

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\
 Data File : VD073518.D
 Acq On : 09 Jun 2022 20:15
 Operator : VA/SY
 Sample : N3028-03RE
 Misc : 4.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

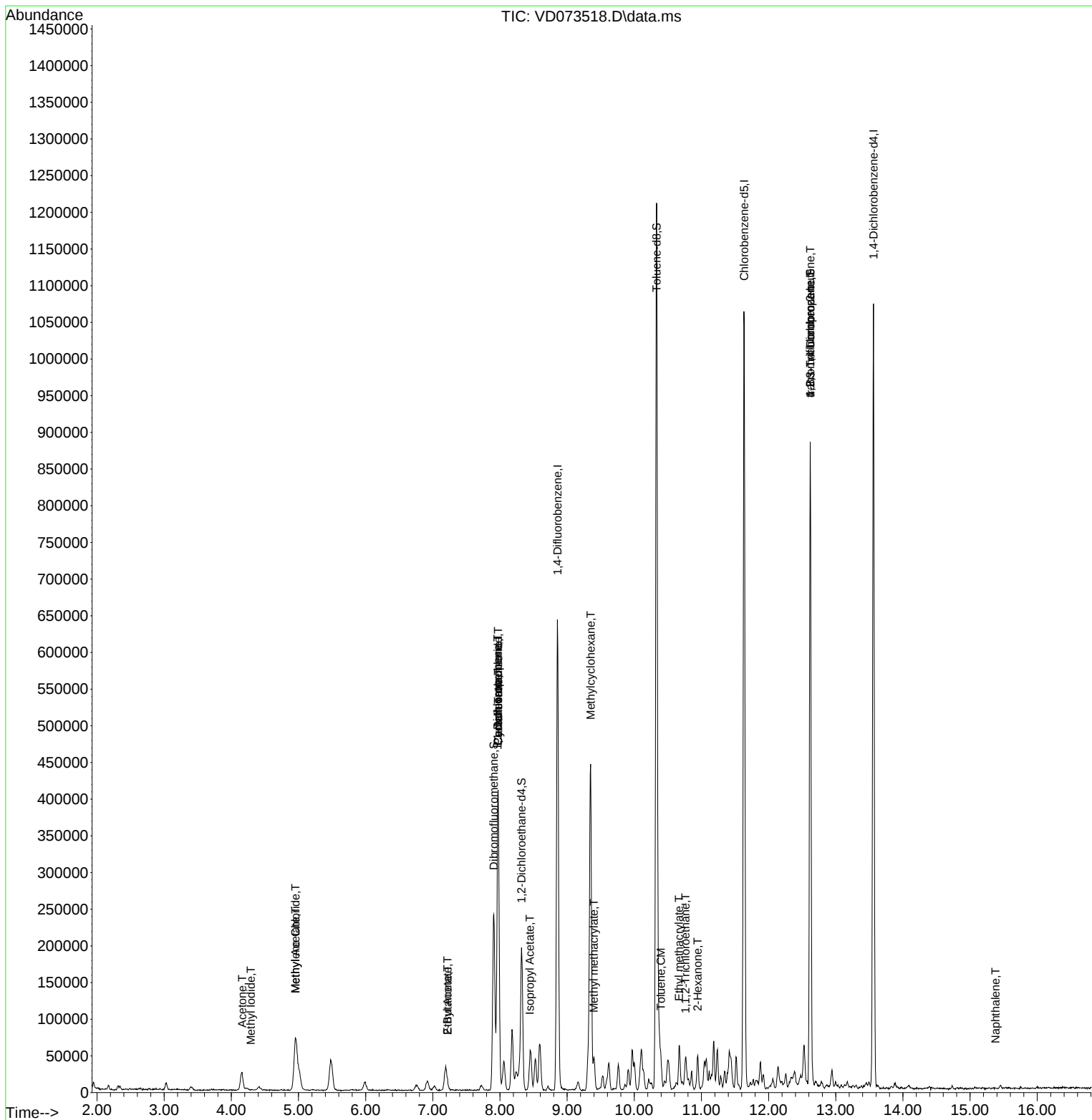
Quant Time: Jun 10 06:15:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 10 05:32:19 2022
 Response via : Initial Calibration

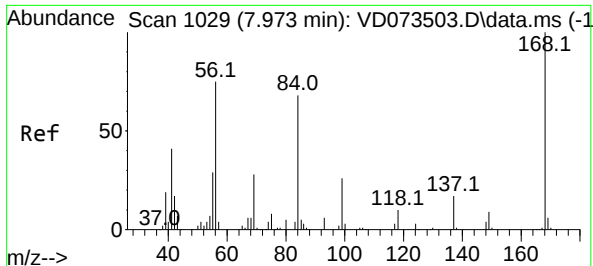
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	295881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	561954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	630652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	291994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	149540	47.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.200%
35) Dibromofluoromethane	7.909	113	177436	49.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.200%
50) Toluene-d8	10.332	98	732562	53.618	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.240%
62) 4-Bromofluorobenzene	12.620	95	296566	59.793	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	412	4.276	ug/l #	86
11) Tert butyl alcohol	5.209	59	555	Below Cal	#	74
16) Acetone	4.162	43	41604	74.416	ug/l	97
18) Methyl Acetate	4.956	43	7639	6.083	ug/l #	55
20) Methylene Chloride	4.956	84	53686	12.901	ug/l #	81
25) 2-Butanone	7.220	43	12698	15.436	ug/l	93
31) Cyclohexane	7.973	56	15368	2.873	ug/l #	21
36) 1,1-Dichloropropene	7.967	75	22282	4.106	ug/l #	52
37) Ethyl Acetate	7.220	43	12698	5.792	ug/l #	72
38) Carbon Tetrachloride	7.973	117	28542	5.027	ug/l #	17
39) Methylcyclohexane	9.350	83	179516	28.383	ug/l	99
43) Isopropyl Acetate	8.444	43	8978	2.129	ug/l #	54
48) Methyl methacrylate	9.397	41	7766	3.717	ug/l #	19
52) Toluene	10.397	92	17452	1.724	ug/l	96
55) 1,1,2-Trichloroethane	10.761	97	14245	4.534	ug/l #	20
56) Ethyl methacrylate	10.667	69	6877	1.910	ug/l #	41
59) 2-Hexanone	10.944	43	19368	13.251	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	144825	51.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	144825	119.836	ug/l #	7
95) Naphthalene	15.379	128	830	4.276	ug/l #	70

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

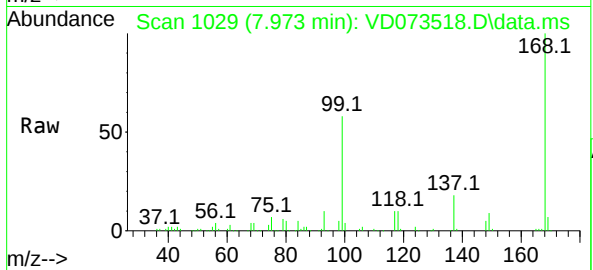
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Quant Title : SW846 8260
QLast Update : Fri Jun 10 05:32:19 2022
Response via : Initial Calibration



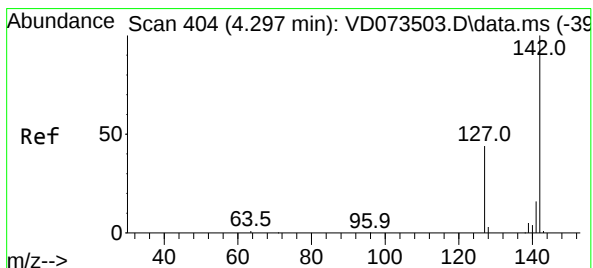
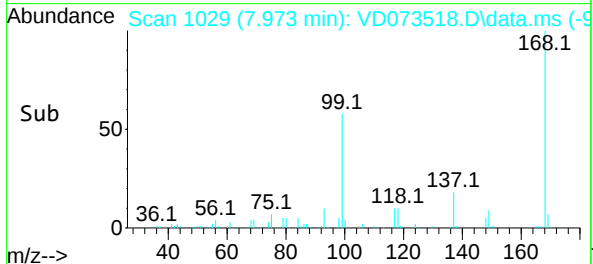
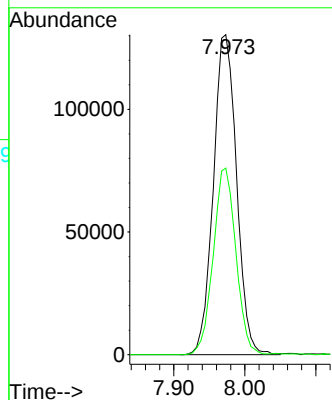


