

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072786.D
 Acq On : 04 May 2022 14:01
 Operator : VA/SY
 Sample : N2659-02
 Misc : 5.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-B

Quant Time: May 05 01:37:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

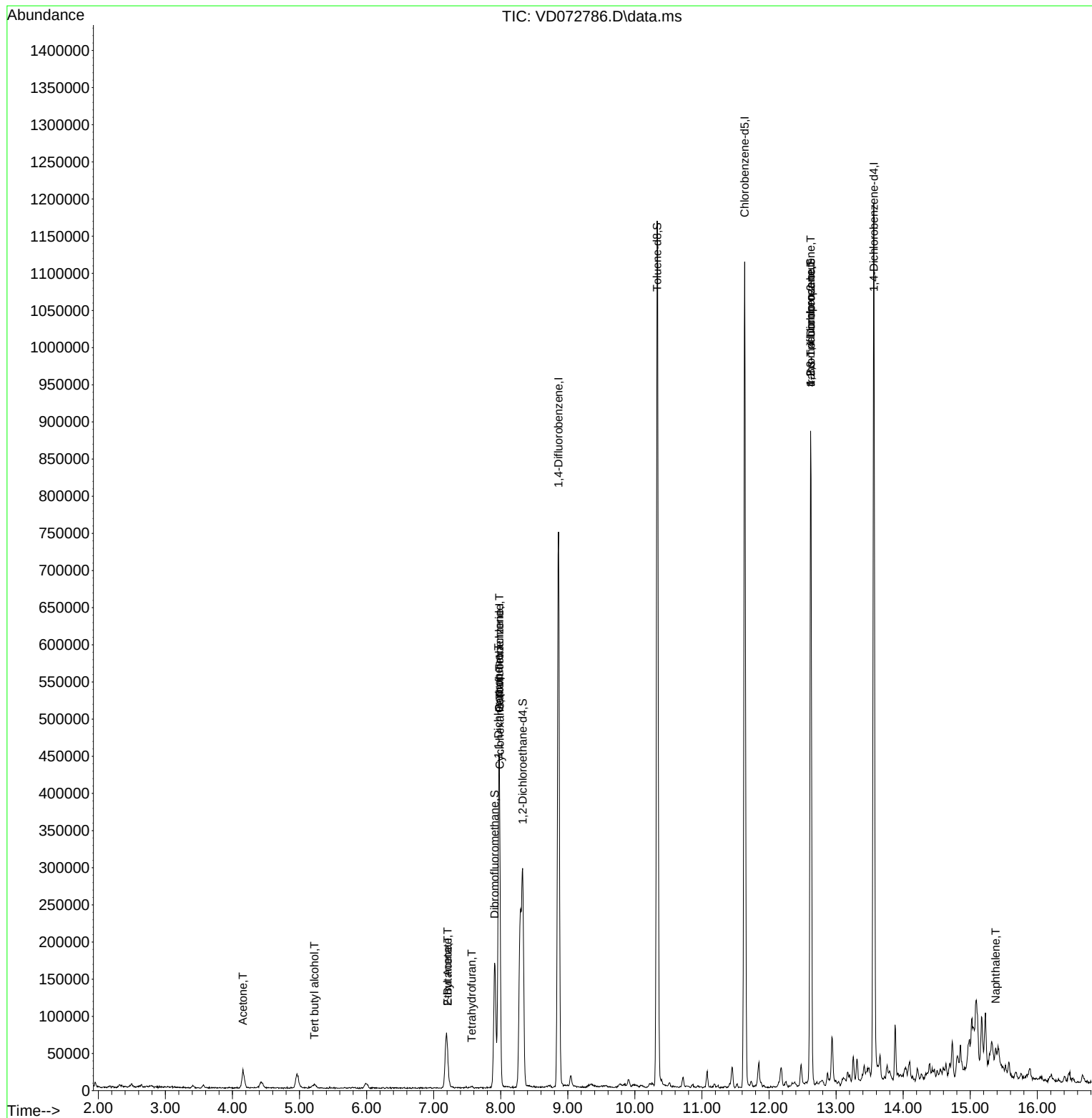
Internal Standards						
1) Pentafluorobenzene	7.979	168	320731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	631211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	625683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	212064	50.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.880%			
35) Dibromofluoromethane	7.908	113	122144	27.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 55.100%			
50) Toluene-d8	10.332	98	776956	48.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.620	95	284590	47.997	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.000%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	937	Below Cal		94
11) Tert butyl alcohol	5.220	59	8544	23.719 ug/l #		83
16) Acetone	4.156	43	40161	39.816 ug/l		96
18) Methyl Acetate	4.815	43	70	Below Cal #		55
20) Methylene Chloride	4.962	84	14238	Below Cal		86
25) 2-Butanone	7.209	43	15128	12.471 ug/l #		85
29) Tetrahydrofuran	7.567	42	787	1.018 ug/l #		70
31) Cyclohexane	7.985	56	8245	1.133 ug/l #		10
36) 1,1-Dichloropropene	7.967	75	29368	4.074 ug/l #		43
37) Ethyl Acetate	7.209	43	15128	4.565 ug/l #		67
38) Carbon Tetrachloride	7.979	117	35409	4.732 ug/l #		15
76) 1,2,3-Trichloropropane	12.620	75	145411	44.507 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	145411	102.348 ug/l #		7
95) Naphthalene	15.379	128	23293	2.251 ug/l #		95

