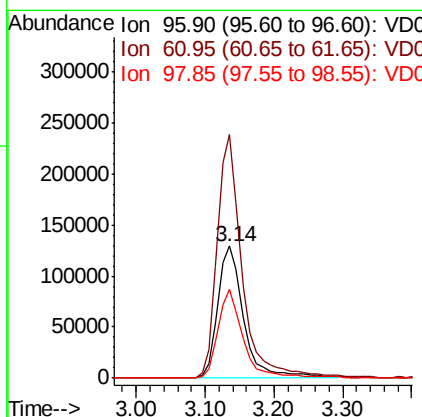
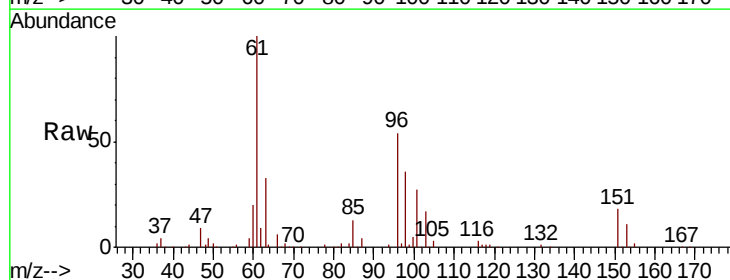
Tot Ion: 59 Resp: 93775
 Ion Ratio Lower Upper
 59 100
 57 7.8 6.9 10.3

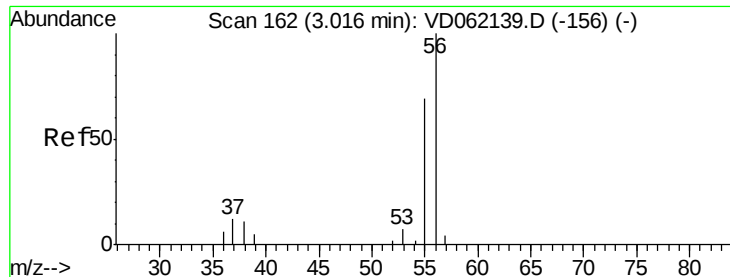


#12

1,1-Dichloroethene
 Concen: 51.097 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 96 Resp: 337865
 Ion Ratio Lower Upper
 96 100
 61 184.5 129.8 194.8
 98 67.3 51.2 76.8





#13

Acrolein

Concen: 216.795 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

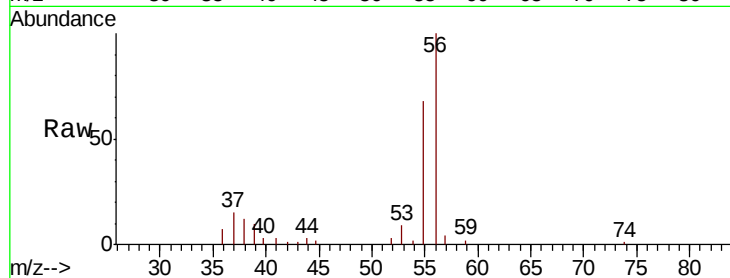
VSTDCCC050

Tot Ion: 56 Resp: 92242

Ion Ratio Lower Upper

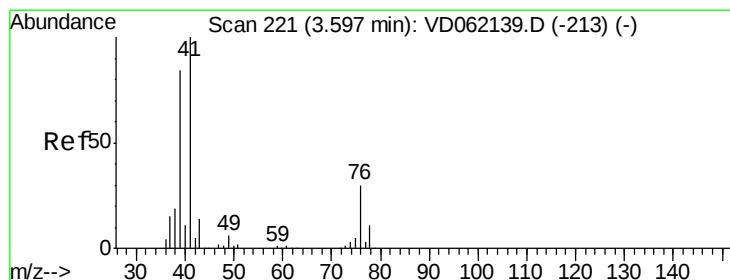
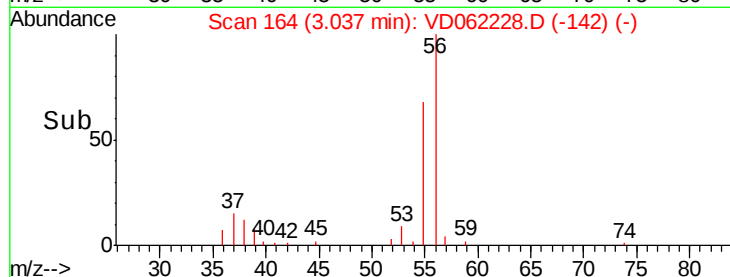
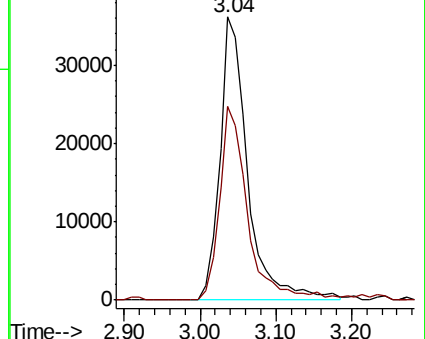
56 100

55 68.4 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: 49.439 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

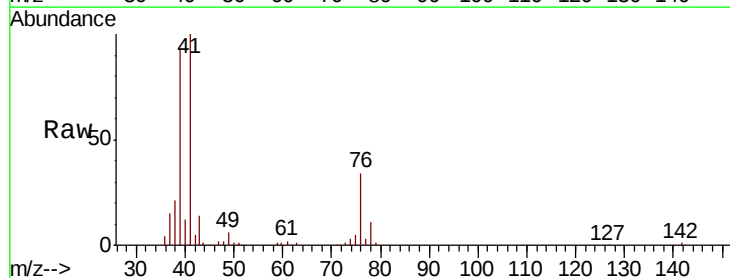
Tgt Ion: 41 Resp: 475309

Ion Ratio Lower Upper

41 100

39 92.6 60.5 90.7#

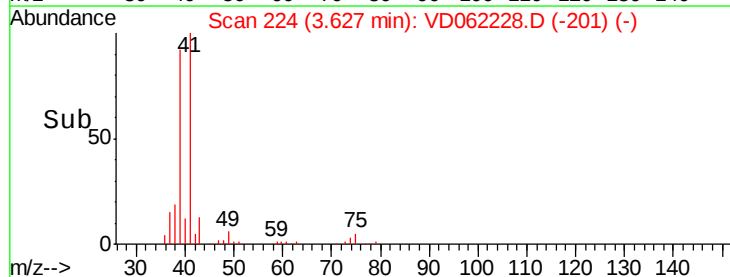
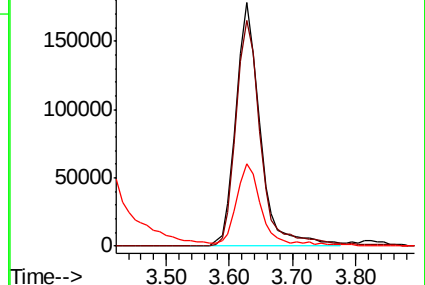
76 33.8 31.8 47.8

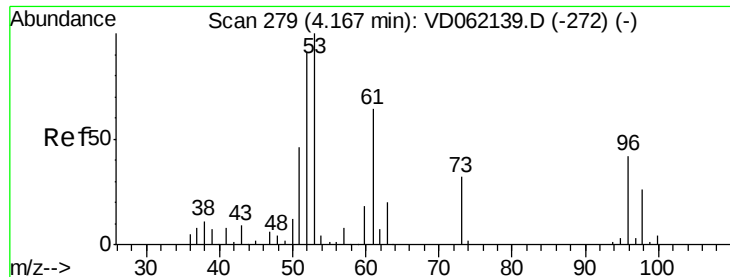


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

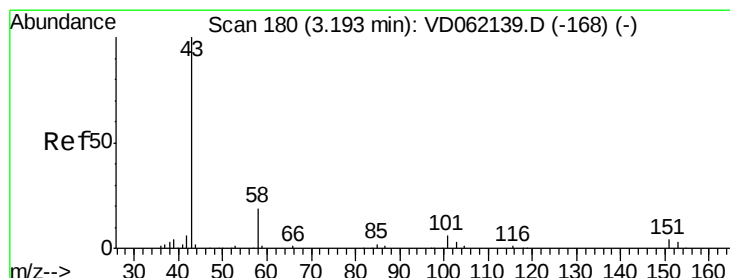
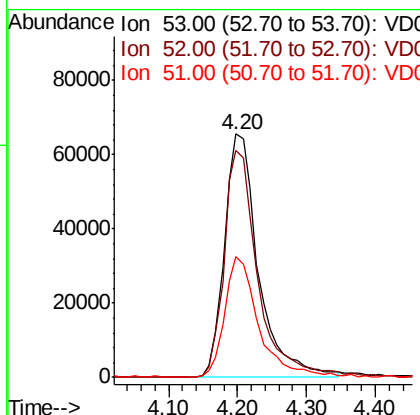
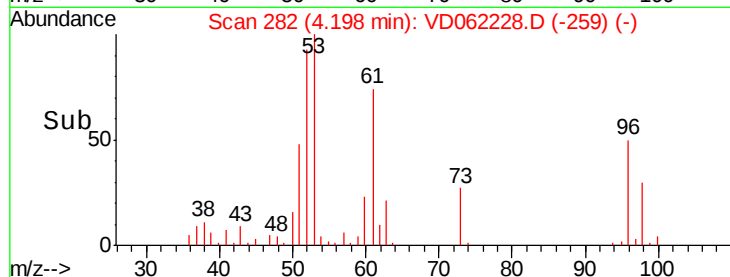
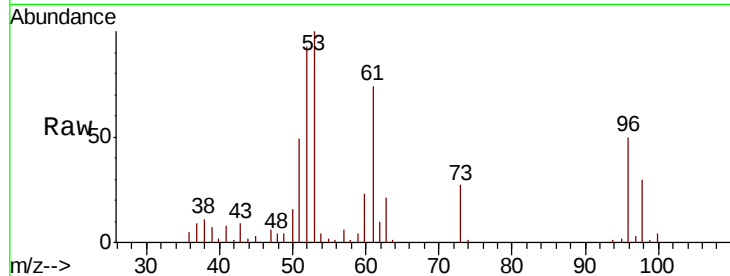




#15
 Acrylonitrile
 Concen: 207.456 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

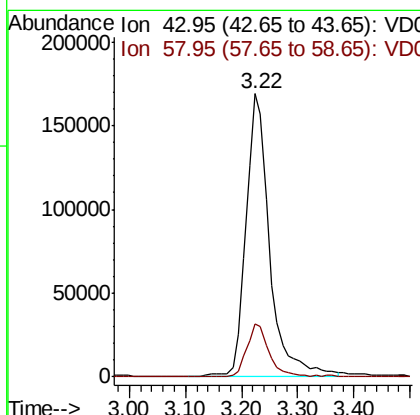
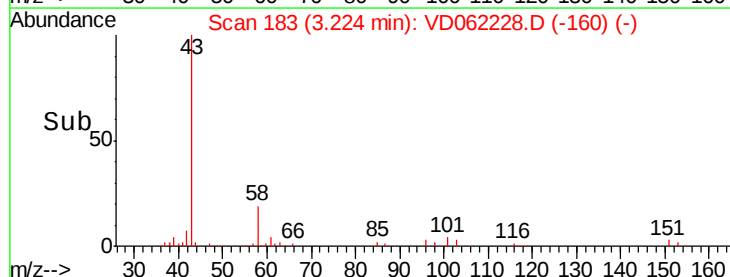
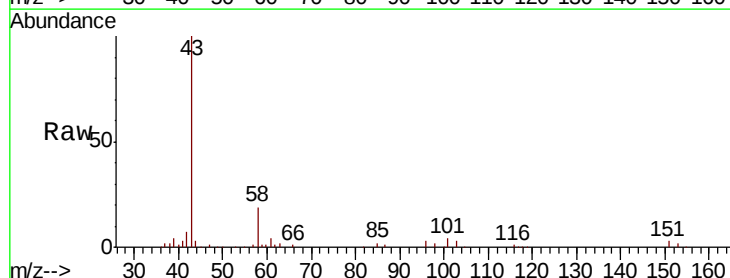
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

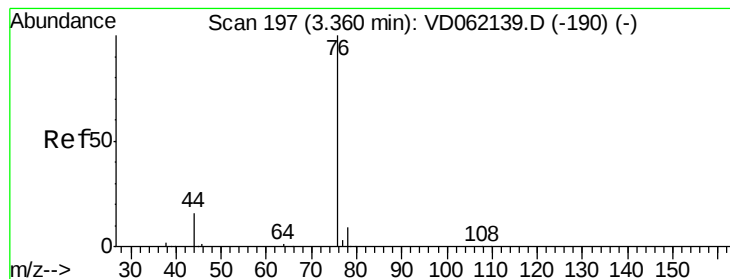
Tot Ion: 53 Resp: 224314
 Ion Ratio Lower Upper
 53 100
 52 93.4 65.0 97.4
 51 49.5 32.6 48.8#



#16
 Acetone
 Concen: 293.139 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 43 Resp: 495422
 Ion Ratio Lower Upper
 43 100
 58 18.7 19.9 29.9#





#17

Carbon Disulfide

Concen: 49.242 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

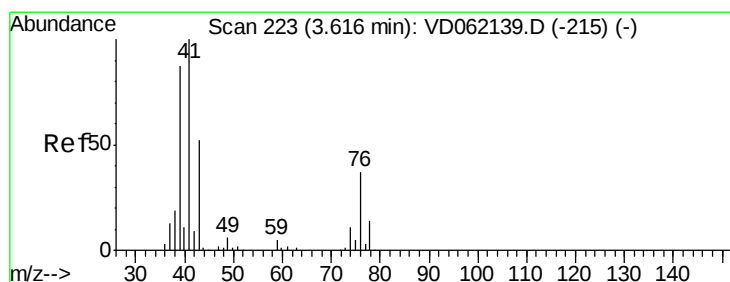
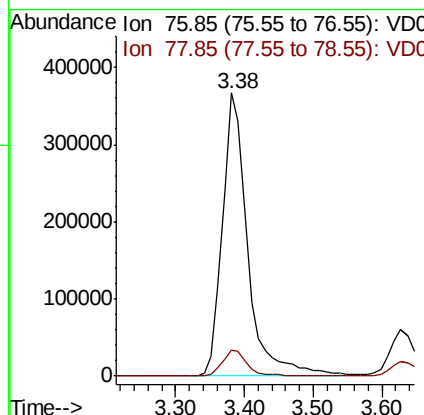
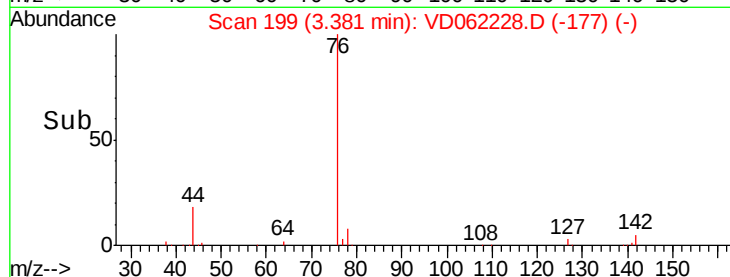
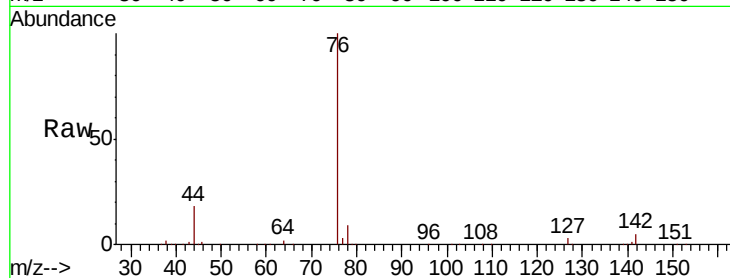
VSTDCCC050

Tot Ion: 76 Resp: 936641

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#18

Methyl Acetate

Concen: 44.316 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062228.D

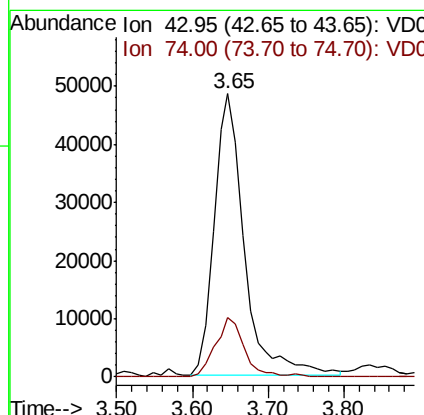
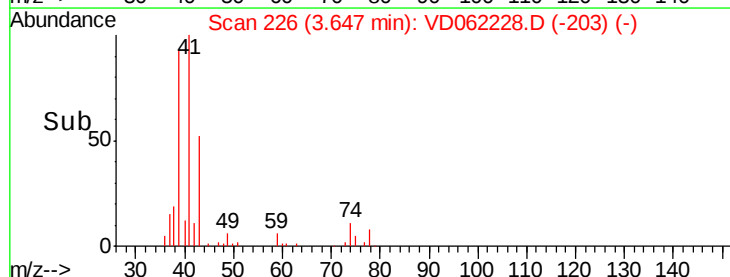
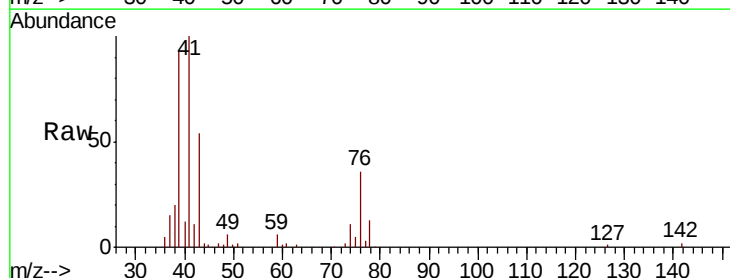
Acq: 11 May 2019 10:48

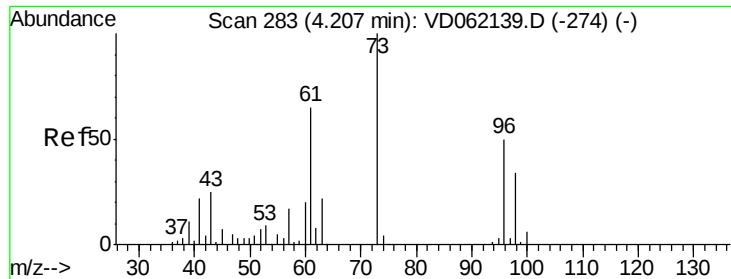
Tgt Ion: 43 Resp: 134056

Ion Ratio Lower Upper

43 100

74 20.8 18.0 27.0

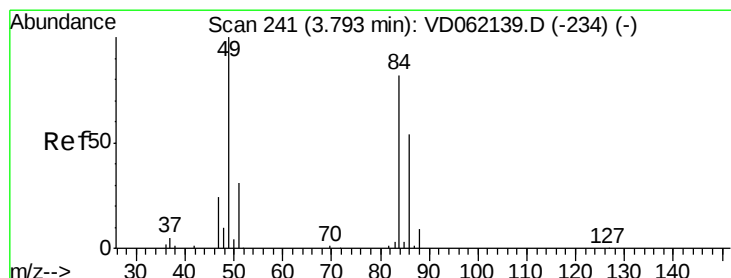
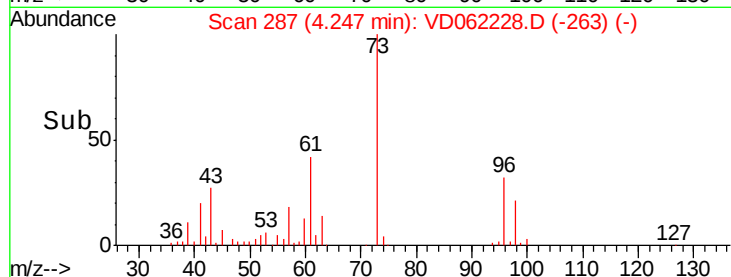
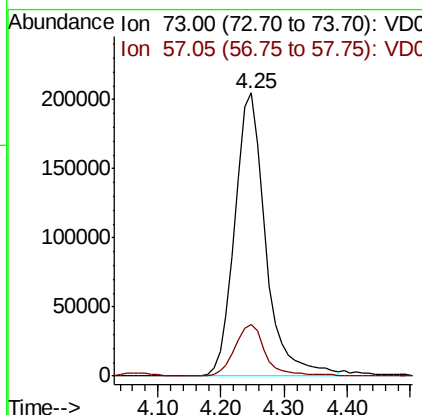
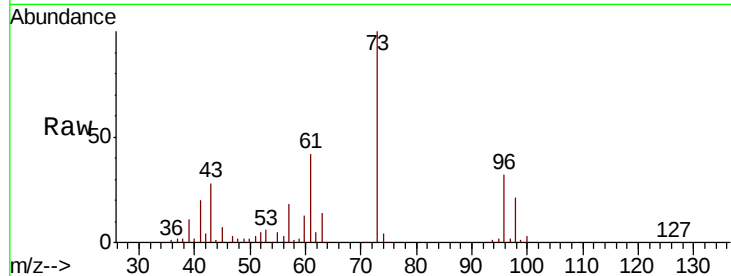




#19
Methyl tert-butyl Ether
Concen: 48.921 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

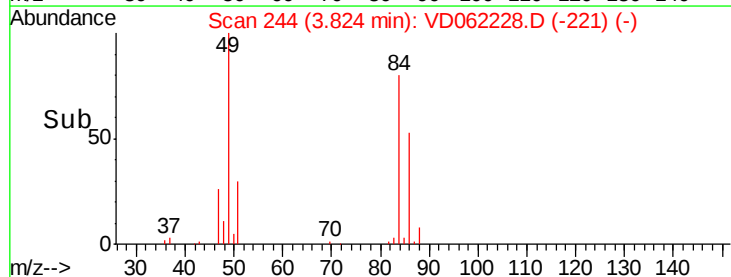
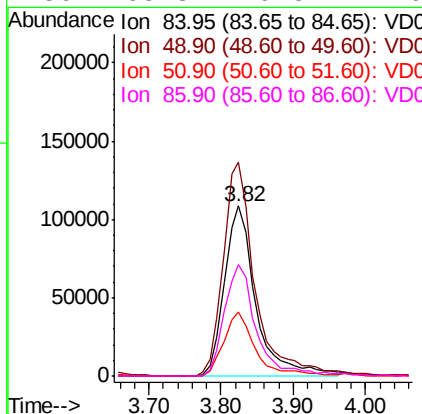
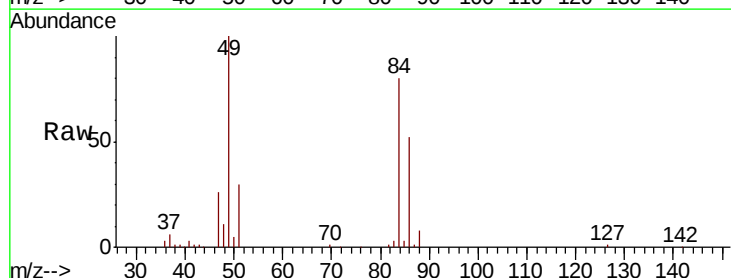
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

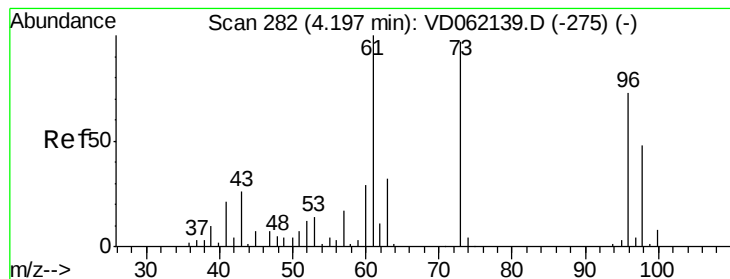
Tot Ion: 73 Resp: 693360
Ion Ratio Lower Upper
73 100
57 18.3 16.3 24.5



#20
Methylene Chloride
Concen: 46.386 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 84 Resp: 327326
Ion Ratio Lower Upper
84 100
49 125.5 94.0 141.0
51 37.7 29.0 43.4
86 65.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.452 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

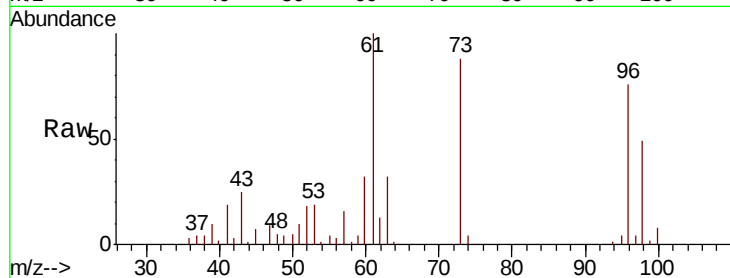
Tot Ion: 96 Resp: 363863

Ion Ratio Lower Upper

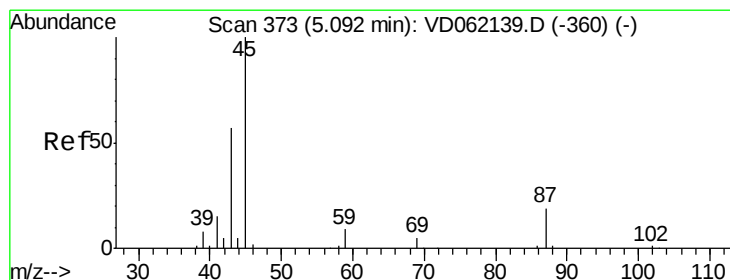
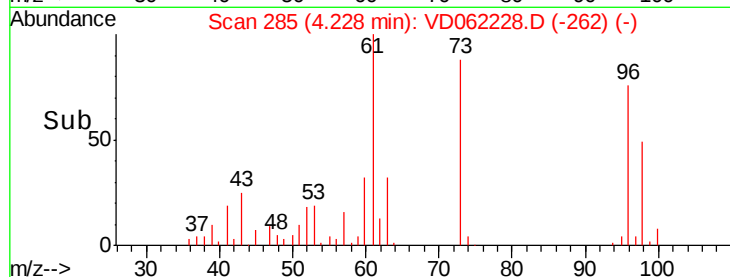
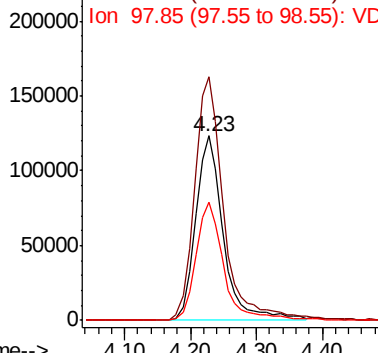
96 100

61 132.0 104.4 156.6

98 64.0 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: 49.089 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion: 45 Resp: 1004297

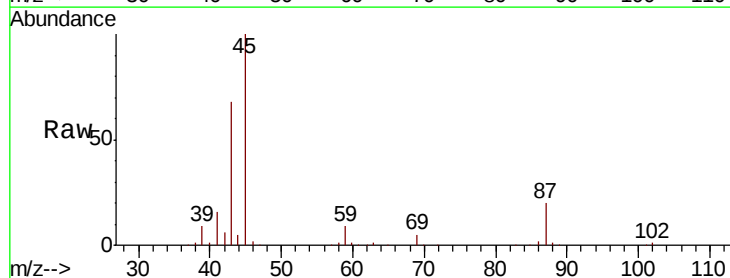
Ion Ratio Lower Upper

45 100

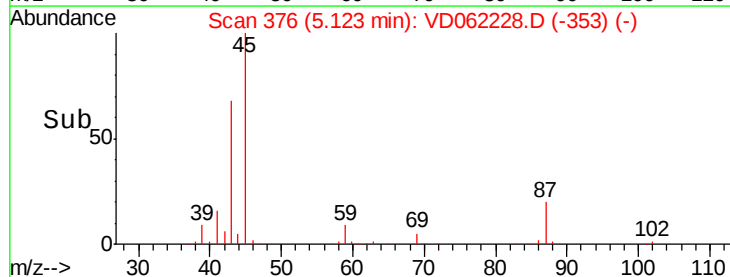
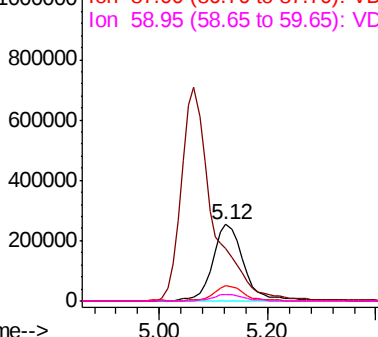
43 68.4 46.2 69.2