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :

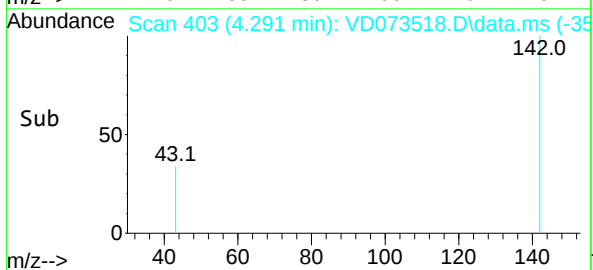
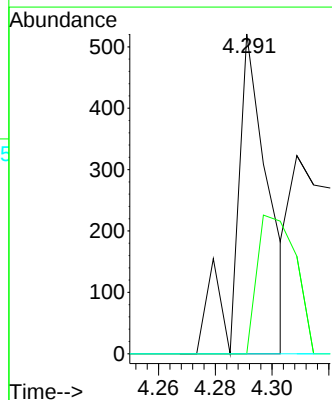
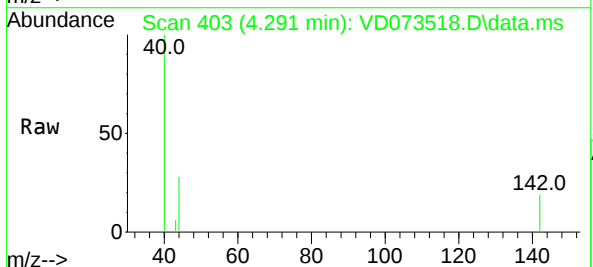


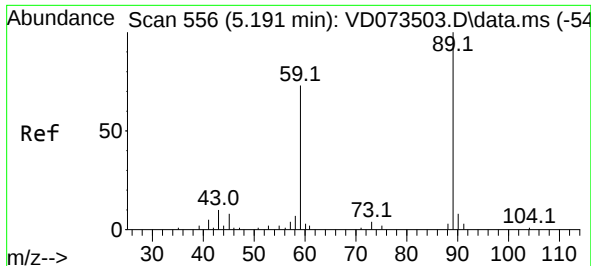
Tgt Ion:168 Resp: 295881
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#10
Methyl Iodide
Concen: 4.276 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

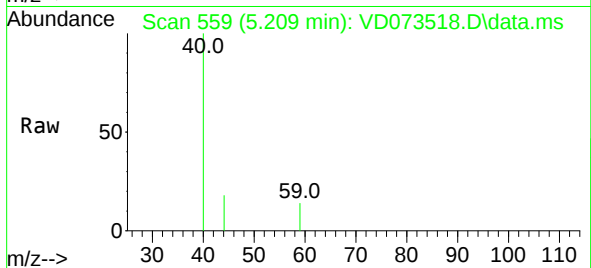
Tgt Ion:142 Resp: 412
Ion Ratio Lower Upper
142 100
127 51.5 37.3 55.9
141 0.0 11.7 17.5#



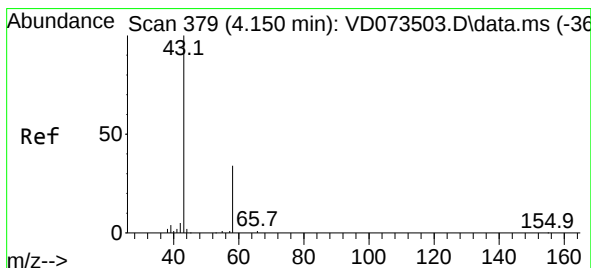
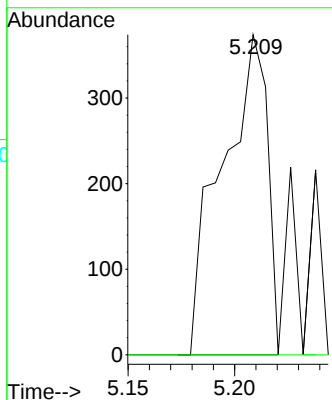


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 511
Delta R.T. 0.018 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :

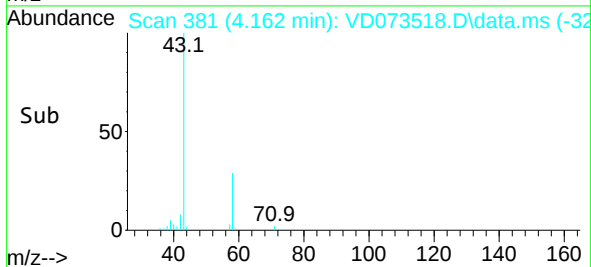
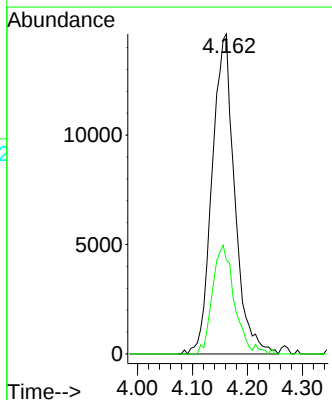
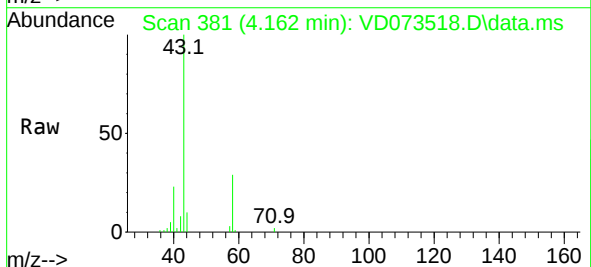


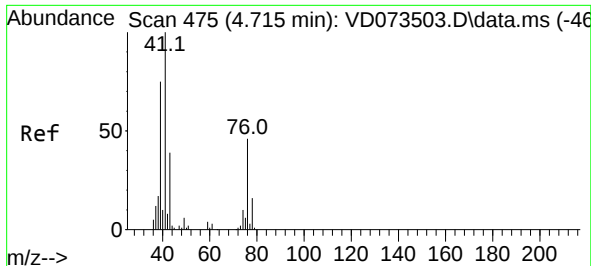
Tgt Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 74.416 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

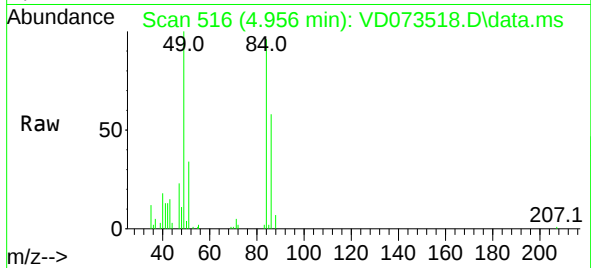
Tgt Ion: 43 Resp: 41604
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1



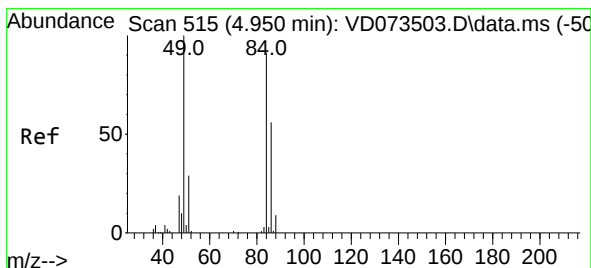
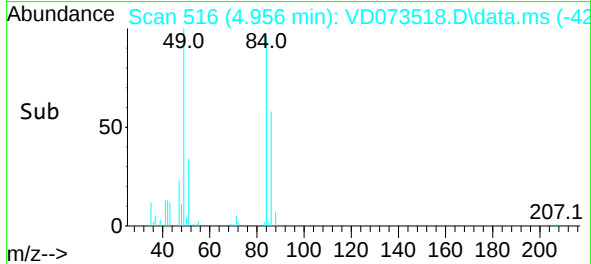
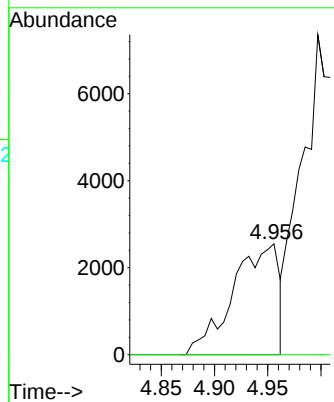


