

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072624\
 Data File : VD079414.D
 Acq On : 26 Jul 2024 18:10
 Operator : RP/MD
 Sample : P3362-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 03:36:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 12:23:49 2024
 Response via : Initial Calibration

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

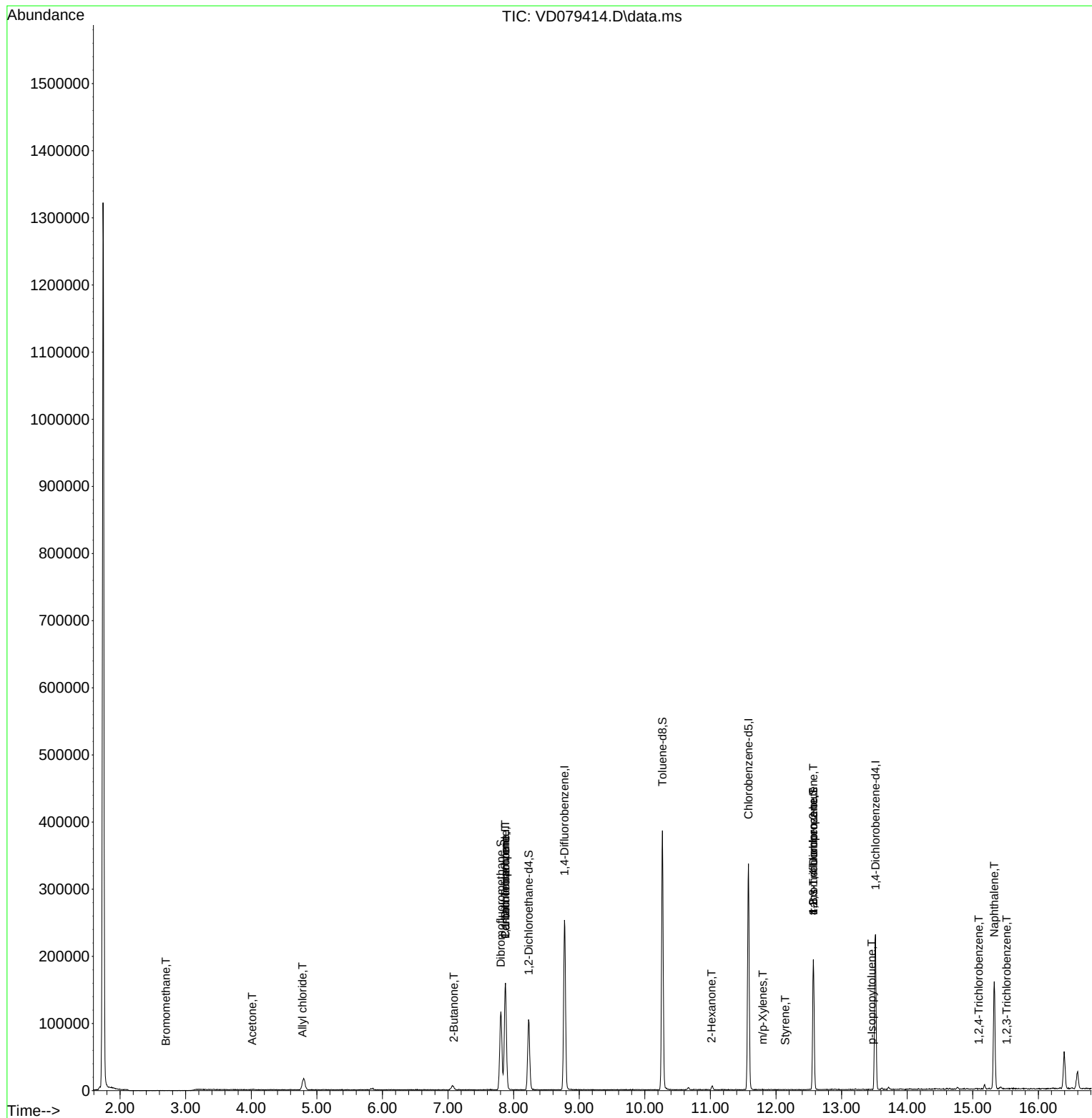
Internal Standards						
1) Pentafluorobenzene	7.875	168	114059	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	232028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	201564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80851	74.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.700%	
35) Dibromofluoromethane	7.805	113	87575	62.091	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.180%	
50) Toluene-d8	10.269	98	271165	49.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.080%	
62) 4-Bromofluorobenzene	12.569	95	65580	38.049	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.100%	
Target Compounds						
						Qvalue
5) Bromomethane	2.699	94	120	3.474	ug/l	# 2
14) Allyl chloride	4.781	41	178	2.660	ug/l	# 17
16) Acetone	4.016	43	876	15.003	ug/l	# 37
20) Methylene Chloride	4.799	84	14026	Below Cal		95
25) 2-Butanone	7.087	43	121	4.876	ug/l	# 42
26) 2,2-Dichloropropane	7.063	77	200	Below Cal		# 50
30) Chloroform	7.599	83	55	Below Cal		# 18
31) Cyclohexane	7.875	56	2679	Below Cal		# 40
36) 1,1-Dichloropropene	7.875	75	9881	3.850	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	12483	3.417	ug/l	# 16
40) Benzene	8.222	78	54	Below Cal		# 53
42) 1,2-Dichloroethane	8.340	62	68	Below Cal		# 67
51) 4-Methyl-2-Pentanone	10.169	43	57	Below Cal		# 31
59) 2-Hexanone	11.016	43	137	1.932	ug/l	# 19
65) Chlorobenzene	11.598	112	154	Below Cal		# 42
68) m/p-Xylenes	11.798	106	55	1.444	ug/l	# 1
70) Styrene	12.140	104	70	1.171	ug/l	# 28
76) 1,2,3-Trichloropropane	12.569	75	32041	53.026	ug/l	# 100
78) n-propylbenzene	12.763	91	222	Below Cal		# 51
79) 2-Chlorotoluene	12.840	91	163	Below Cal		# 37
80) 1,3,5-Trimethylbenzene	12.892	105	122	Below Cal		# 26
81) trans-1,4-Dichloro-2-b...	12.569	75	32041	110.991	ug/l	# 19
82) 4-Chlorotoluene	12.957	91	153	Below Cal		# 37
86) p-Isopropyltoluene	13.457	119	208	1.009	ug/l	# 51
87) 1,3-Dichlorobenzene	13.445	146	57	Below Cal		# 41
88) 1,4-Dichlorobenzene	13.540	146	305	Below Cal		# 77
90) Hexachloroethane	14.163	117	517	Below Cal		# 13
93) 1,2,4-Trichlorobenzene	15.092	180	130	1.525	ug/l	# 65
95) Naphthalene	15.328	128	139688	65.068	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	59	1.037	ug/l	# 56

