

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073086.D
 Acq On : 18 May 2022 06:06
 Operator : VA/SY
 Sample : N2882-01
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 06:23:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

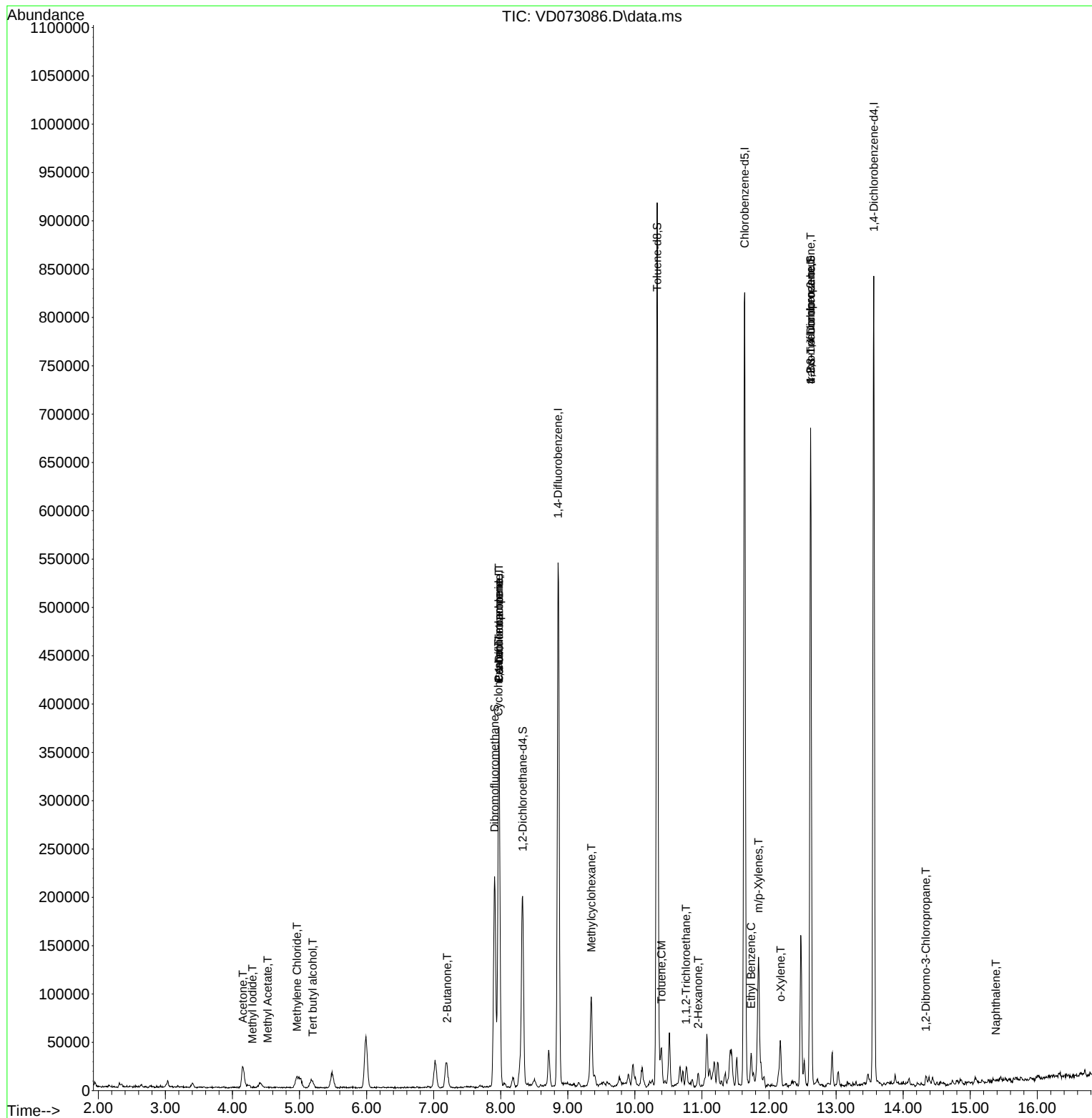
Internal Standards						
1) Pentafluorobenzene	7.973	168	254921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	467709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	486120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	217498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	155846	48.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.780%
35) Dibromofluoromethane	7.909	113	157399	47.931	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.332	98	580974	48.767	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.620	95	224127	51.943	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.880%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1026	4.526	ug/l #	38
11) Tert butyl alcohol	5.197	59	8023	16.270	ug/l #	74
16) Acetone	4.156	43	38992	67.588	ug/l #	89
18) Methyl Acetate	4.526	43	79	1.504	ug/l #	55
20) Methylene Chloride	4.962	84	7724	1.845	ug/l #	81
25) 2-Butanone	7.203	43	5517	6.315	ug/l #	67
31) Cyclohexane	7.967	56	9239	1.609	ug/l #	56
36) 1,1-Dichloropropene	7.973	75	22468	4.199	ug/l #	53
38) Carbon Tetrachloride	7.973	117	27179	4.965	ug/l #	16
39) Methylcyclohexane	9.350	83	30657	4.914	ug/l	92
52) Toluene	10.397	92	15415	1.587	ug/l	99
55) 1,1,2-Trichloroethane	10.761	97	6504	2.169	ug/l #	17
59) 2-Hexanone	10.944	43	5430	3.770	ug/l #	27
67) Ethyl Benzene	11.732	91	19654	1.024	ug/l	98
68) m/p-Xylenes	11.844	106	29308	3.940	ug/l	98
69) o-Xylene	12.173	106	10902	1.589	ug/l	96
76) 1,2,3-Trichloropropane	12.620	75	114551	46.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	114551	111.713	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.338	75	1280	2.534	ug/l #	6
95) Naphthalene	15.385	128	1760	4.450	ug/l #	93

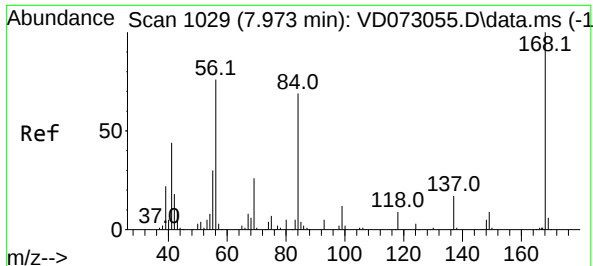
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
Data File : VD073086.D
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Misc : 5.33G/5.00ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

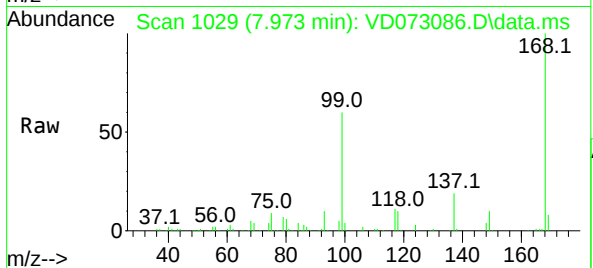
Quant Time: May 18 06:23:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



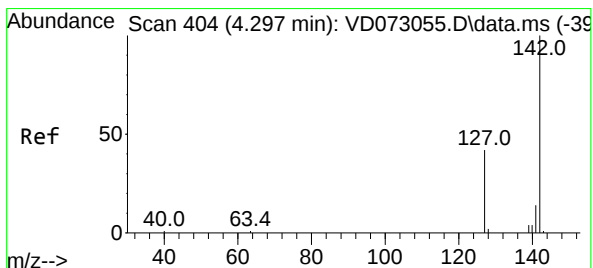
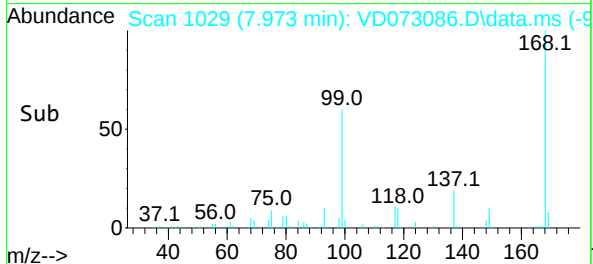
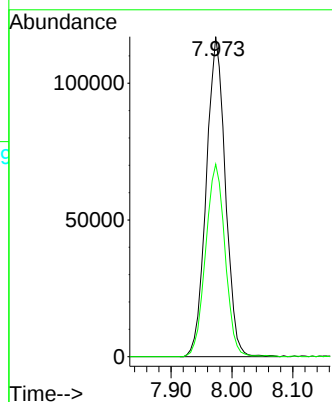