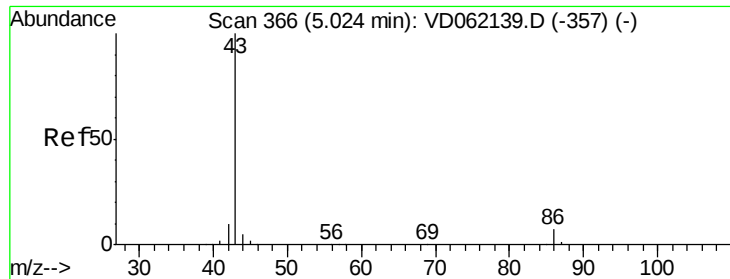
87 20.0 15.9 23.9

59 8.8 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

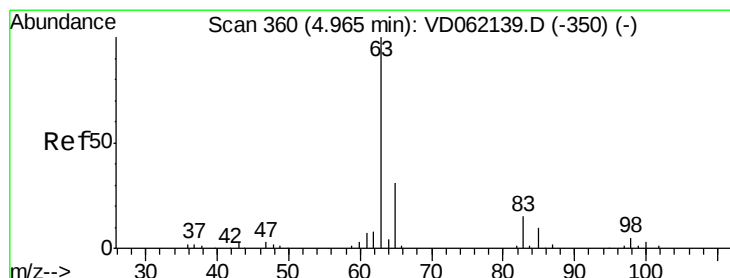
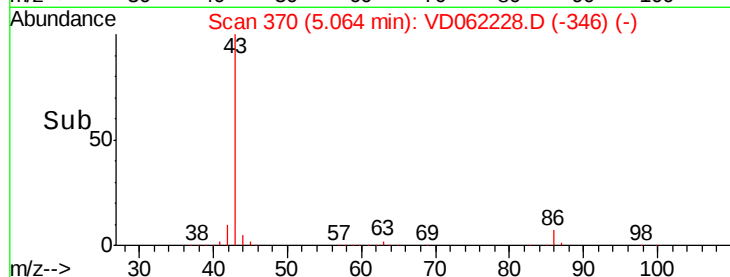
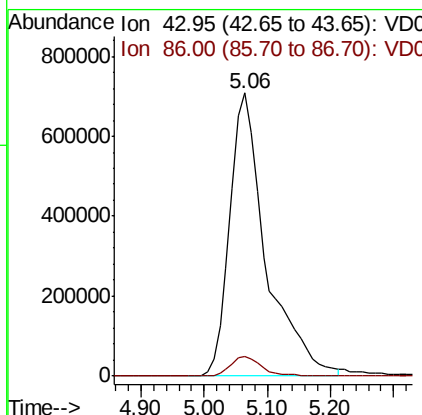
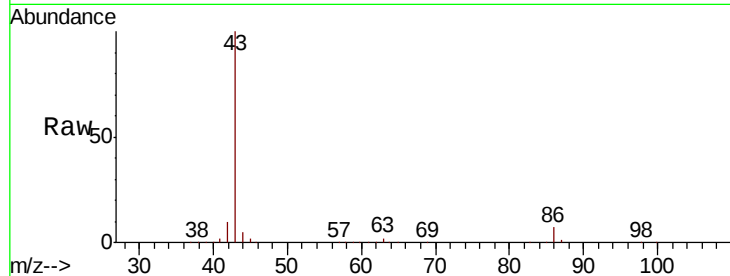




#23
 Vinyl Acetate
 Concen: 261.341 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

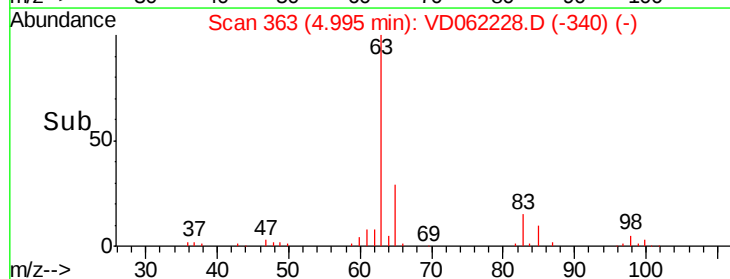
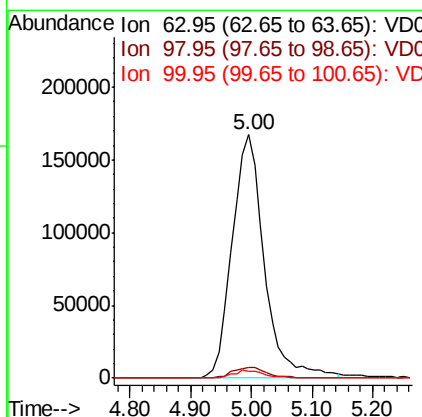
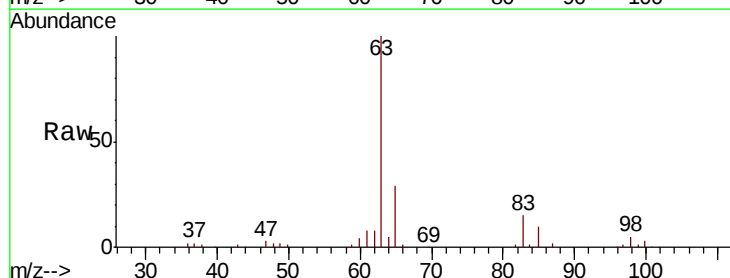
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

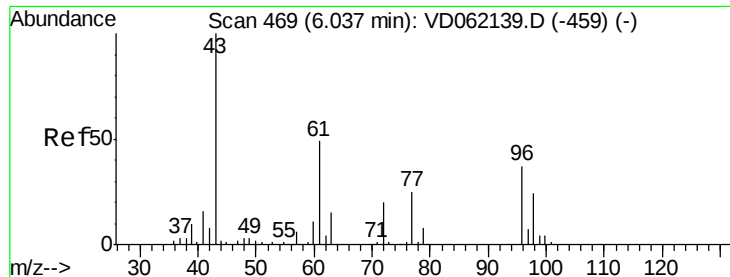
Tot Ion: 43 Resp: 2820983
 Ion Ratio Lower Upper
 43 100
 86 7.1 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 49.821 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 63 Resp: 614886
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 2.6 1.8 5.5





#25

2-Butanone

Concen: 246.051 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

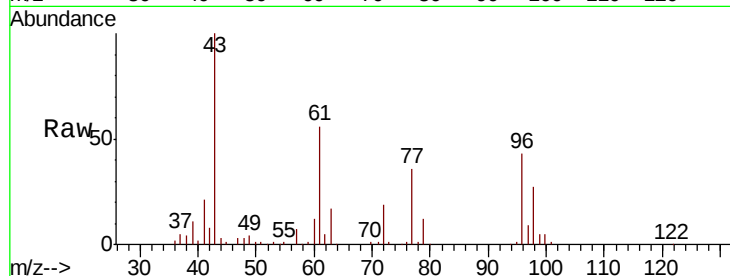
VSTDCCC050

Tot Ion: 43 Resp: 453581

Ion Ratio Lower Upper

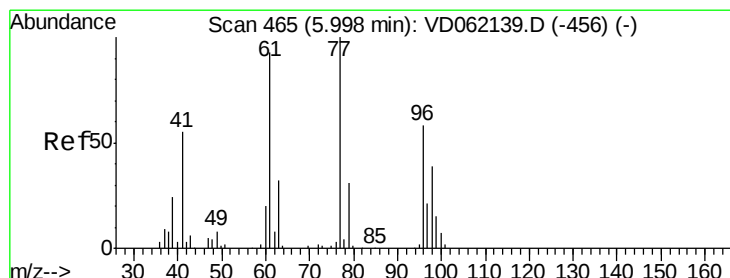
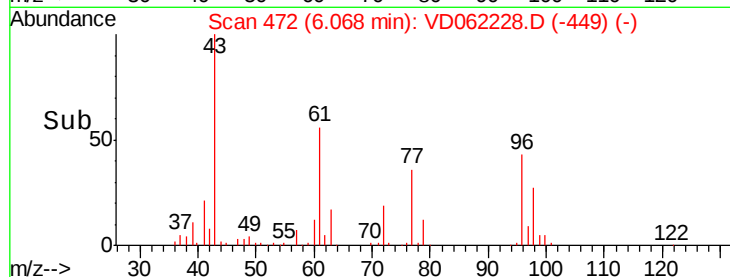
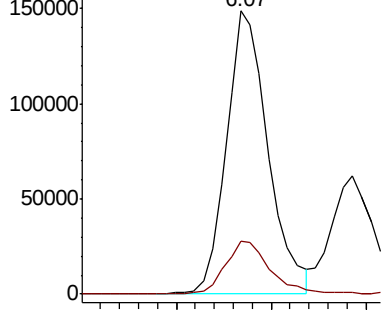
43 100

72 18.8 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: 56.135 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062228.D

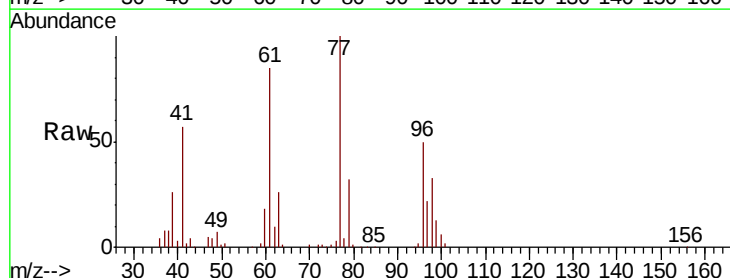
Acq: 11 May 2019 10:48

Tgt Ion: 77 Resp: 690134

Ion Ratio Lower Upper

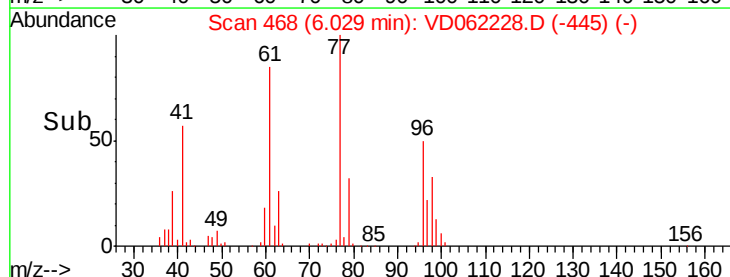
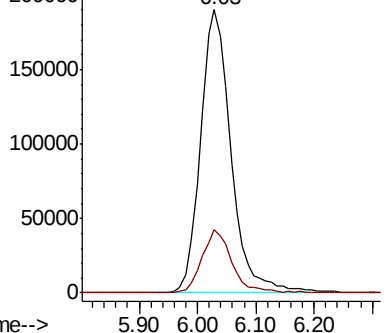
77 100

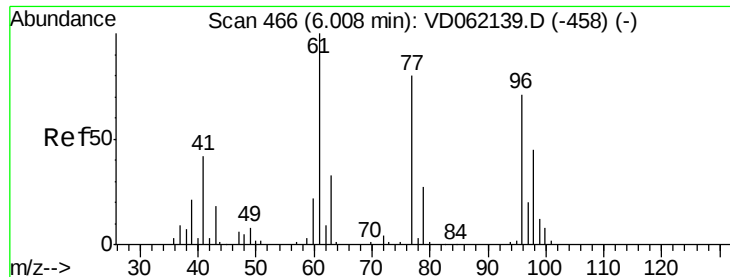
97 22.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



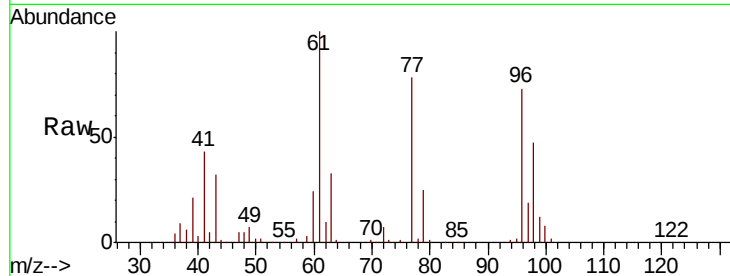


#27

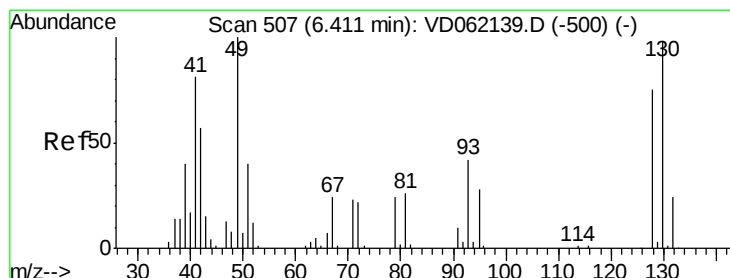
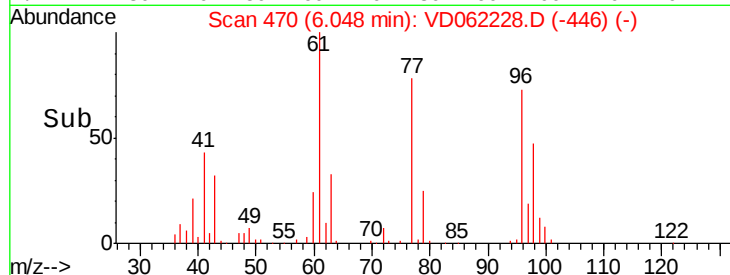
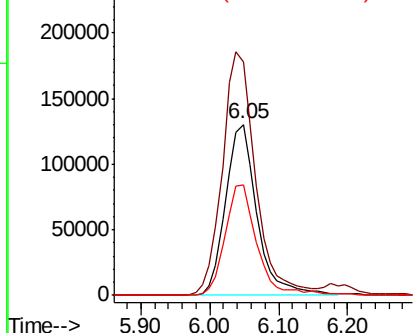
cis-1,2-Dichloroethene
Concen: 50.038 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	279.8
98	64.5	0.0	136.0



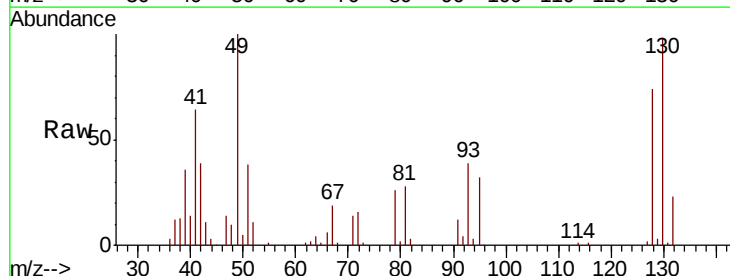
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



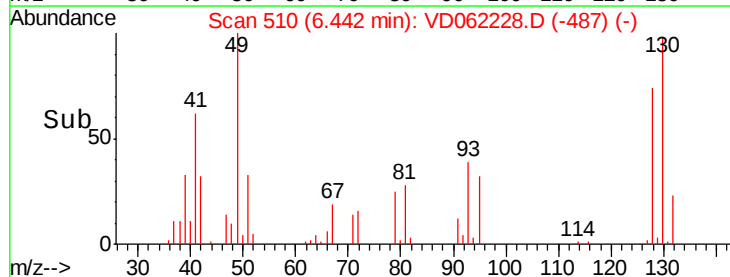
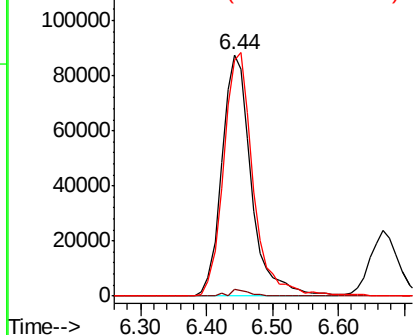
#28

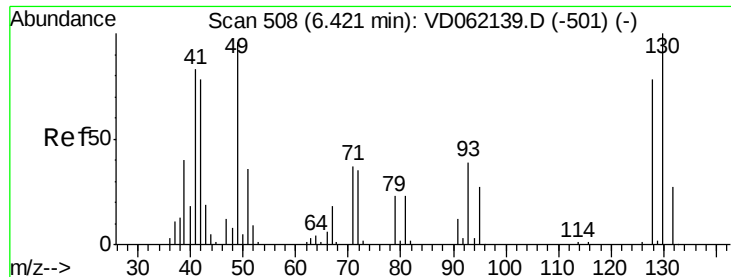
Bromochloromethane
Concen: 56.366 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.6
130	97.9	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

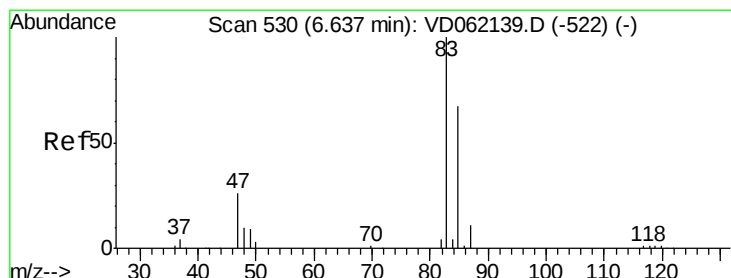
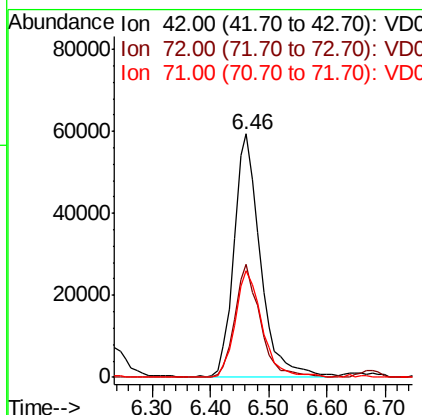
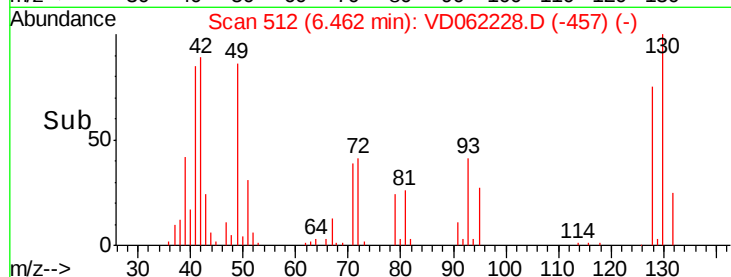
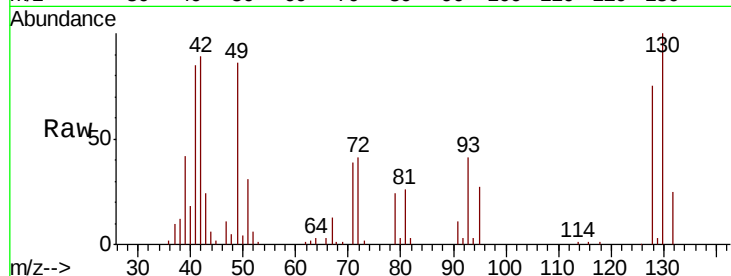




#29
Tetrahydrofuran
Concen: 221.227 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

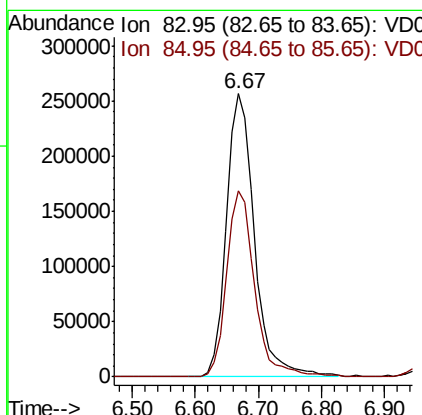
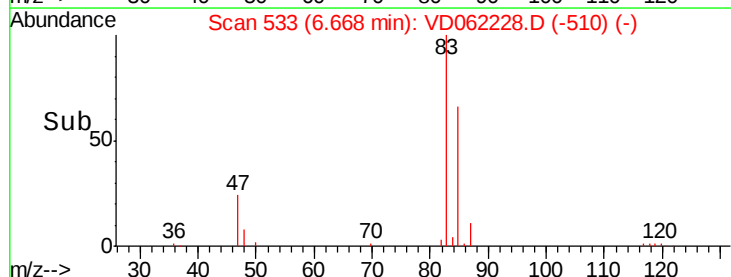
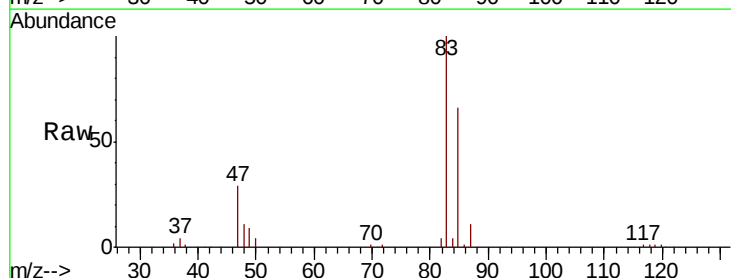
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

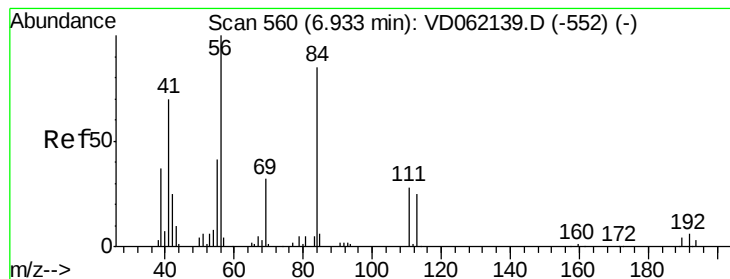
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.8	56.6
71	44.2	36.7	55.1



#30
Chloroform
Concen: 52.714 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5





#31

Cyclohexane

Concen: 51.160 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

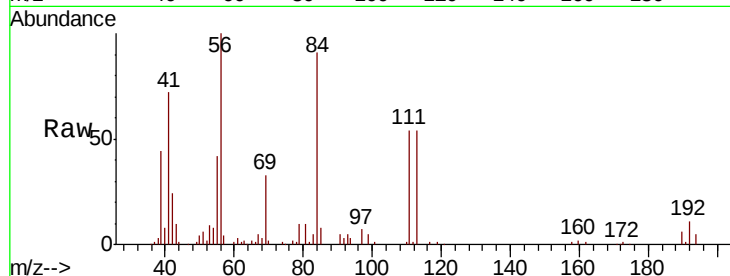
Tot Ion: 56 Resp: 432583

Ion Ratio Lower Upper

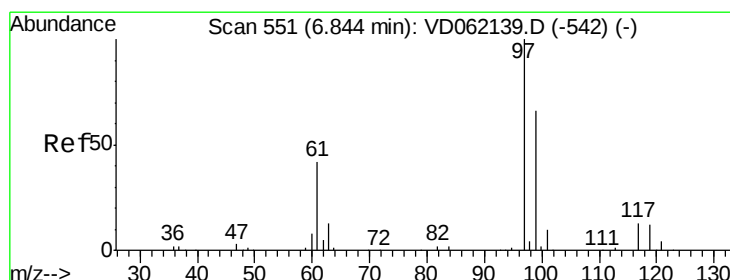
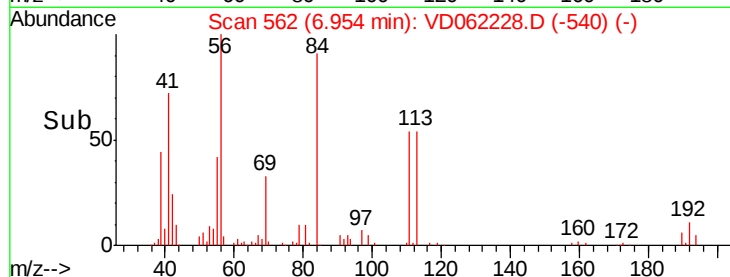
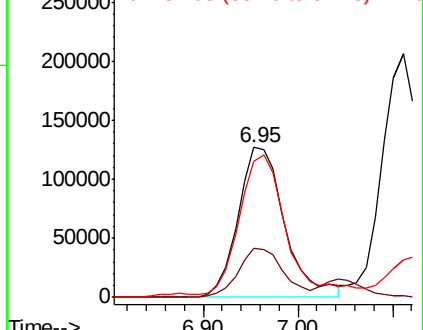
56 100

69 32.6 25.8 38.6

84 91.1 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: 55.499 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

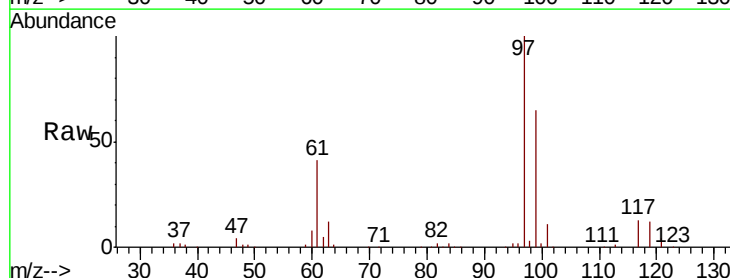
Tgt Ion: 97 Resp: 780254

Ion Ratio Lower Upper

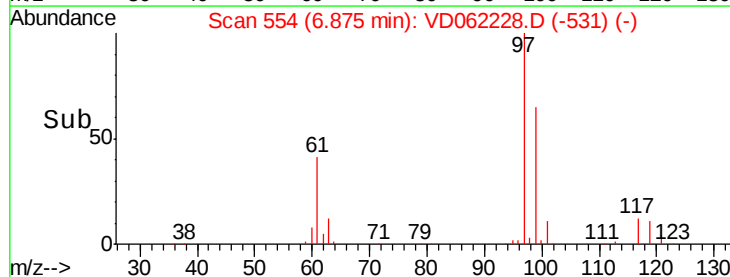
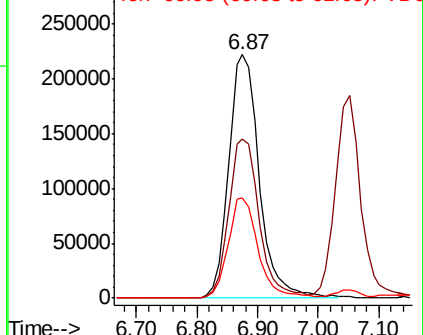
97 100