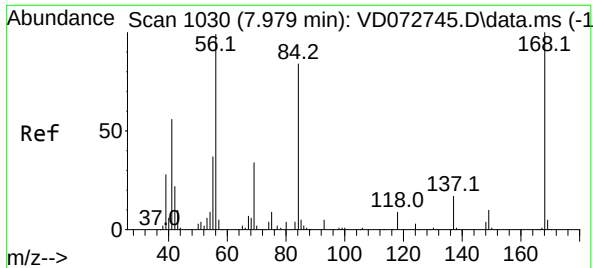
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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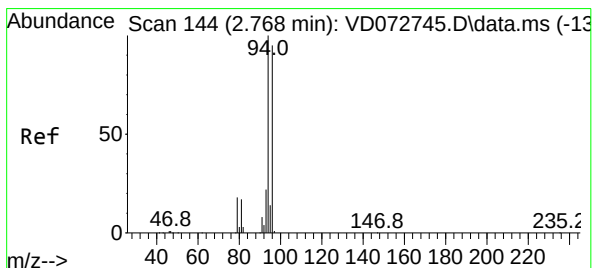
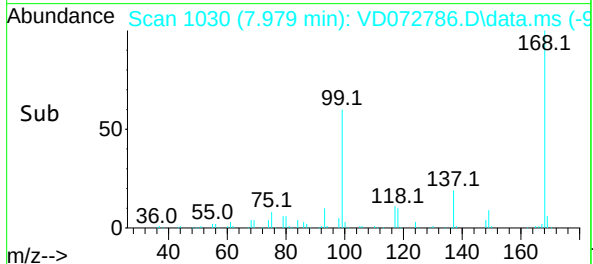
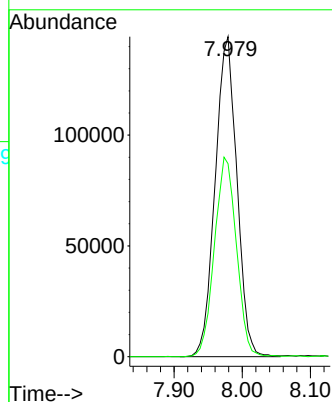
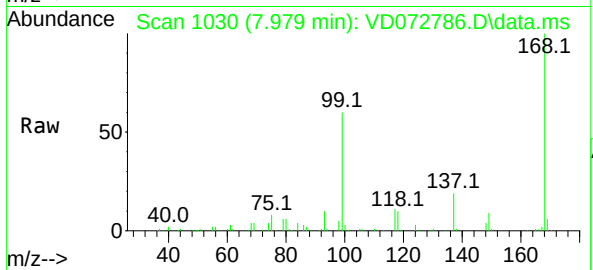




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

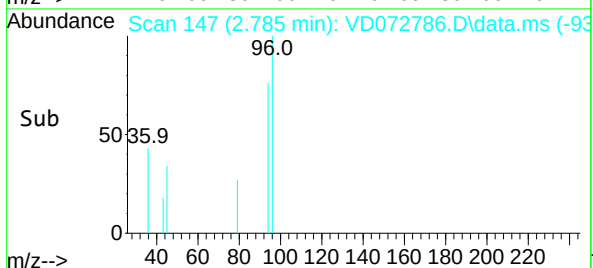
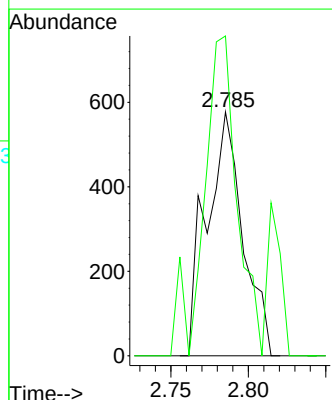
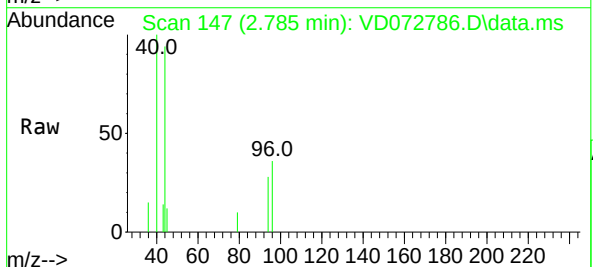
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

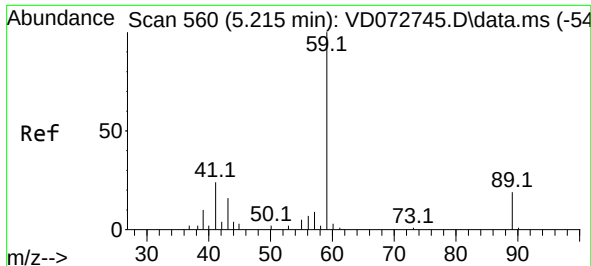
Tgt Ion:168 Resp: 320731
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 90.6 77.6 116.4

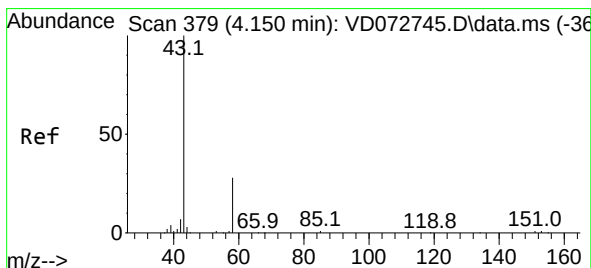
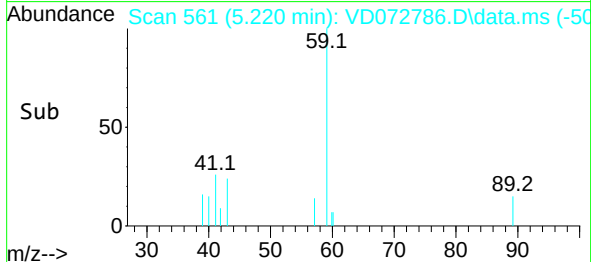
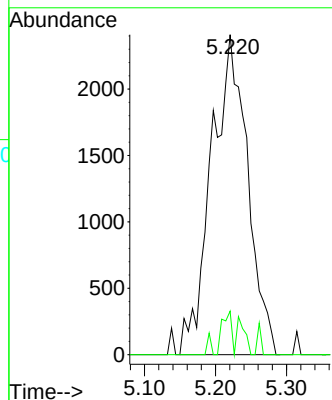
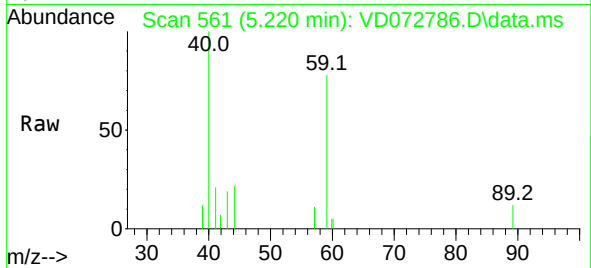




#11
Tert butyl alcohol
Concen: 23.719 ug/l
RT: 5.220 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