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Instrument :
MSVOA_D
ClientSampleId :

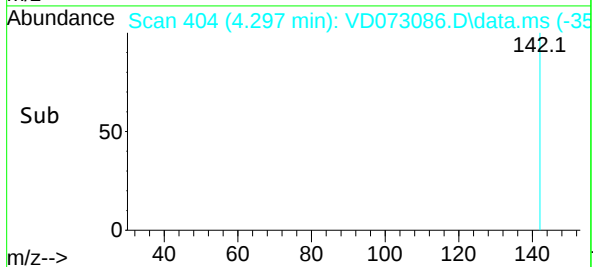
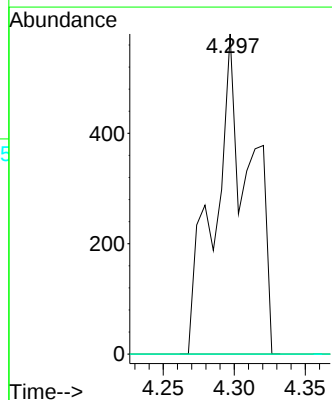
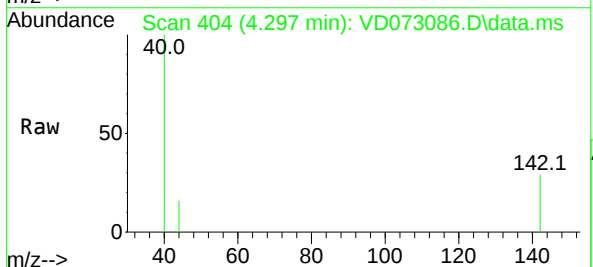


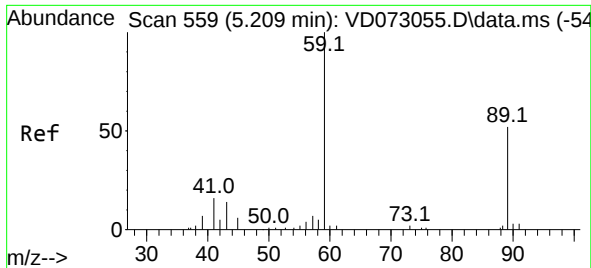
Tgt Ion:168 Resp: 254921
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#10
Methyl Iodide
Concen: 4.526 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

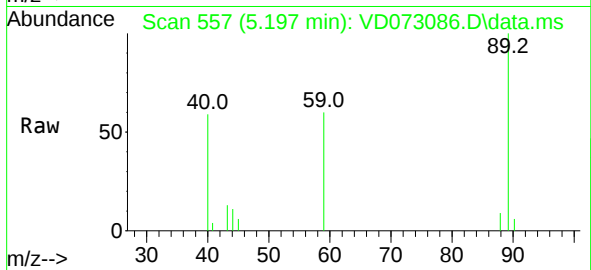
Tgt Ion:142 Resp: 1026
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



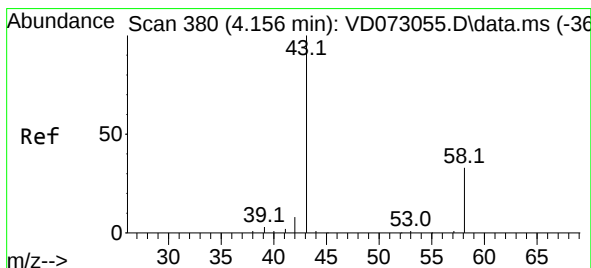
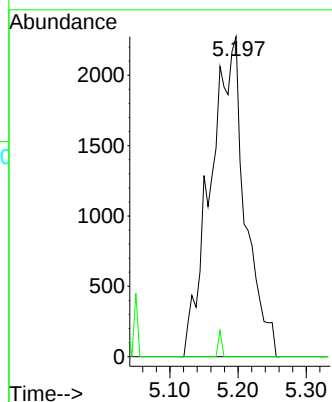
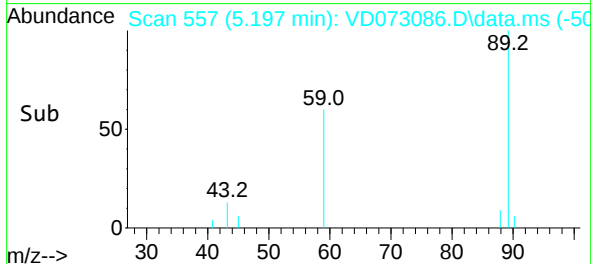


#11
Tert butyl alcohol
Concen: 16.270 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

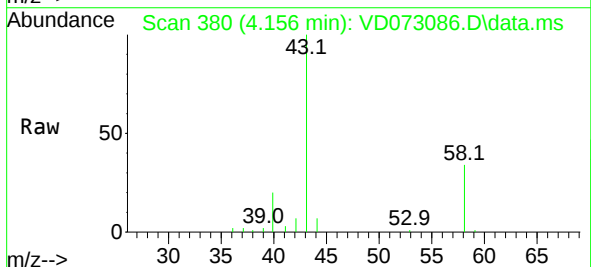
Instrument :
MSVOA_D
ClientSampleId :



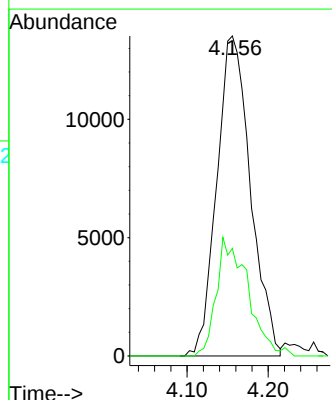
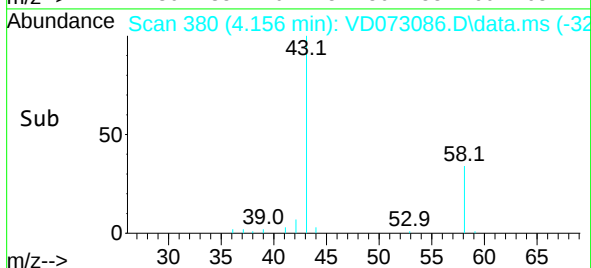
Tgt Ion: 59 Resp: 8023
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

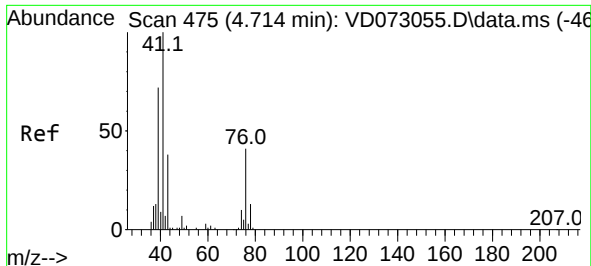


#16
Acetone
Concen: 67.588 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06



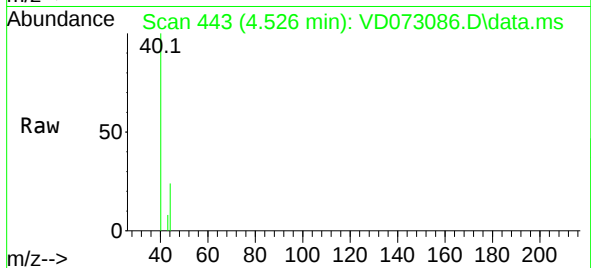
Tgt Ion: 43 Resp: 38992
Ion Ratio Lower Upper
43 100
58 33.6 22.1 33.1#



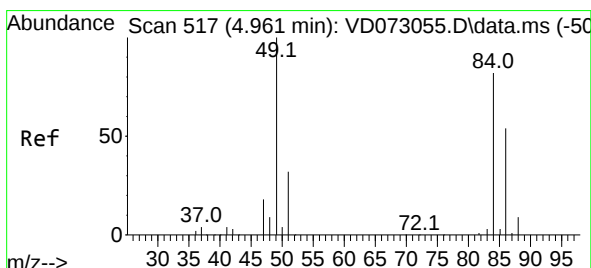
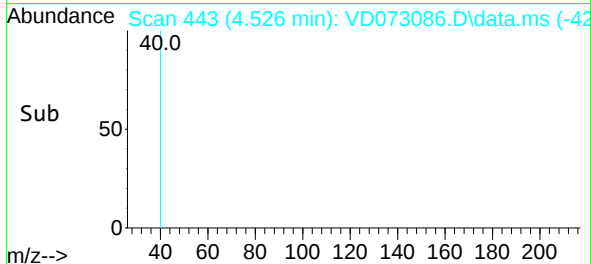
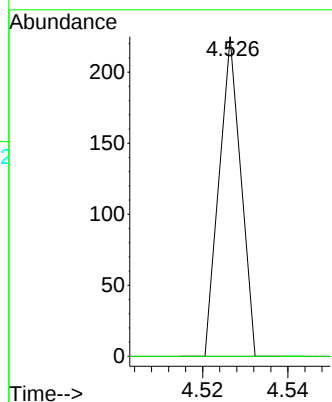