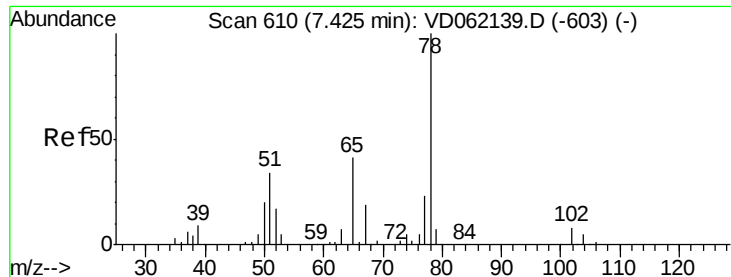
99 65.1 52.2 78.2

61 41.3 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

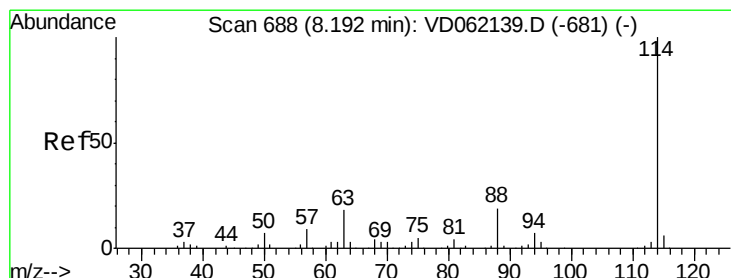
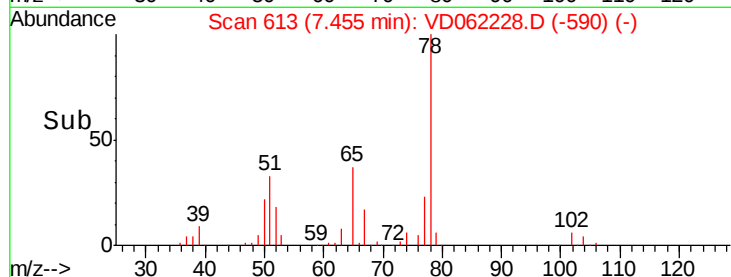
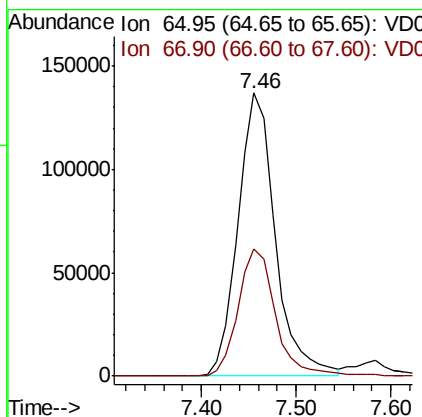
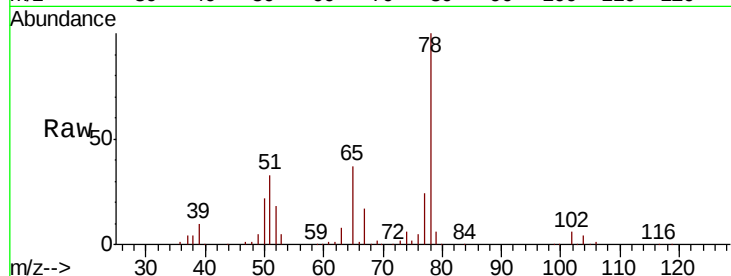




#33
 1,2-Dichloroethane-d4
 Concen: 46.452 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

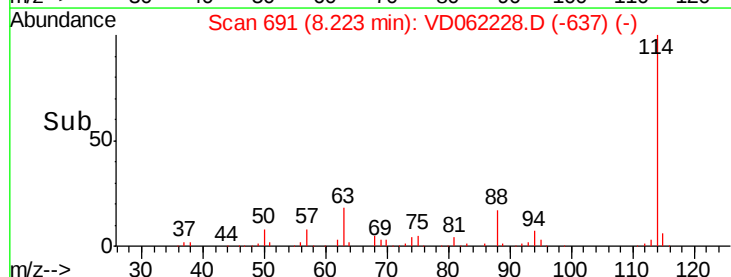
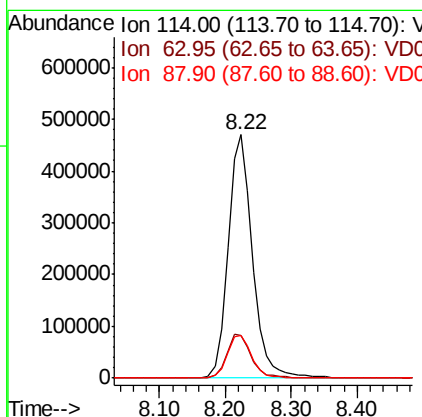
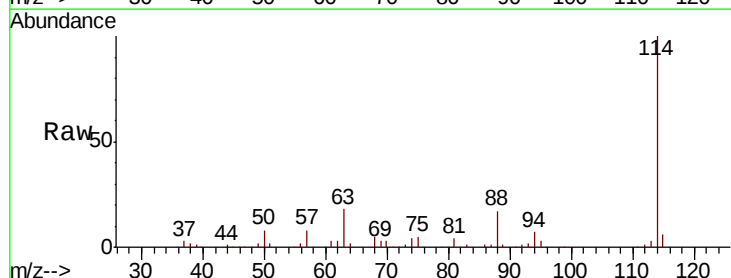
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

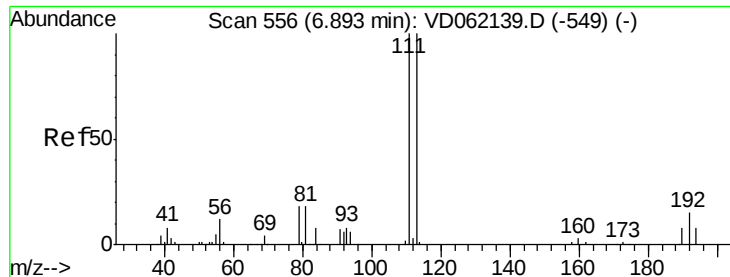
Tot Ion: 65 Resp: 374358
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 114 Resp: 1211093
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 32.4
 88 17.5 0.0 33.6

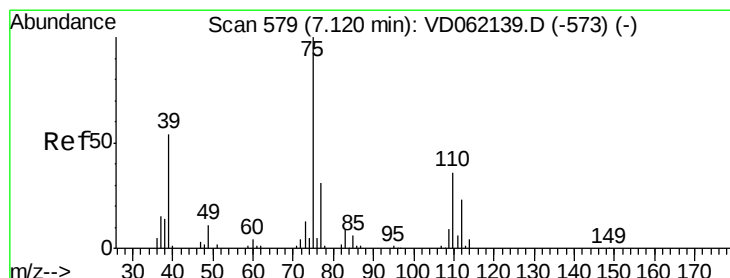
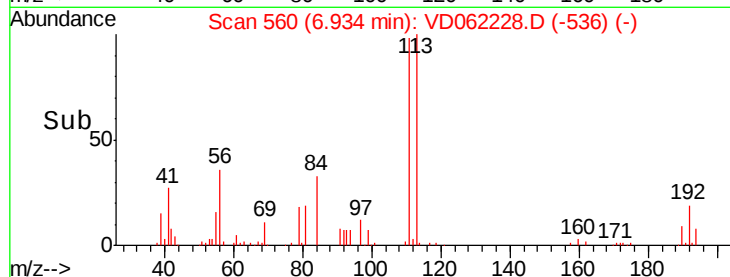
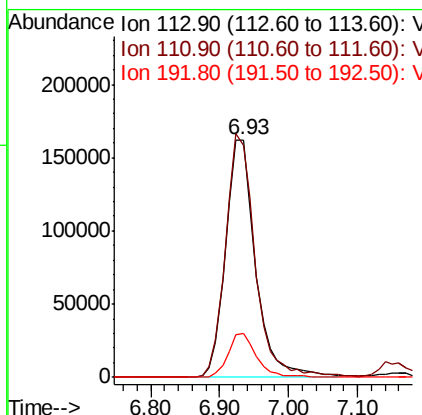
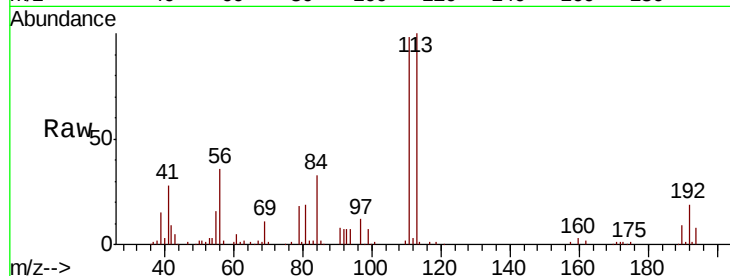




#35
 Dibromofluoromethane
 Concen: 48.754 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

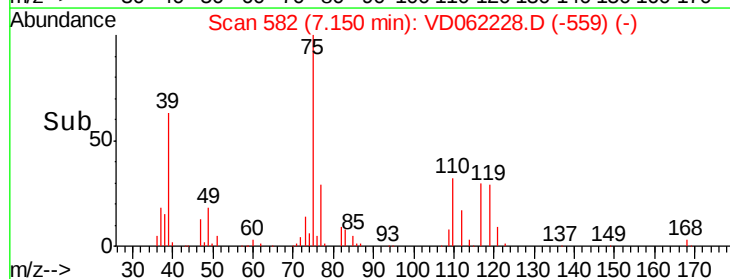
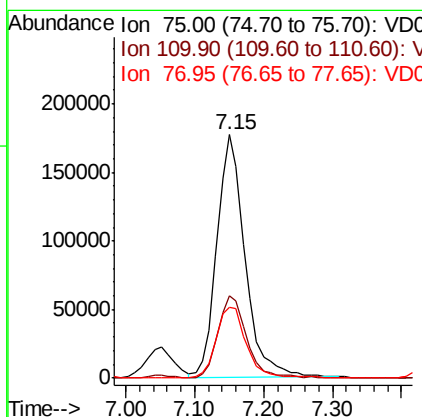
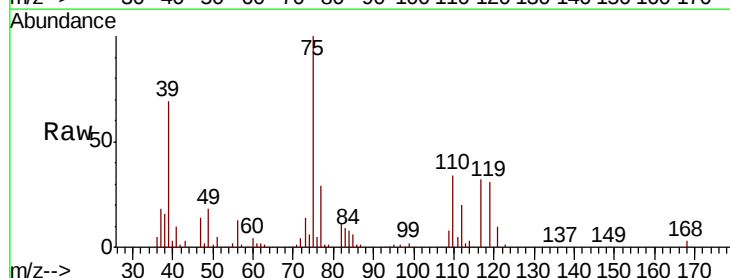
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

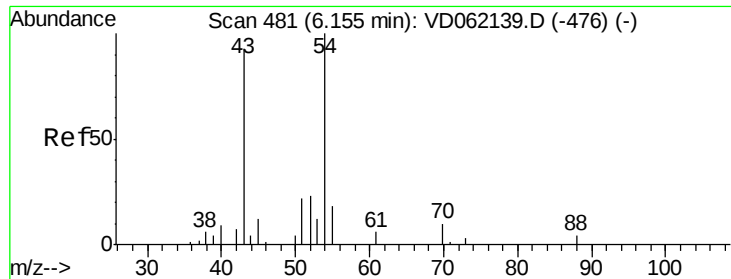
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.8	78.5	117.7
192	18.6	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 50.580 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.1
77	28.8	25.6	38.4

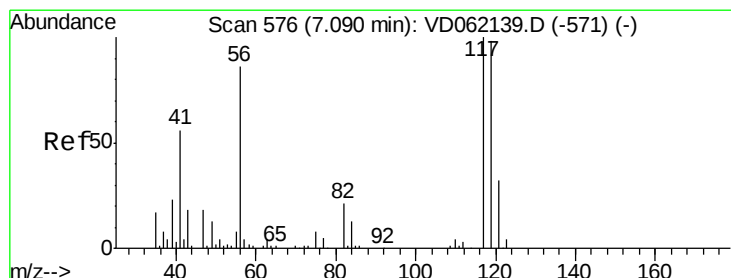
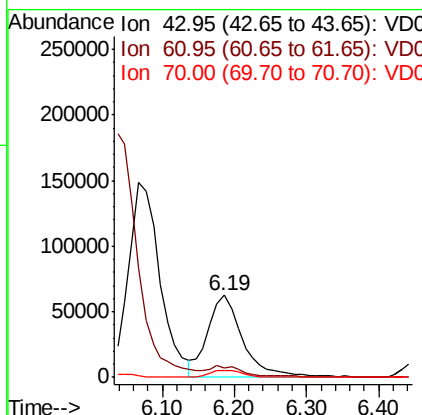
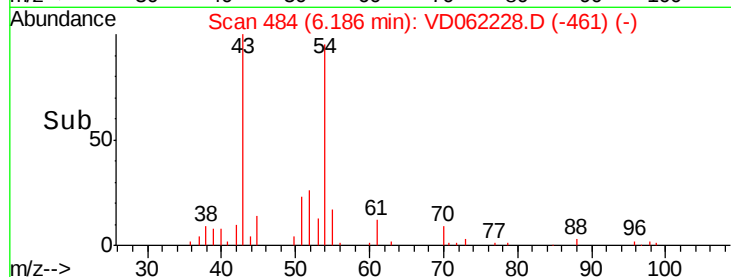
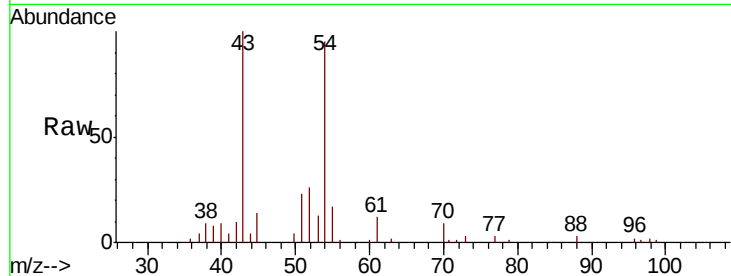




#37
Ethyl Acetate
Concen: 48.462 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

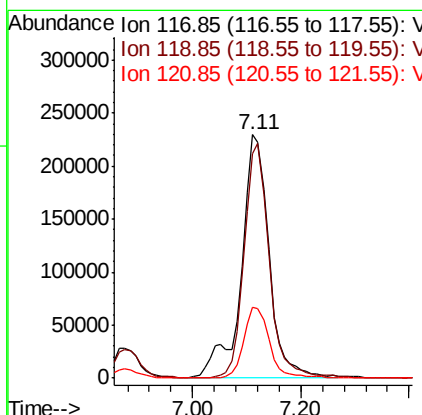
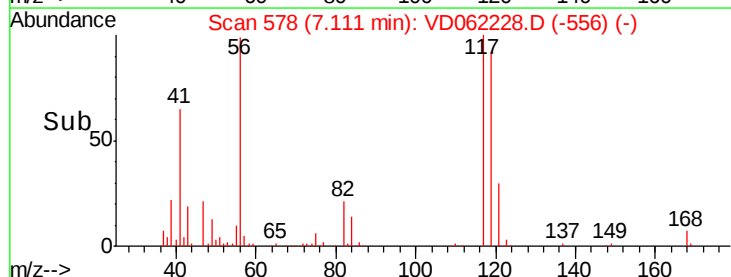
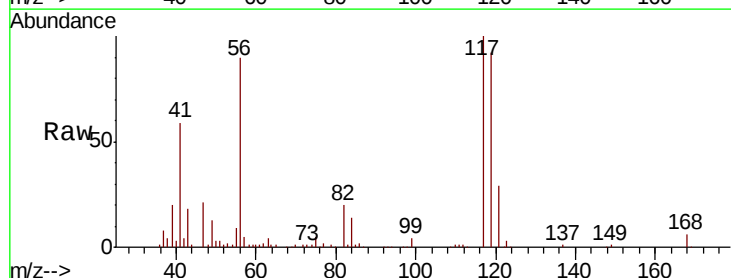
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

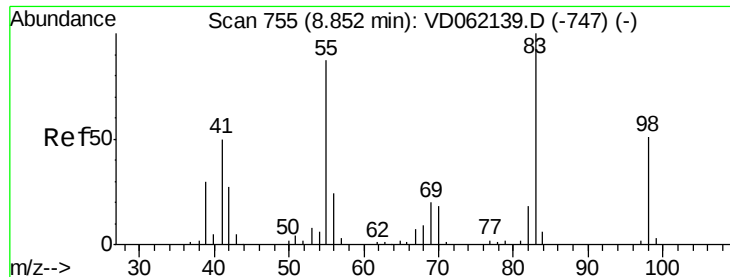
Tot Ion: 43 Resp: 204077
Ion Ratio Lower Upper
43 100
61 12.2 14.7 22.1#
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 59.587 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 117 Resp: 818952
Ion Ratio Lower Upper
117 100
119 92.3 75.8 113.8
121 29.3 25.9 38.9

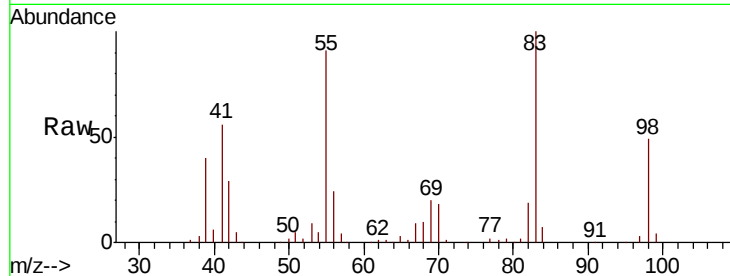




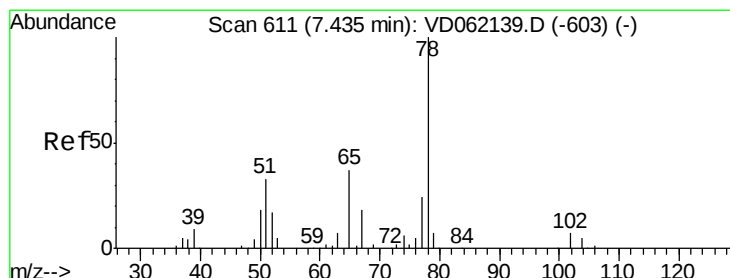
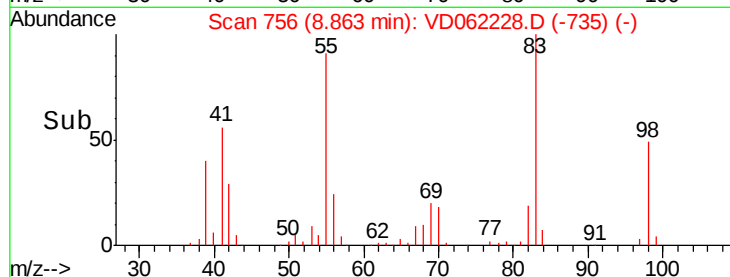
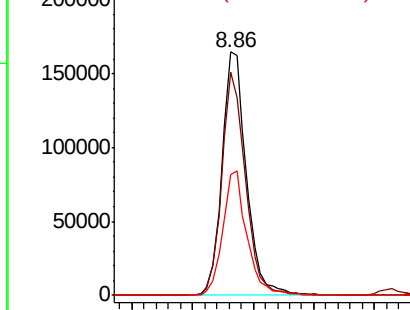
#39
Methvlcvclohexane
Concen: 48.337 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 459877
Ion Ratio Lower Upper
83 100
55 91.4 68.2 102.4
98 49.3 38.2 57.4

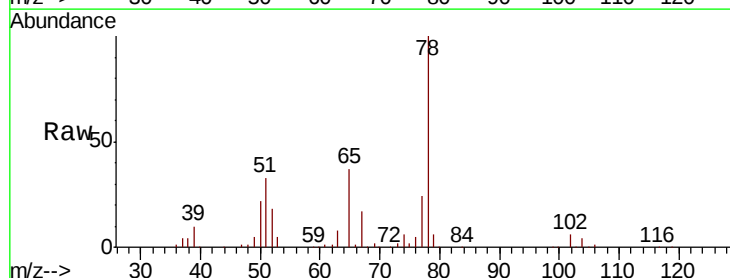


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

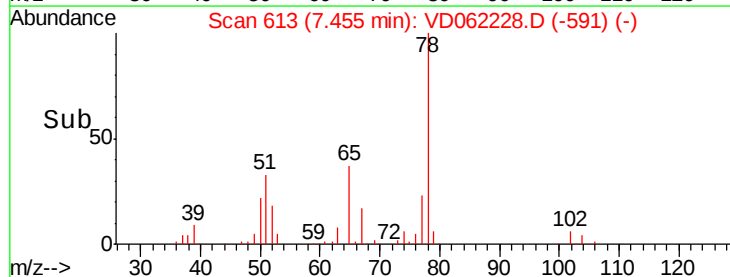
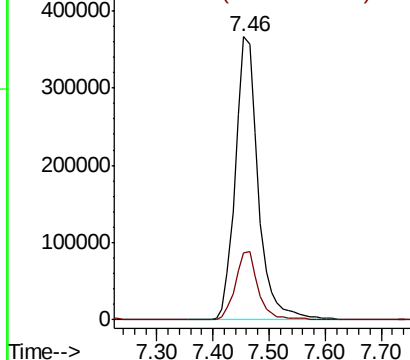


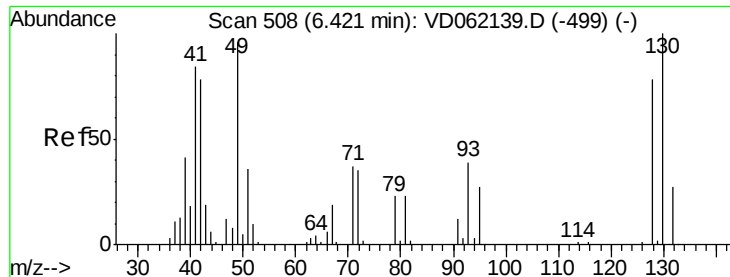
#40
Benzene
Concen: 46.333 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 78 Resp: 1038905
Ion Ratio Lower Upper
78 100
77 23.5 19.7 29.5



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

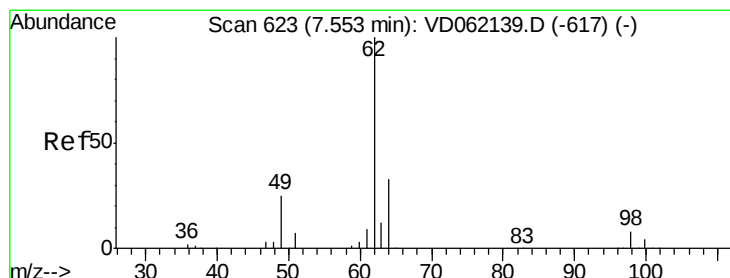
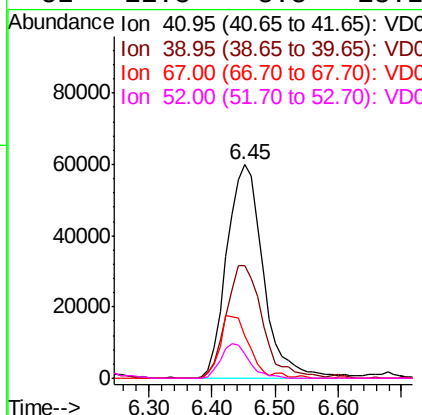
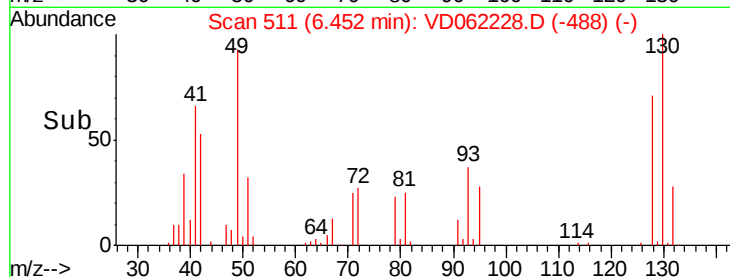
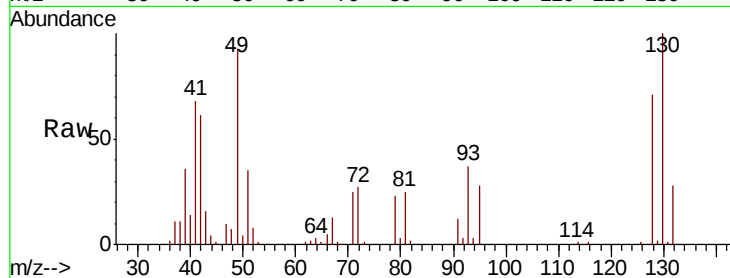




#41
Methacrylonitrile
Concen: 46.496 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

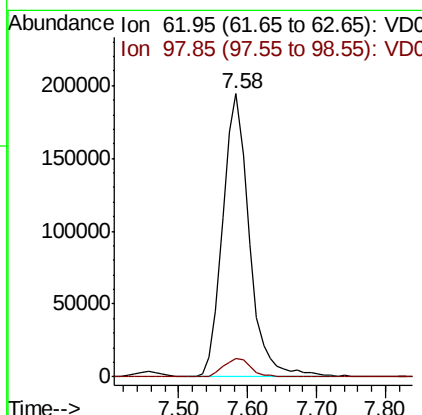
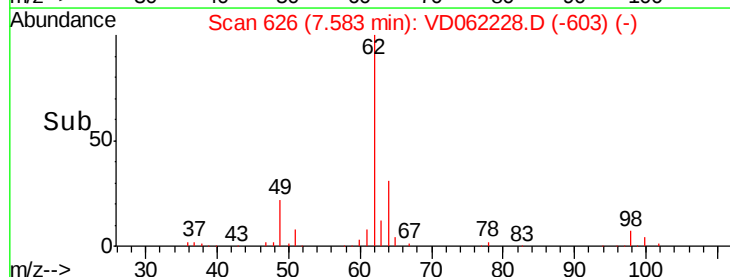
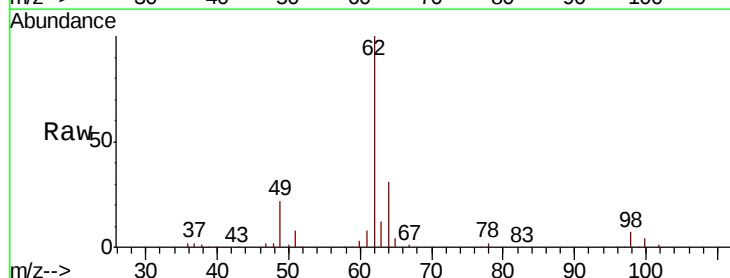
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

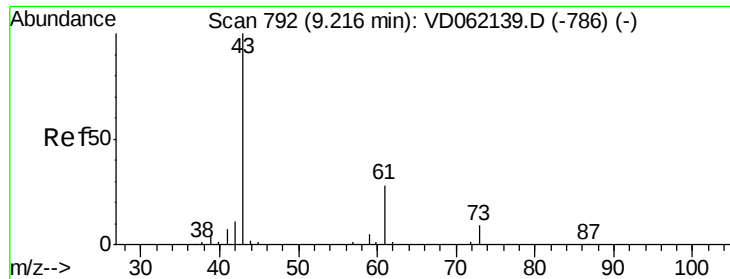
Tot Ion: 41 Resp: 239277
Ion Ratio Lower Upper
41 100
39 52.6 34.1 51.1#
67 19.7 23.8 35.6#
52 11.3 8.8 13.2



#42
1,2-Dichloroethane
Concen: 54.943 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 62 Resp: 521969
Ion Ratio Lower Upper
62 100
98 6.6 0.0 17.8



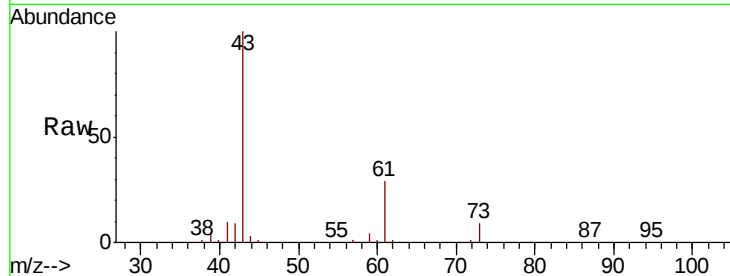


#43

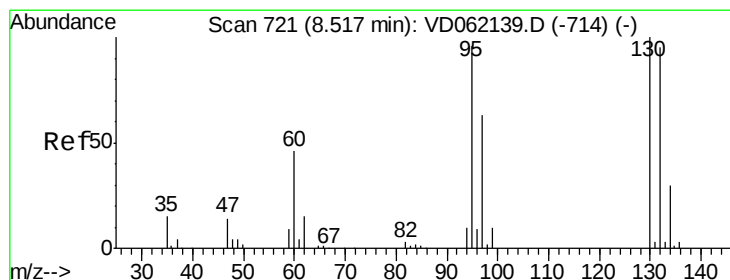
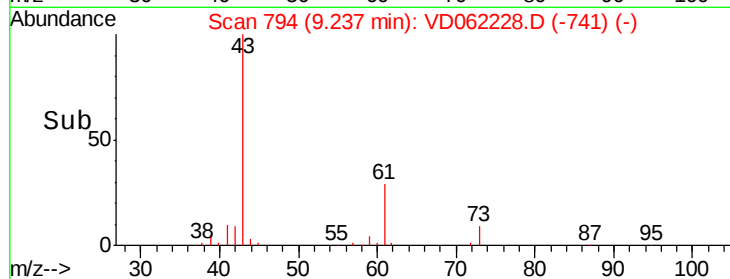
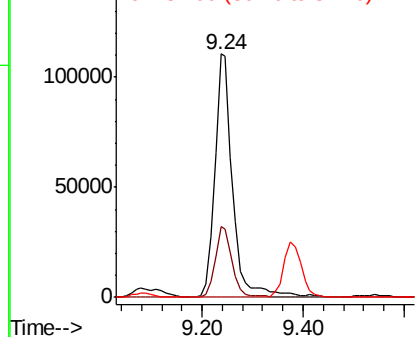
Isopropyl Acetate
 Concen: 46.478 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 277580
 Ion Ratio Lower Upper
 43 100
 61 29.3 25.1 37.7
 87 0.3 0.0 0.0#