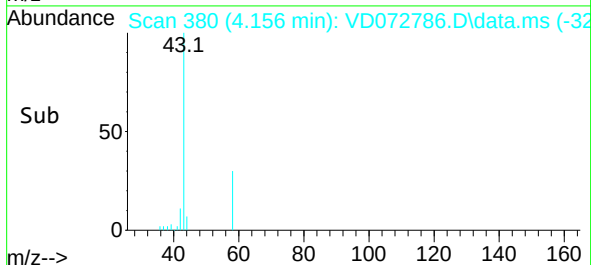
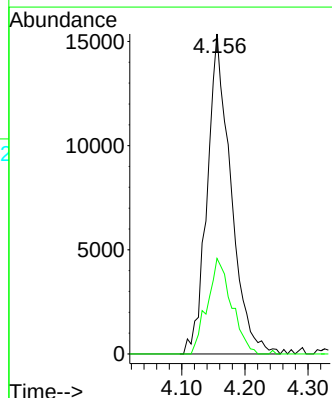
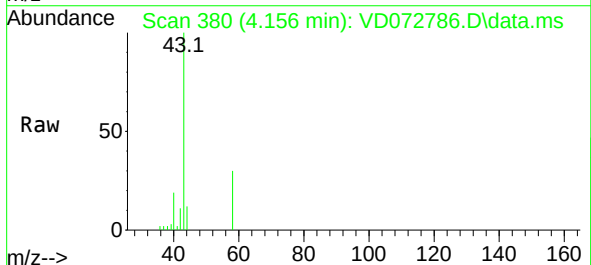
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

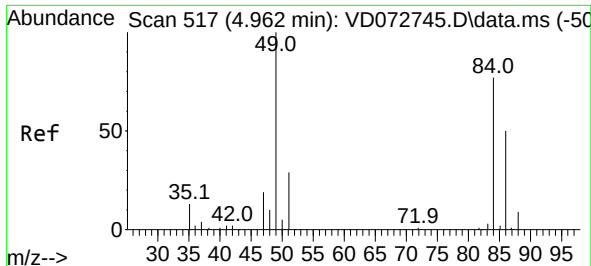
Tgt Ion: 59 Resp: 8544
Ion Ratio Lower Upper
59 100
57 3.5 7.8 11.6#



#16
Acetone
Concen: 39.816 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion: 43 Resp: 40161
Ion Ratio Lower Upper
43 100
58 29.9 22.1 33.1

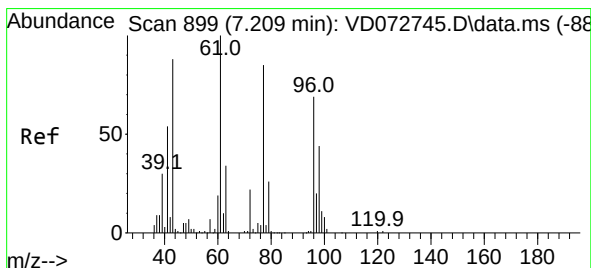
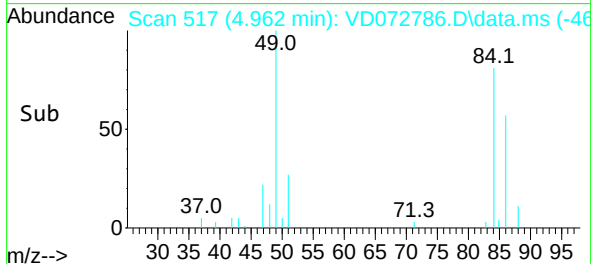
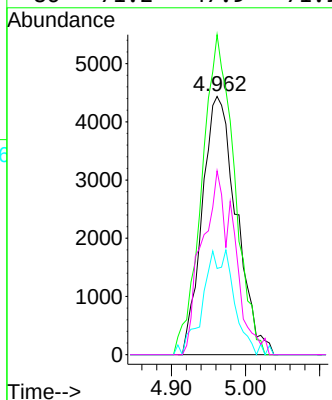
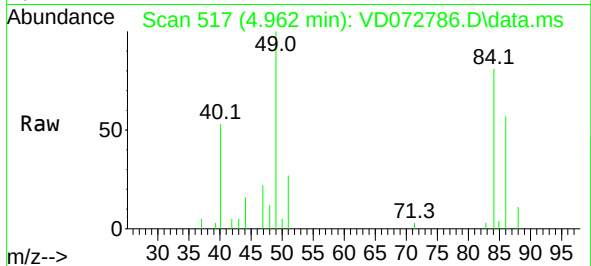




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

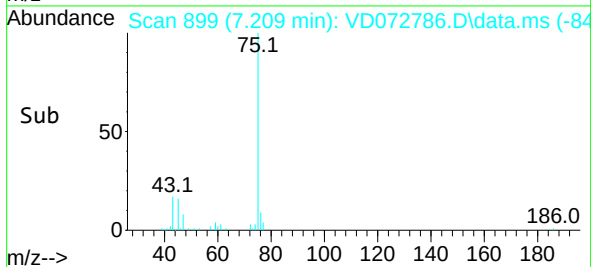
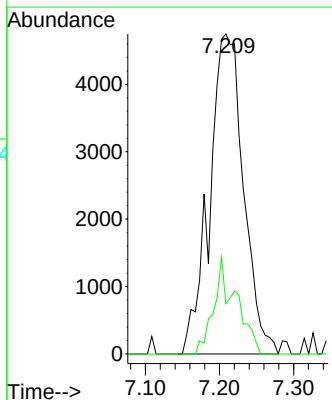
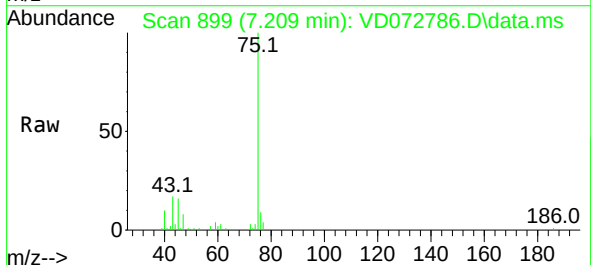
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

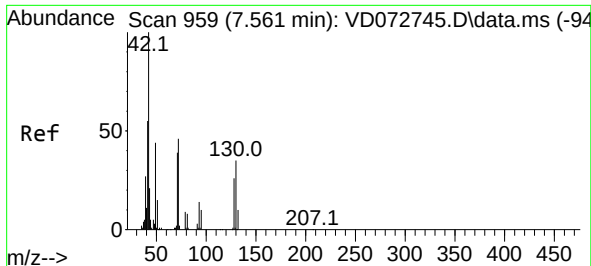
Tgt Ion:	84	Resp:	14238
Ion	Ratio	Lower	Upper
84	100		
49	123.9	112.8	169.2
51	33.4	32.6	48.8
86	71.2	47.9	71.9