#18
Methyl Acetate
Concen: 1.504 ug/l
RT: 4.526 min Scan# 443
Delta R.T. -0.188 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Instrument :
MSVOA_D
ClientSampleId :

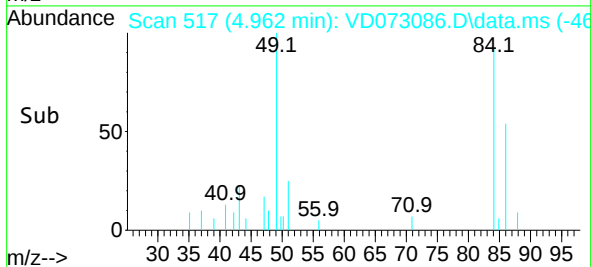
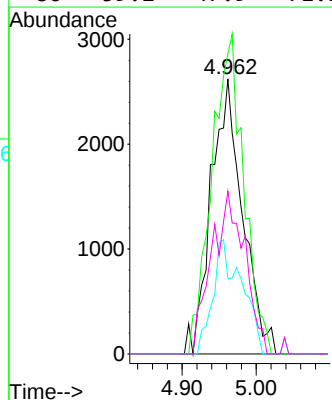
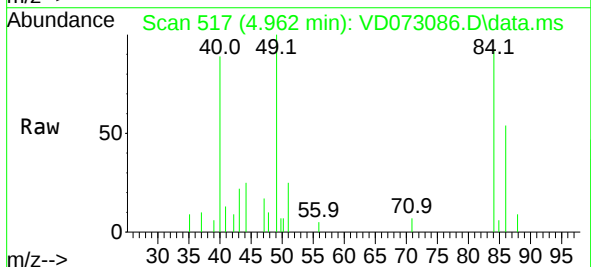


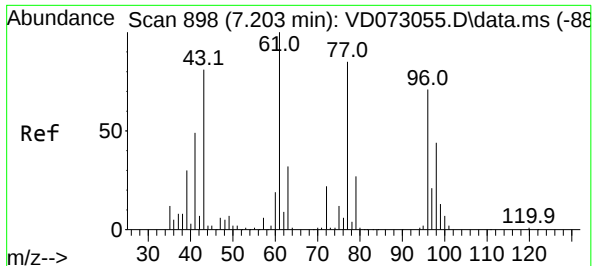
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.845 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion: 84 Resp: 7724
Ion Ratio Lower Upper
84 100
49 109.2 112.8 169.2#
51 27.3 32.6 48.8#
86 59.2 47.9 71.9





#25

2-Butanone

Concen: 6.315 ug/l

RT: 7.203 min Scan# 89

Delta R.T. 0.000 min

Lab File: VD073086.D

Acq: 18 May 2022 06:06

Instrument :

MSVOA_D

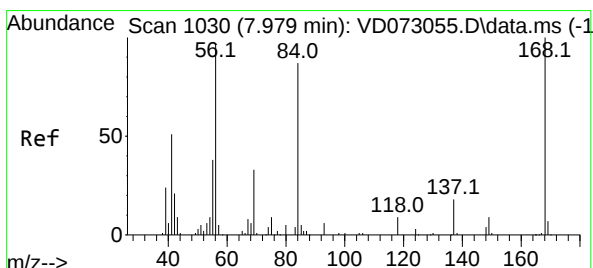
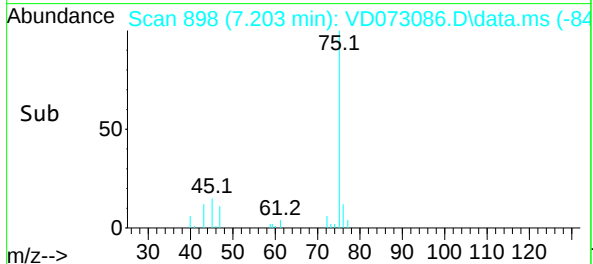
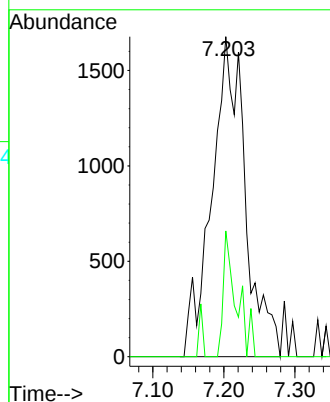
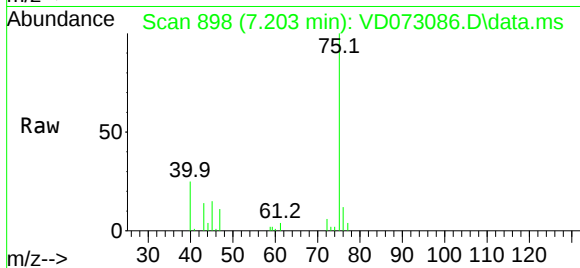
ClientSampleId :

Tgt Ion: 43 Resp: 5517

Ion Ratio Lower Upper

43 100

72 39.3 18.6 27.8#



#31

Cyclohexane

Concen: 1.609 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073086.D

Acq: 18 May 2022 06:06

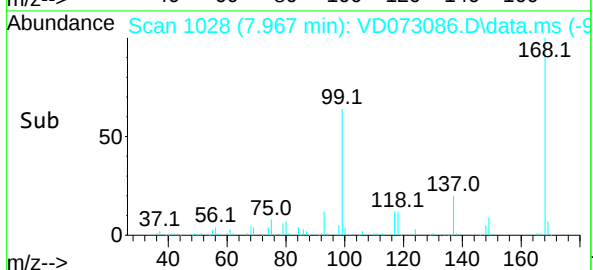
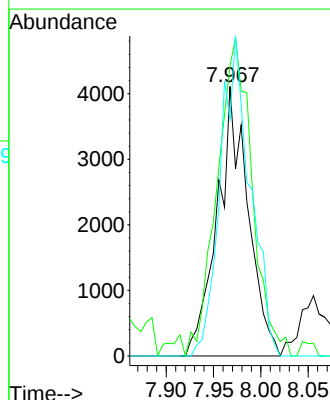
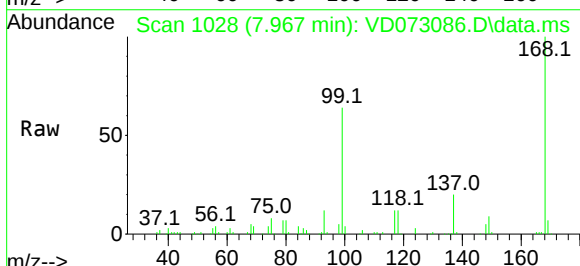
Tgt Ion: 56 Resp: 9239

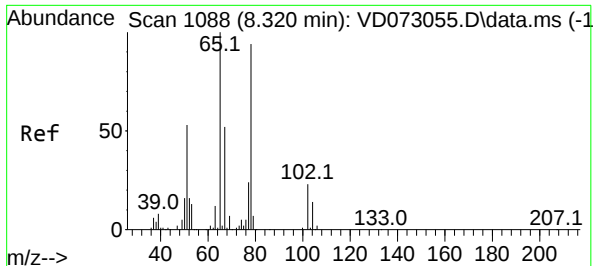
Ion Ratio Lower Upper

56 100

69 102.2 25.4 38.2#

84 87.9 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 48.885 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073086.D

Acq: 18 May 2022 06:06

Instrument :