#18
Methyl Acetate
Concen: 6.083 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.241 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :

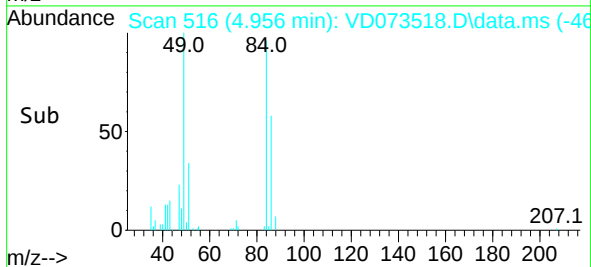
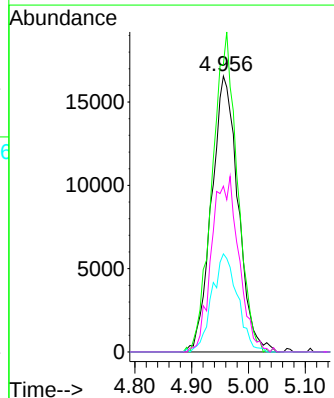
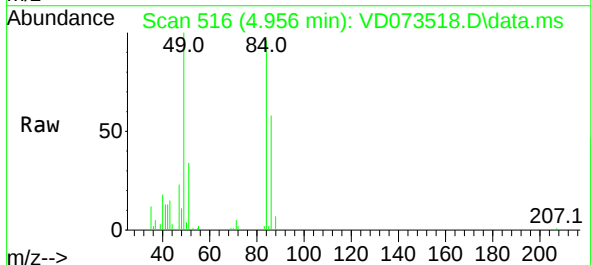


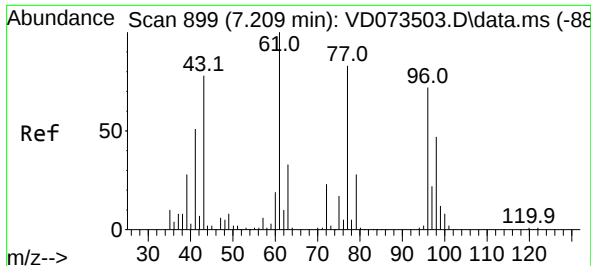
Tgt Ion: 43 Resp: 7639
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 12.901 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 84 Resp: 53686
Ion Ratio Lower Upper
84 100
49 104.2 112.8 169.2#
51 35.5 32.6 48.8
86 60.1 47.9 71.9

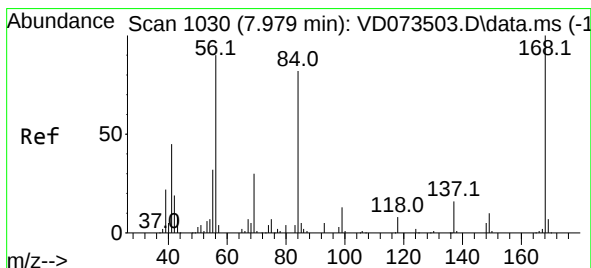
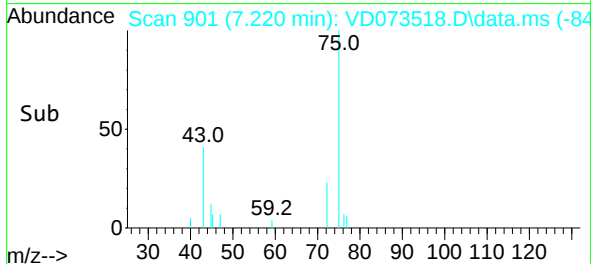
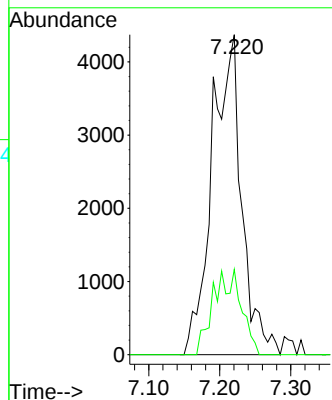
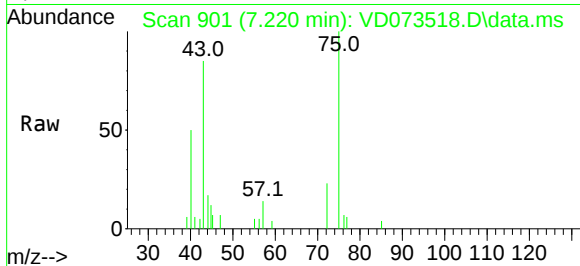




#25
2-Butanone
Concen: 15.436 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

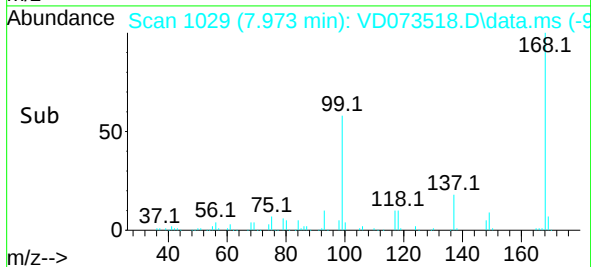
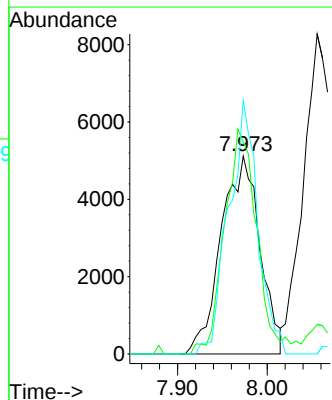
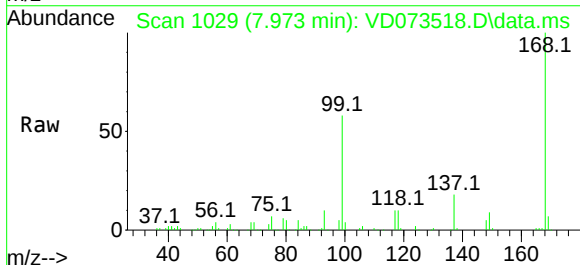
Instrument :
MSVOA_D
ClientSampleId :

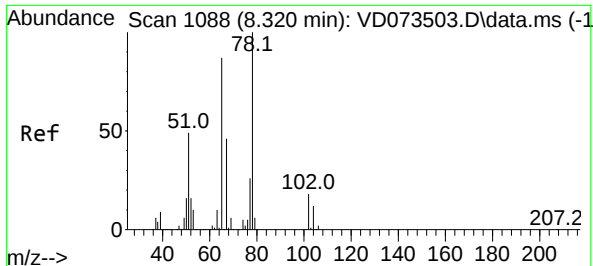
Tgt Ion: 43 Resp: 12698
Ion Ratio Lower Upper
43 100
72 26.7 18.6 27.8



#31
Cyclohexane
Concen: 2.873 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 56 Resp: 15368
Ion Ratio Lower Upper
56 100
69 107.1 25.4 38.2#
84 128.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.096 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

Instrument :