#25
2-Butanone
Concen: 12.471 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion:	43	Resp:	15128
Ion	Ratio	Lower	Upper
43	100		
72	15.7	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

22L097-B

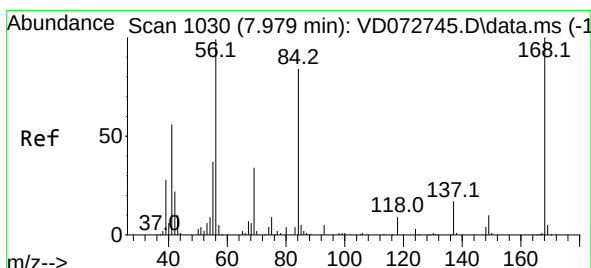
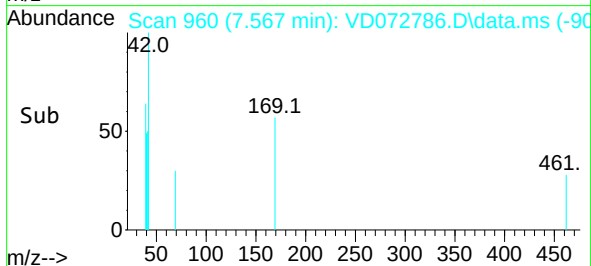
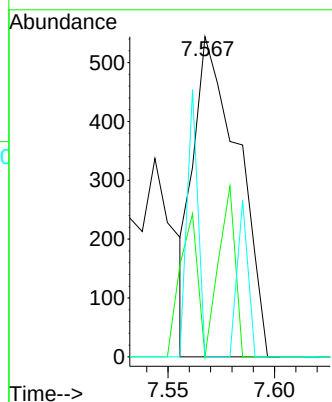
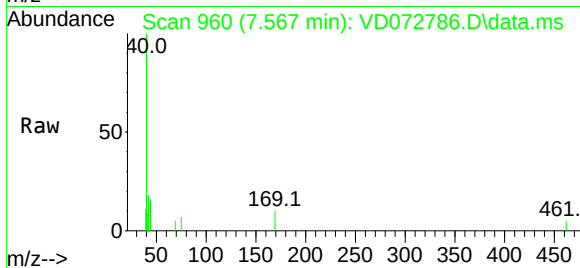
Tgt Ion: 42 Resp: 787

Ion Ratio Lower Upper

42 100

72 17.9 30.7 46.1#

71 20.3 28.6 43.0#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

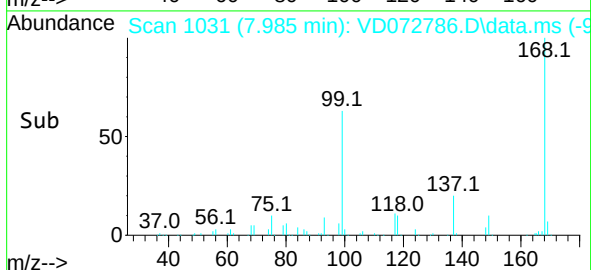
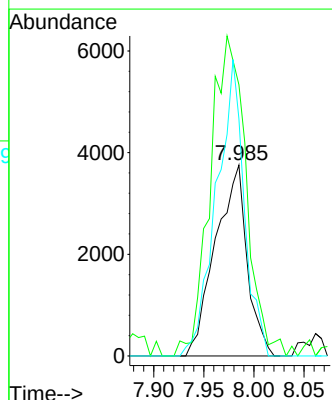
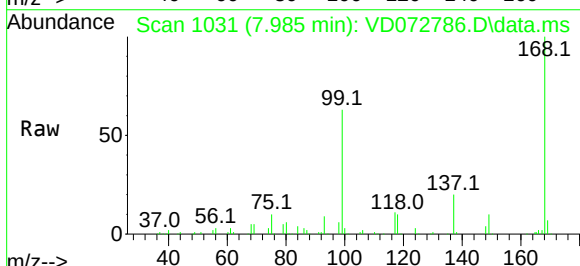
Tgt Ion: 56 Resp: 8245

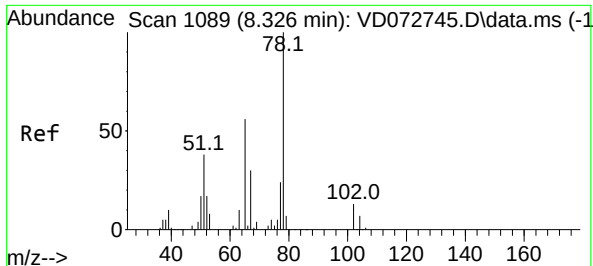
Ion Ratio Lower Upper

56 100

69 134.2 25.4 38.2#

84 124.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.936 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

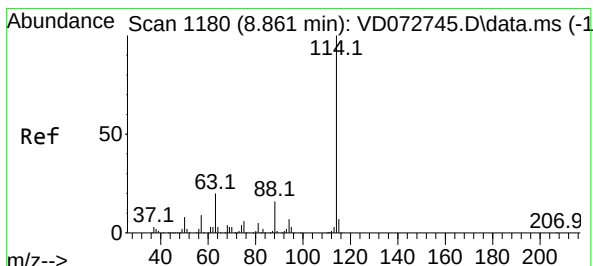
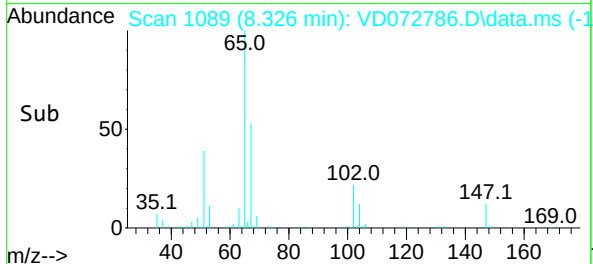
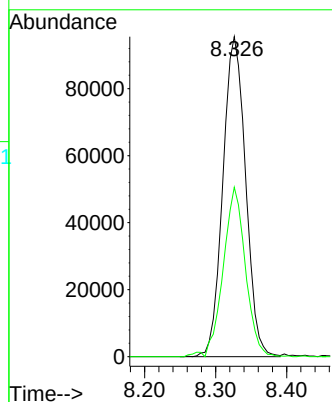
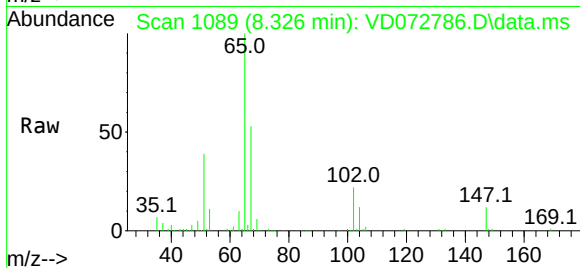
22L097-B