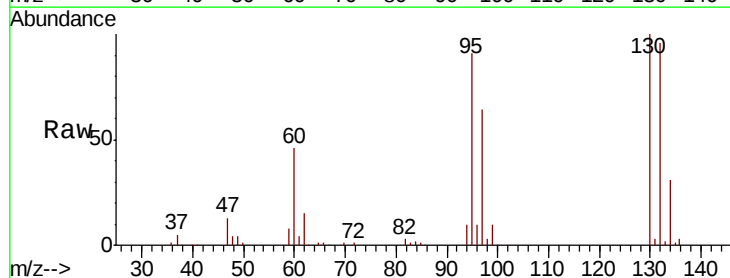
Abundance Ion 42.95 (42.65 to 43.65): VDC
 150000 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



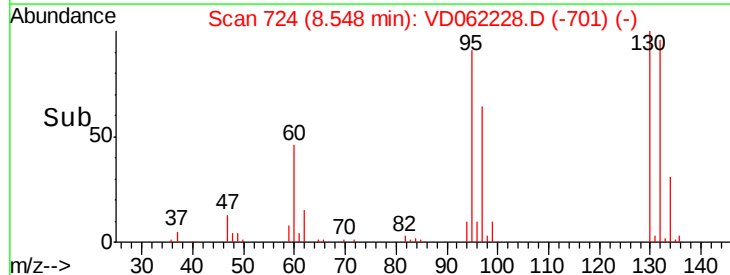
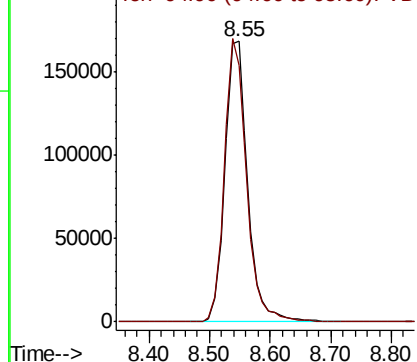
#44

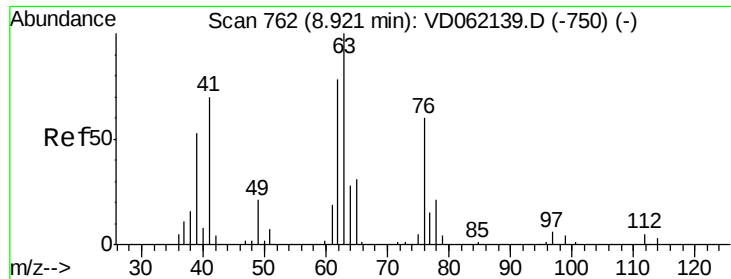
Trichloroethene
 Concen: 51.280 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 130 Resp: 438154
 Ion Ratio Lower Upper
 130 100
 95 91.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V
 200000 Ion 94.90 (94.60 to 95.60): VDC

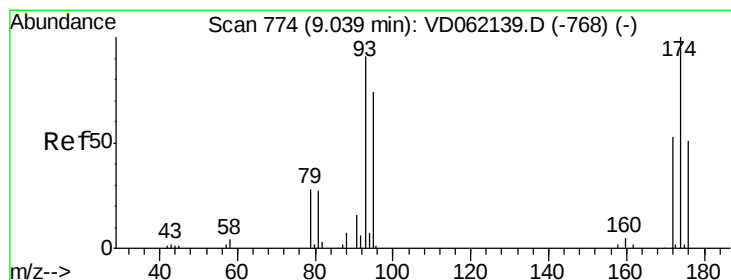
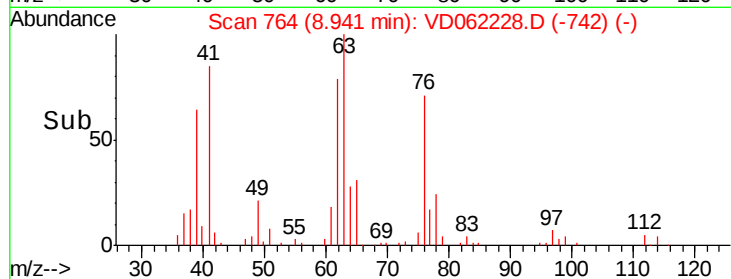
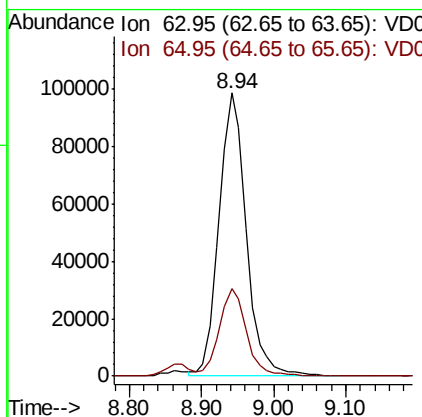
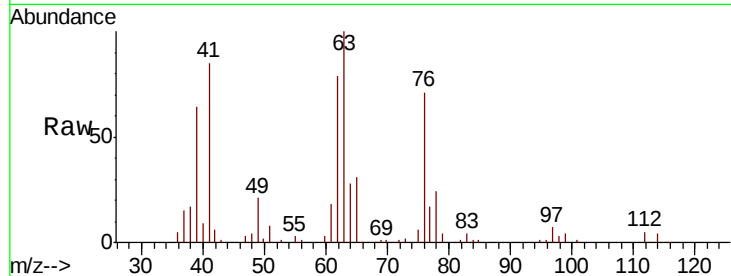




#45
 1,2-Dichloropropane
 Concen: 46.582 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

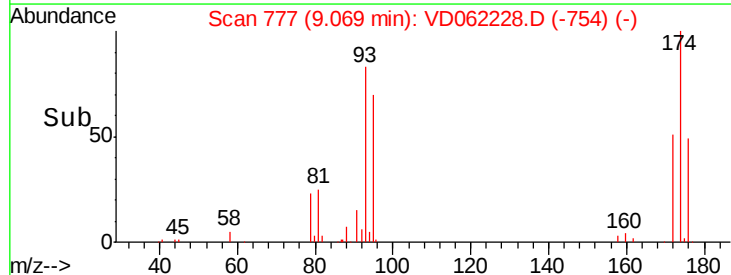
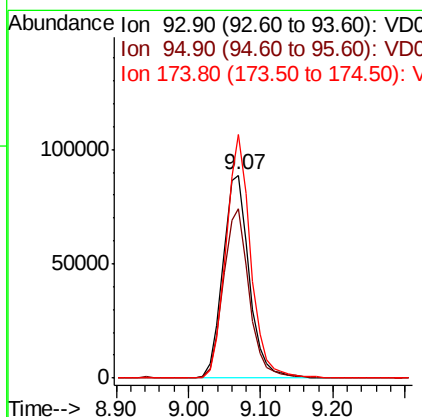
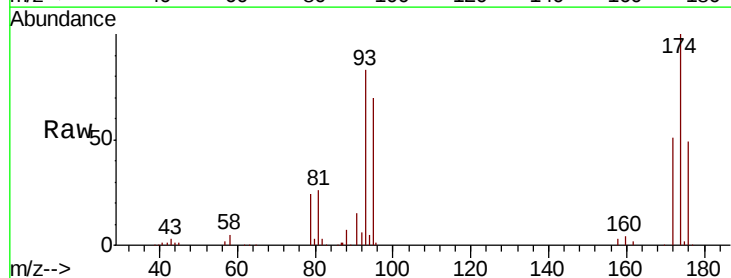
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

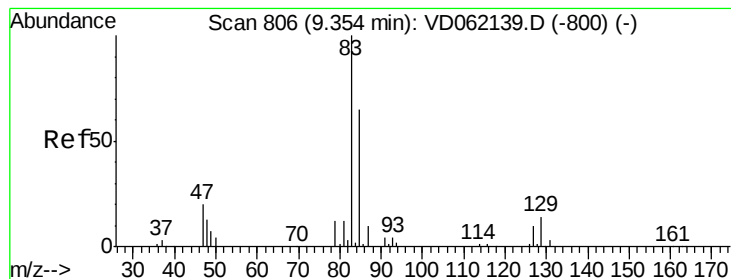
Tot Ion: 63 Resp: 258354
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#46
 Dibromomethane
 Concen: 49.532 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 93 Resp: 223396
 Ion Ratio Lower Upper
 93 100
 95 83.6 64.8 97.2
 174 120.0 79.3 118.9#





#47

Bromodichloromethane

Concen: 53.185 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

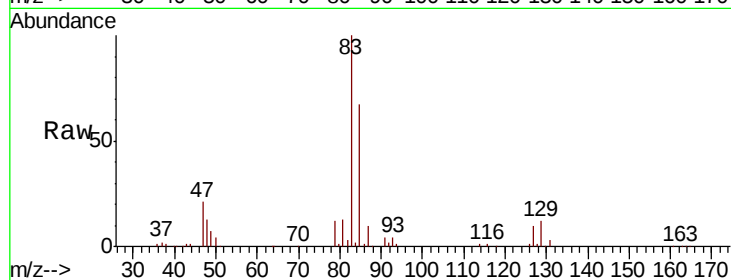
Tot Ion: 83 Resp: 586741

Ion Ratio Lower Upper

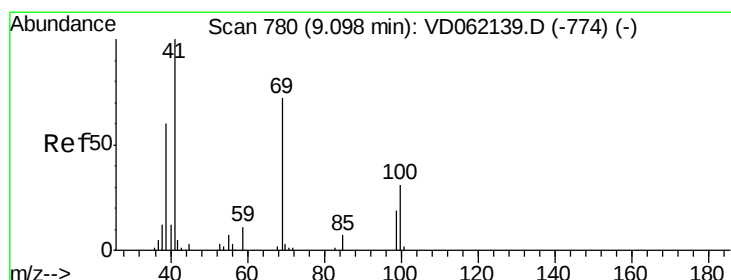
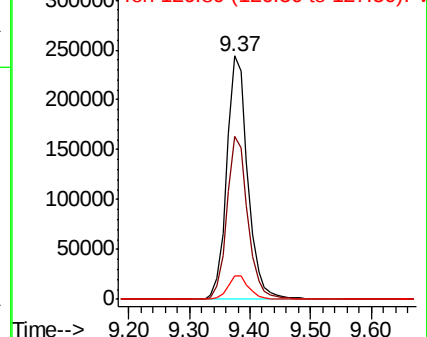
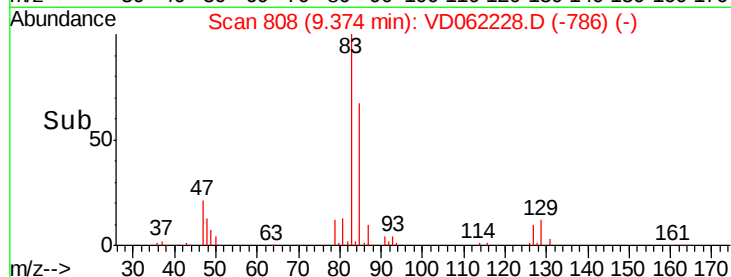
83 100

85 67.0 50.9 76.3

127 9.7 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: 46.681 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

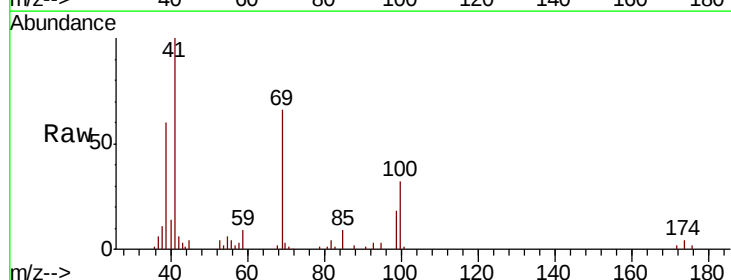
Tgt Ion: 41 Resp: 171725

Ion Ratio Lower Upper

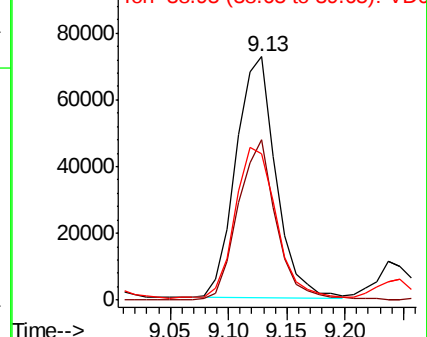
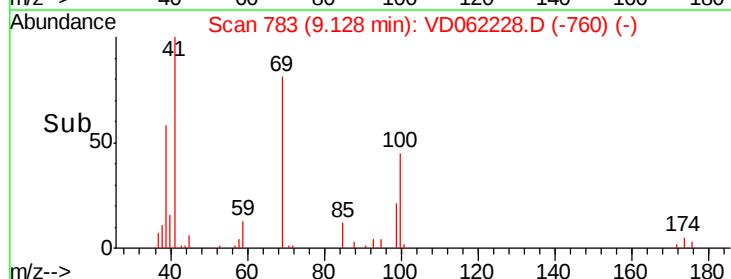
41 100

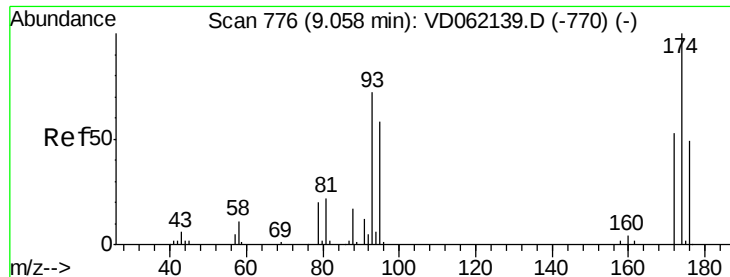
69 66.0 64.2 96.2

39 59.9 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: 844.973 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

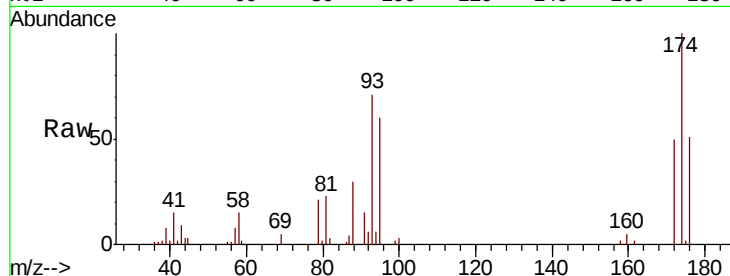
Tot Ion: 88 Resp: 33538

Ion Ratio Lower Upper

88 100

43 30.6 23.4 35.0

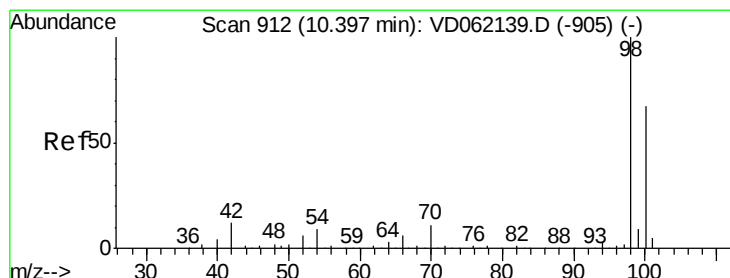
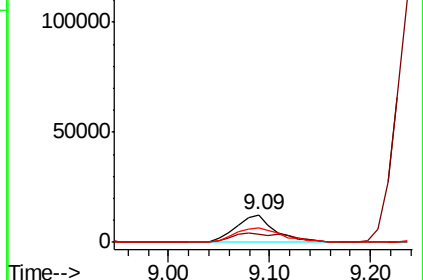
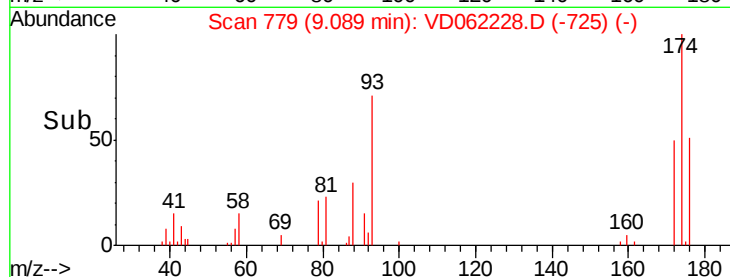
58 51.4 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 42.116 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062228.D

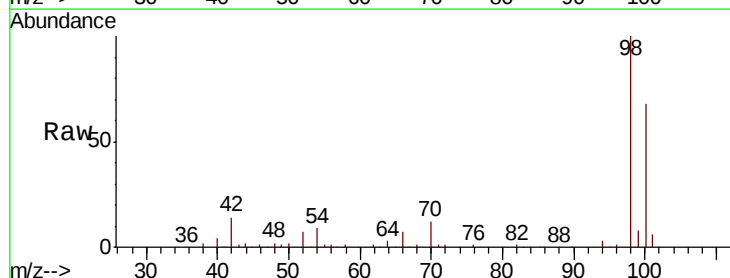
Acq: 11 May 2019 10:48

Tgt Ion: 98 Resp: 1020369

Ion Ratio Lower Upper

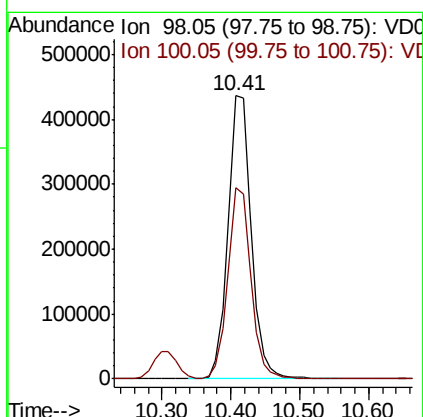
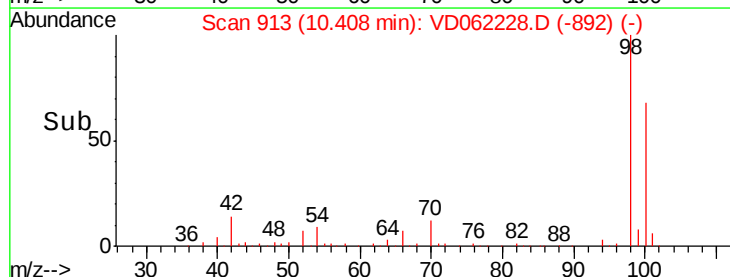
98 100

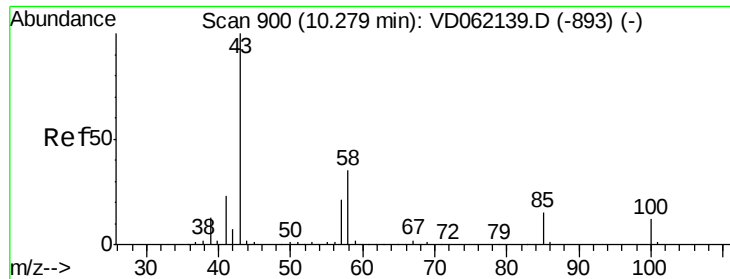
100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 225.455 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

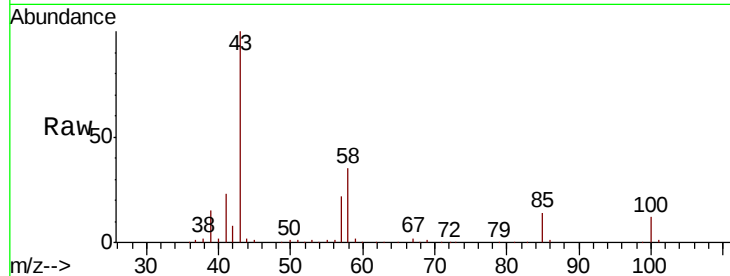
VSTDCCC050

Tot Ion: 43 Resp: 865529

Ion Ratio Lower Upper

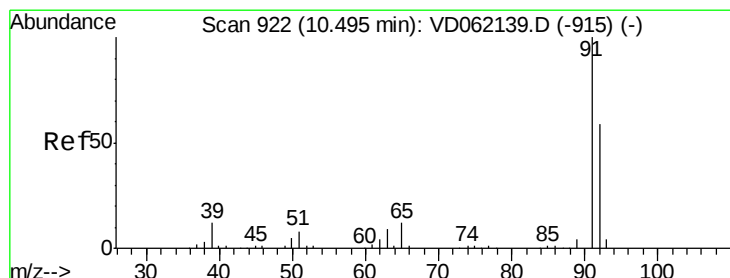
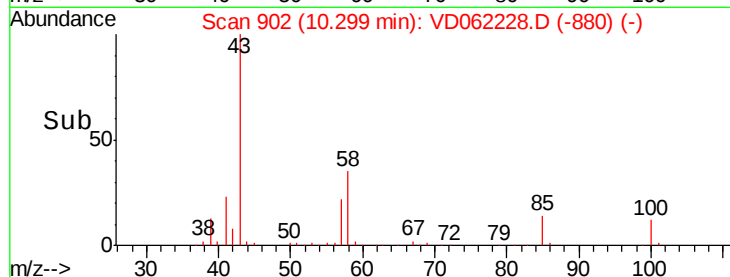
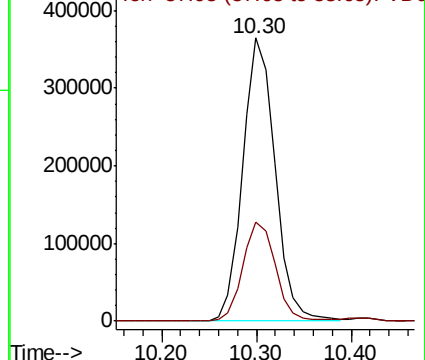
43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.257 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062228.D

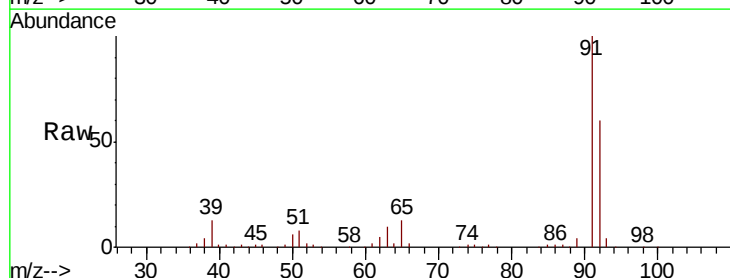
Acq: 11 May 2019 10:48

Tgt Ion: 92 Resp: 747801

Ion Ratio Lower Upper

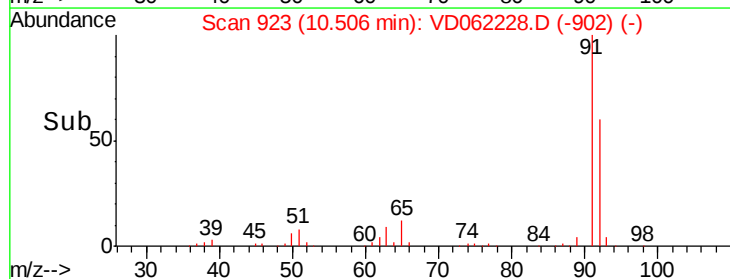
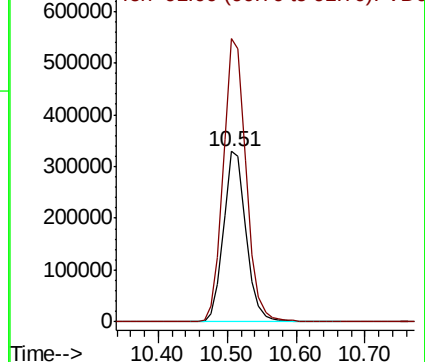
92 100

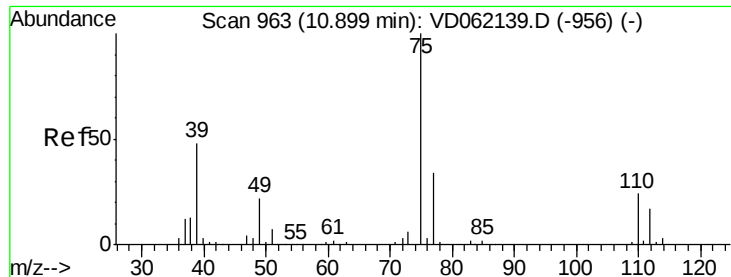
91 166.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

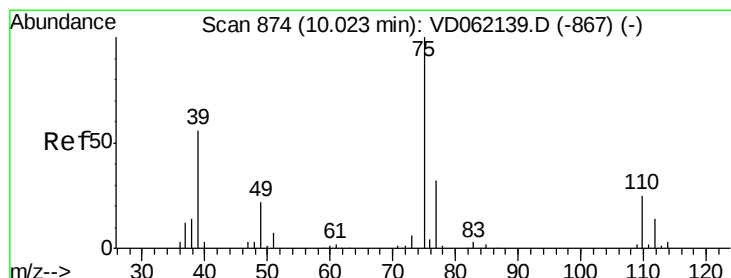
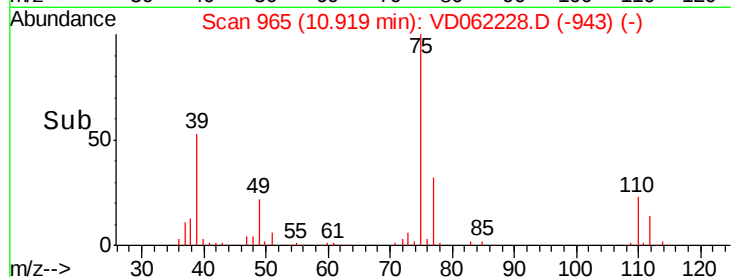
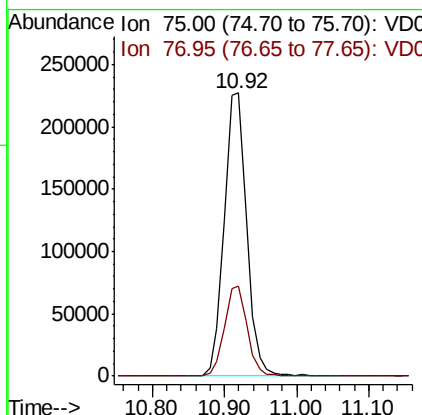
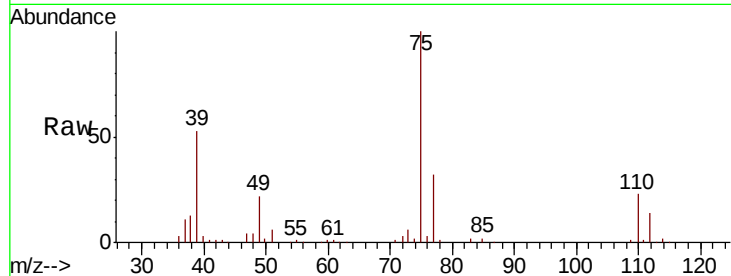




#53
 t-1,3-Dichloropropene
 Concen: 51.433 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