MSVOA_D

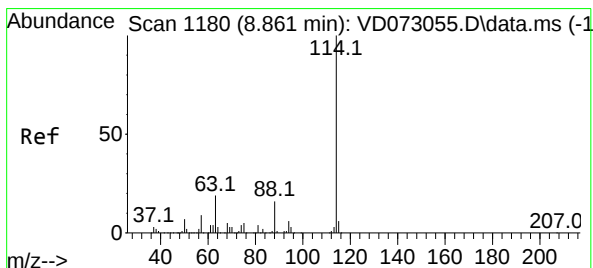
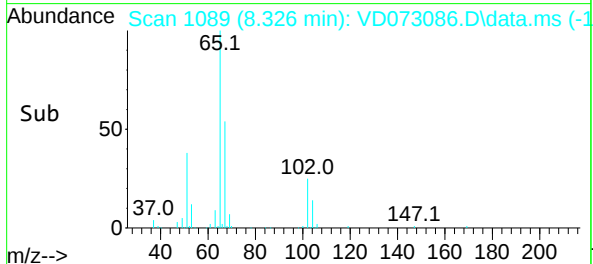
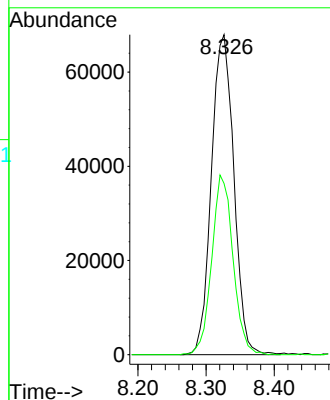
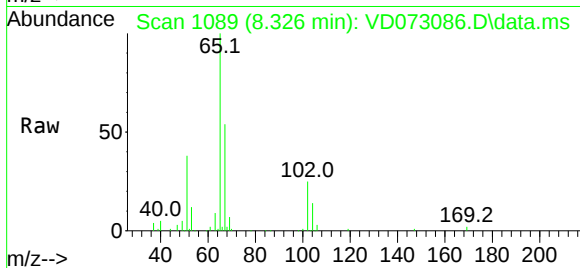
ClientSampleId :

Tgt Ion: 65 Resp: 155846

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073086.D

Acq: 18 May 2022 06:06

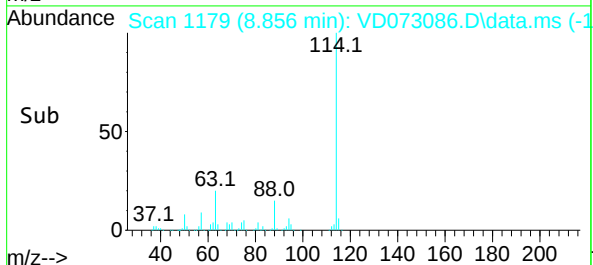
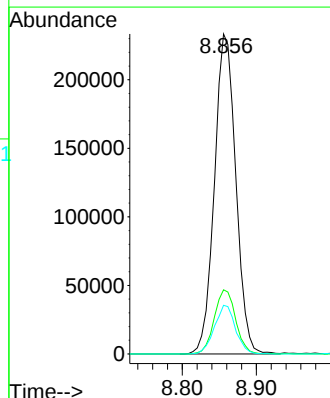
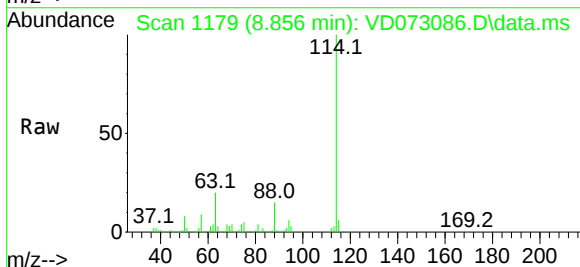
Tgt Ion: 114 Resp: 467709

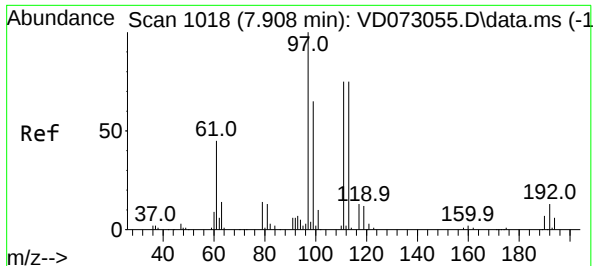
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.931 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

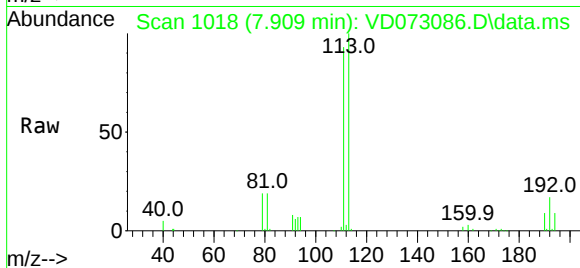
Lab File: VD073086.D

Acq: 18 May 2022 06:06

Instrument :

MSVOA_D

ClientSampleId :



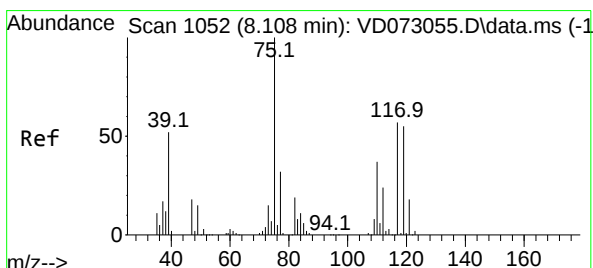
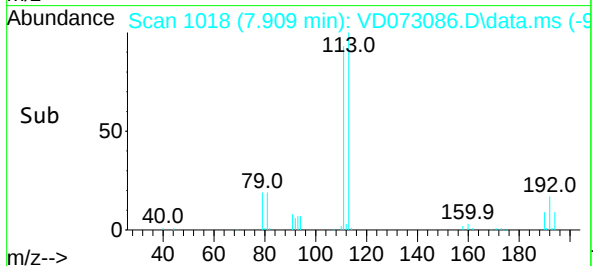
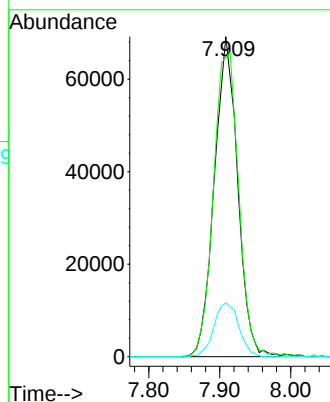
Tgt Ion:113 Resp: 157399

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.199 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073086.D

Acq: 18 May 2022 06:06

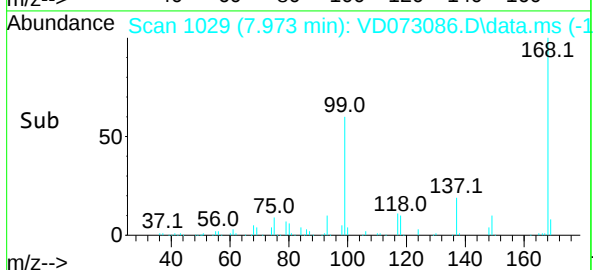
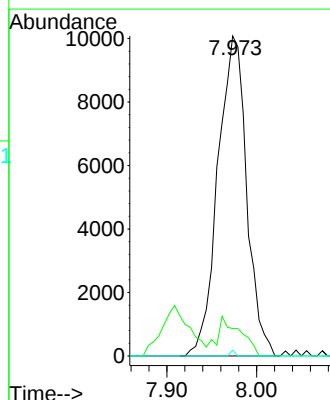
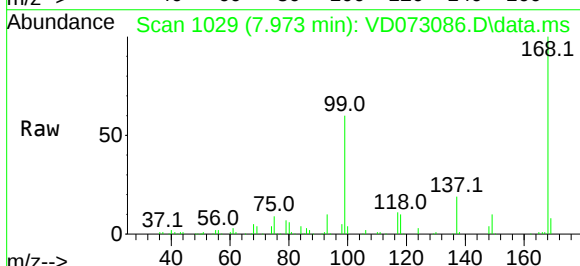
Tgt Ion: 75 Resp: 22468

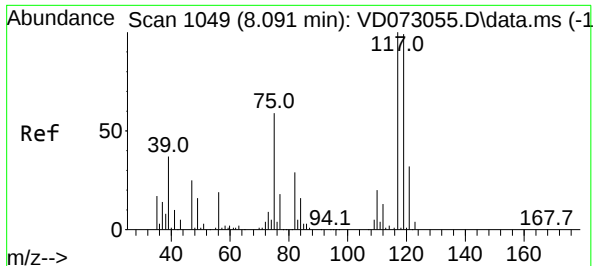
Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