Tgt Ion: 65 Resp: 212064

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

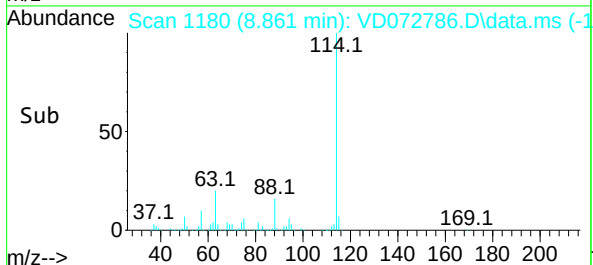
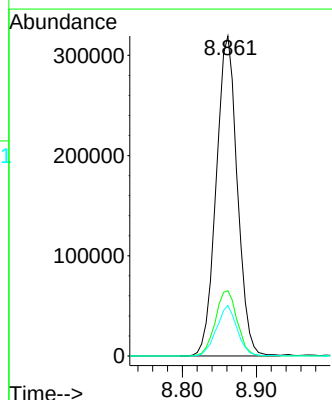
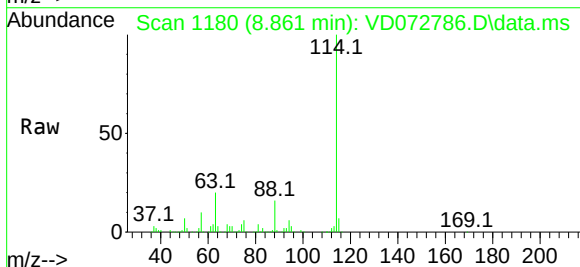
Tgt Ion: 114 Resp: 631211

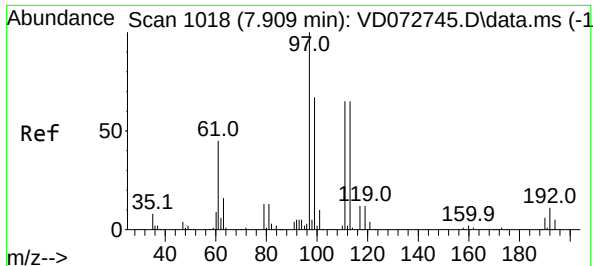
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 27.553 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

22L097-B

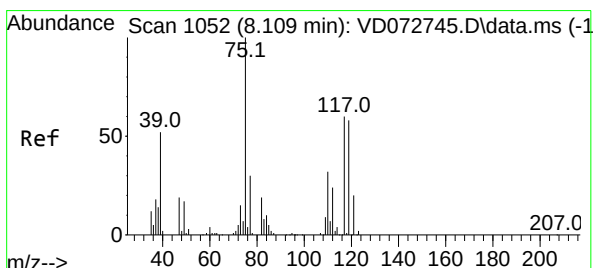
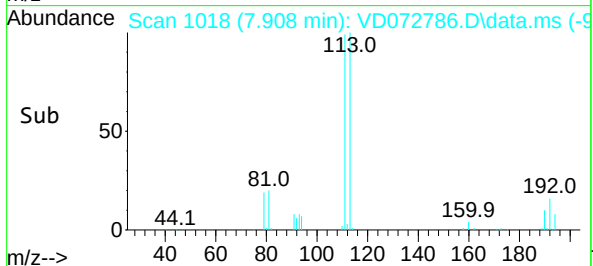
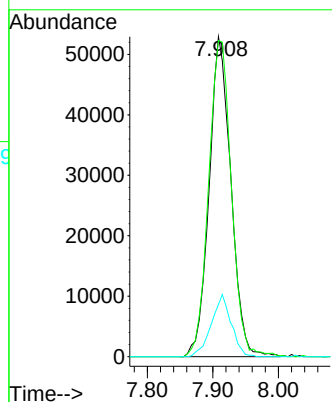
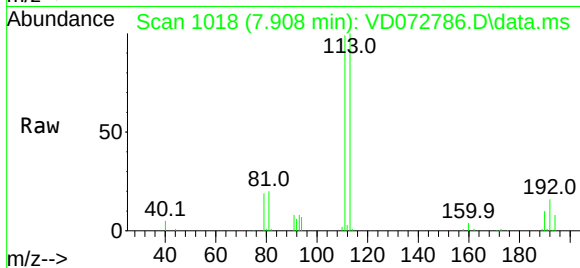
Tgt Ion:113 Resp: 122144

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.074 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD072786.D

Acq: 04 May 2022 14:01

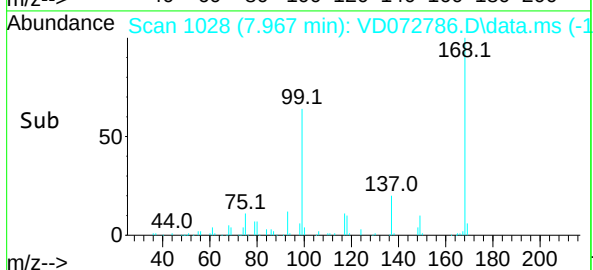
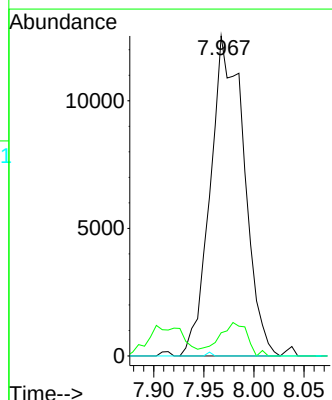
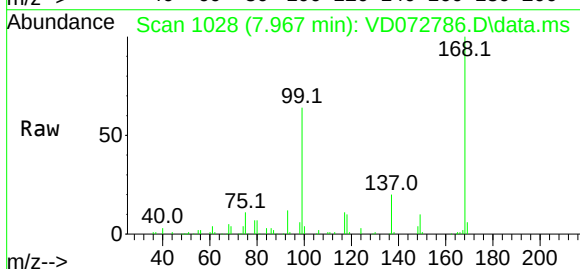
Tgt Ion: 75 Resp: 29368