MSVOA_D

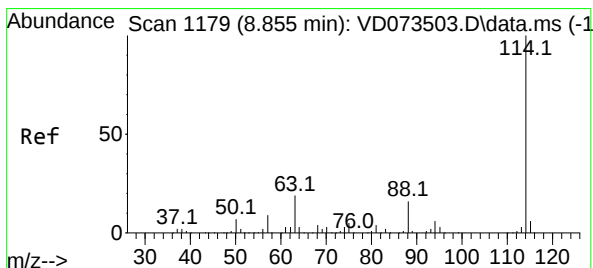
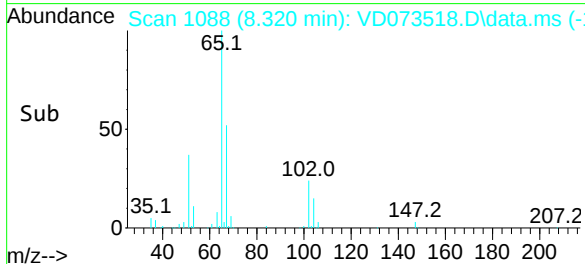
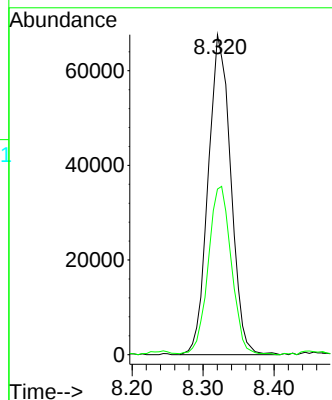
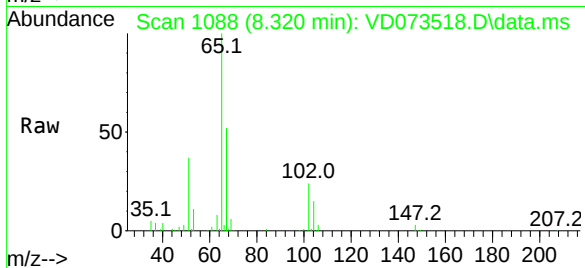
ClientSampleId :

Tgt Ion: 65 Resp: 149540

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

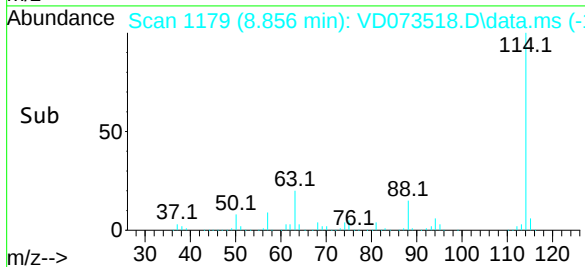
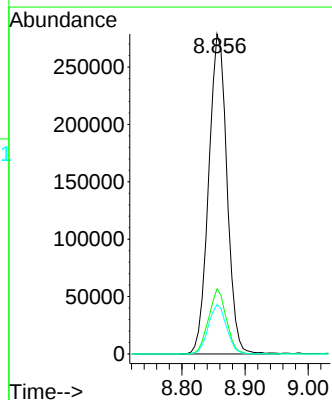
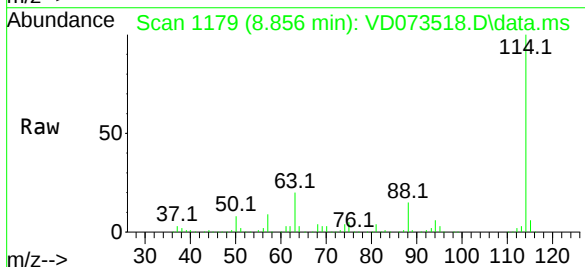
Tgt Ion: 114 Resp: 561954

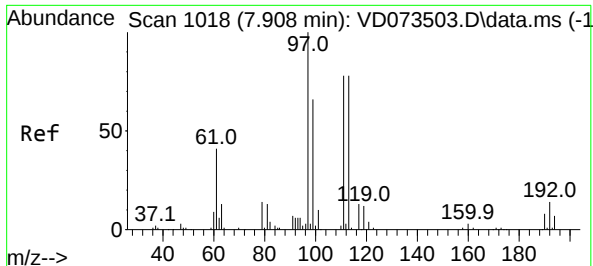
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.102 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

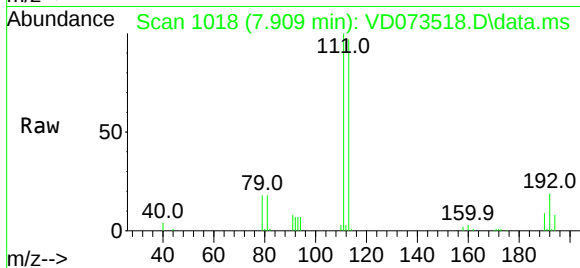
Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :



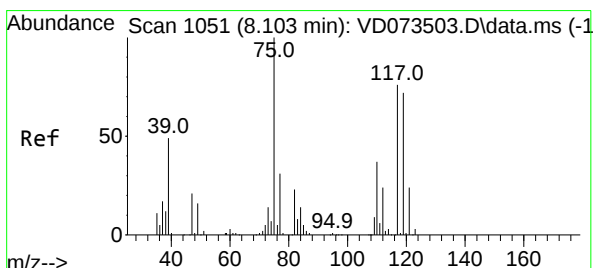
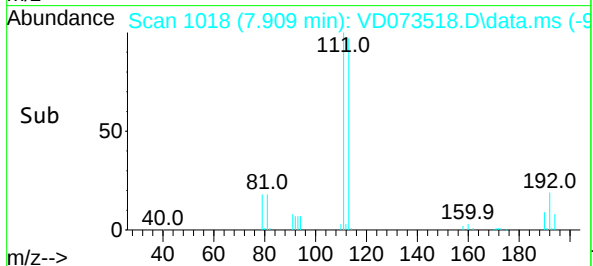
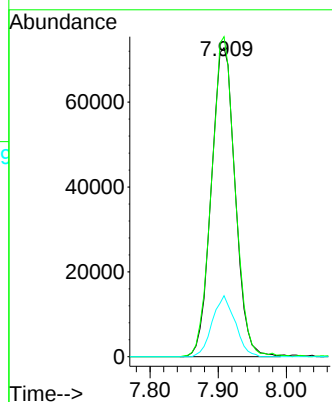
Tgt Ion:113 Resp: 177436

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.106 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

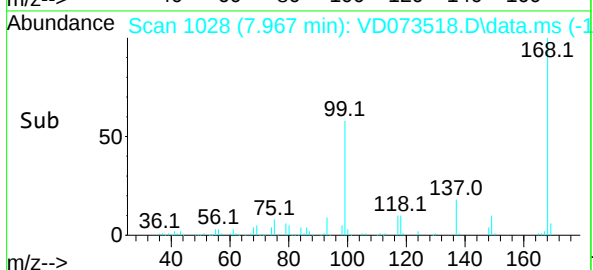
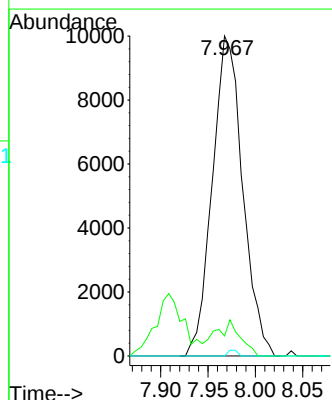
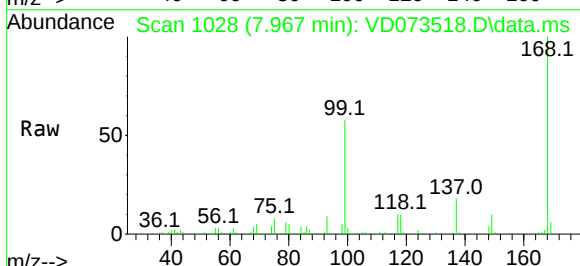
Tgt Ion: 75 Resp: 22282

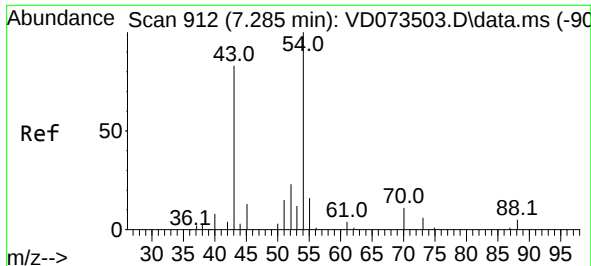
Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.6 24.2 36.2#





#37

Ethyl Acetate

Concen: 5.792 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.065 min

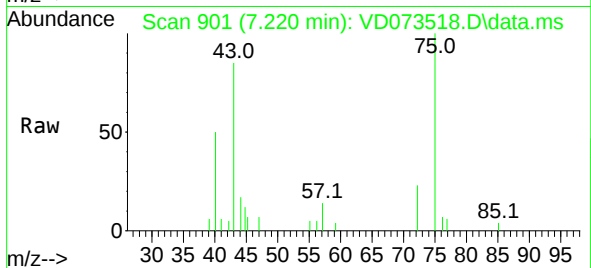
Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :