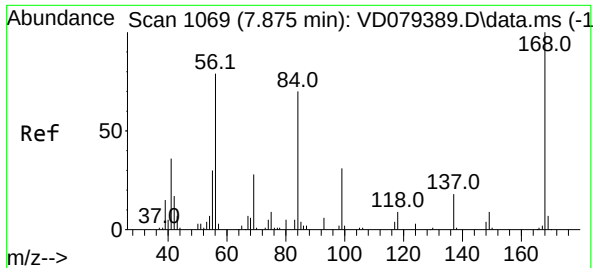
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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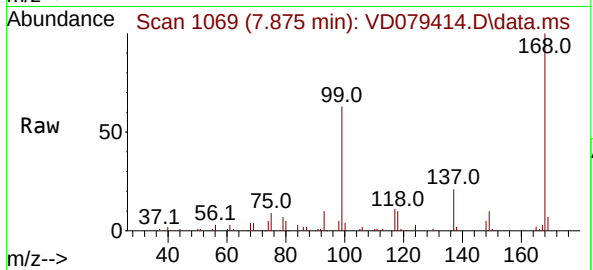
Quant Time: Jul 27 03:36:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 12:23:49 2024
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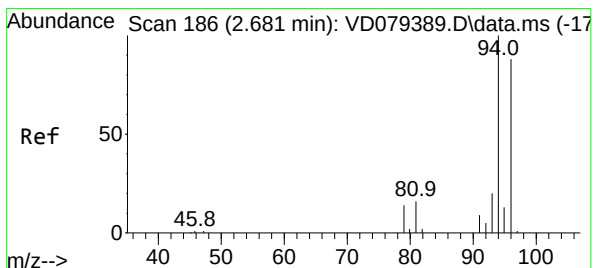
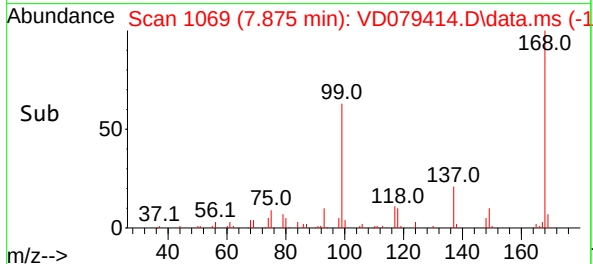
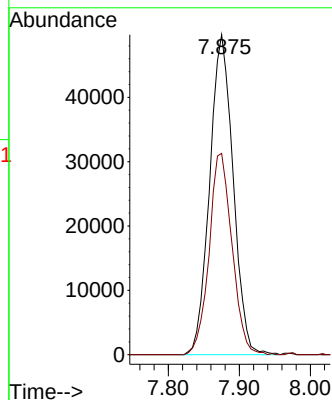