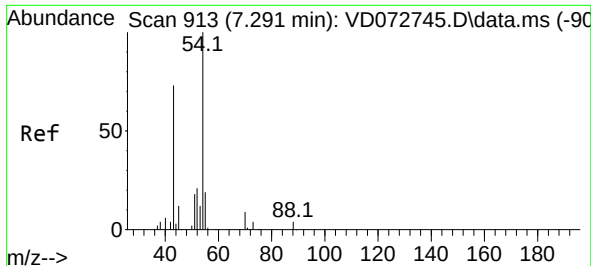
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.2 24.2 36.2#

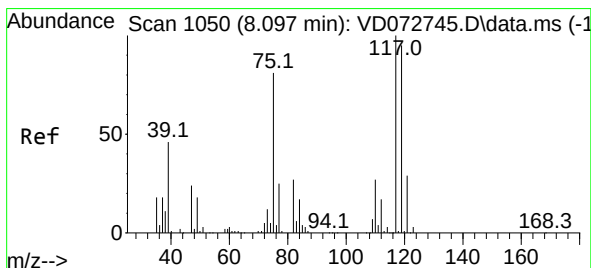
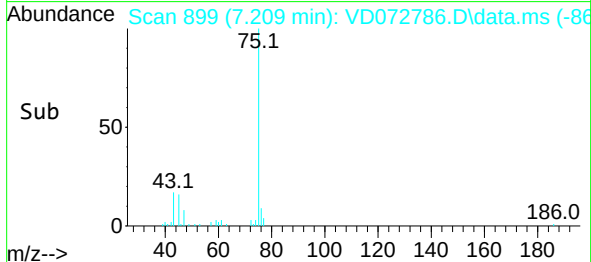
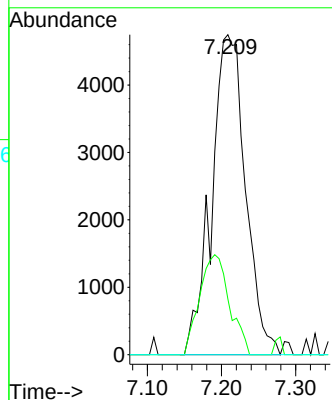
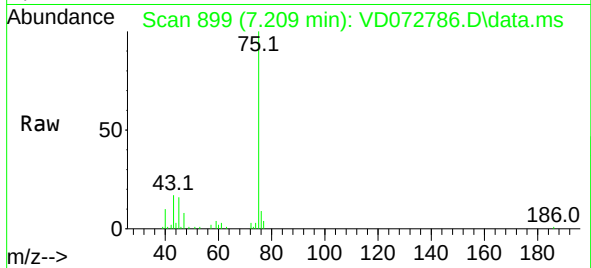




#37
Ethyl Acetate
Concen: 4.565 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

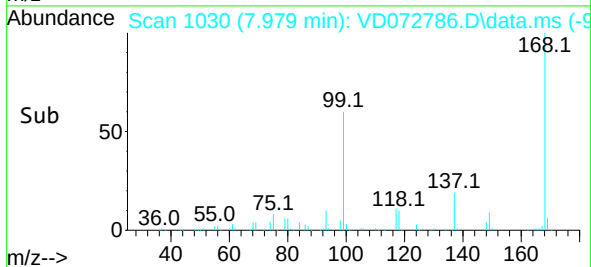
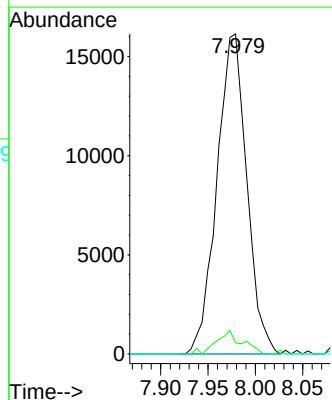
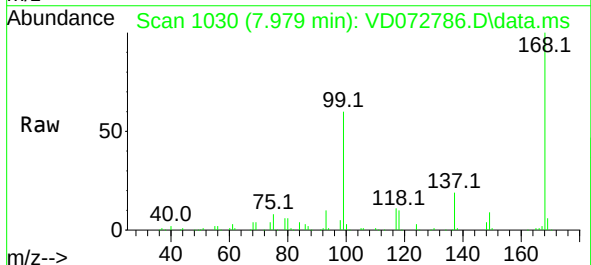
Instrument :
MSVOA_D
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22L097-B

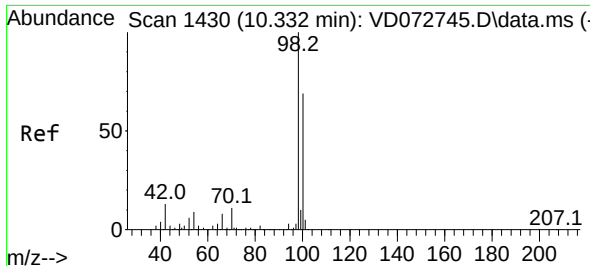
Tgt Ion: 43 Resp: 15128
Ion Ratio Lower Upper
43 100
61 27.5 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.732 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion: 117 Resp: 35409
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.6#
121 0.0 24.5 36.7#

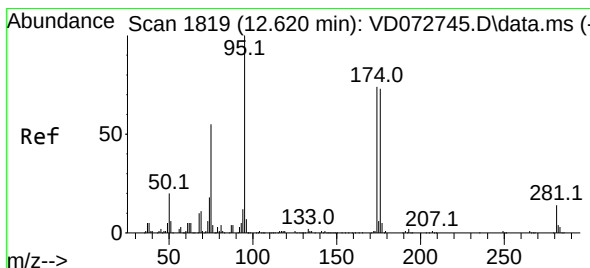
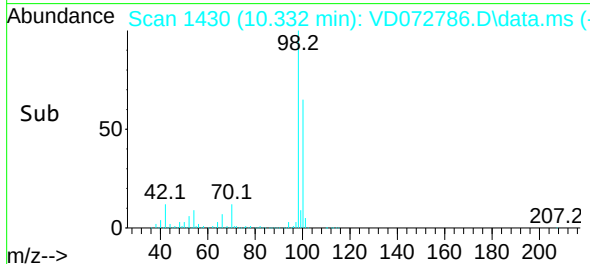
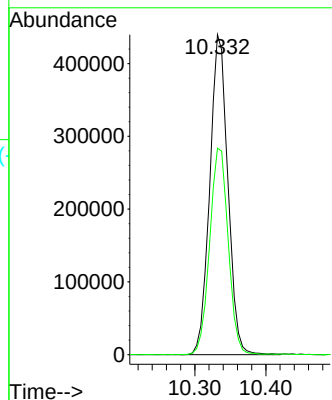
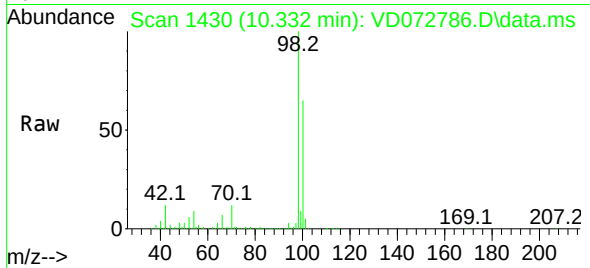