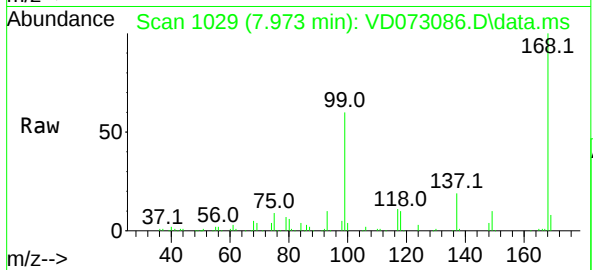
77 0.3 24.2 36.2#



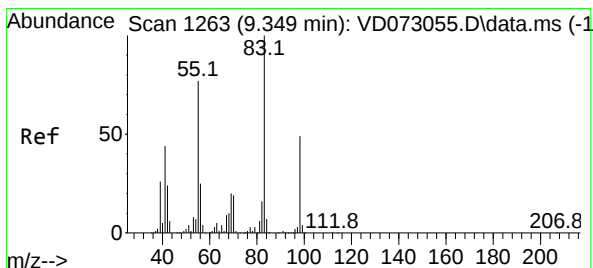
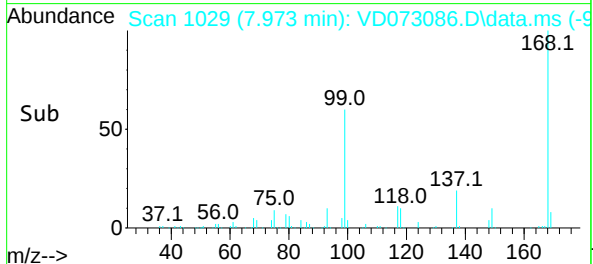
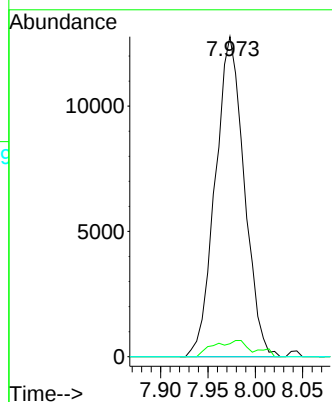


#38
Carbon Tetrachloride
Concen: 4.965 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.117 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Instrument :
MSVOA_D
ClientSampleId :

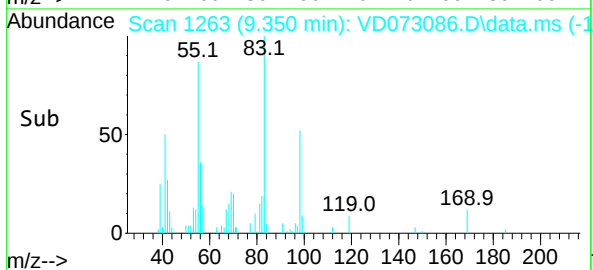
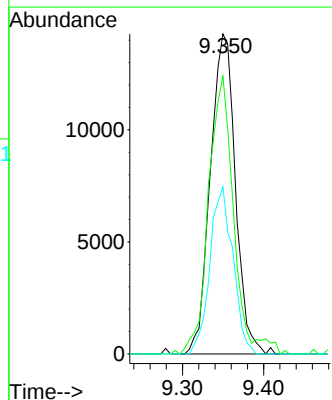
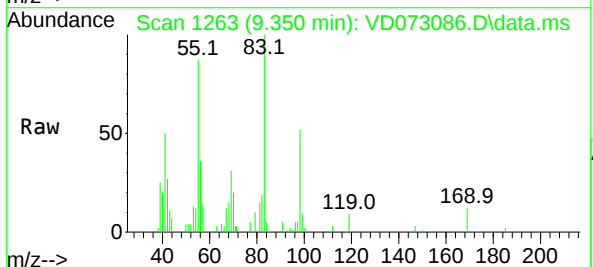


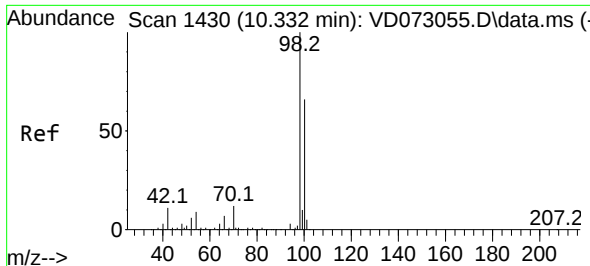
Tgt Ion:117 Resp: 27179
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 4.914 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion: 83 Resp: 30657
Ion Ratio Lower Upper
83 100
55 86.8 63.2 94.8
98 52.3 38.2 57.4

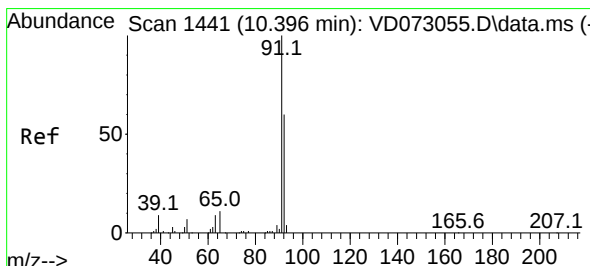
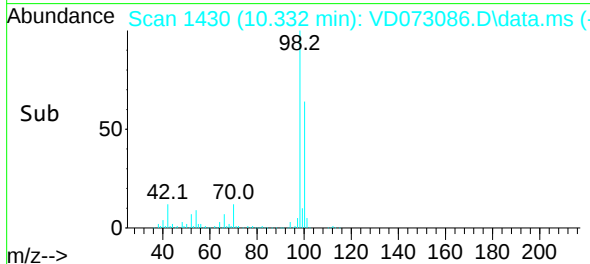
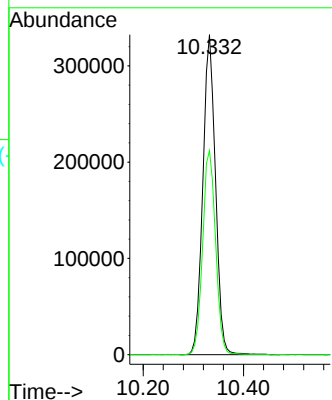
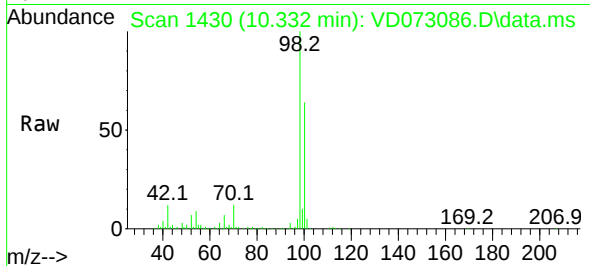




#50
Toluene-d8
Concen: 48.767 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

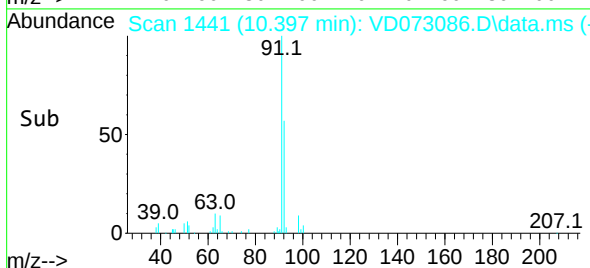
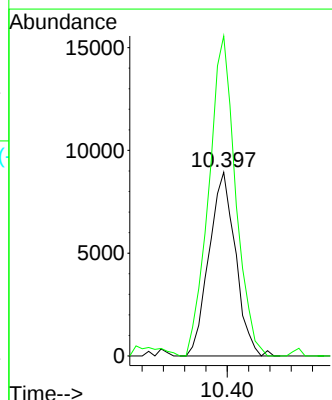
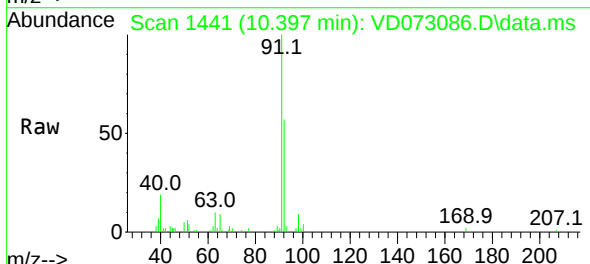
Instrument :
MSVOA_D
ClientSampleId :

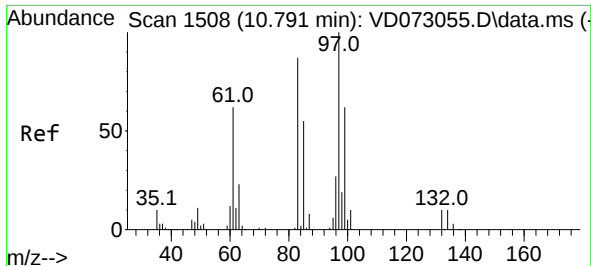
Tgt Ion: 98 Resp: 580974
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#52
Toluene
Concen: 1.587 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