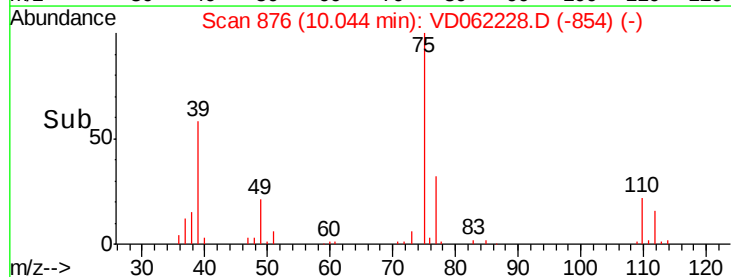
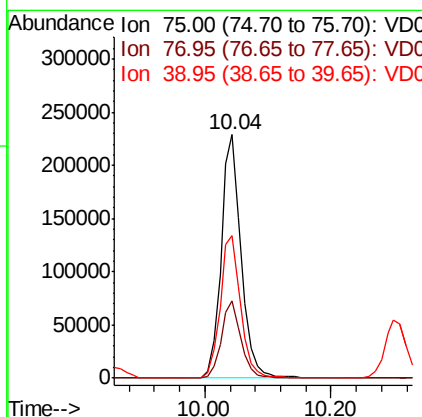
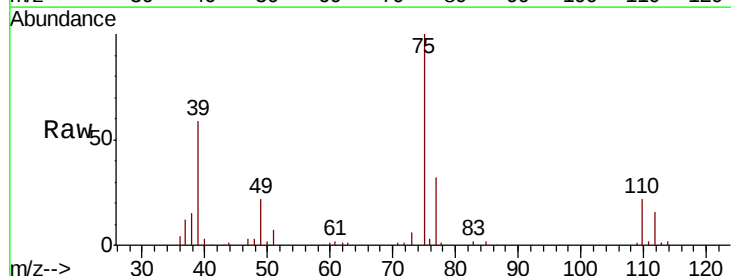
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

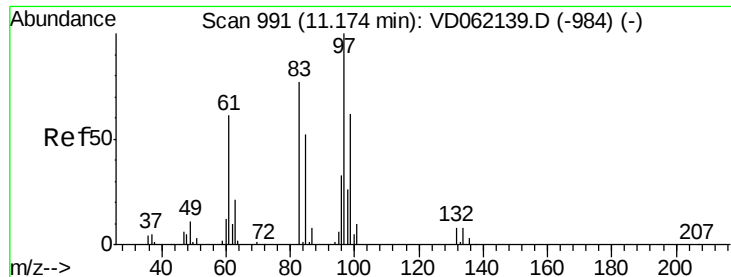
Tot Ion: 75 Resp: 490396
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 48.151 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 75 Resp: 500851
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 58.7 39.4 59.2

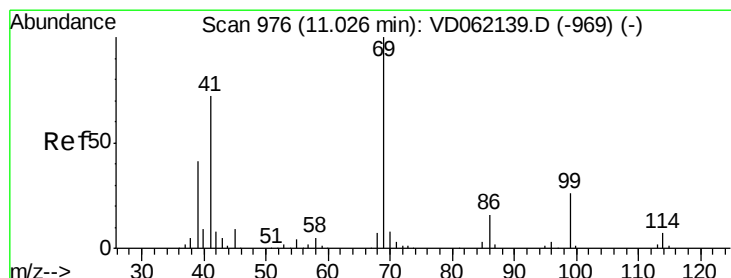
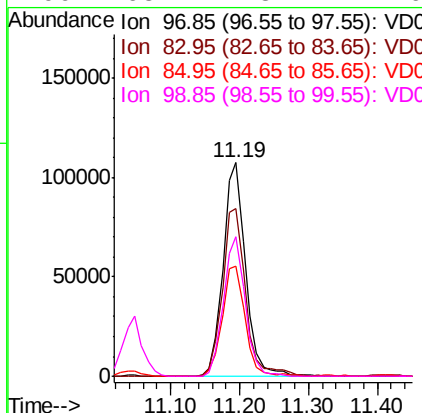
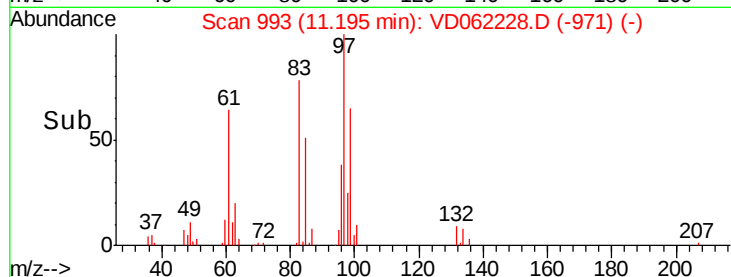
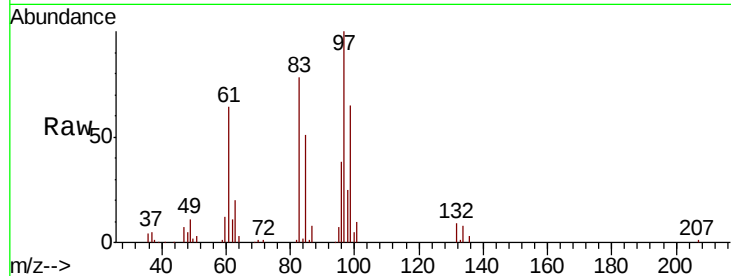




#55
 1,1,2-Trichloroethane
 Concen: 46.710 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

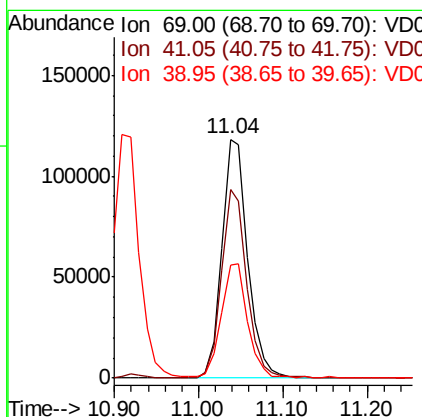
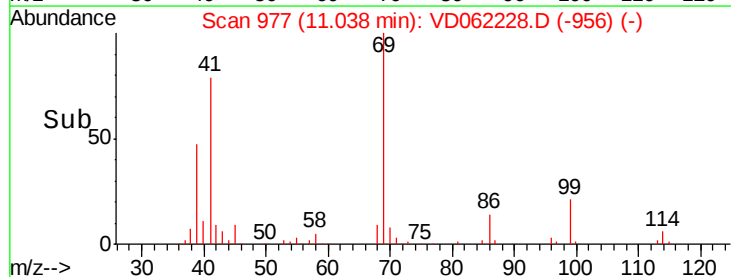
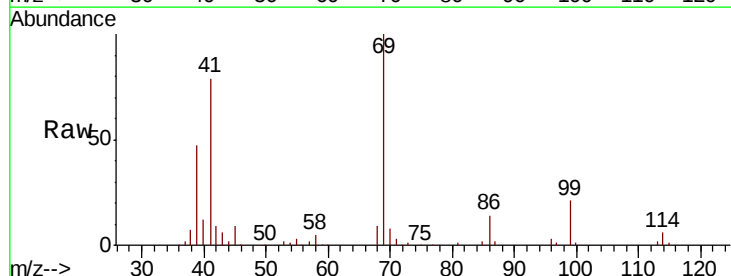
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

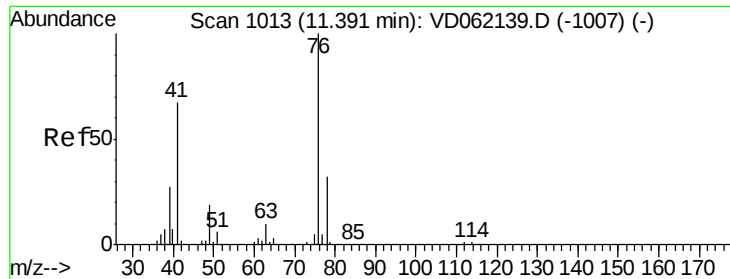
Tot Ion:	97	Resp:	241113
Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.7	98.5
85	51.5	45.6	68.4
99	65.4	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 46.779 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:	69	Resp:	250924
Ion	Ratio	Lower	Upper
69	100		
41	78.7	56.3	84.5
39	47.1	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 50.257 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

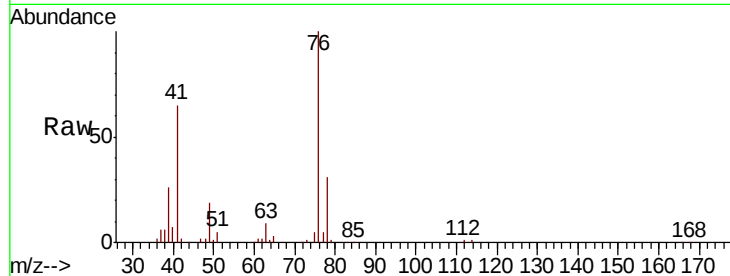
VSTDCCC050

Tot Ion: 76 Resp: 391925

Ion Ratio Lower Upper

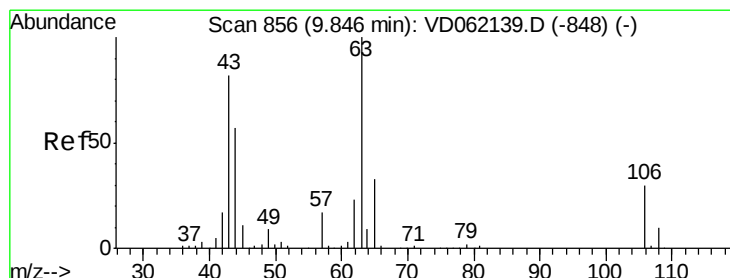
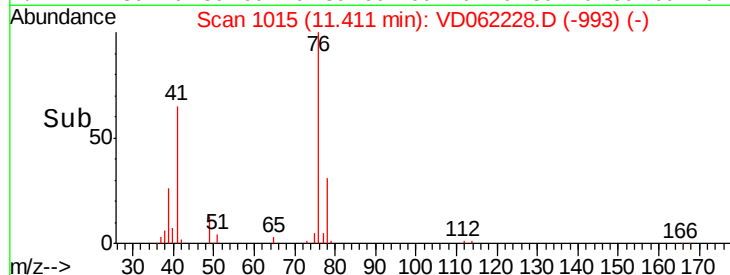
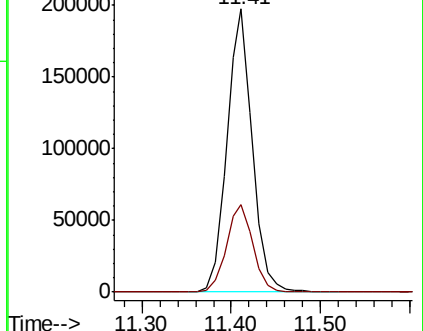
76 100

78 31.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 255.680 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062228.D

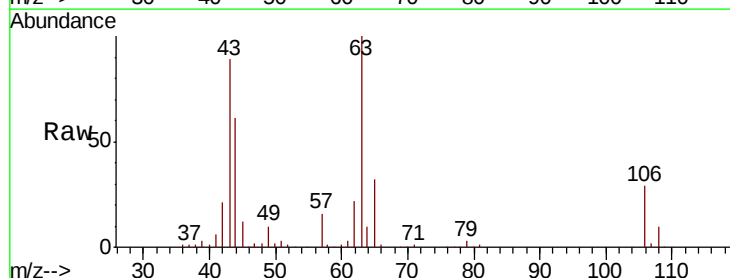
Acq: 11 May 2019 10:48

Tgt Ion: 63 Resp: 749152

Ion Ratio Lower Upper

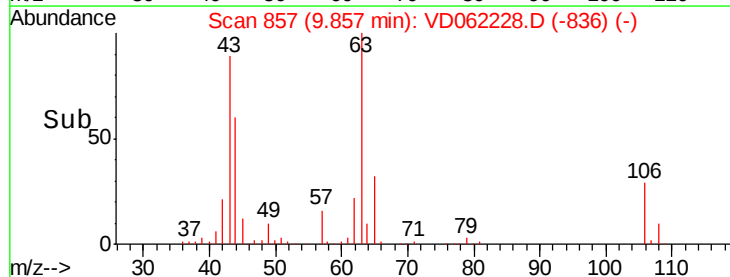
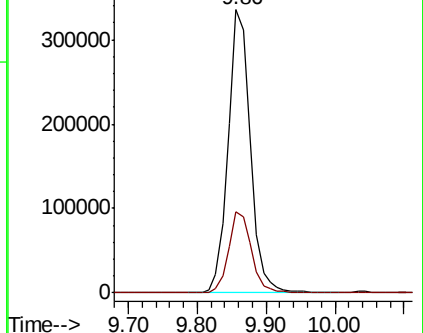
63 100

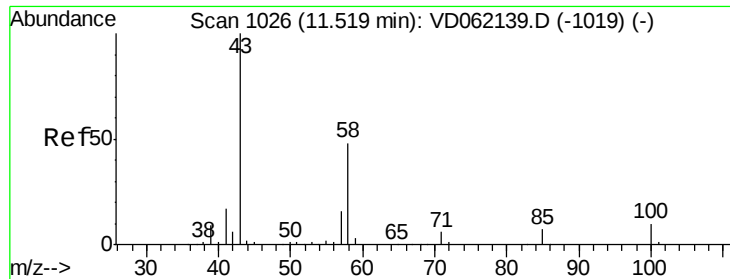
106 28.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

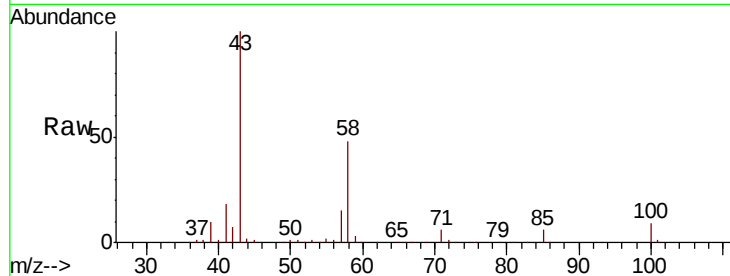




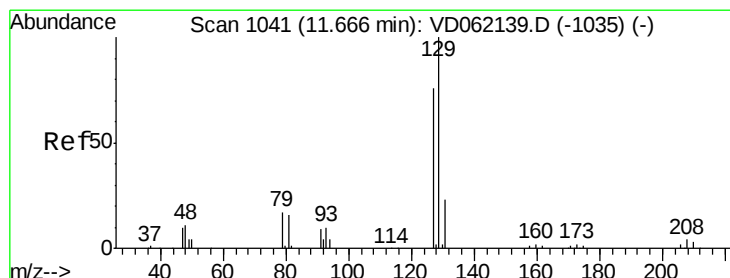
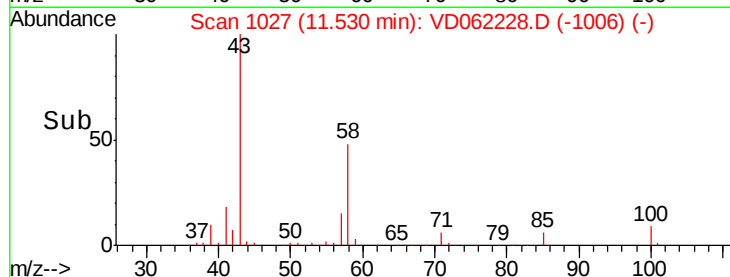
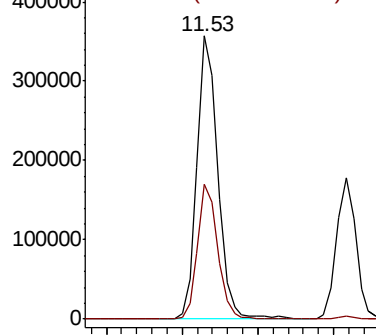
#59
2-Hexanone
Concen: 240.827 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 681423
Ion Ratio Lower Upper
43 100
58 47.6 25.4 76.4

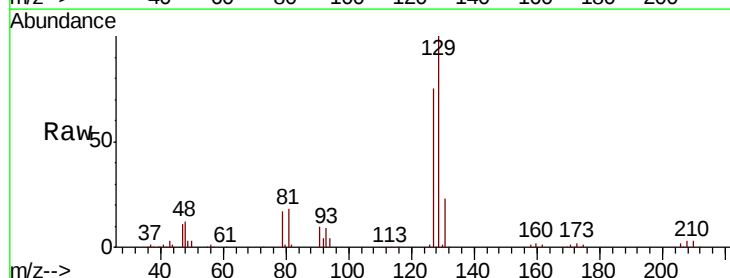


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

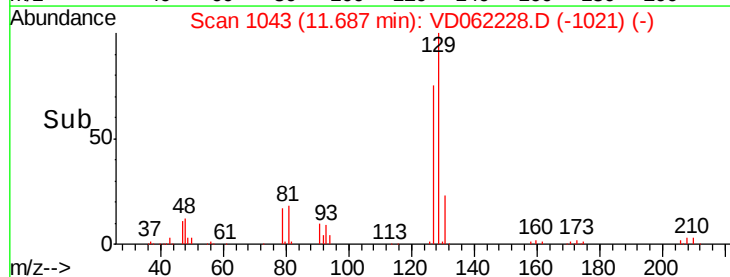
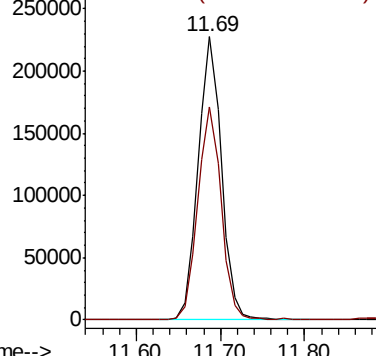


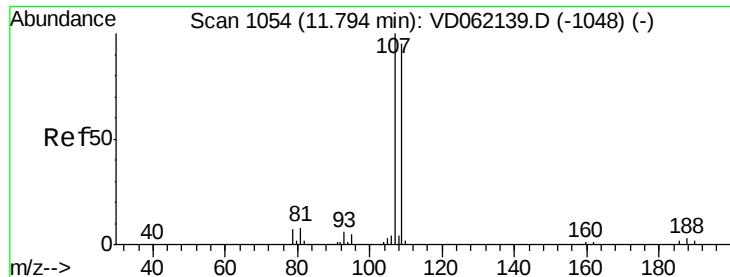
#60
Dibromochloromethane
Concen: 49.044 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 129 Resp: 437522
Ion Ratio Lower Upper
129 100
127 75.1 38.0 113.9



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

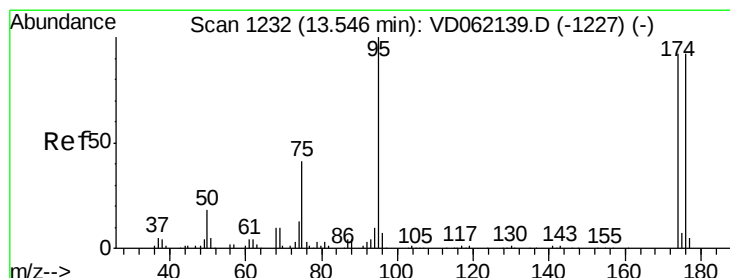
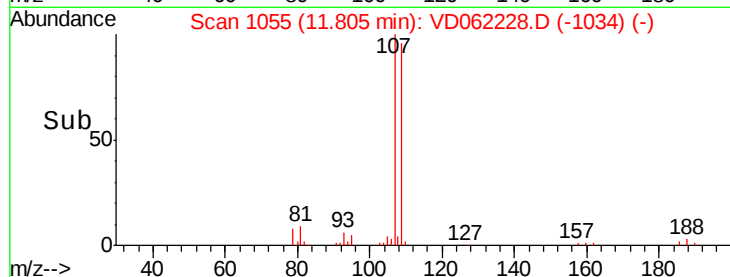
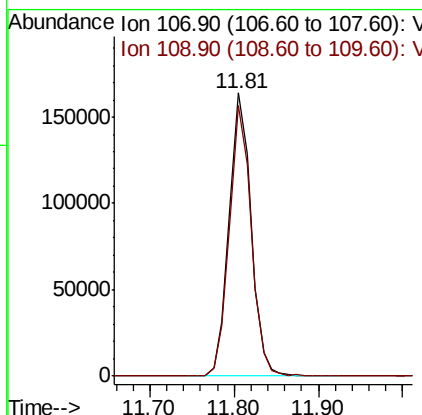
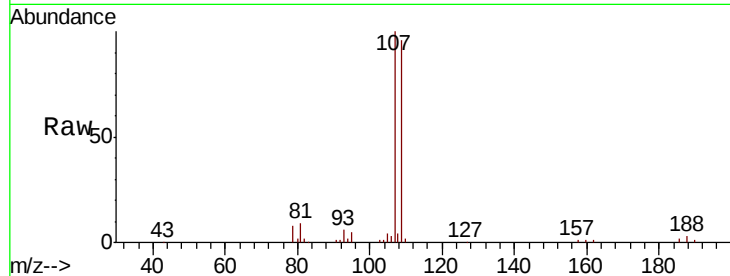




#61
 1,2-Dibromoethane
 Concen: 47.798 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

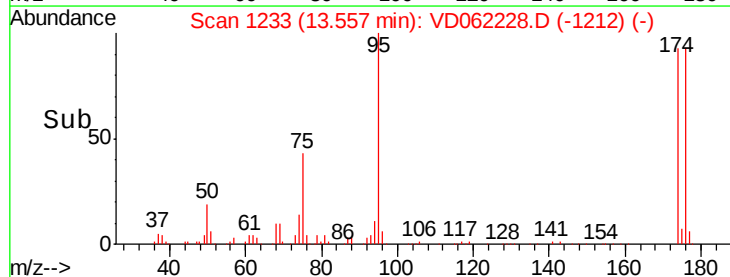
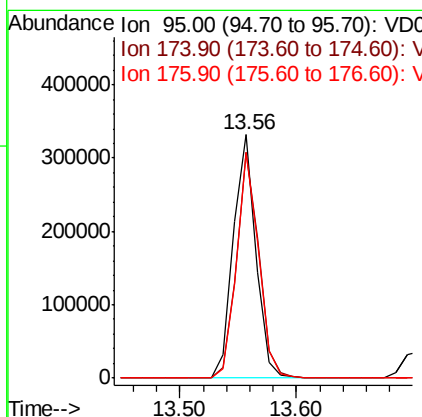
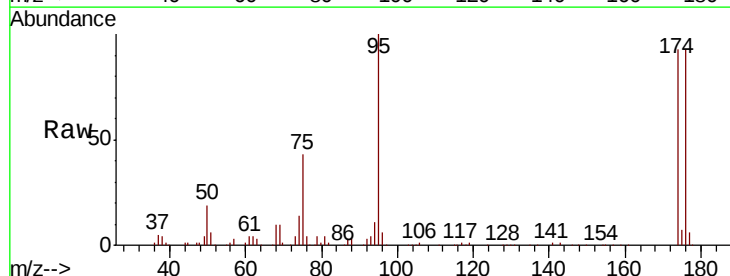
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

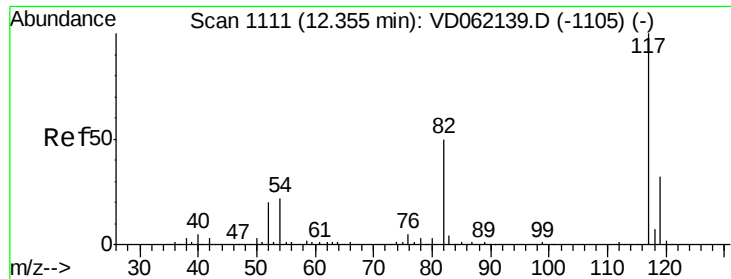
Tot Ion:107 Resp: 299969
 Ion Ratio Lower Upper
 107 100
 109 95.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 45.644 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 95 Resp: 444067
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 181.8
 176 92.8 0.0 174.4

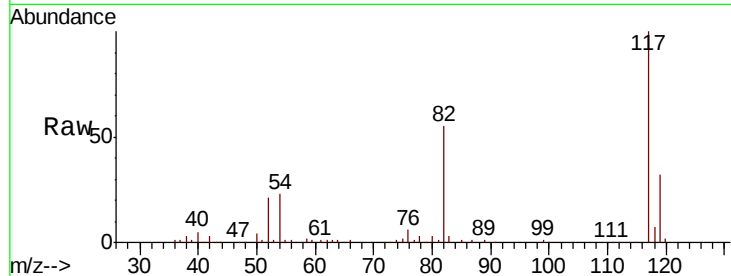




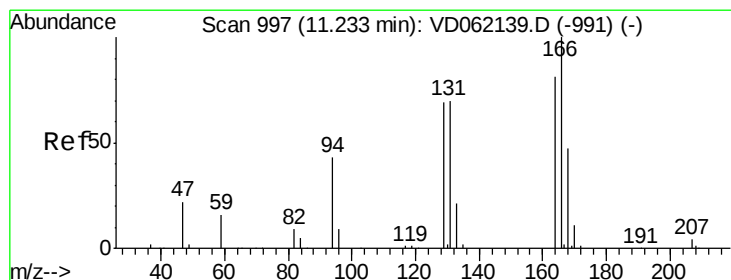
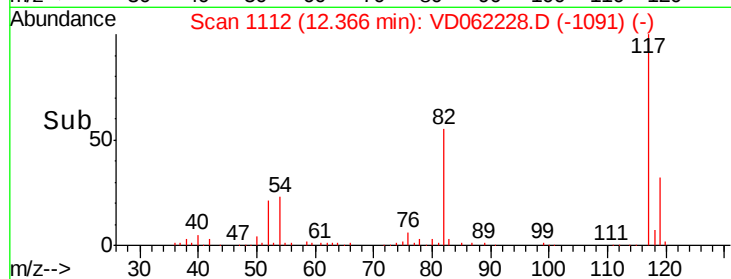
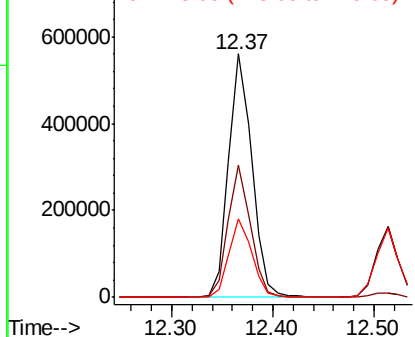
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 902451
Ion Ratio Lower Upper
117 100
82 54.5 36.2 54.2#
119 32.5 26.2 39.4

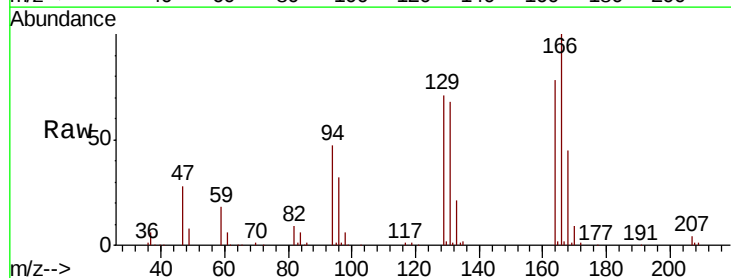


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

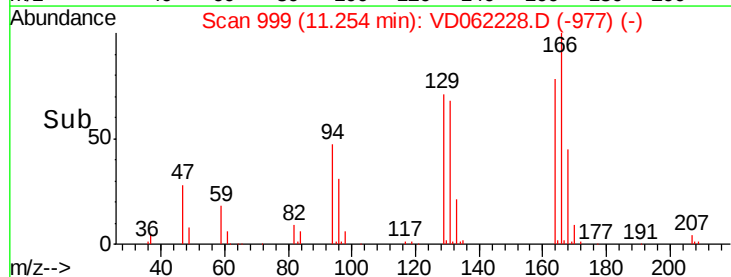
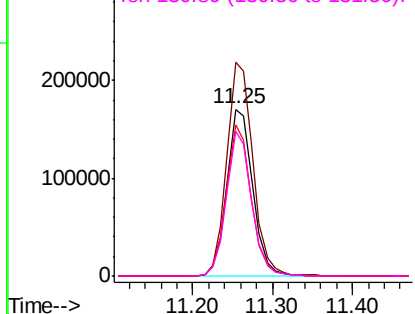