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Instrument :
MSVOA_D
ClientSampleId :

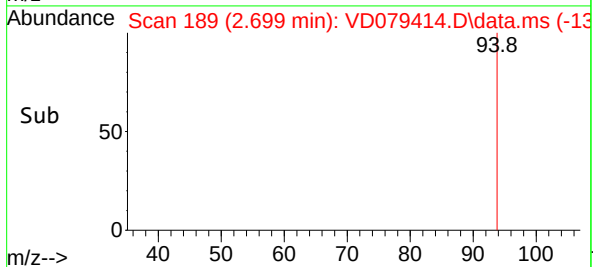
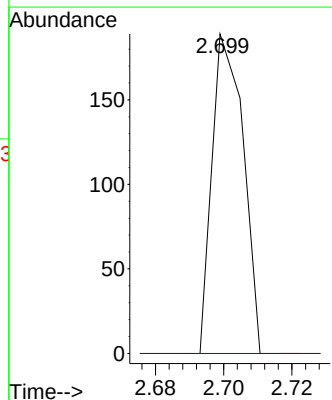
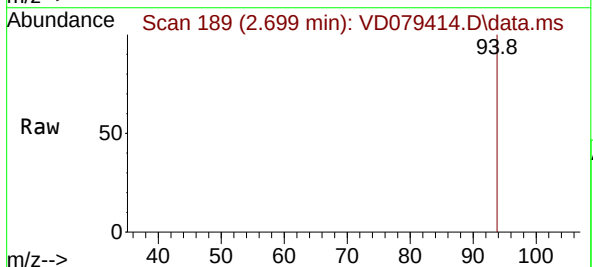


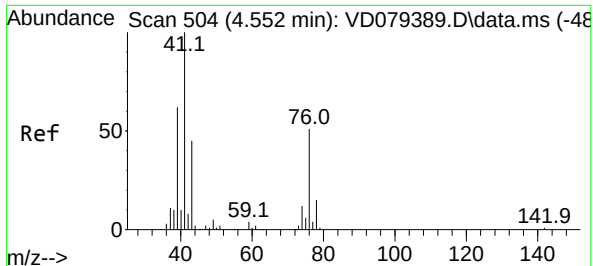
Tgt Ion:168 Resp: 114059
Ion Ratio Lower Upper
168 100
99 62.9 41.1 61.7#



#5
Bromomethane
Concen: 3.474 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

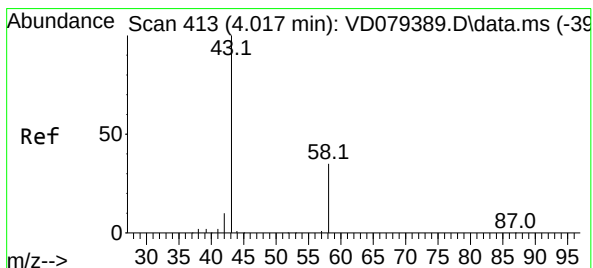
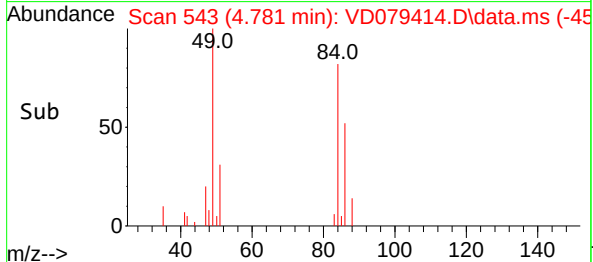
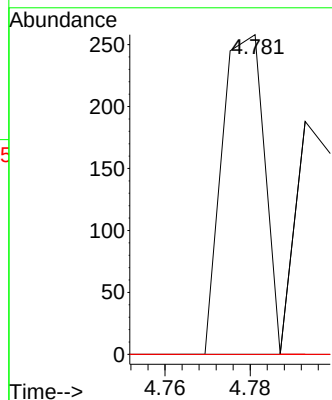
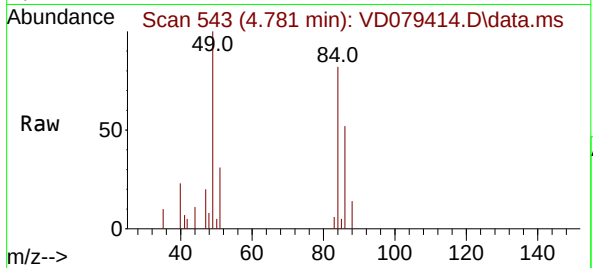