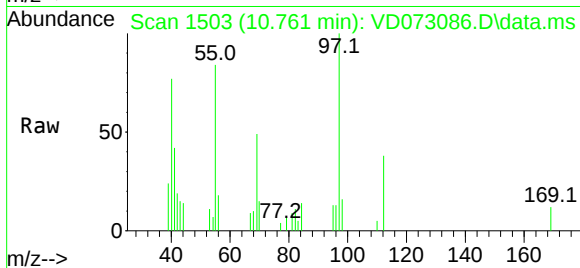
Tgt Ion: 92 Resp: 15415
Ion Ratio Lower Upper
92 100
91 176.2 139.6 209.4



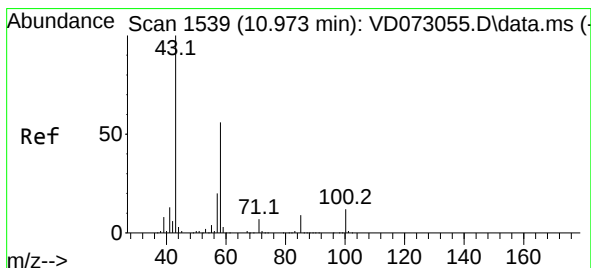
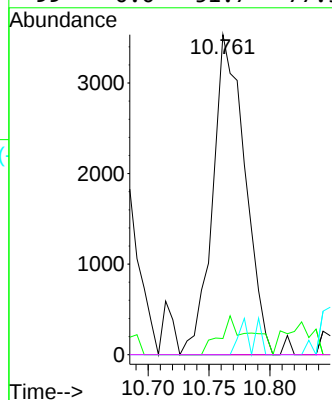
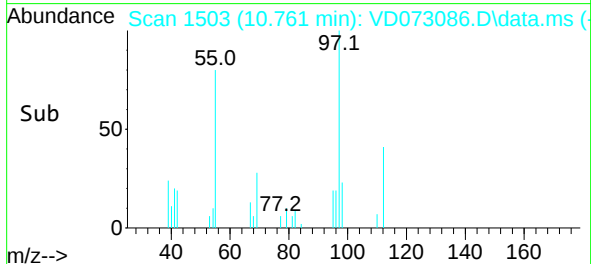


#55
1,1,2-Trichloroethane
Concen: 2.169 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.029 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Instrument :
MSVOA_D
ClientSampleId :

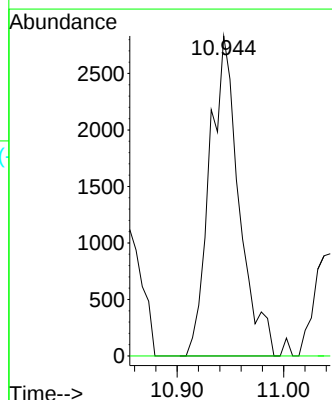
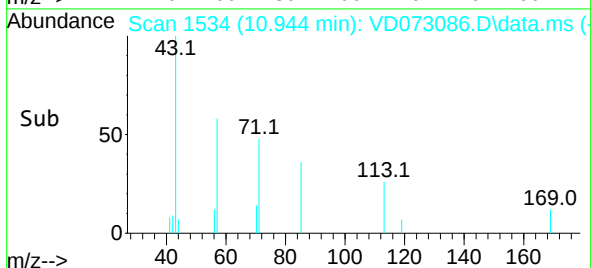
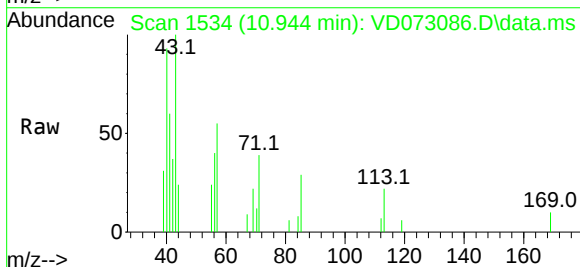


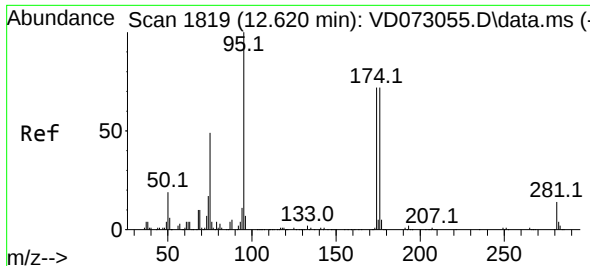
Tgt Ion: 97 Resp: 6504
Ion Ratio Lower Upper
97 100
83 5.1 69.0 103.4#
85 0.0 42.6 63.8#
99 0.0 51.7 77.5#



#59
2-Hexanone
Concen: 3.770 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion: 43 Resp: 5430
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

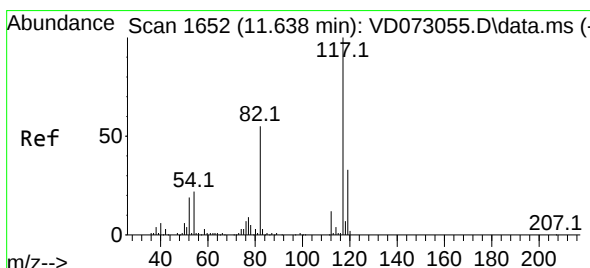
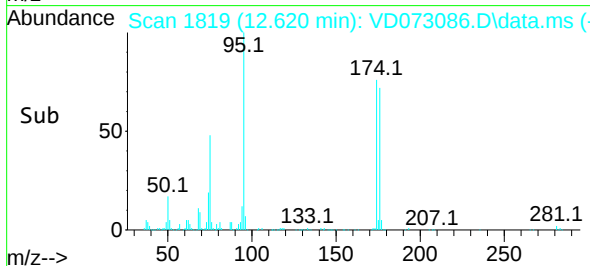
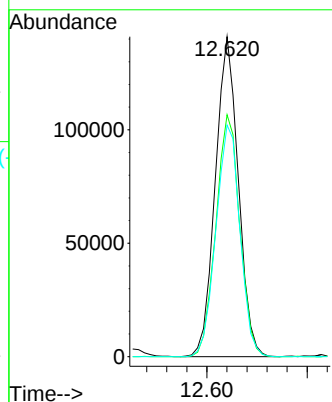
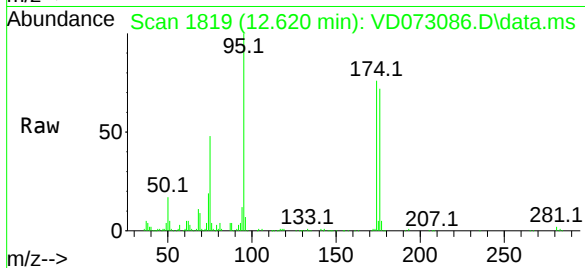




#62
4-Bromofluorobenzene
Concen: 51.943 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

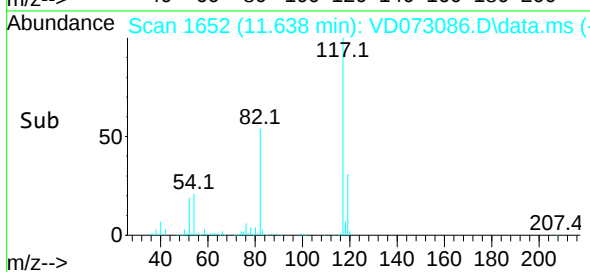
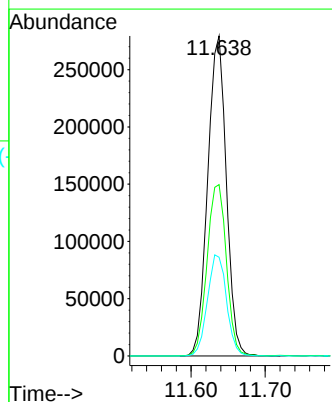
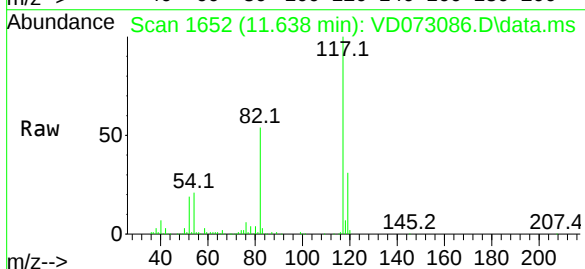
Instrument :
MSVOA_D
ClientSampleId :