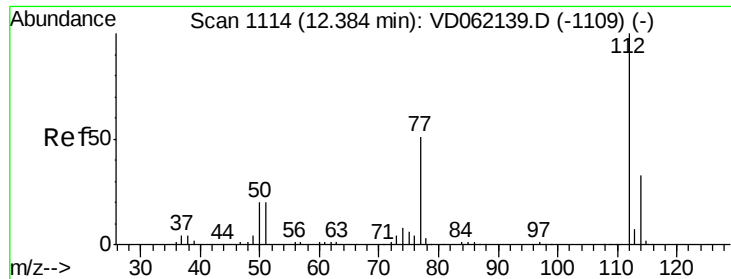
#64
Tetrachloroethene
Concen: 55.379 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:164 Resp: 390799
Ion Ratio Lower Upper
164 100
166 128.1 101.5 152.3
129 91.0 74.6 112.0
131 86.8 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

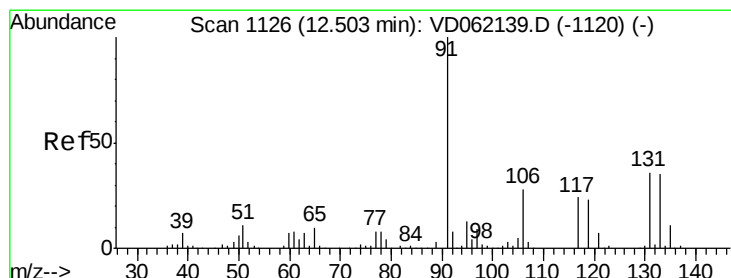
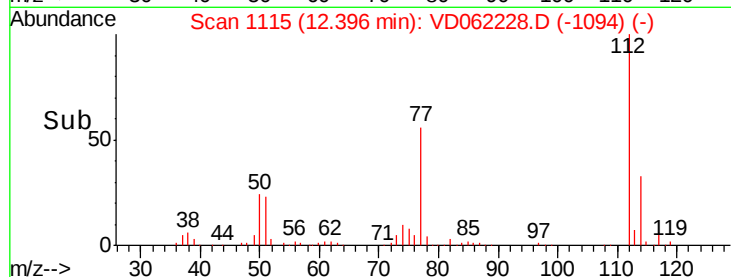
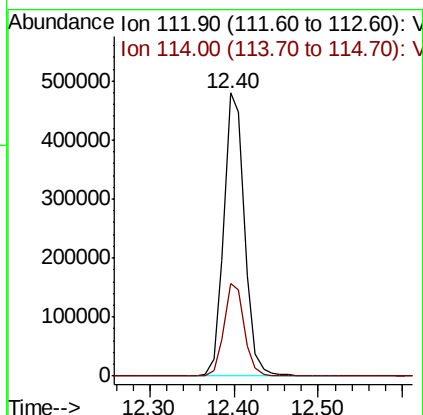
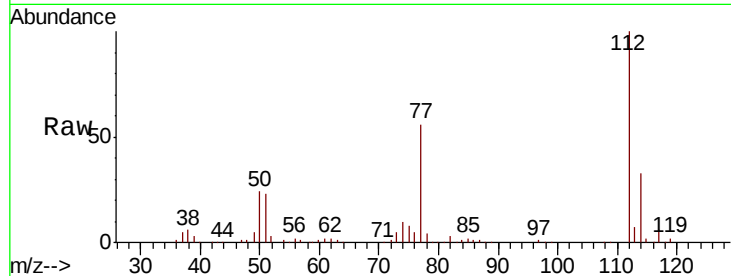




#65
Chlorobenzene
Concen: 48.797 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

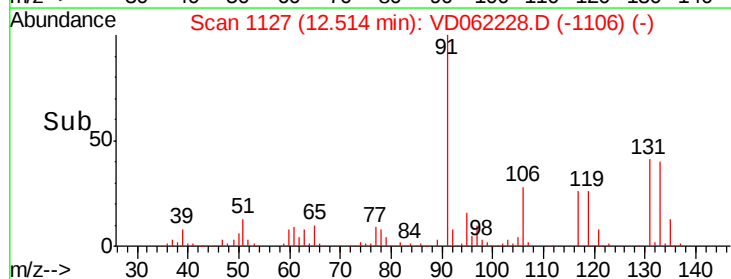
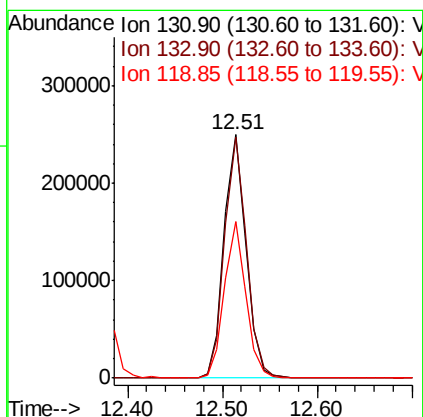
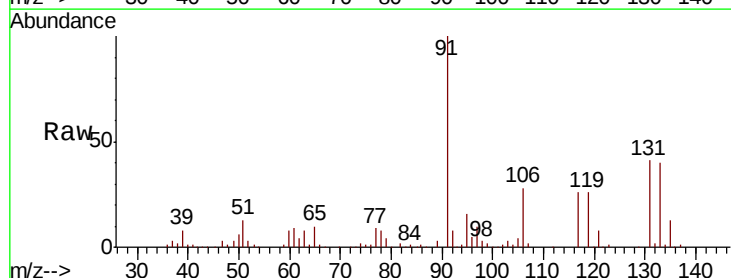
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

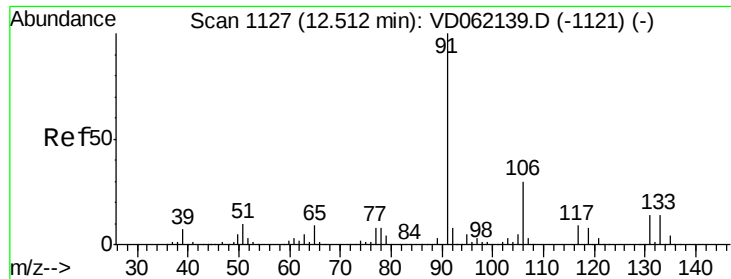
Tot Ion:112 Resp: 820202
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.213 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:131 Resp: 403899
Ion Ratio Lower Upper
131 100
133 99.1 48.6 145.8
119 64.3 34.7 104.1

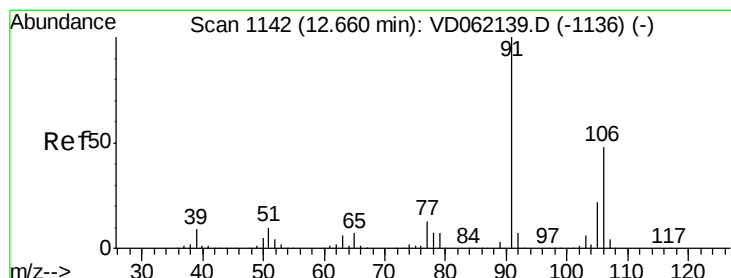
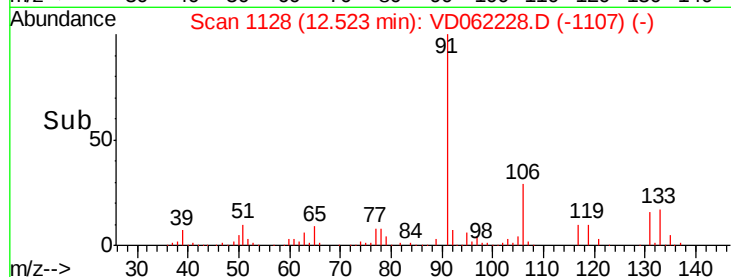
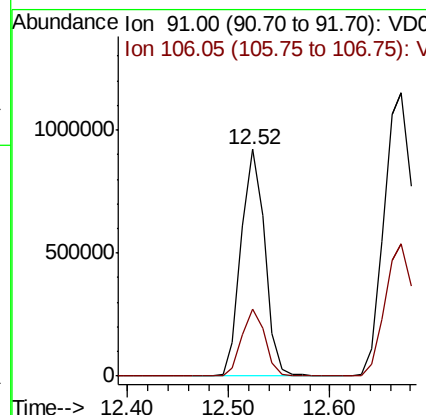
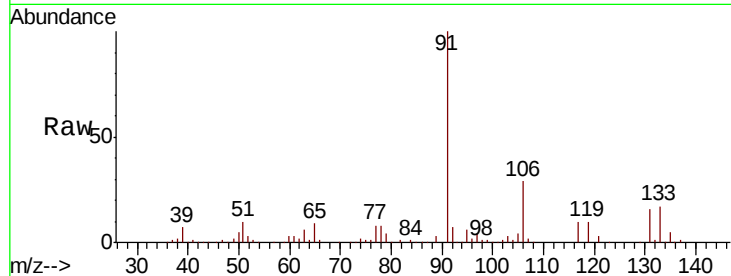




#67
Ethyl Benzene
Concen: 53.607 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

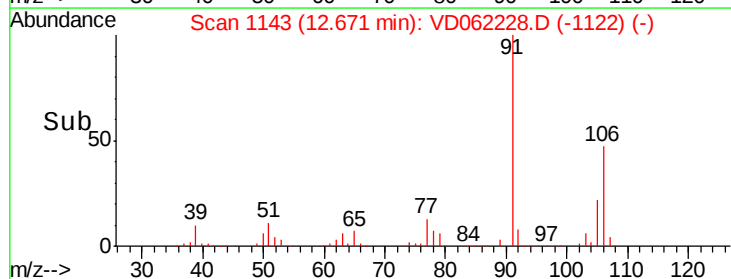
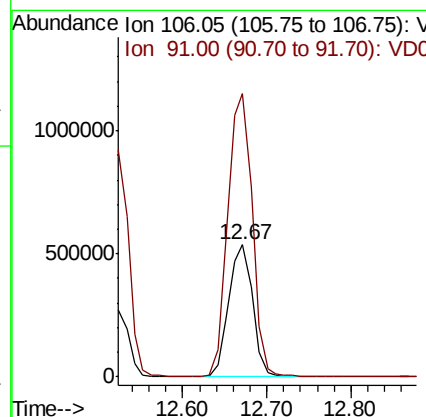
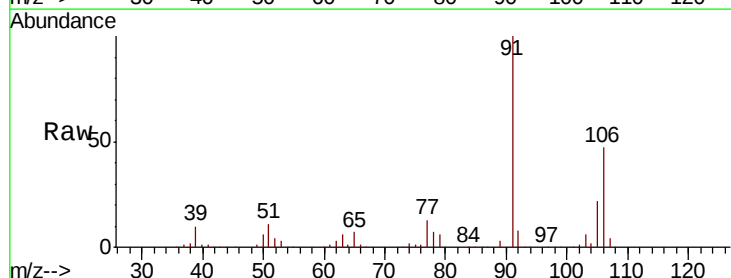
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

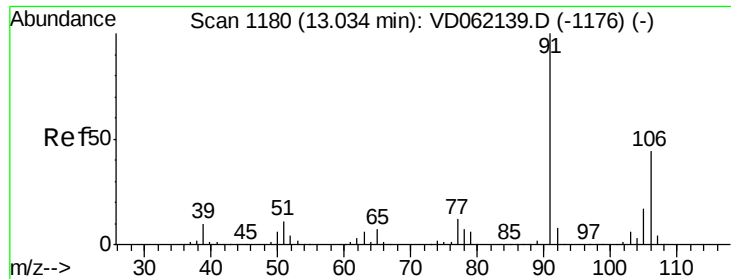
Tot Ion: 91 Resp: 1508489
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1



#68
m/p-Xylenes
Concen: 103.327 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:106 Resp: 1057850
Ion Ratio Lower Upper
106 100
91 214.3 164.0 246.0

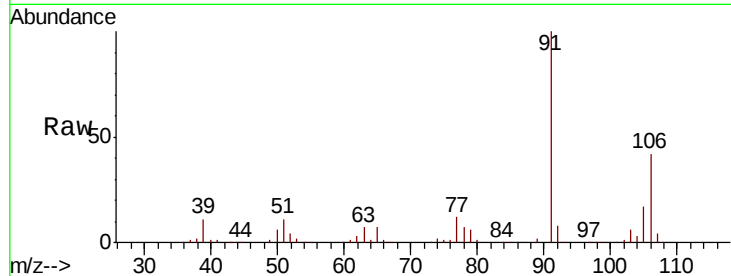




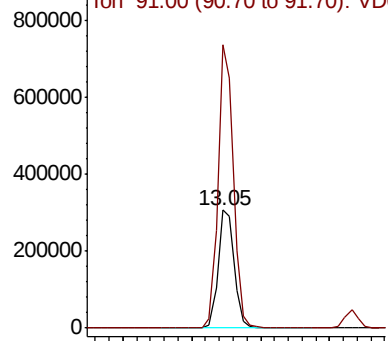
#69
o-Xylene
Concen: 51.999 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

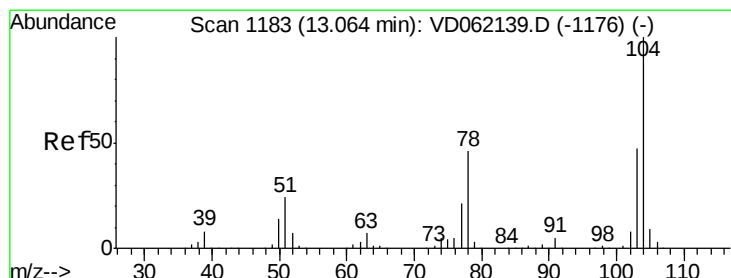
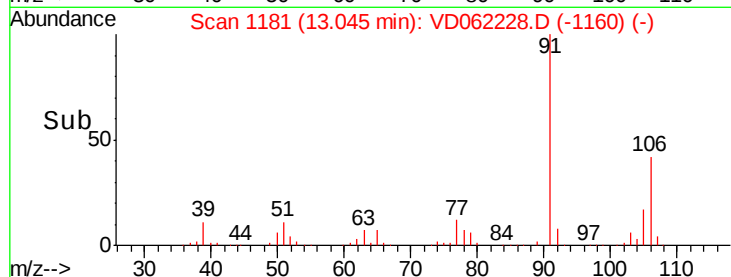
Tot Ion:106 Resp: 494928
Ion Ratio Lower Upper
106 100
91 240.5 106.7 319.9



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

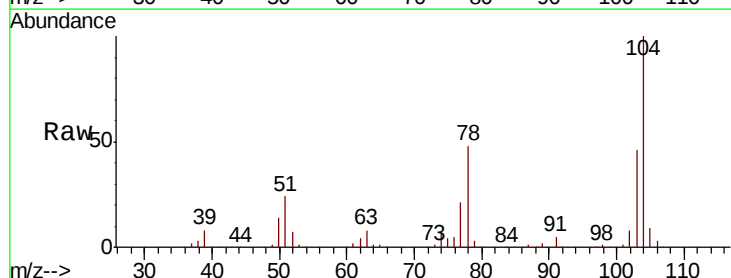


Time-->

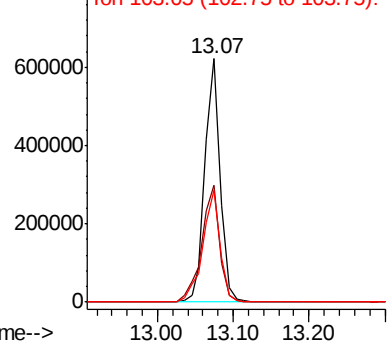


#70
Styrene
Concen: 53.218 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

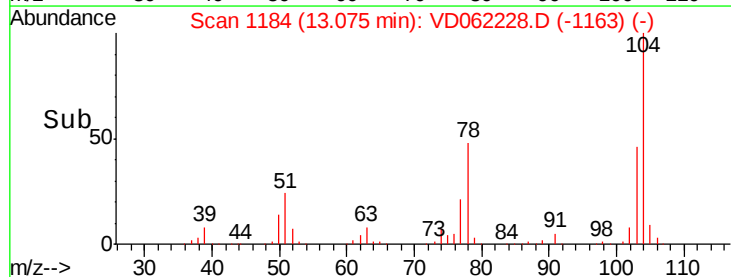
Tgt Ion:104 Resp: 858068
Ion Ratio Lower Upper
104 100
78 48.1 35.4 53.2
103 46.1 37.5 56.3

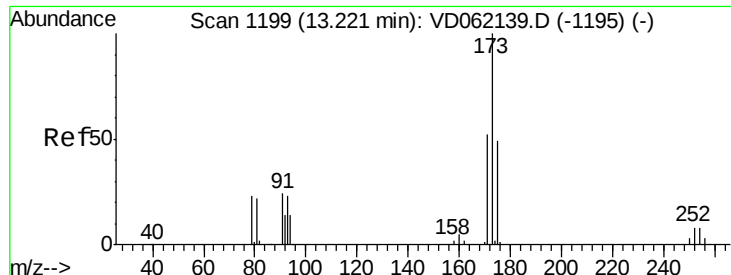


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 54.274 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

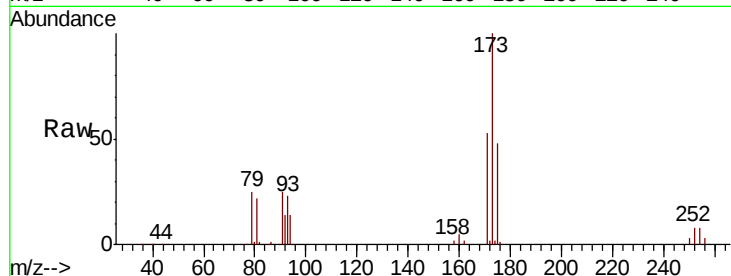
Tot Ion:173 Resp: 276226

Ion Ratio Lower Upper

173 100

175 48.3 24.4 73.4

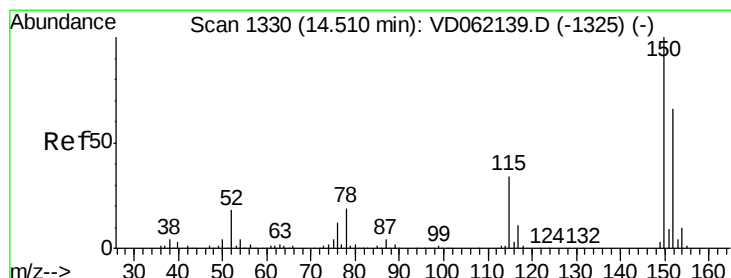
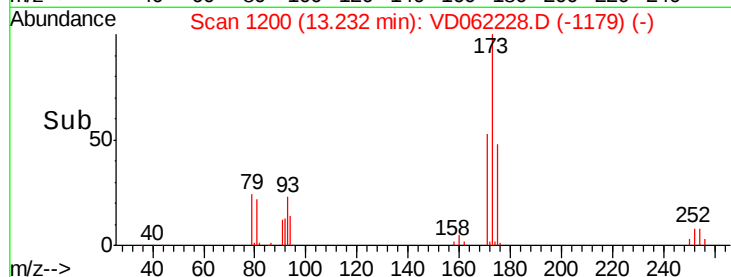
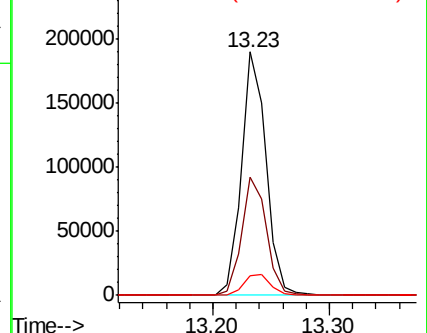
254 8.0 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

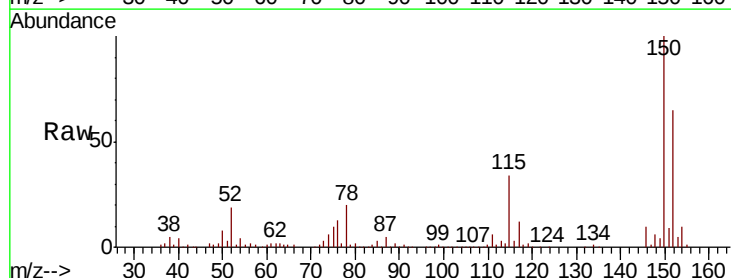
Tgt Ion:152 Resp: 456195

Ion Ratio Lower Upper

152 100

115 52.9 30.9 92.7

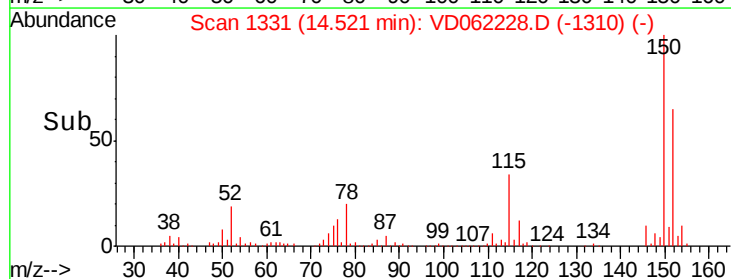
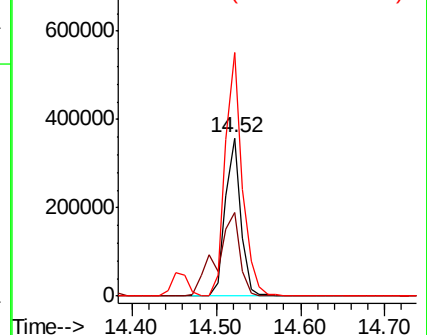
150 153.9 0.0 314.8

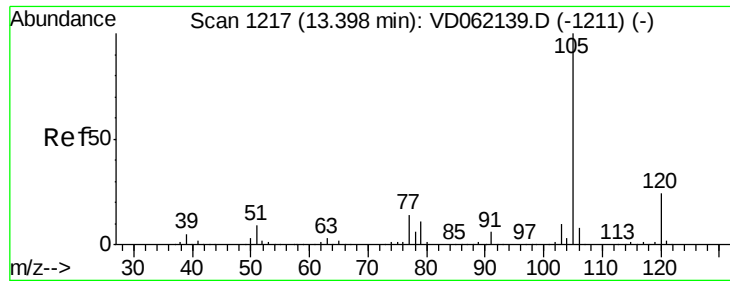


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.187 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

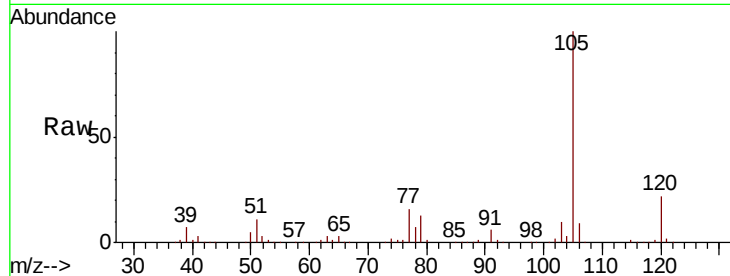
VSTDCCC050

Tot Ion:105 Resp: 1591181

Ion Ratio Lower Upper

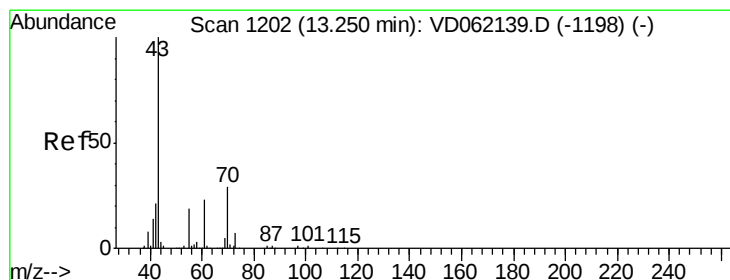
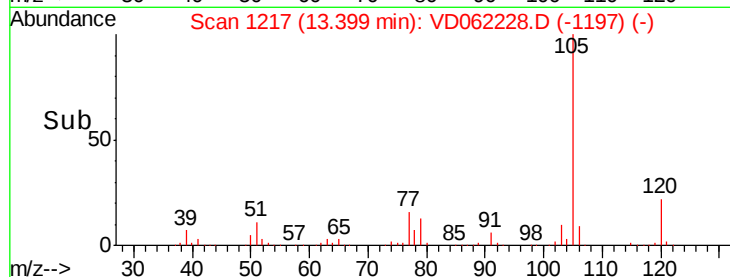
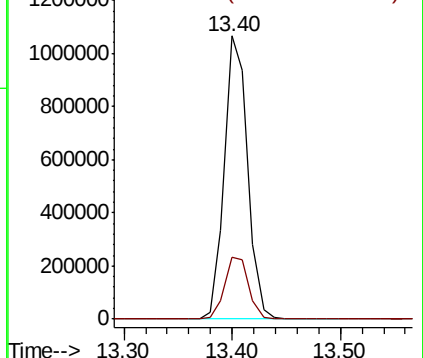
105 100

120 22.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.400 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion: 43 Resp: 368509

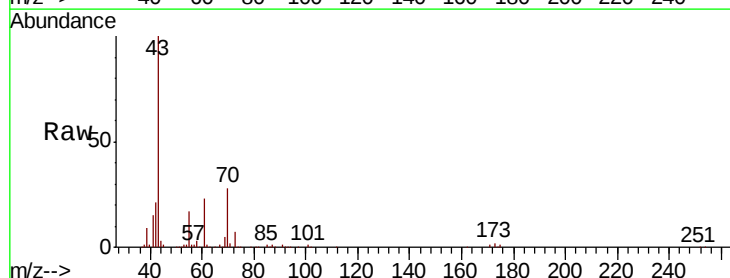
Ion Ratio Lower Upper

43 100

70 27.6 24.2 36.4

55 16.9 16.0 24.0

61 22.9 21.6 32.4

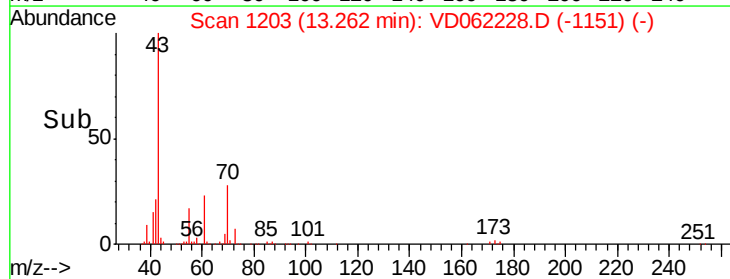
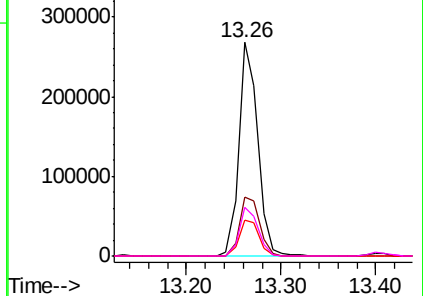


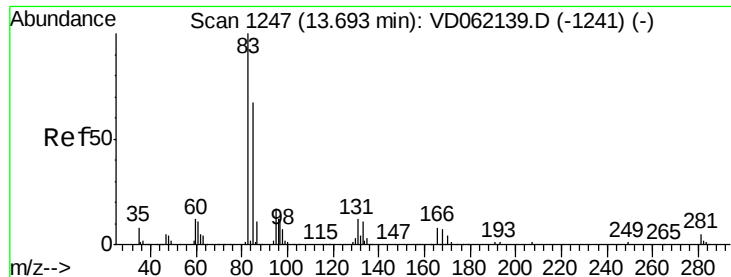
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.463 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