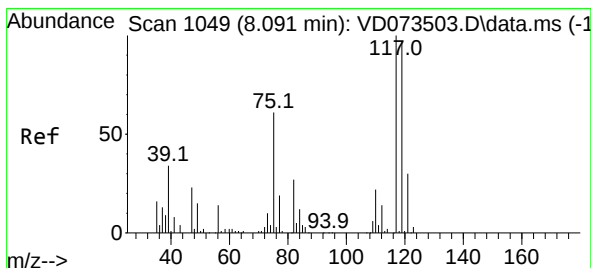
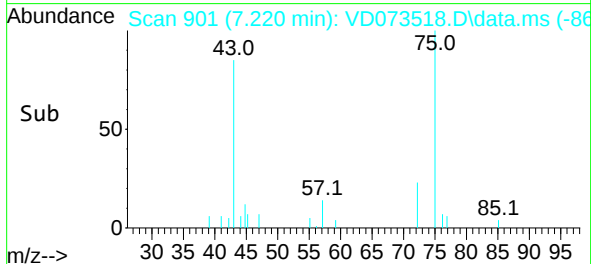
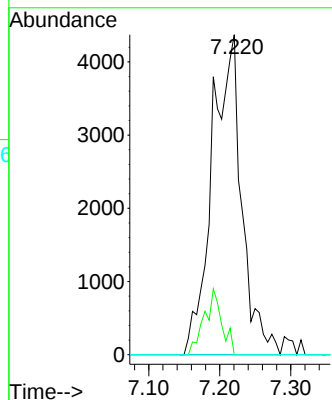
Tgt Ion: 43 Resp: 12698

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

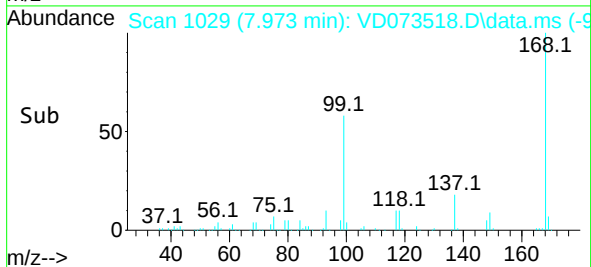
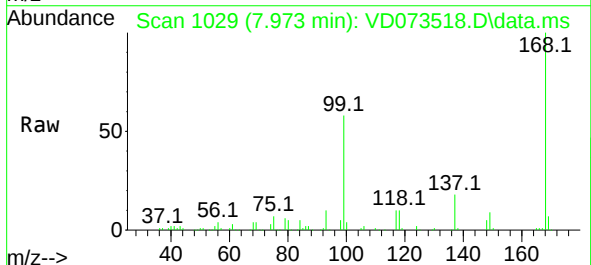
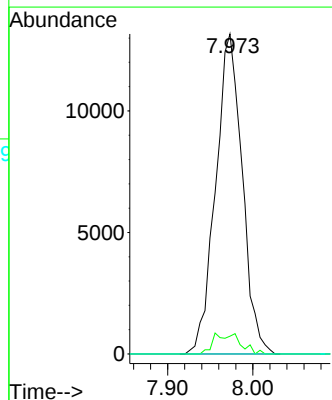
Tgt Ion: 117 Resp: 28542

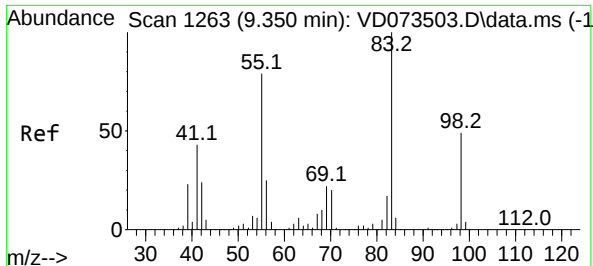
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 28.383 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

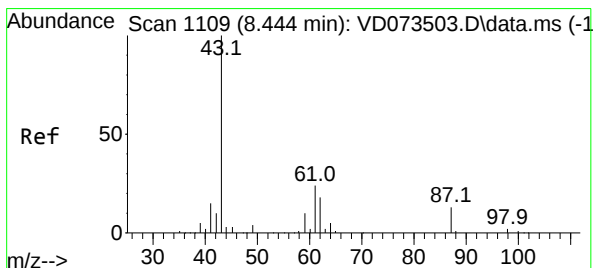
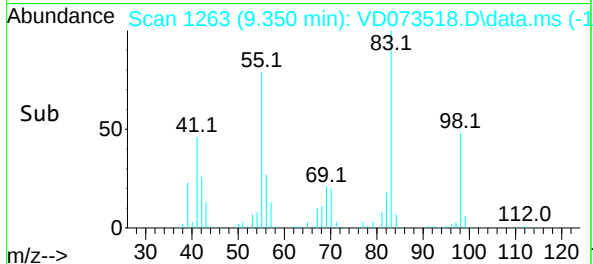
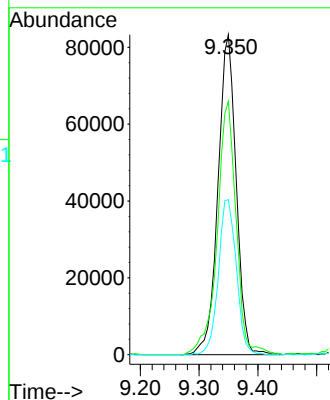
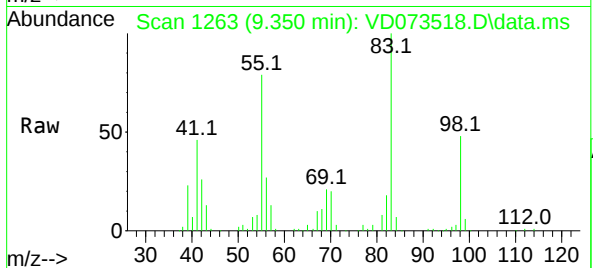
Tgt Ion: 83 Resp: 179516

Ion Ratio Lower Upper

83 100

55 79.2 63.2 94.8

98 48.5 38.2 57.4



#43

Isopropyl Acetate

Concen: 2.129 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

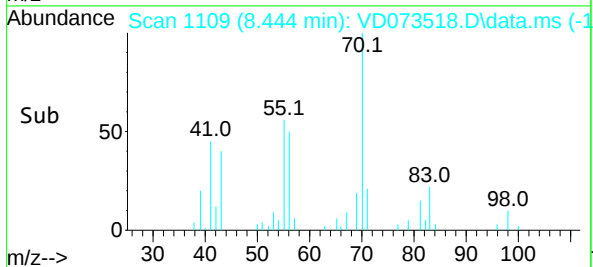
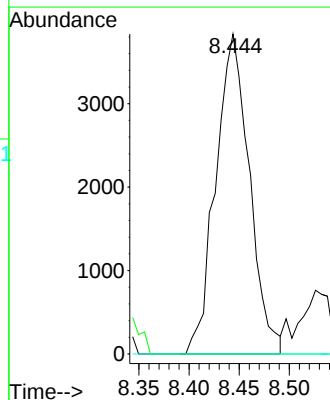
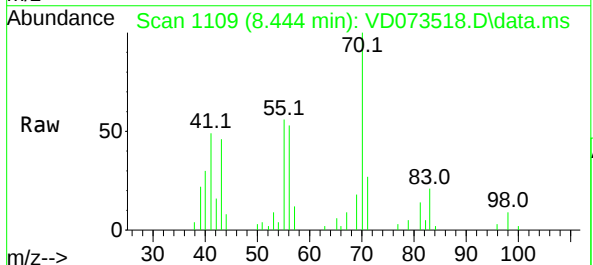
Tgt Ion: 43 Resp: 8978

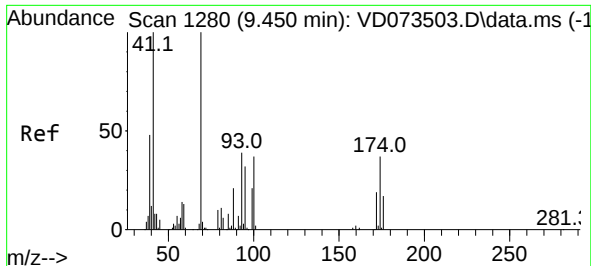
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#