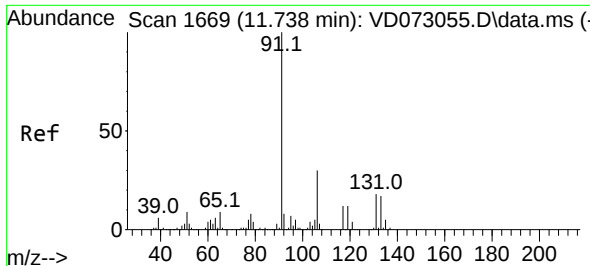
Tgt Ion: 95 Resp: 224127
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion: 117 Resp: 486120
Ion Ratio Lower Upper
117 100
82 53.4 45.3 67.9
119 30.8 26.6 40.0

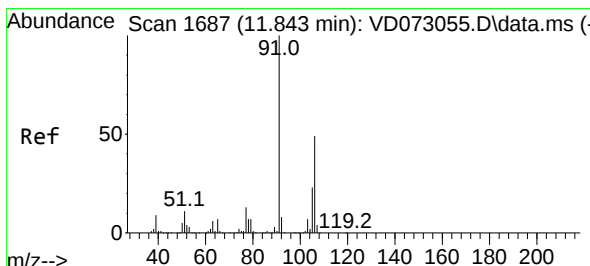
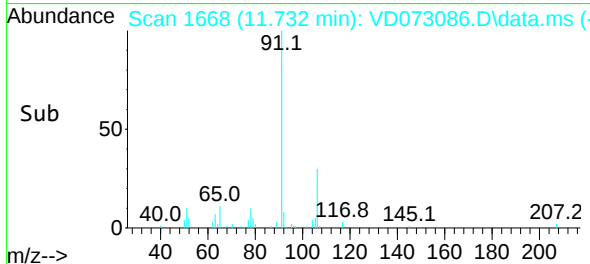
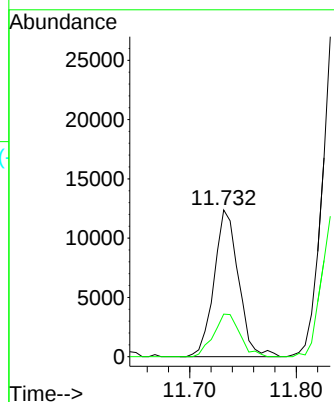
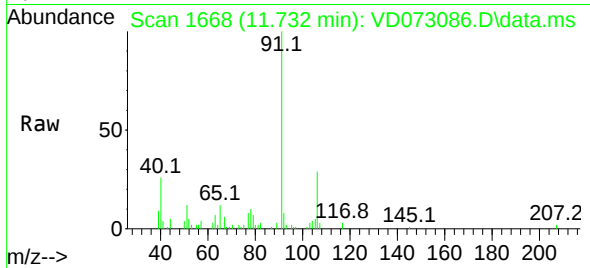




#67
Ethyl Benzene
Concen: 1.024 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

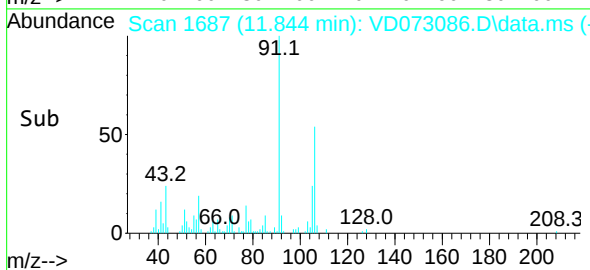
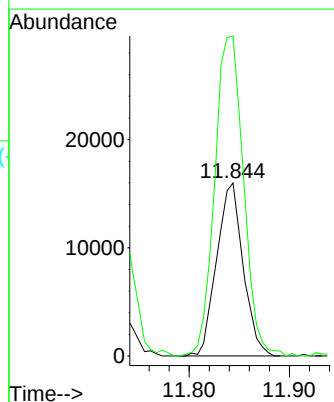
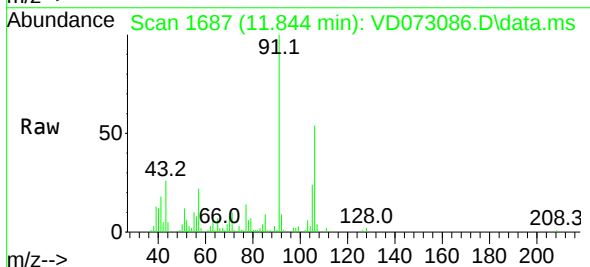
Instrument :
MSVOA_D
ClientSampleId :

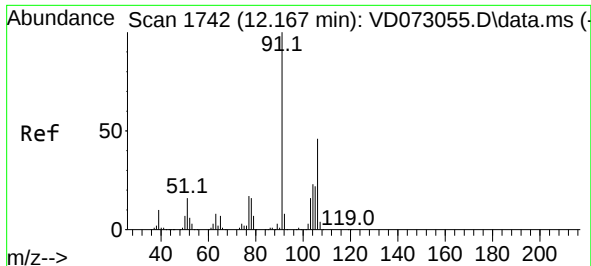
Tgt Ion: 91 Resp: 19654
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.4



#68
m/p-Xylenes
Concen: 3.940 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion: 106 Resp: 29308
Ion Ratio Lower Upper
106 100
91 201.5 163.7 245.5

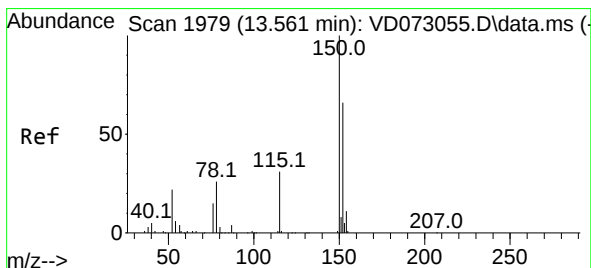
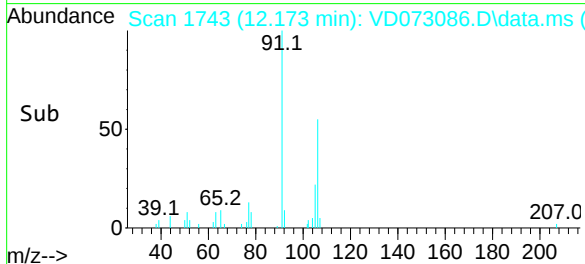
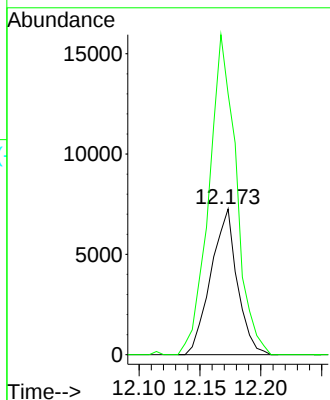
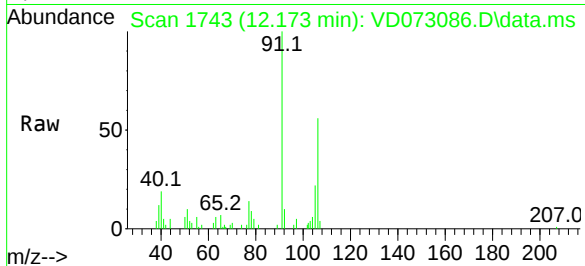




#69
o-Xylene
Concen: 1.589 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

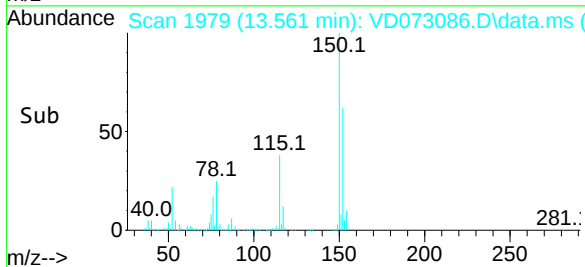
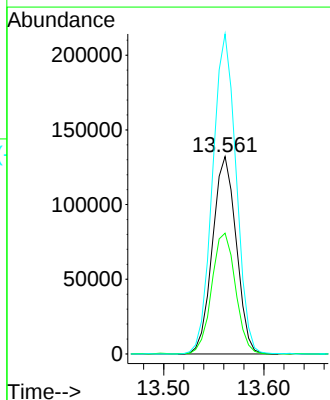
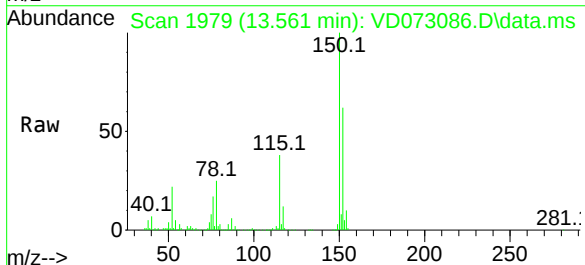
Instrument :
MSVOA_D
ClientSampleId :