#14
 Allyl chloride
 Concen: 2.660 ug/l
 RT: 4.781 min Scan# 54
 Delta R.T. 0.223 min
 Lab File: VD079414.D
 Acq: 26 Jul 2024 18:10

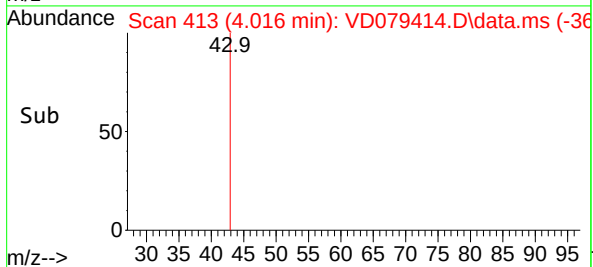
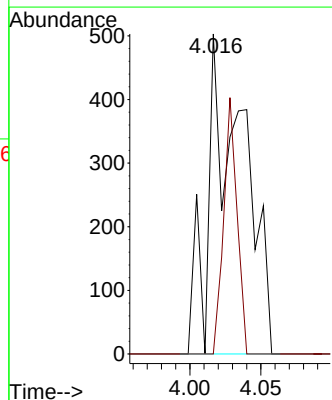
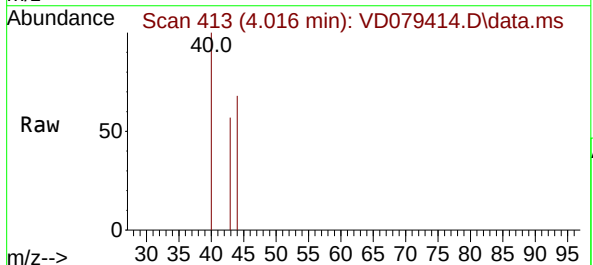
Instrument :
 MSVOA_D
 ClientSampleId :

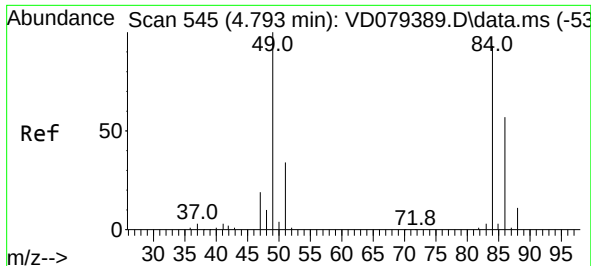
Tgt Ion: 41 Resp: 178
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 45.9 68.9#



#16
 Acetone
 Concen: 15.003 ug/l
 RT: 4.016 min Scan# 413
 Delta R.T. -0.007 min
 Lab File: VD079414.D
 Acq: 26 Jul 2024 18:10

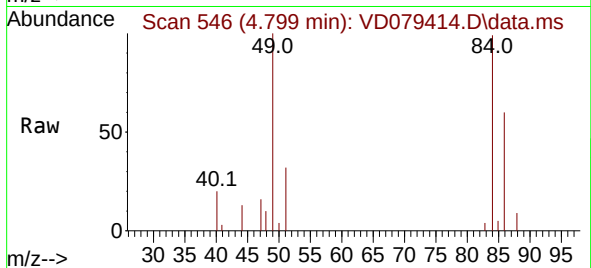
Tgt Ion: 43 Resp: 876
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#



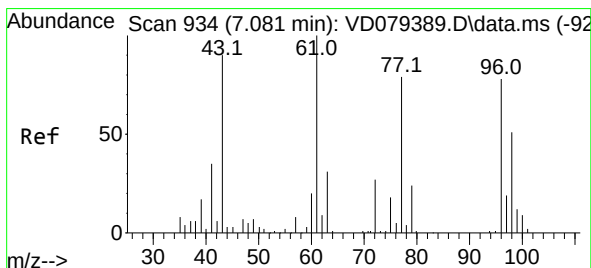
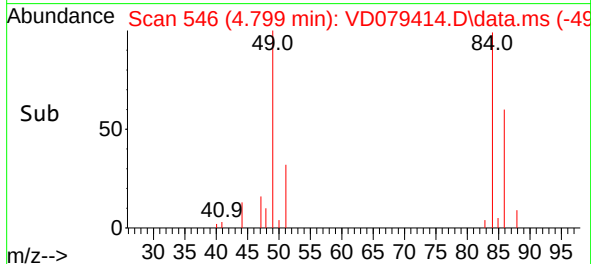
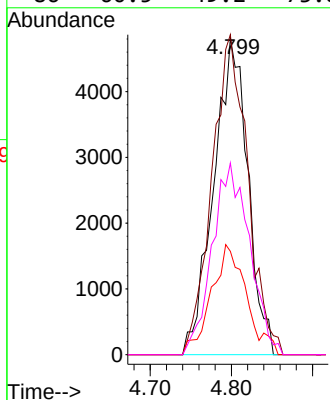