#50
Toluene-d8
Concen: 48.859 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

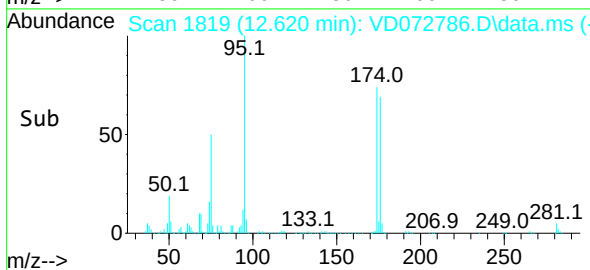
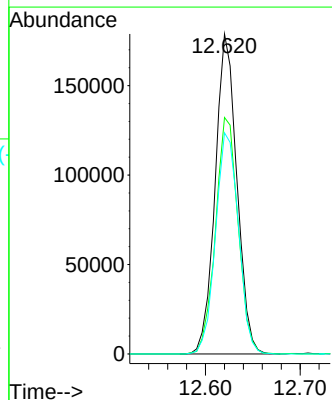
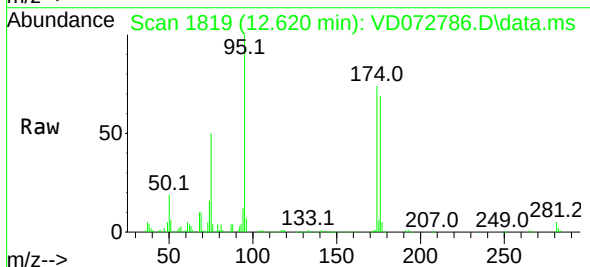
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

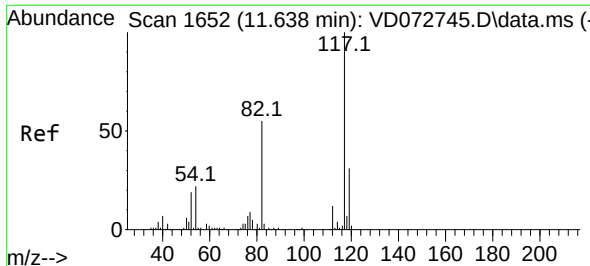
Tgt Ion: 98 Resp: 776956
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 47.997 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion: 95 Resp: 284590
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 72.8 0.0 145.4

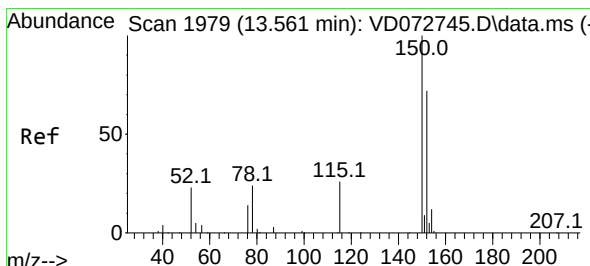
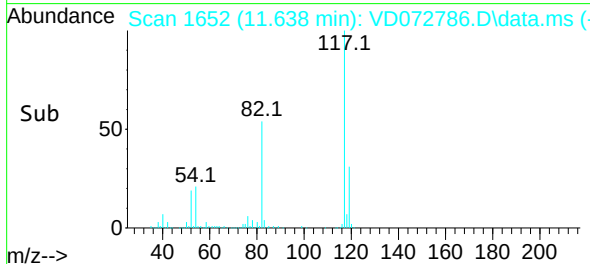
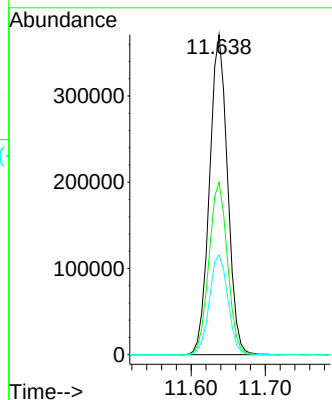
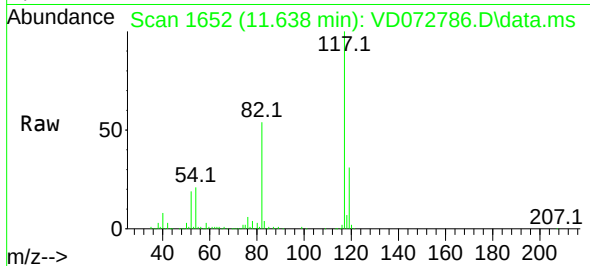




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

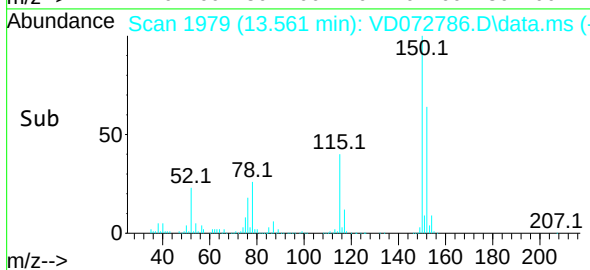
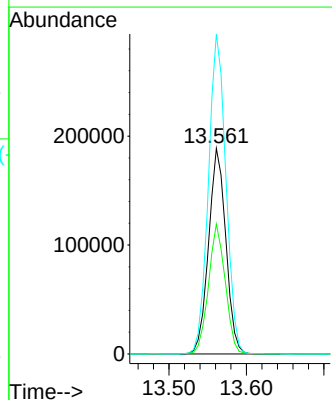
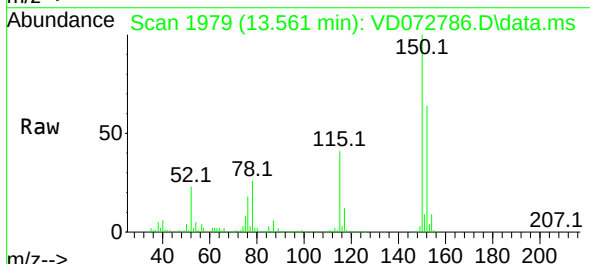
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