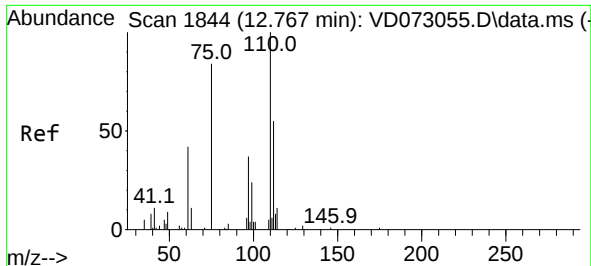
Tgt Ion:106 Resp: 10902
Ion Ratio Lower Upper
106 100
91 227.6 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

Tgt Ion:152 Resp: 217498
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.8
150 160.8 0.0 348.6

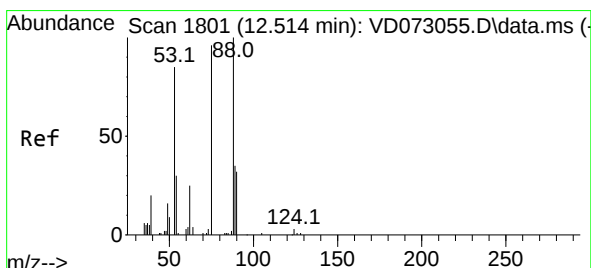
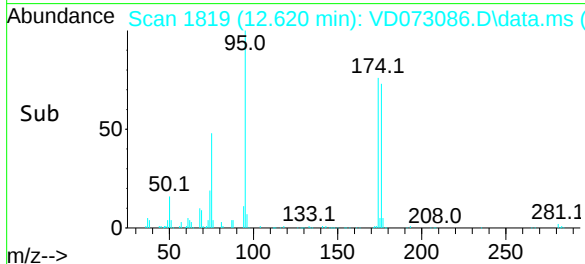
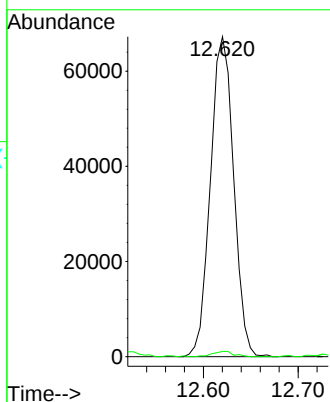
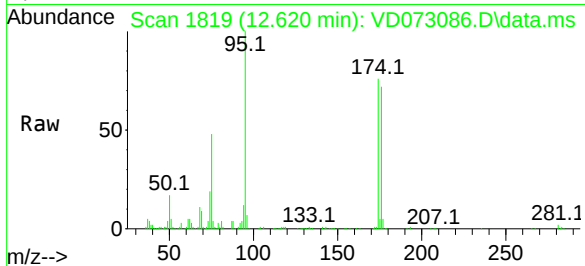




#76
1,2,3-Trichloropropane
Concen: 46.591 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

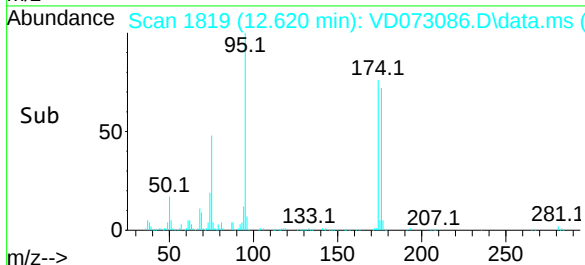
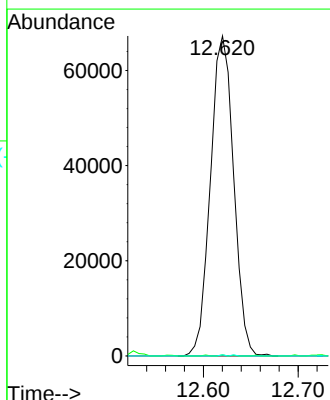
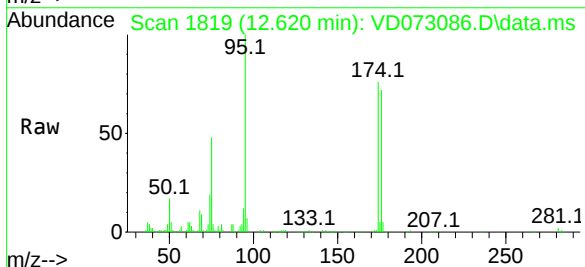
Instrument :
MSVOA_D
ClientSampleId :

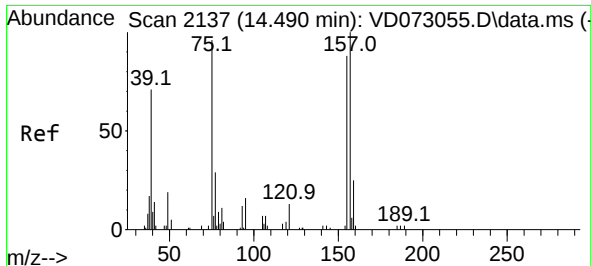
Tgt Ion: 75 Resp: 114551
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.713 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

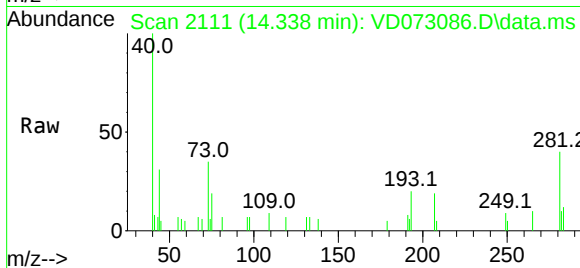
Tgt Ion: 75 Resp: 114551
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



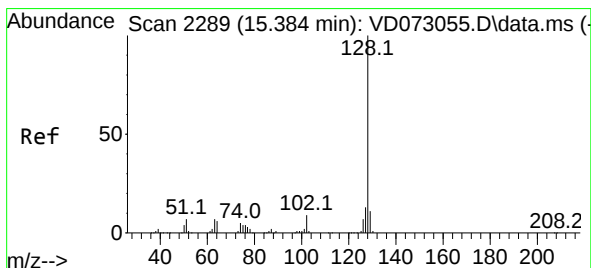
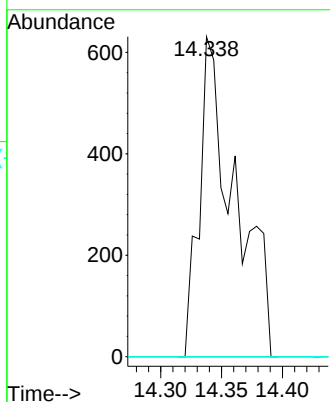
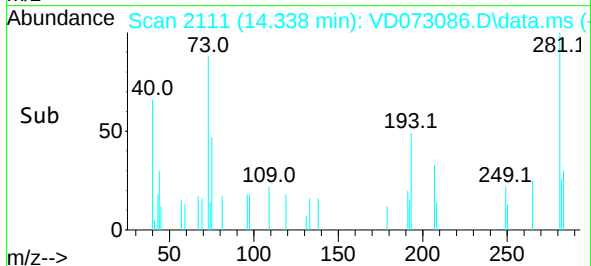


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.534 ug/l
RT: 14.338 min Scan# 2137
Delta R.T. -0.153 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06

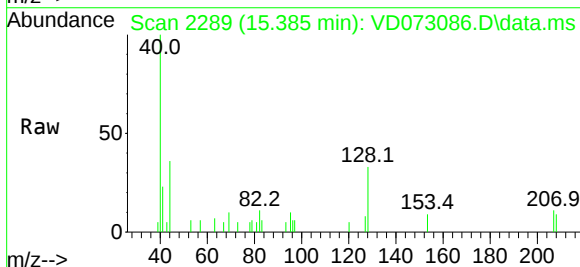
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 1280
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 4.450 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD073086.D
Acq: 18 May 2022 06:06



Tgt Ion: 128 Resp: 1760
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 7.3 8.4 12.6#