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Instrument :
MSVOA_D
ClientSampleId :

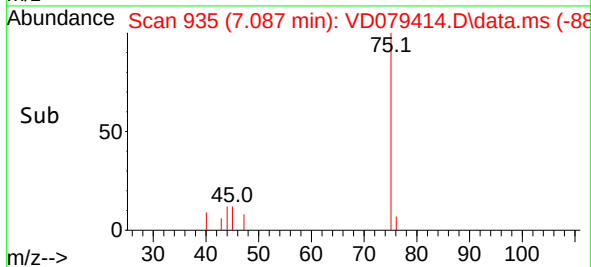
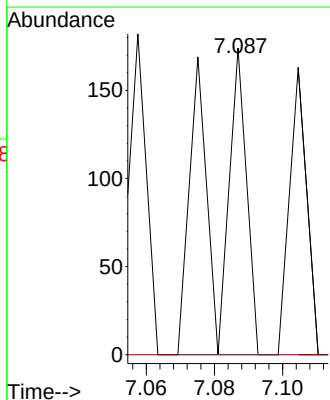
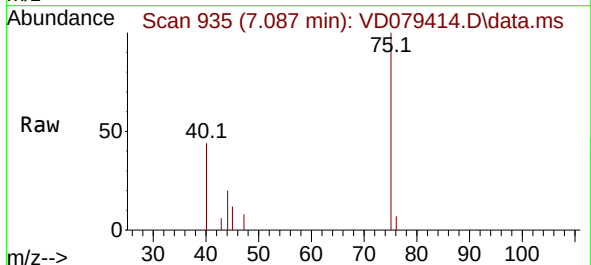


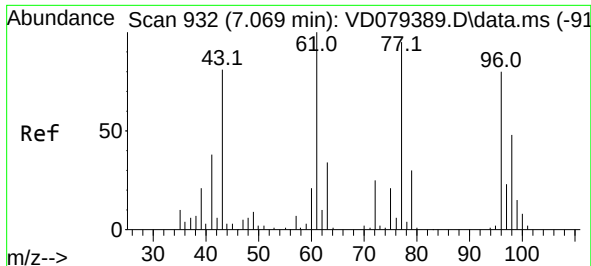
Tgt Ion: 84 Resp: 14026
Ion Ratio Lower Upper
84 100
49 101.0 75.6 113.4
51 32.6 24.2 36.2
86 60.5 49.2 73.8



#25
2-Butanone
Concen: 4.876 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

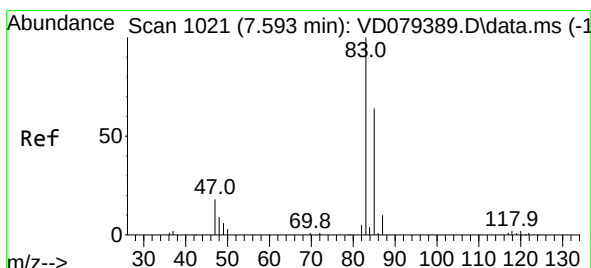
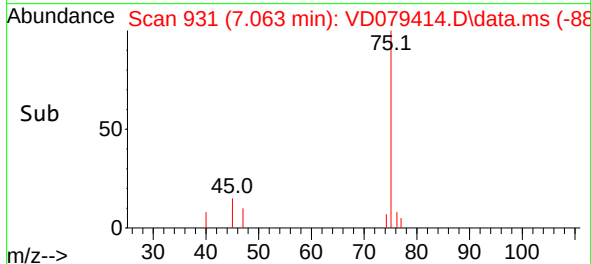
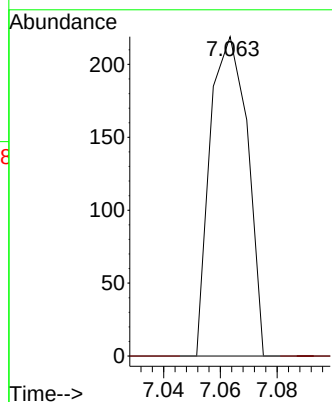
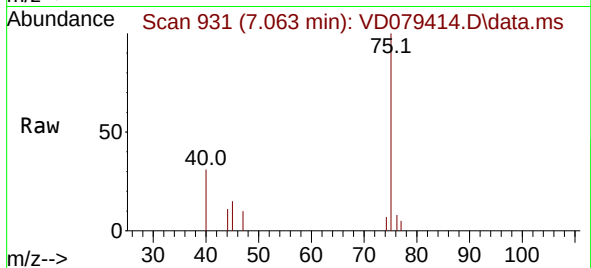
ClientSampleId :