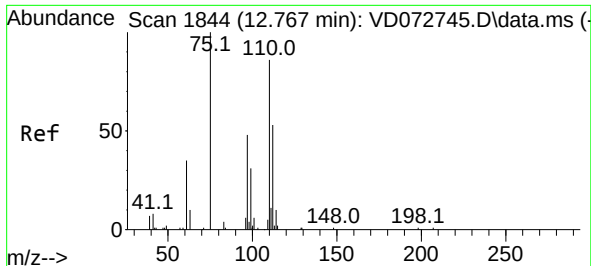
Tgt Ion:117 Resp: 625683
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion:152 Resp: 293002
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 157.3 0.0 348.6

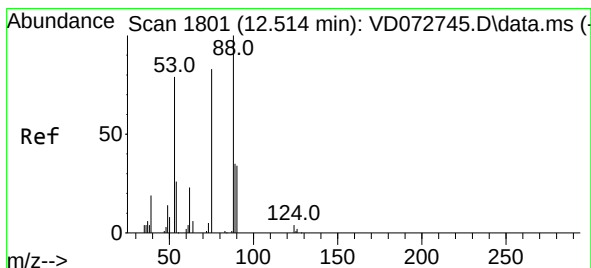
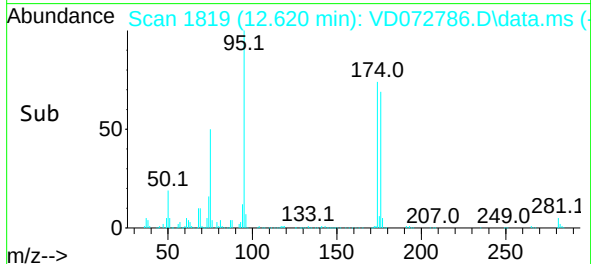
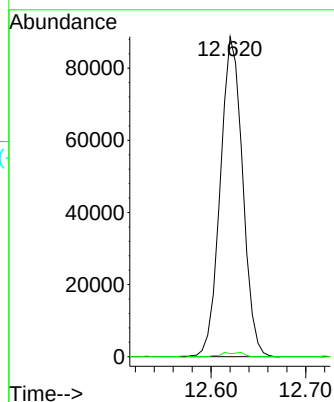
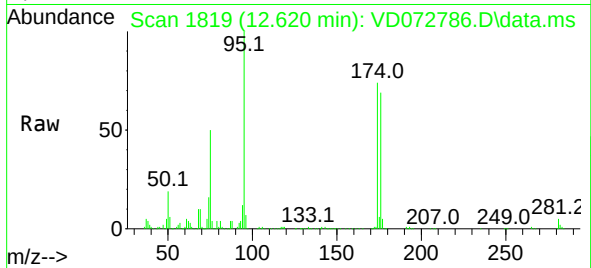




#76
1,2,3-Trichloropropane
Concen: 44.507 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

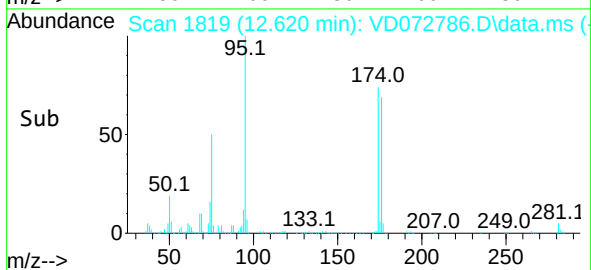
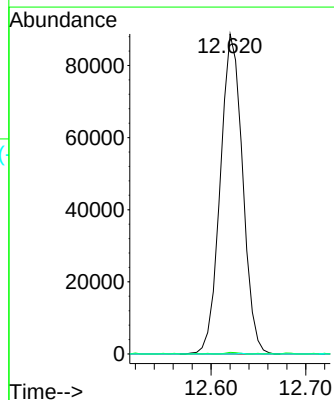
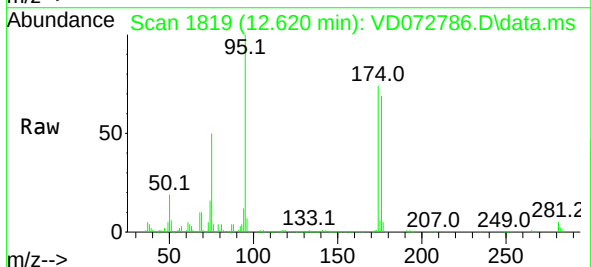
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

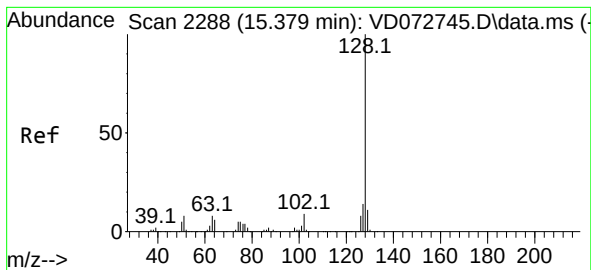
Tgt Ion: 75 Resp: 145411
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.348 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072786.D
Acq: 04 May 2022 14:01

Tgt Ion: 75 Resp: 145411
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 2.251 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD072786.D

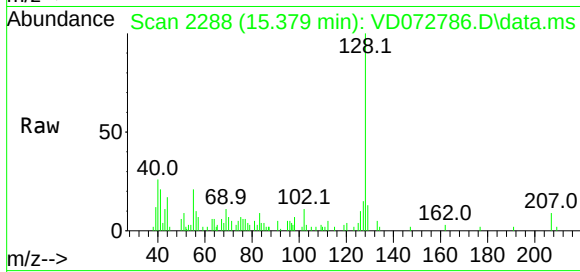
Acq: 04 May 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

22L097-B



Tgt Ion:128 Resp: 23293

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 13.7 8.4 12.6#