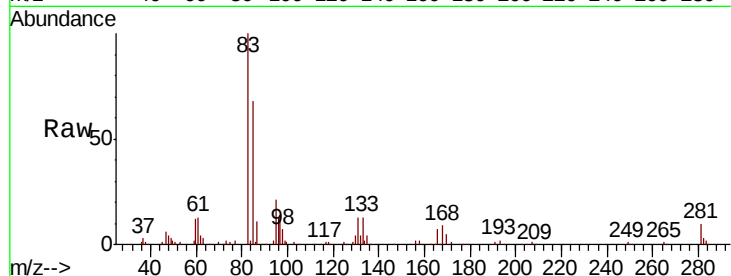
Tot Ion: 83 Resp: 261241

Ion Ratio Lower Upper

83 100

131 12.8 5.0 14.9

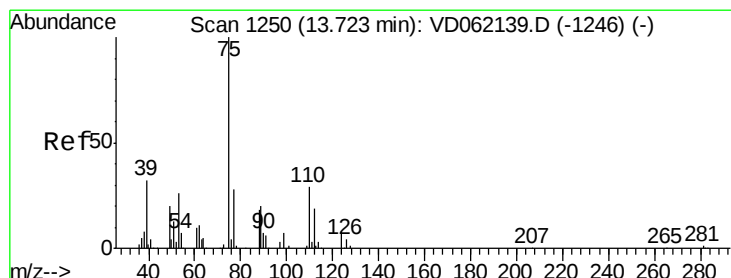
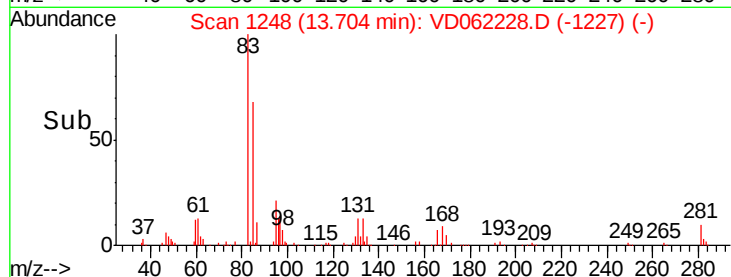
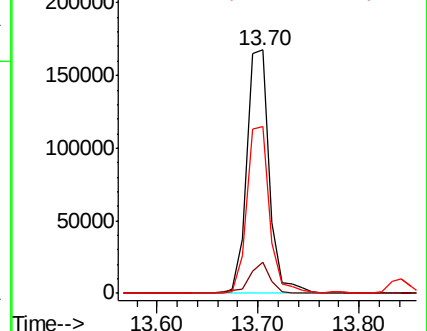
85 68.4 32.6 97.7



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: 51.782 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062228.D

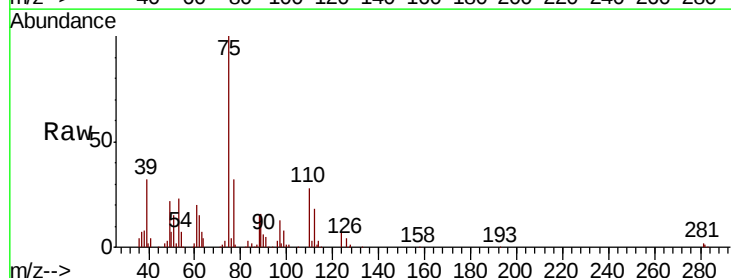
Acq: 11 May 2019 10:48

Tgt Ion: 75 Resp: 280735

Ion Ratio Lower Upper

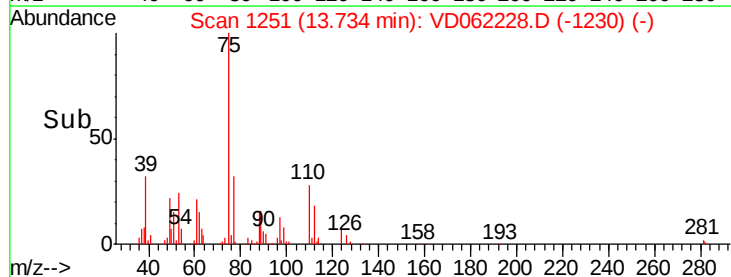
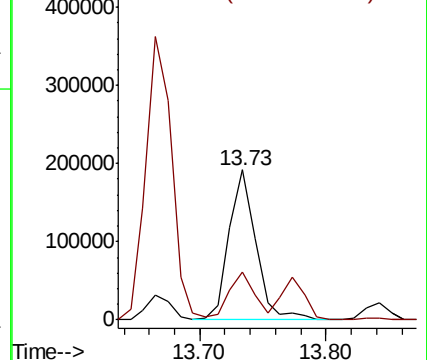
75 100

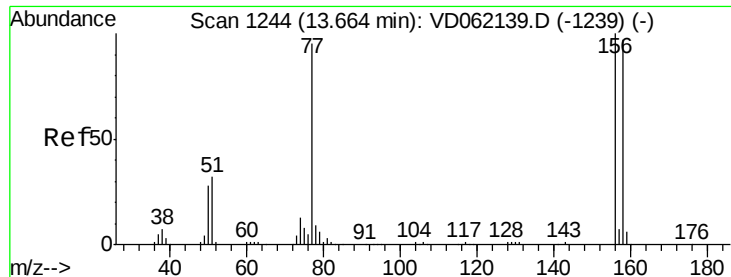
77 32.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.757 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

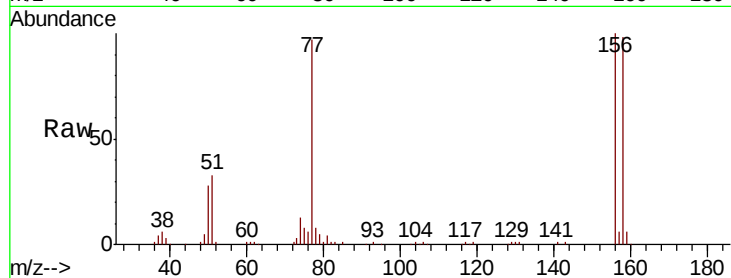
Tot Ion:156 Resp: 434477

Ion Ratio Lower Upper

156 100

77 97.3 53.1 159.4

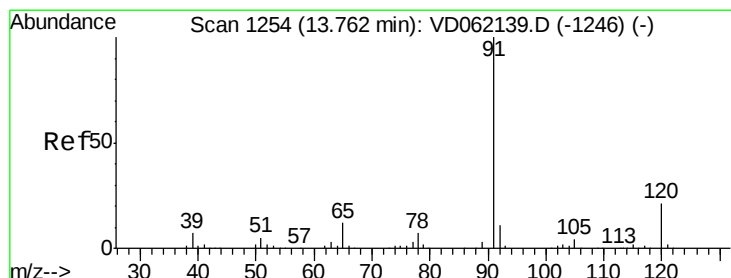
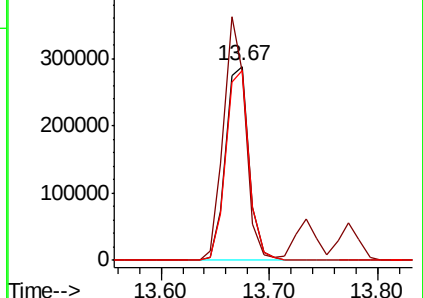
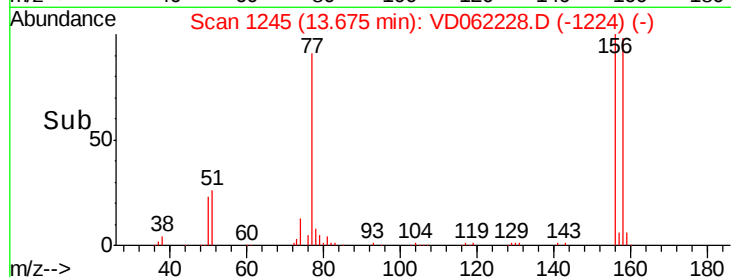
158 98.2 49.4 148.0



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: 55.615 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062228.D

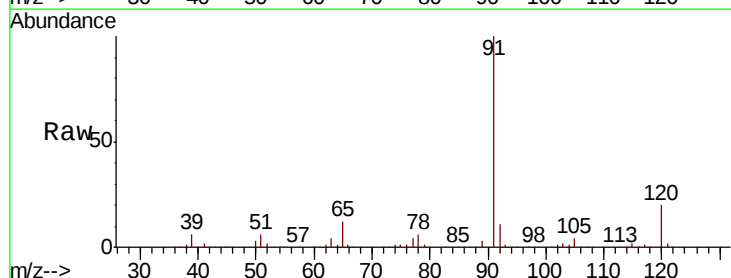
Acq: 11 May 2019 10:48

Tgt Ion: 91 Resp: 1814196

Ion Ratio Lower Upper

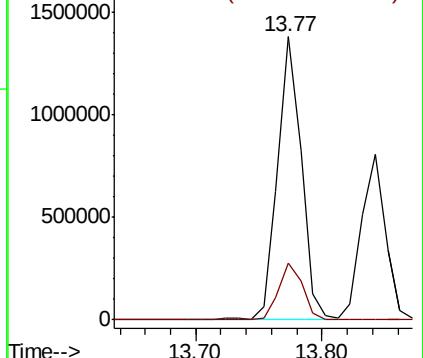
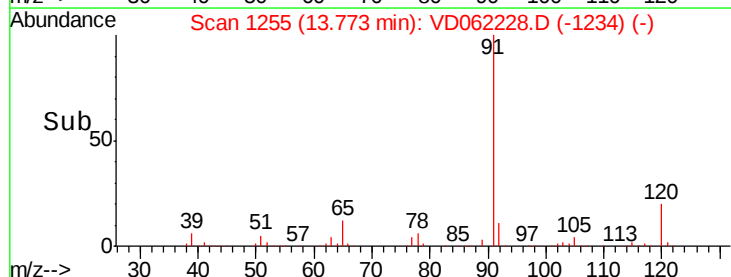
91 100

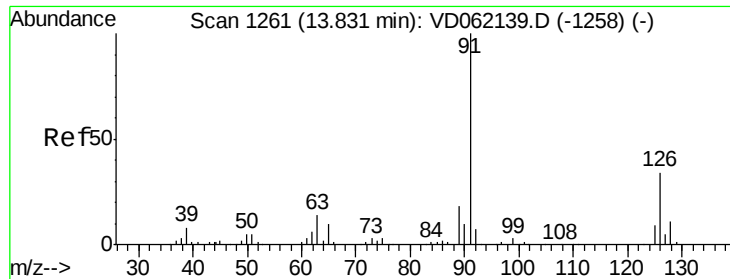
120 19.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.216 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

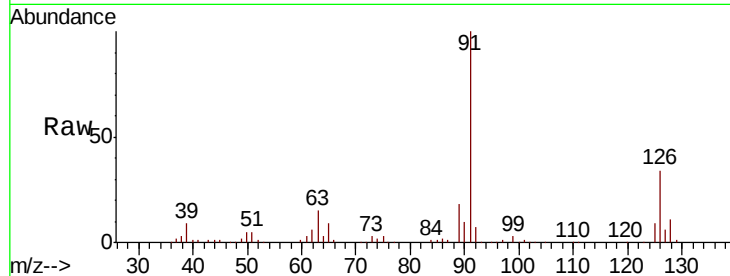
VSTDCCC050

Tot Ion: 91 Resp: 1050237

Ion Ratio Lower Upper

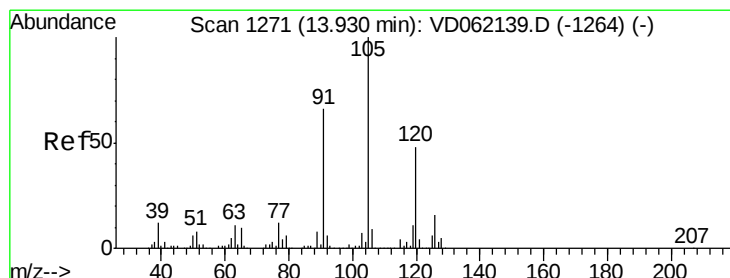
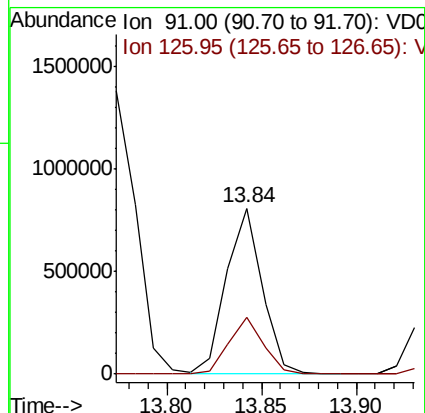
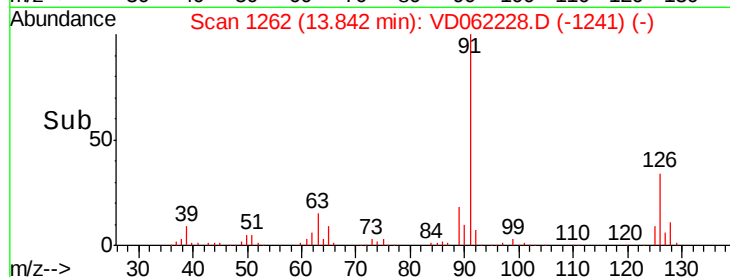
91 100

126 34.3 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: 59.083 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062228.D

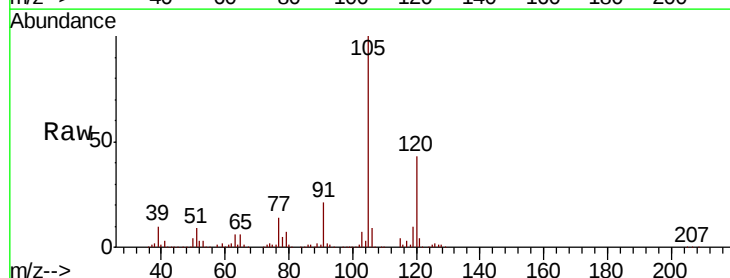
Acq: 11 May 2019 10:48

Tgt Ion:105 Resp: 1360518

Ion Ratio Lower Upper

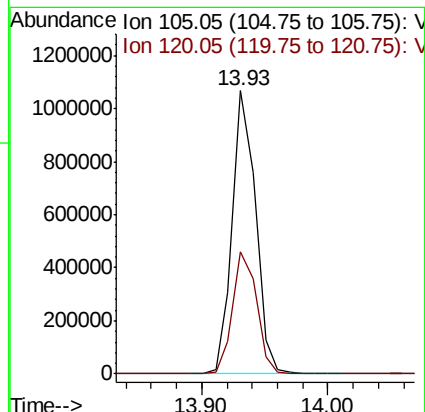
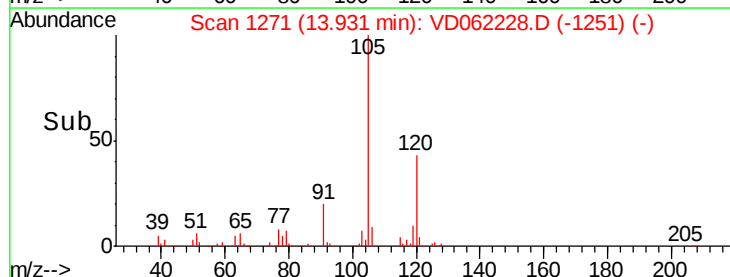
105 100

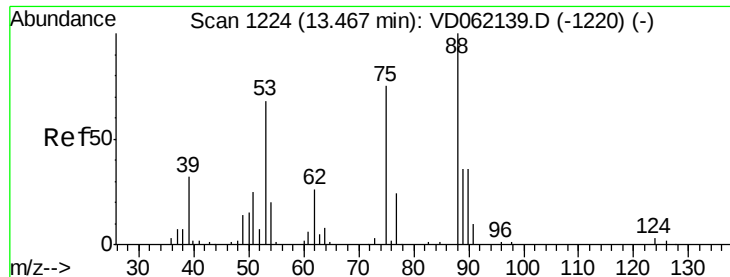
120 43.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

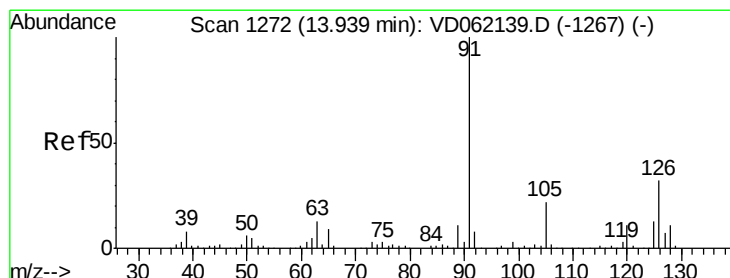
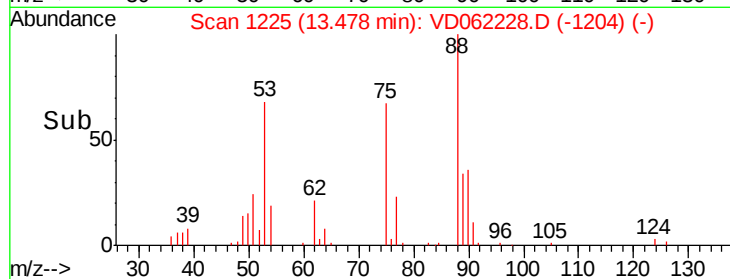
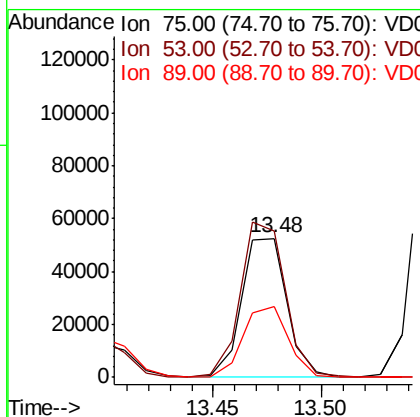
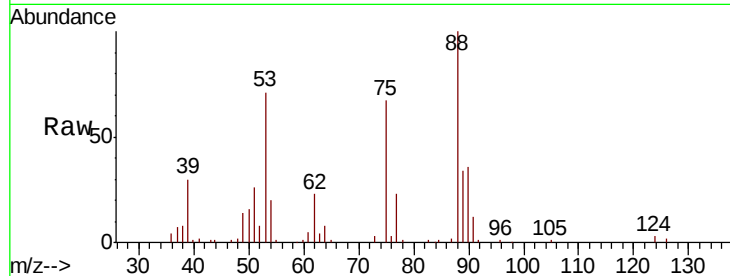




#81
trans-1,4-Dichloro-2-butene
Concen: 49.928 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

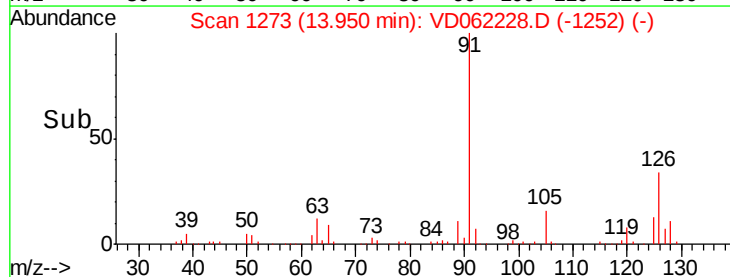
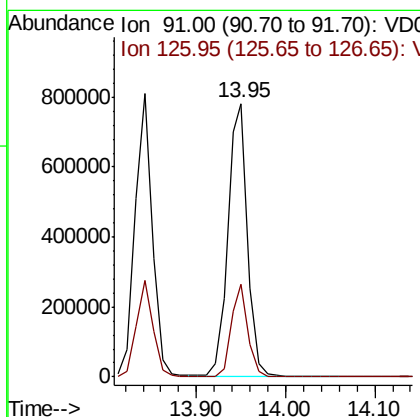
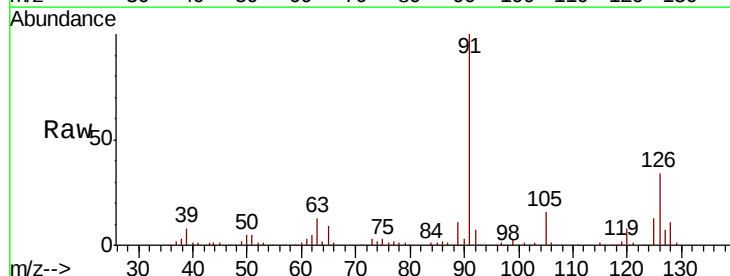
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

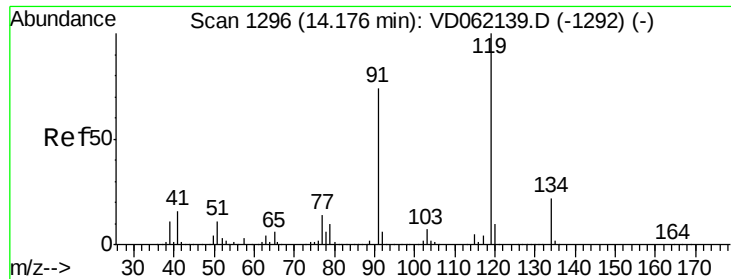
Tot Ion: 75 Resp: 76416
Ion Ratio Lower Upper
75 100
53 105.9 65.8 98.8#
89 51.1 35.0 52.6



#82
4-Chlorotoluene
Concen: 55.285 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 91 Resp: 1215411
Ion Ratio Lower Upper
91 100
126 34.0 19.1 57.5

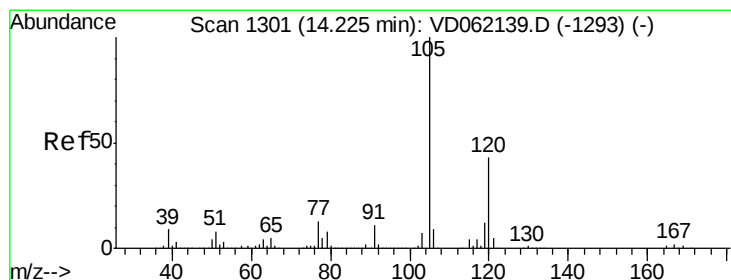
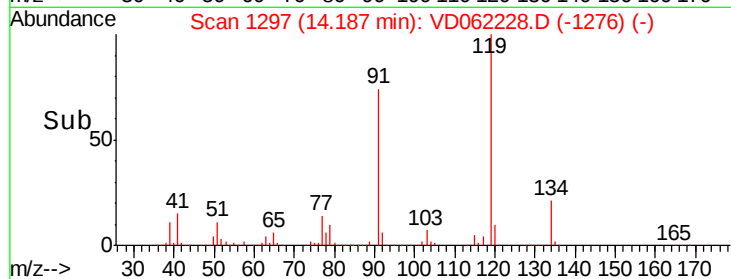
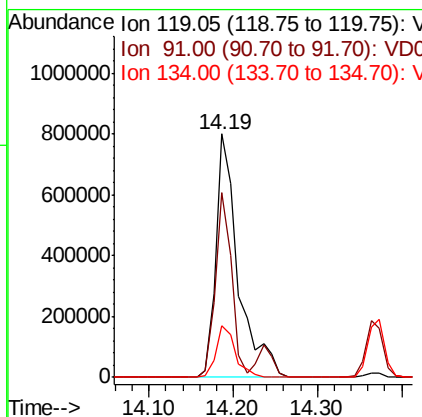
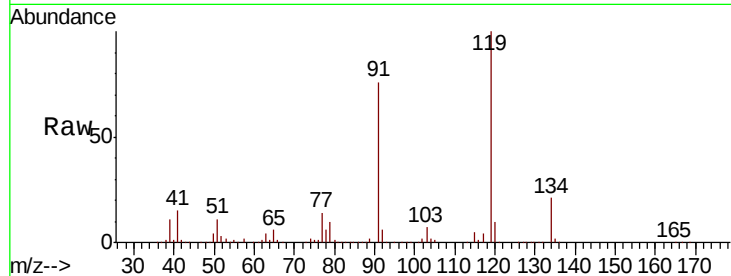




#83
tert-Butylbenzene
Concen: 56.862 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

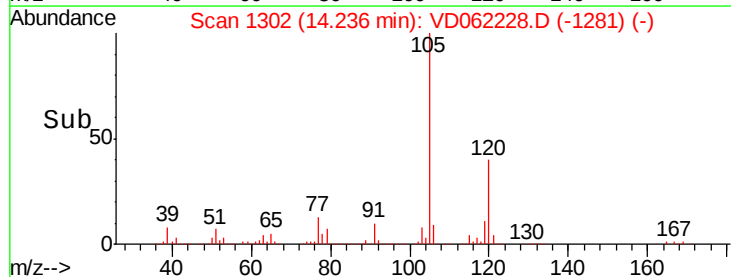
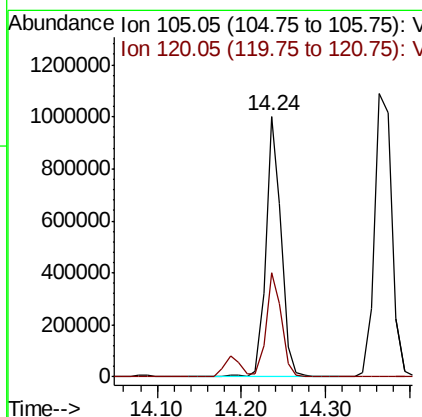
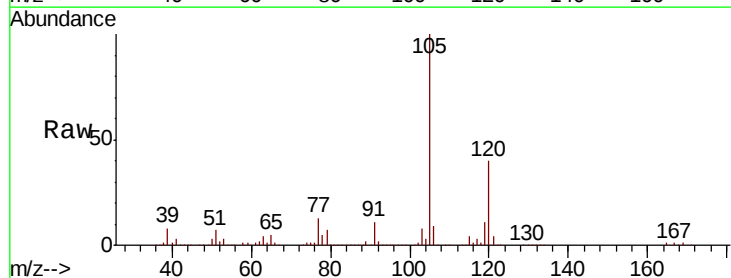
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

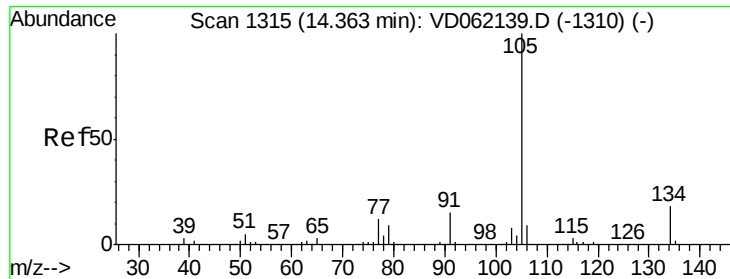
Tot Ion:119 Resp: 1471728
Ion Ratio Lower Upper
119 100
91 75.7 34.2 102.6
134 21.0 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 55.434 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:105 Resp: 1280958
Ion Ratio Lower Upper
105 100
120 39.9 23.1 69.2

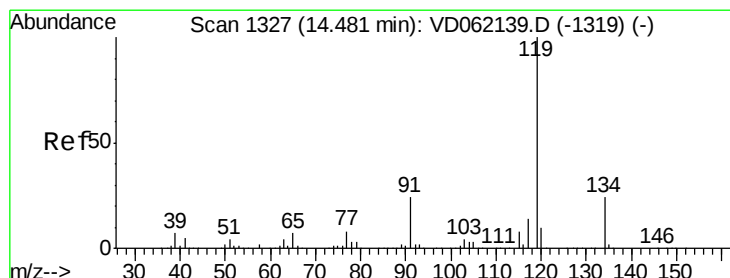
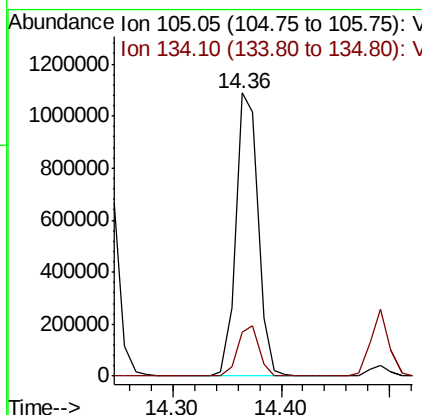
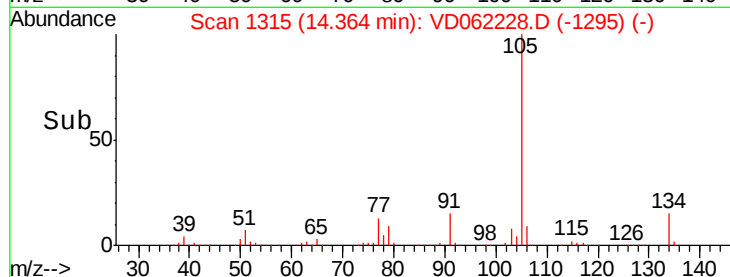
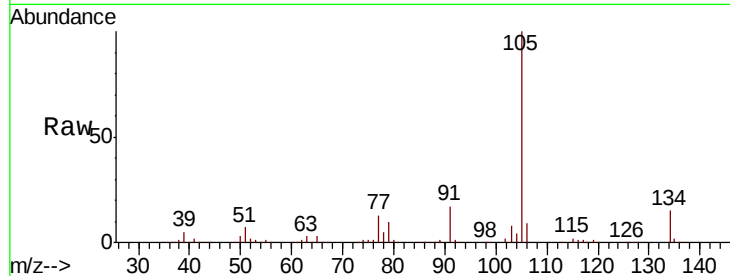