Tgt Ion: 77 Resp: 200

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.2#



#30

Chloroform

Concen: Below Cal

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD079414.D

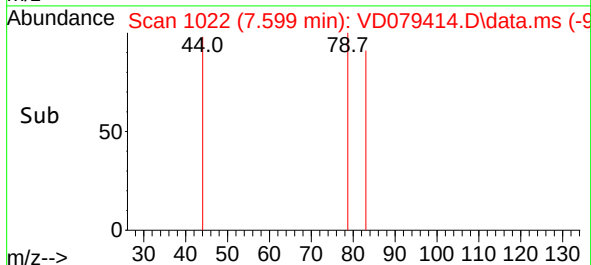
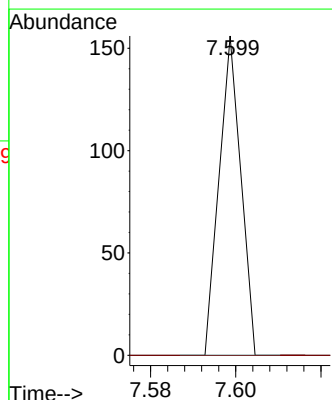
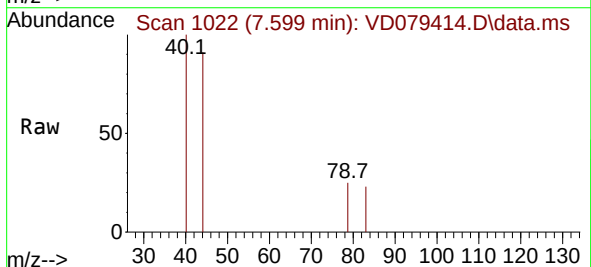
Acq: 26 Jul 2024 18:10

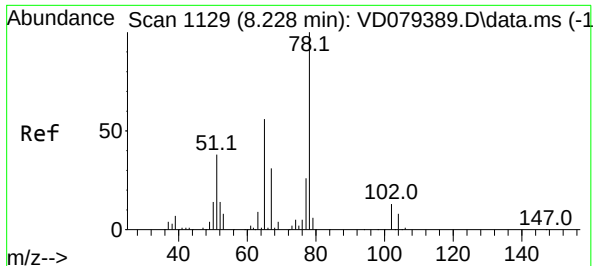
Tgt Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: 74.855 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

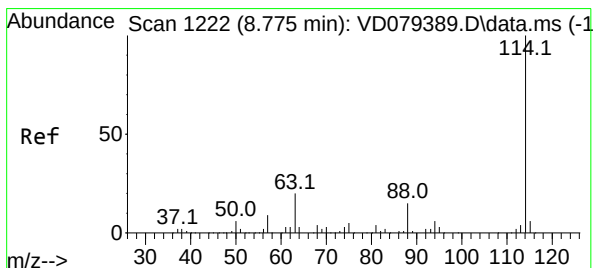
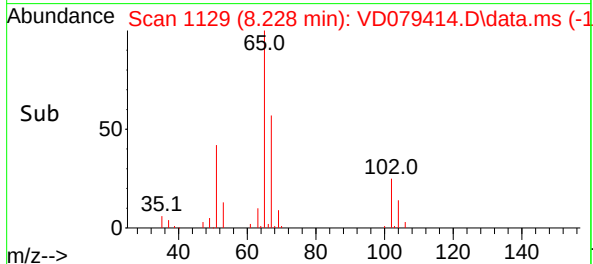
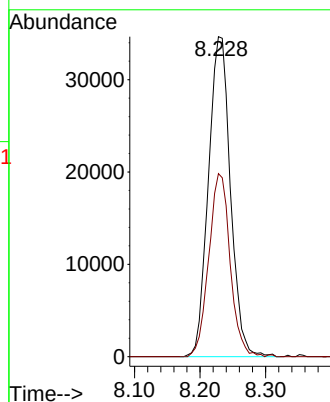
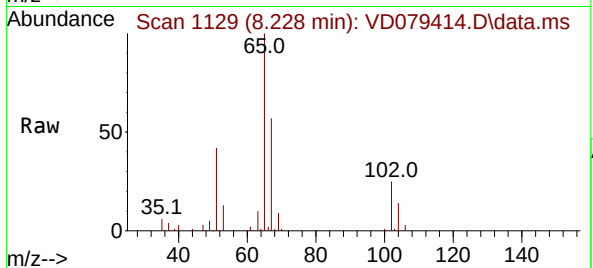
ClientSampleId :