#48

Methyl methacrylate

Concen: 3.717 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.053 min

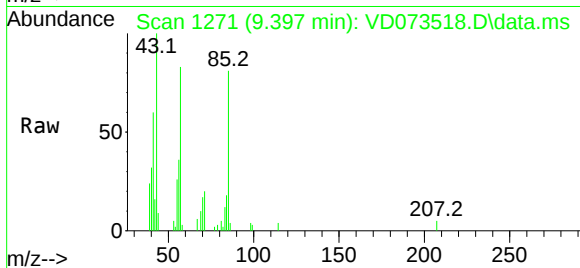
Lab File: VD073518.D

Acq: 09 Jun 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :



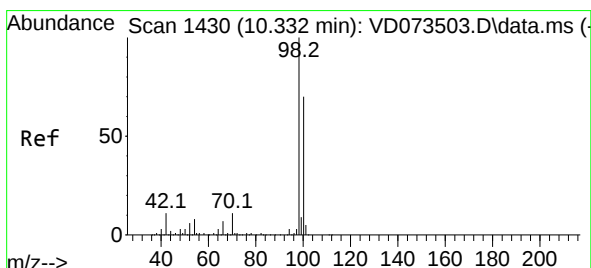
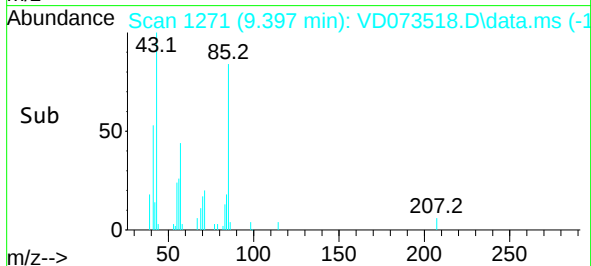
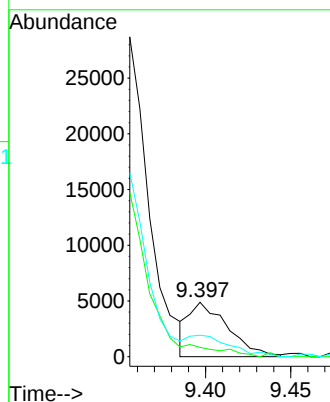
Tgt Ion: 41 Resp: 7766

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 53.618 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073518.D

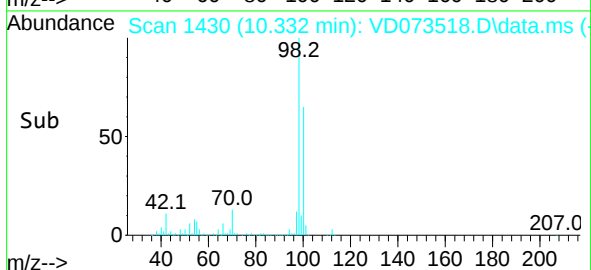
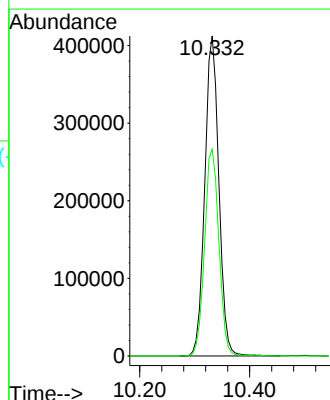
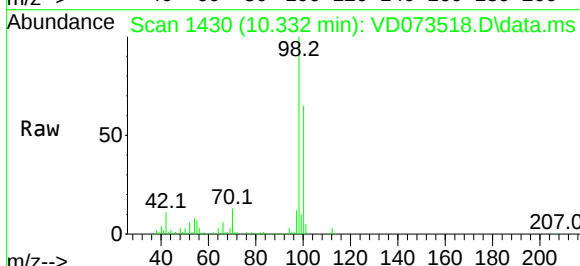
Acq: 09 Jun 2022 20:15

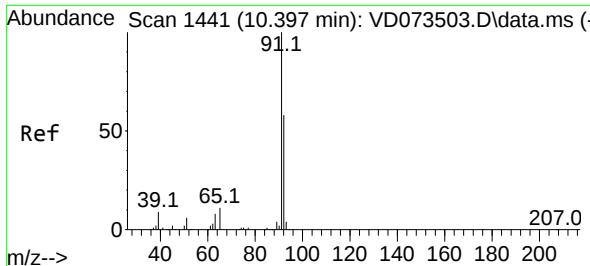
Tgt Ion: 98 Resp: 732562

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

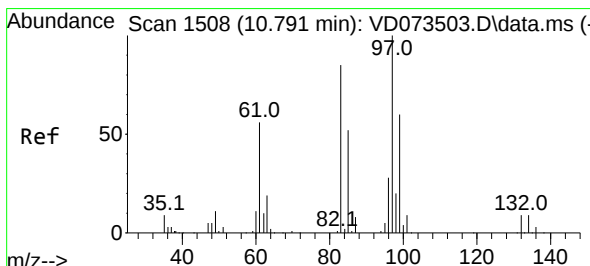
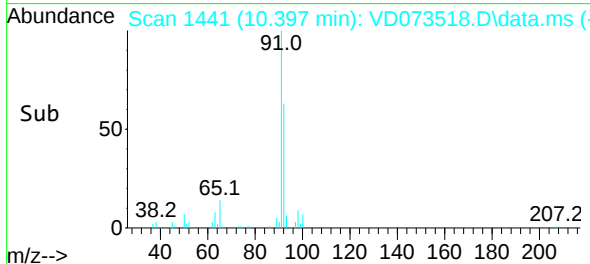
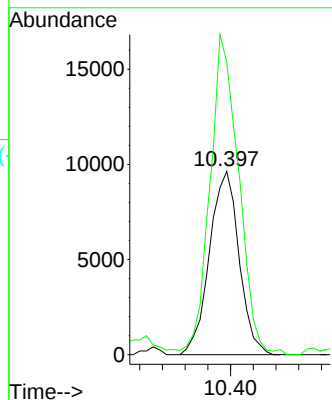
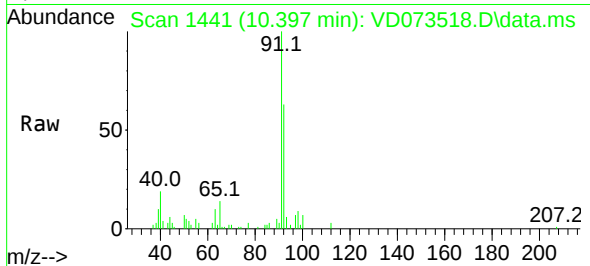




#52
Toluene
Concen: 1.724 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

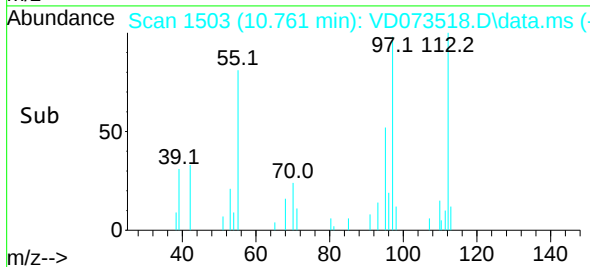
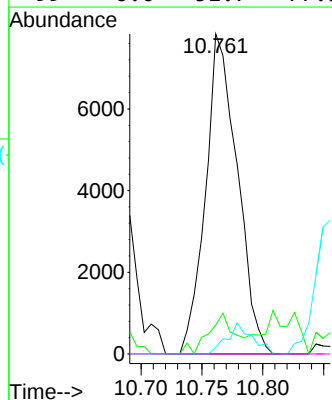
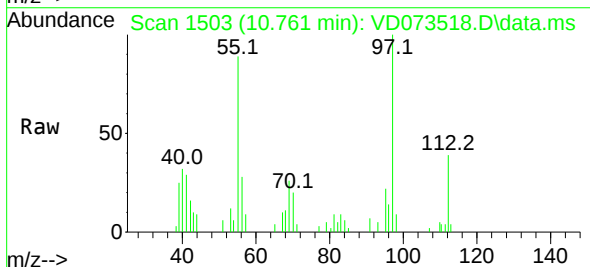
Instrument :
MSVOA_D
ClientSampleId :