#85
 sec-Butylbenzene
 Concen: 54.658 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

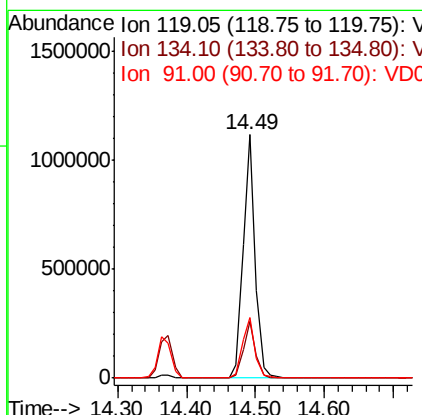
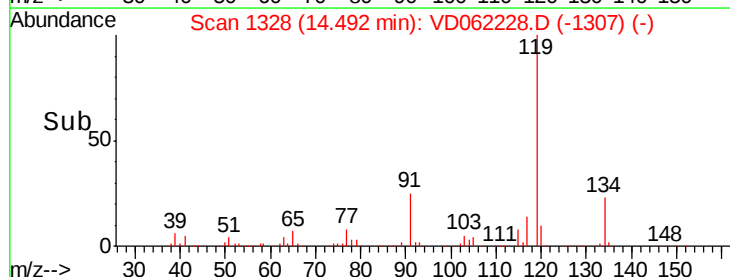
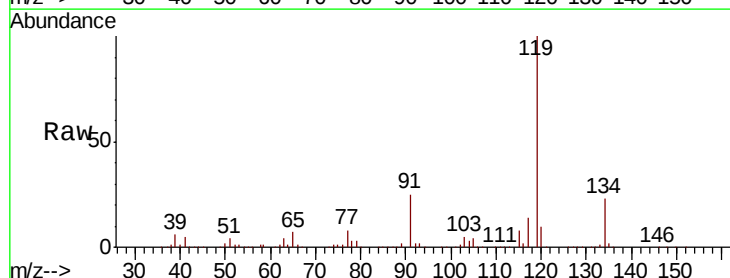
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

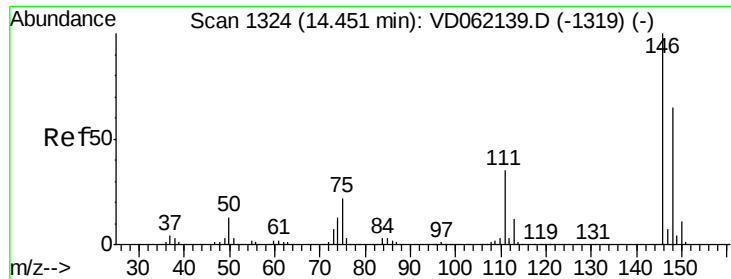
Tot Ion:105 Resp: 1551084
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 52.846 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:119 Resp: 1339848
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 24.8 10.7 32.1

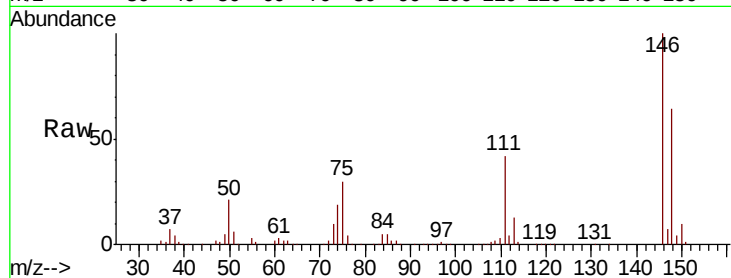




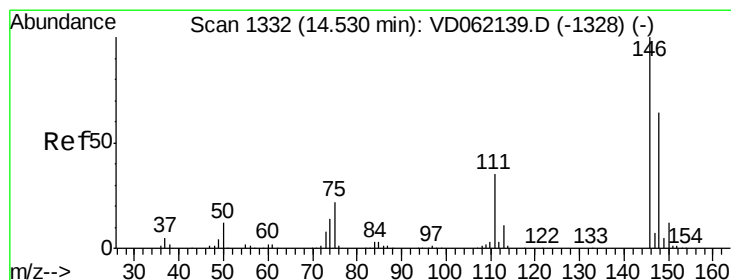
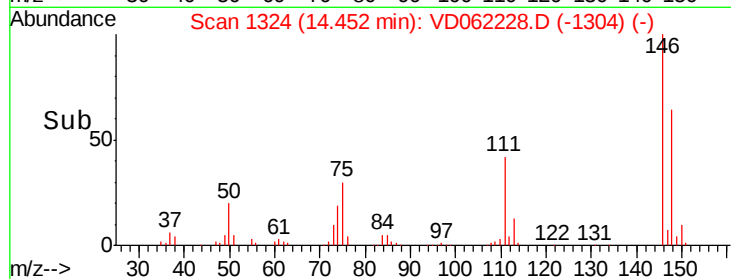
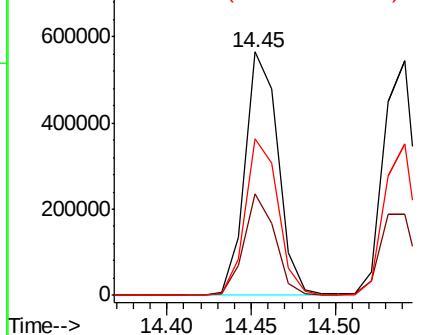
#87
 1,3-Dichlorobenzene
 Concen: 55.126 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 770874
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 60.0
 148 64.3 31.8 95.4

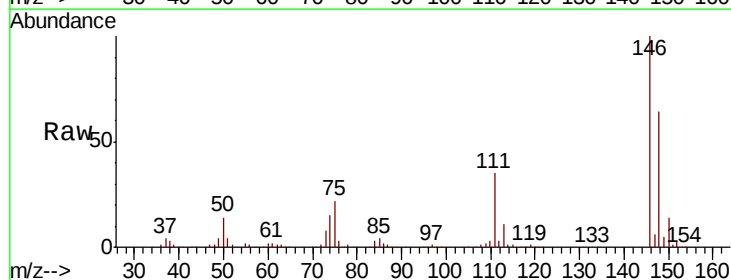


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

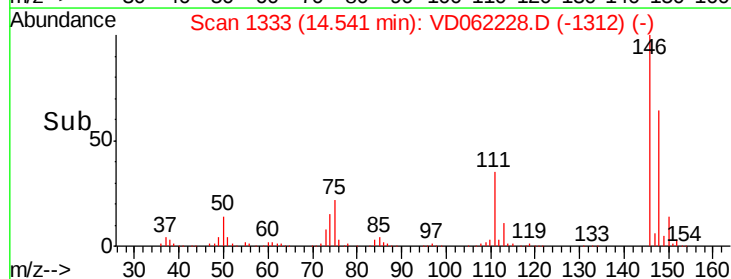
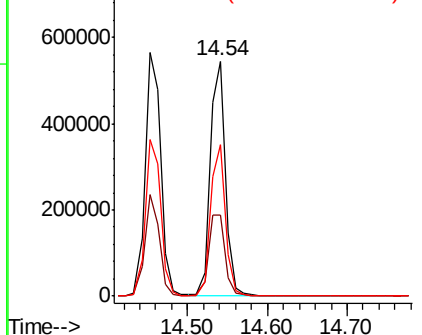


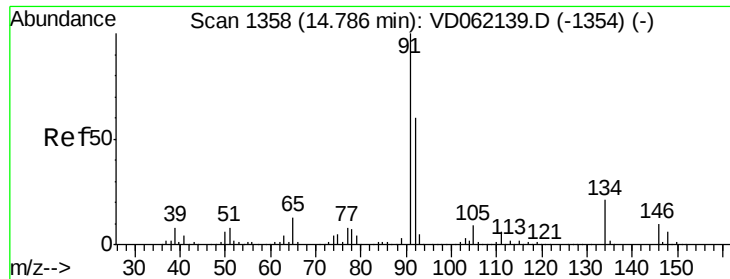
#88
 1,4-Dichlorobenzene
 Concen: 53.193 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:146 Resp: 730879
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.2 60.5
 148 64.4 32.0 96.2



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

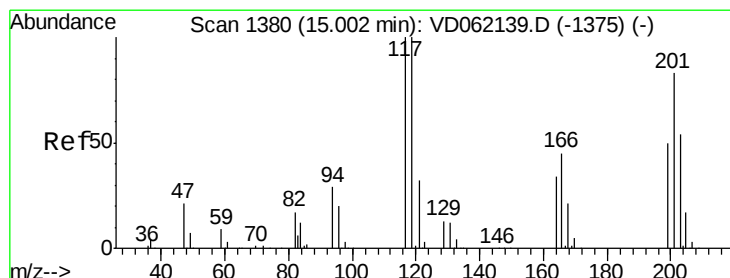
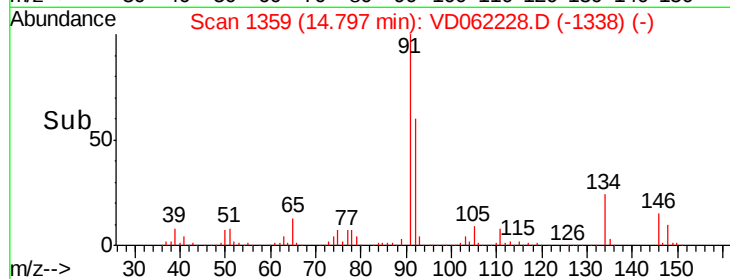
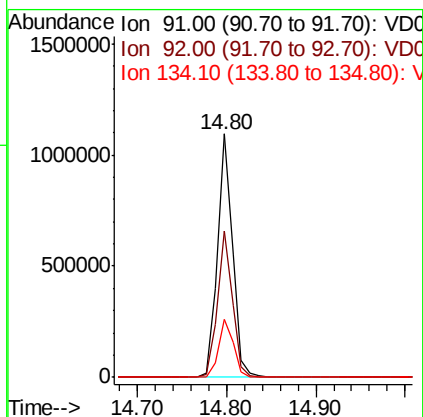
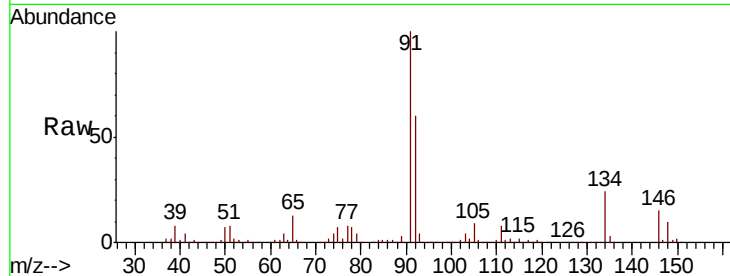




#89
n-Butylbenzene
Concen: 56.670 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

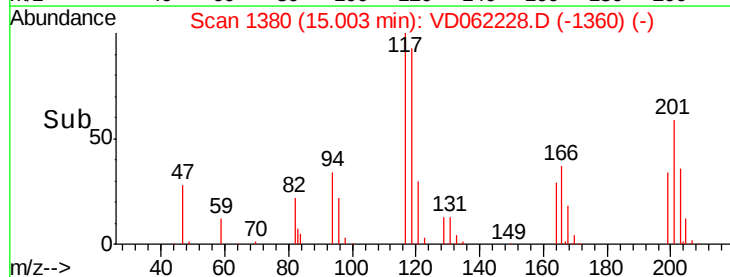
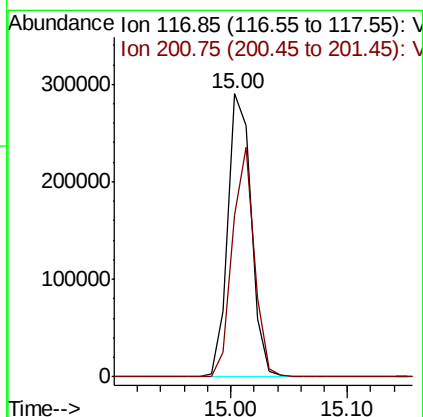
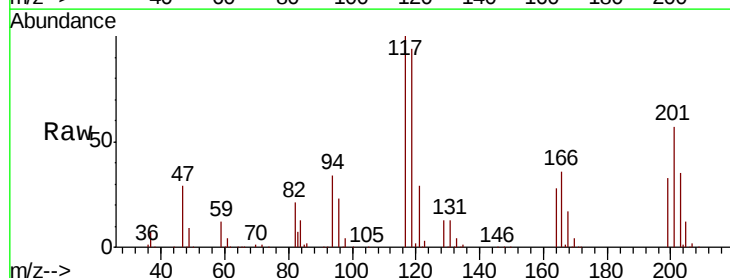
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

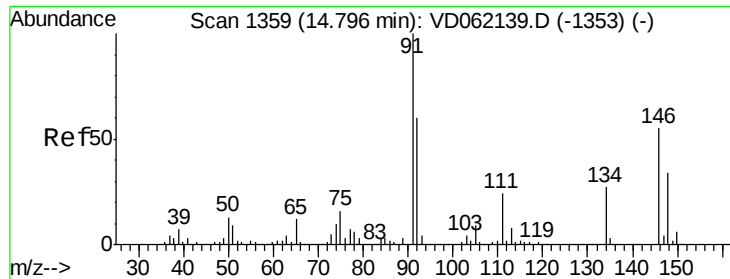
Tot Ion: 91 Resp: 1289638
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 23.9 14.5 43.6



#90
Hexachloroethane
Concen: 58.984 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 117 Resp: 406691
Ion Ratio Lower Upper
117 100
201 57.3 30.2 90.6

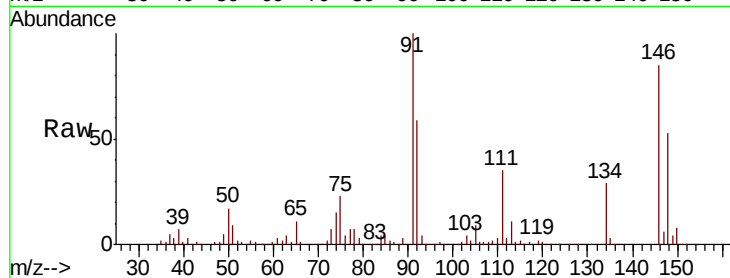




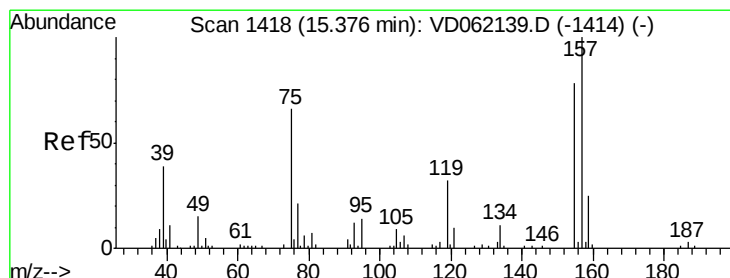
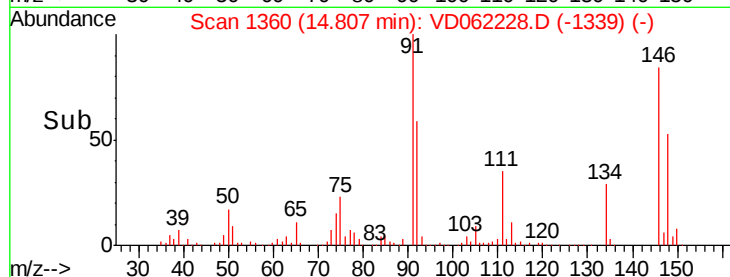
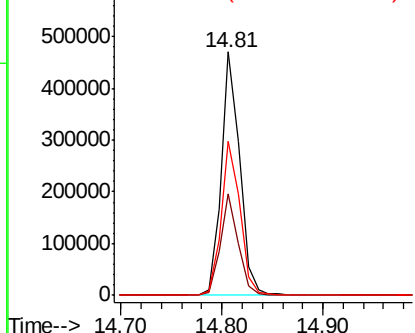
#91
 1,2-Dichlorobenzene
 Concen: 52.105 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 600081
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 59.9
 148 63.2 32.3 96.8

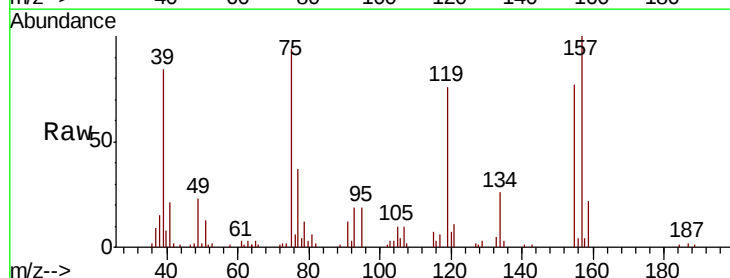


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

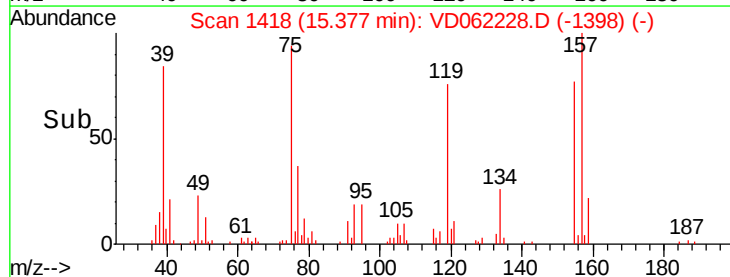
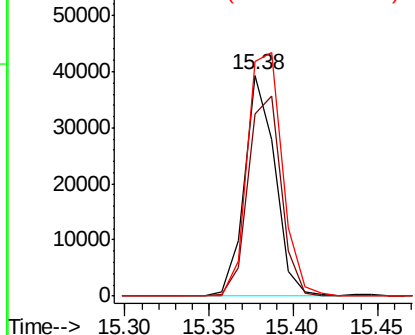


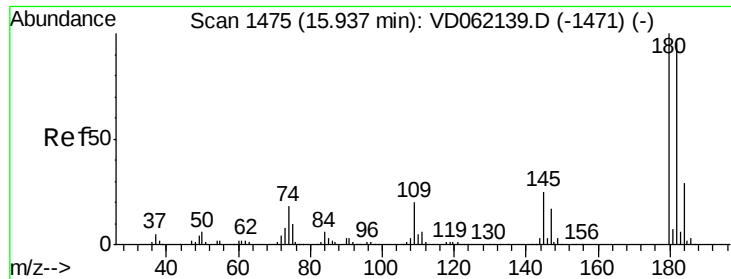
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.067 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 75 Resp: 49345
 Ion Ratio Lower Upper
 75 100
 155 82.5 55.3 165.8
 157 106.6 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

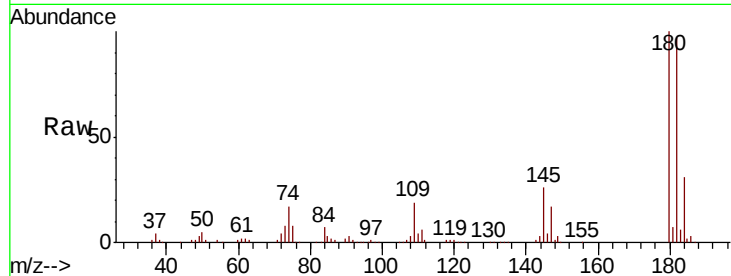




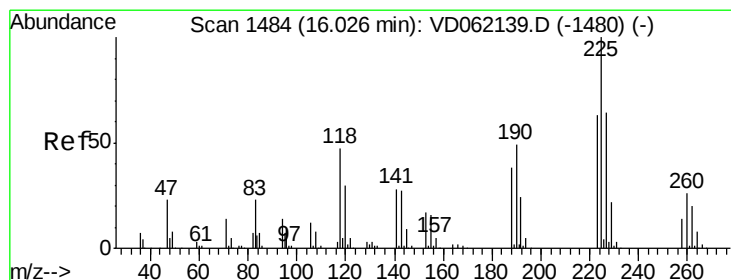
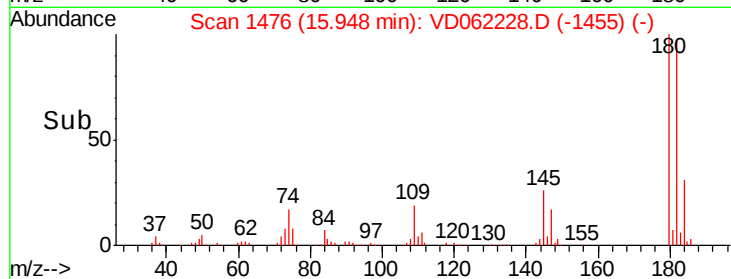
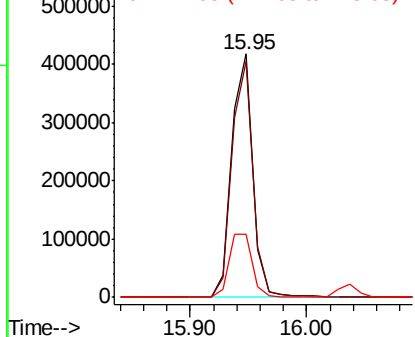
#93
 1,2,4-Trichlorobenzene
 Concen: 62.384 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 522943
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.3 147.8
 145 25.9 16.2 48.6

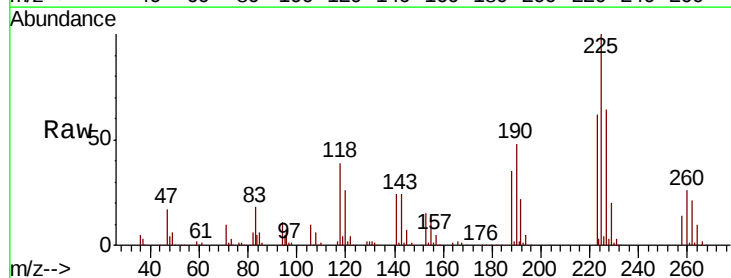


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

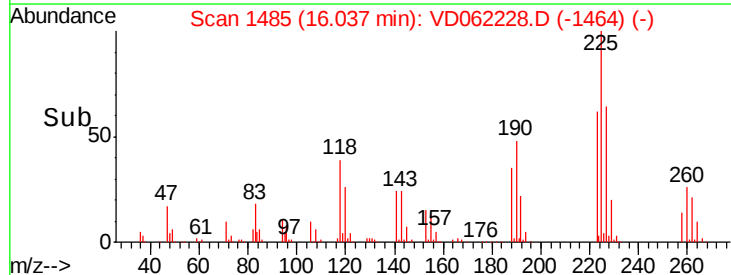
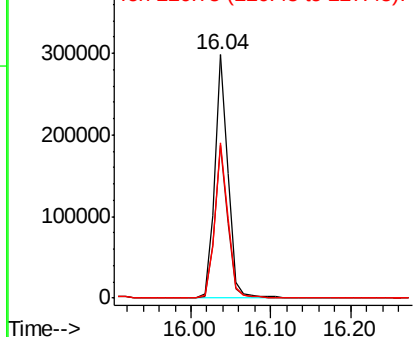


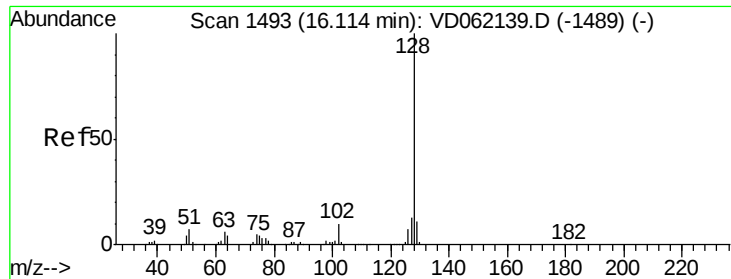
#94
 Hexachlorobutadiene
 Concen: 56.431 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:225 Resp: 351830
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 64.0 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

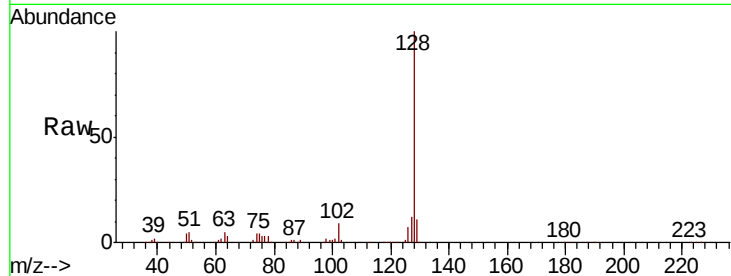




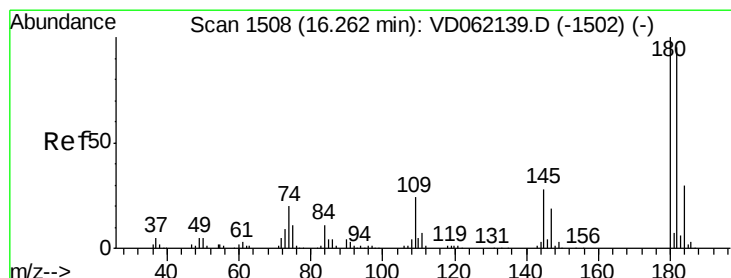
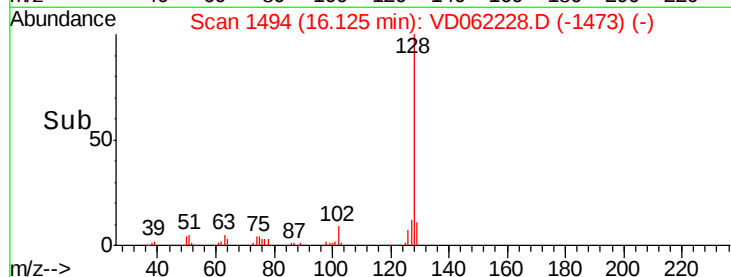
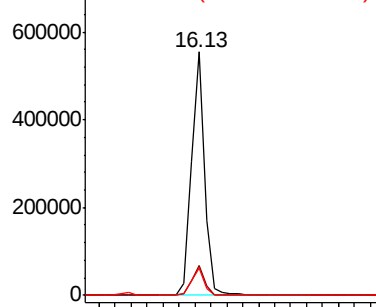
#95
Naphthalene
Concen: 55.400 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 648347
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.0 8.8 13.2

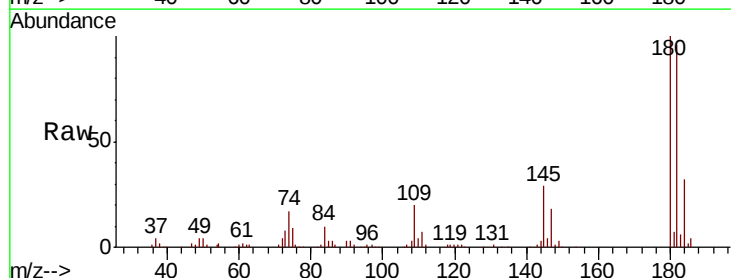


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 60.339 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:180 Resp: 318016
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.0
145 28.6 17.0 51.0



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