Tgt Ion: 65 Resp: 80851

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

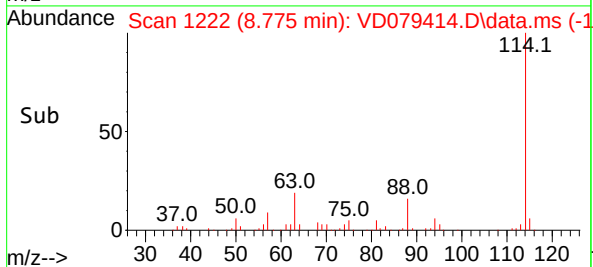
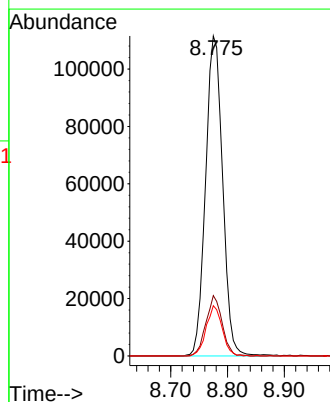
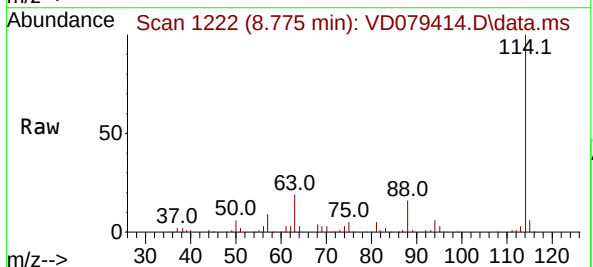
Tgt Ion: 114 Resp: 232028

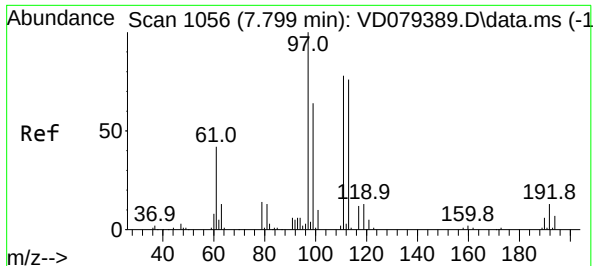
Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

88 15.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 62.091 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

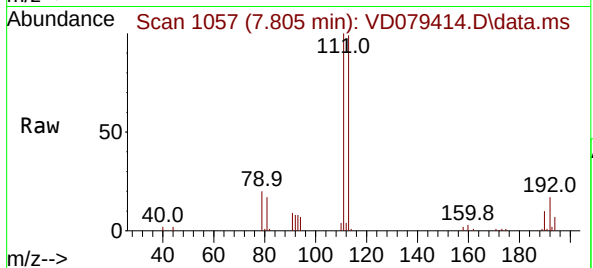
Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

ClientSampleId :



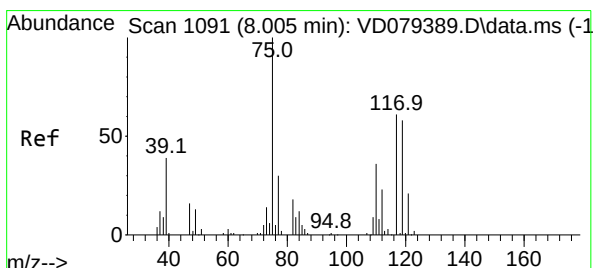
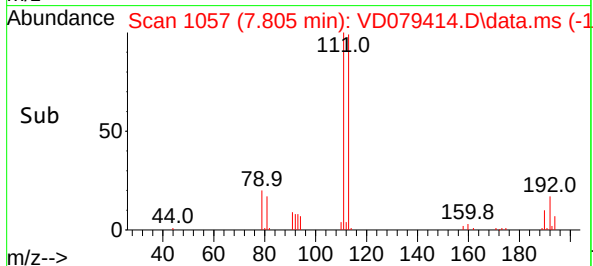
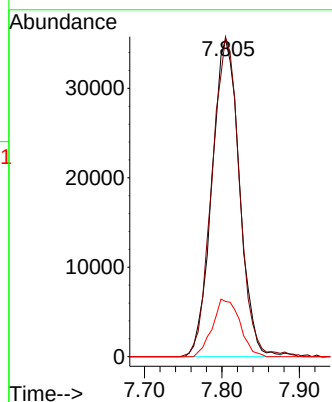
Tgt Ion:113 Resp: 87575