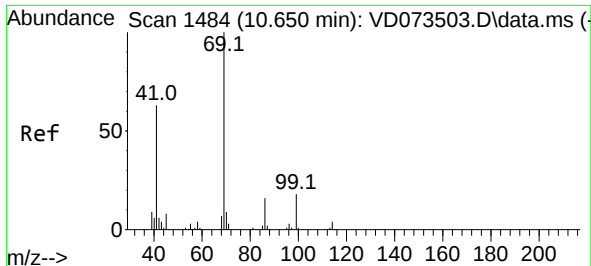
Tgt Ion: 92 Resp: 17452
Ion Ratio Lower Upper
92 100
91 168.8 139.6 209.4



#55
1,1,2-Trichloroethane
Concen: 4.534 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 97 Resp: 14245
Ion Ratio Lower Upper
97 100
83 9.0 69.0 103.4#
85 2.0 42.6 63.8#
99 0.0 51.7 77.5#

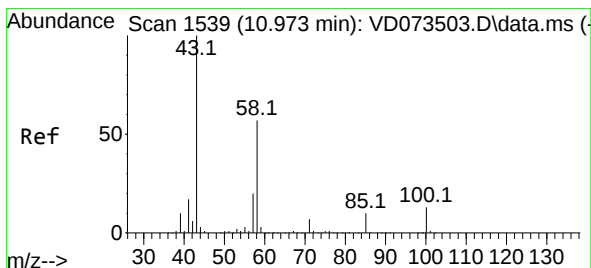
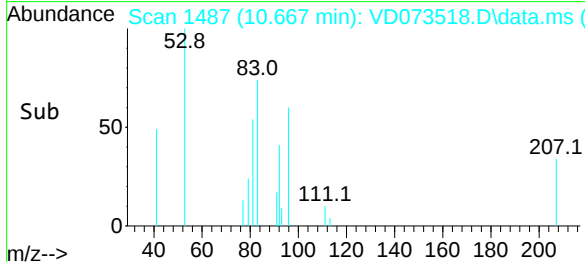
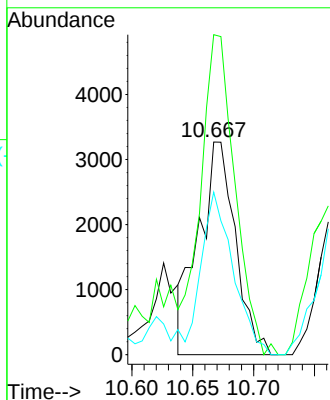
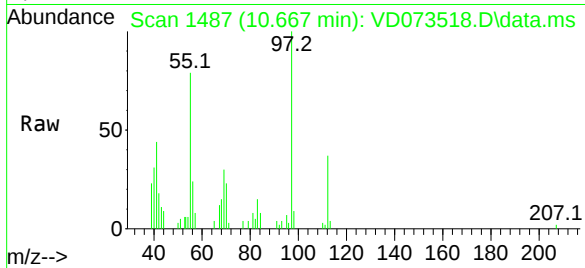




#56
Ethyl methacrylate
Concen: 1.910 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.017 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

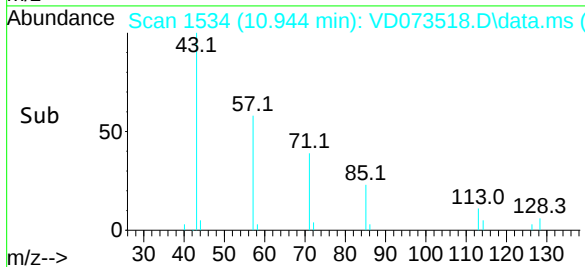
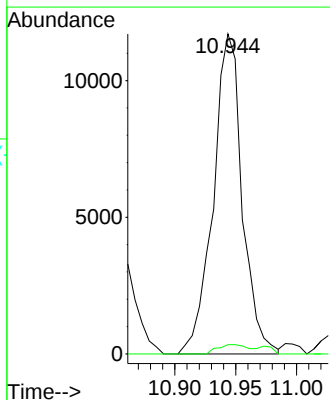
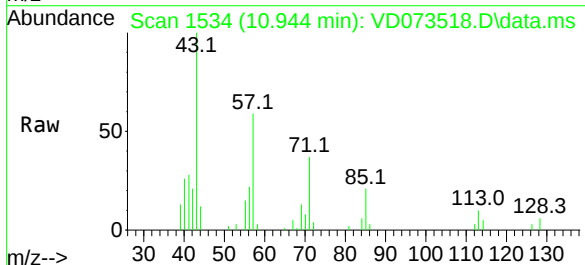
Instrument :
MSVOA_D
ClientSampleId :

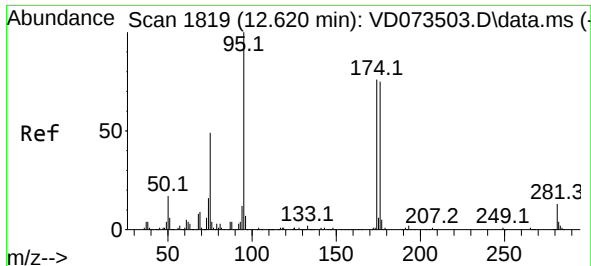
Tgt Ion: 69 Resp: 6877
Ion Ratio Lower Upper
69 100
41 140.8 63.0 94.6#
39 65.7 33.8 50.8#



#59
2-Hexanone
Concen: 13.251 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 43 Resp: 19368
Ion Ratio Lower Upper
43 100
58 2.9 25.3 75.9#

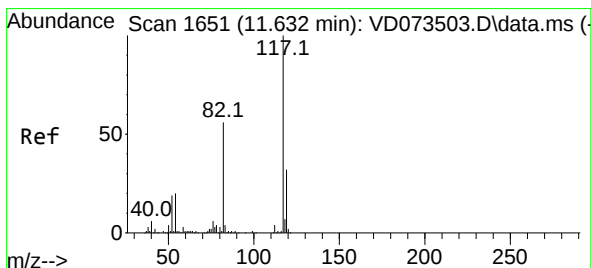
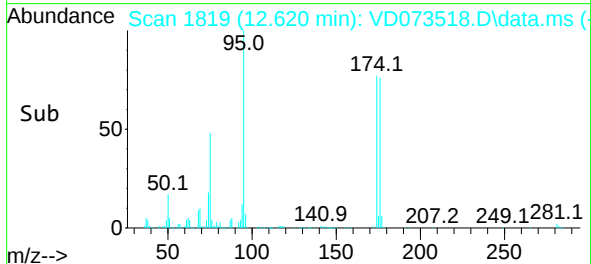
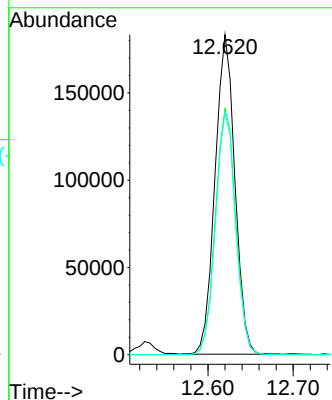
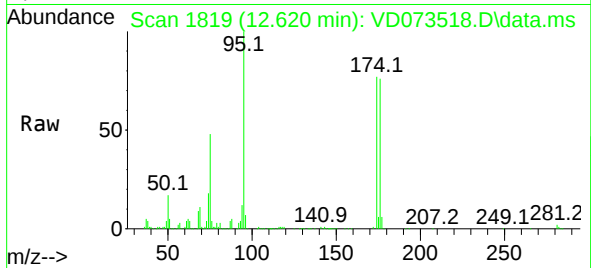




#62
4-Bromofluorobenzene
Concen: 59.793 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

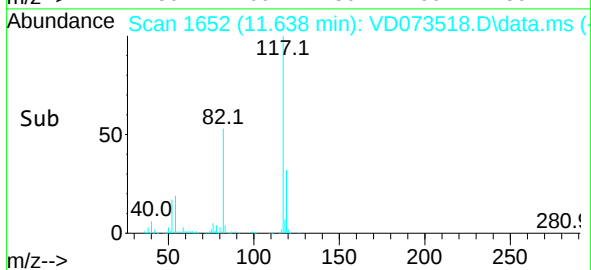
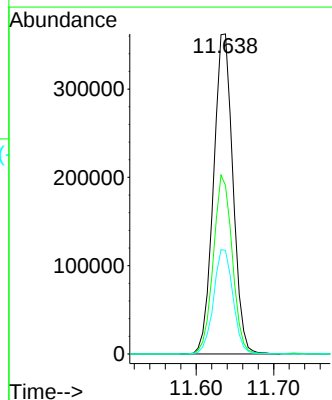
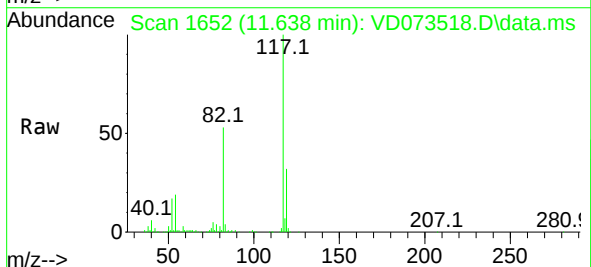
Instrument :
MSVOA_D
ClientSampleId :

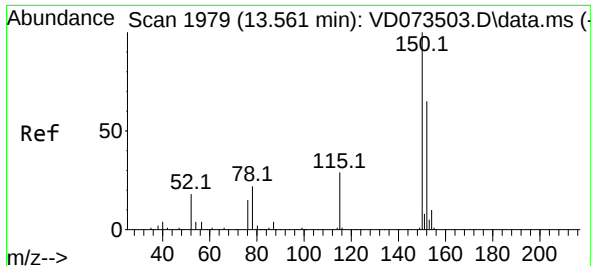
Tgt Ion: 95 Resp: 296566
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 76.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 117 Resp: 630652
Ion Ratio Lower Upper
117 100
82 52.7 45.3 67.9
119 32.3 26.6 40.0

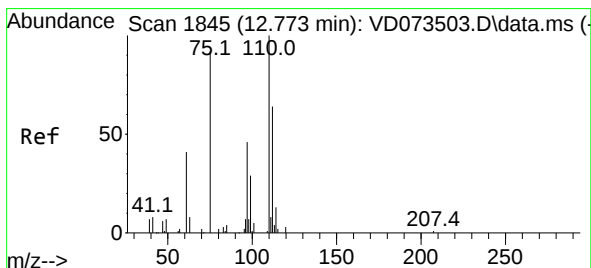
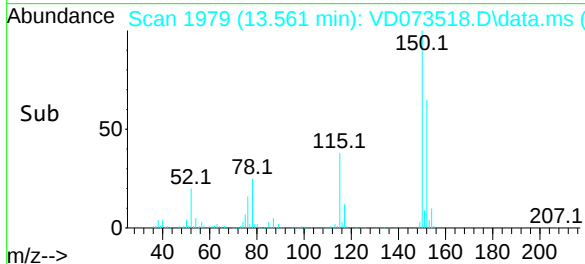
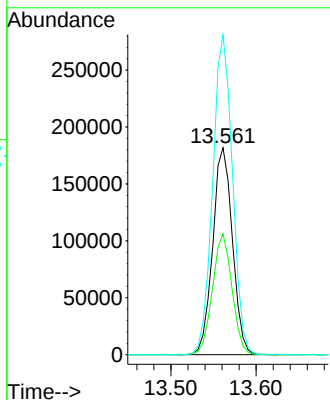
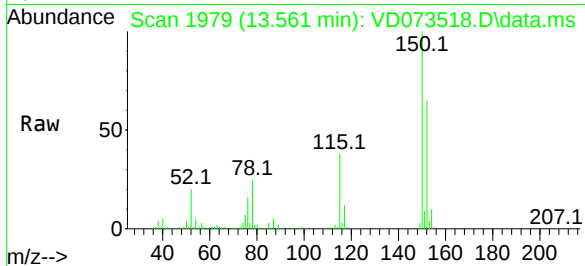




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

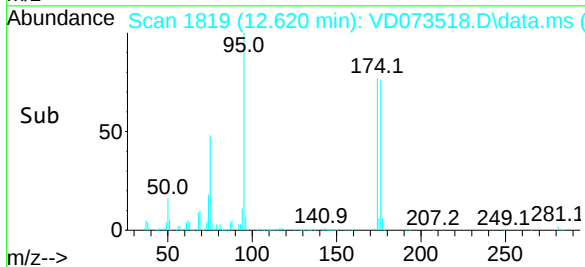
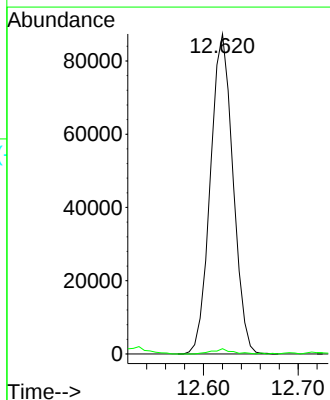
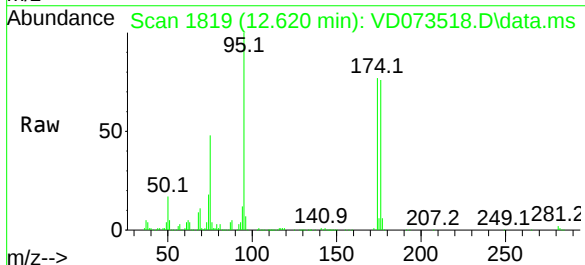
Instrument :
MSVOA_D
ClientSampleId :

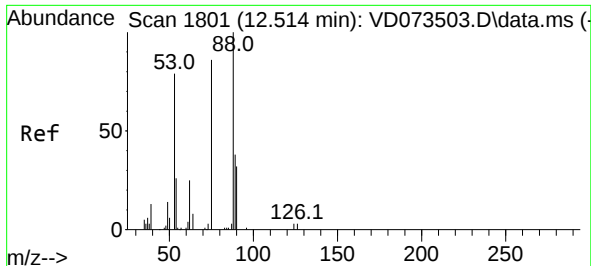
Tgt Ion:152 Resp: 291994
Ion Ratio Lower Upper
152 100
115 57.8 31.3 93.8
150 155.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 51.056 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion: 75 Resp: 144825
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

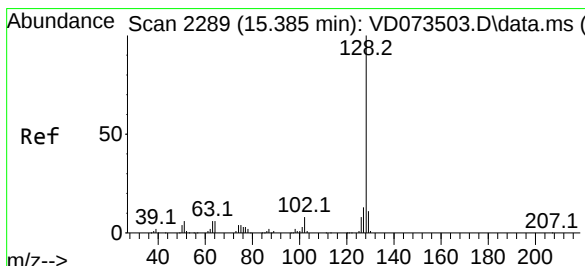
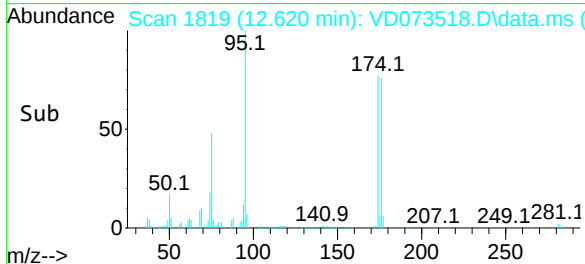
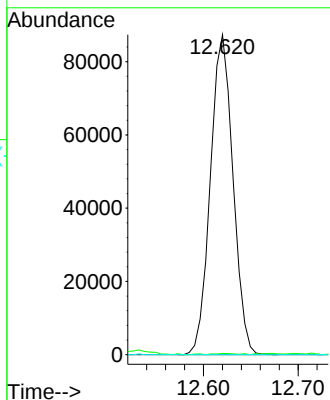
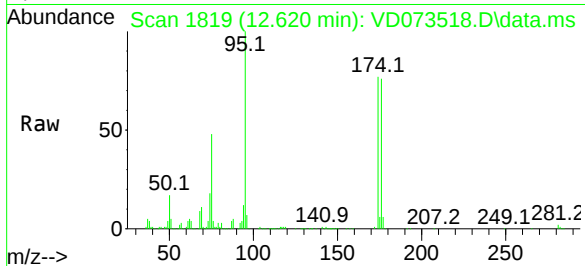




#81
trans-1,4-Dichloro-2-butene
Concen: 119.836 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 144825
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.276 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073518.D
Acq: 09 Jun 2022 20:15

Tgt Ion:128 Resp: 830
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