Ion Ratio Lower Upper

113 100

111 100.7 84.0 126.0

192 18.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.850 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

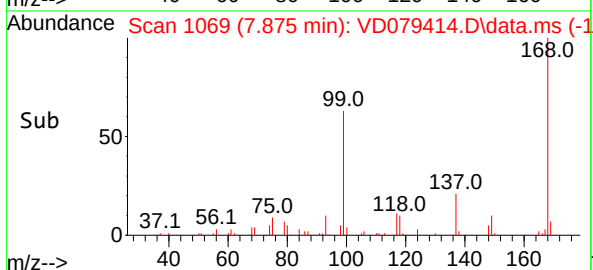
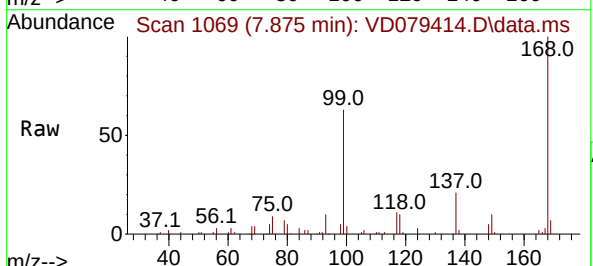
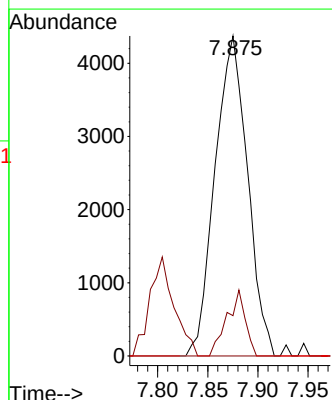
Tgt Ion: 75 Resp: 9881

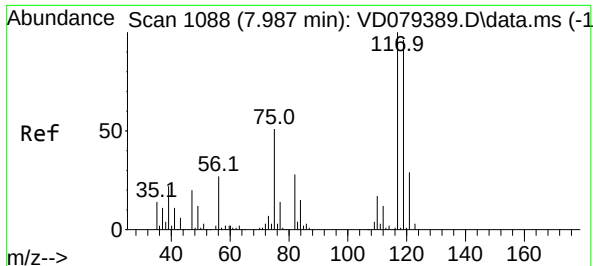
Ion Ratio Lower Upper

75 100

110 11.7 19.6 58.7#

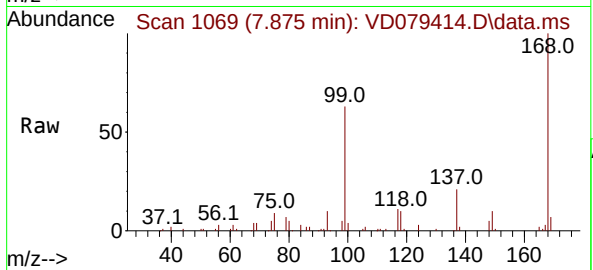
77 0.0 26.1 39.1#



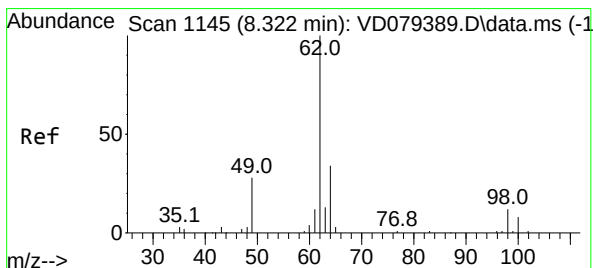
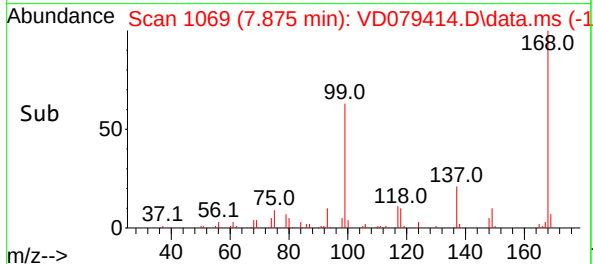
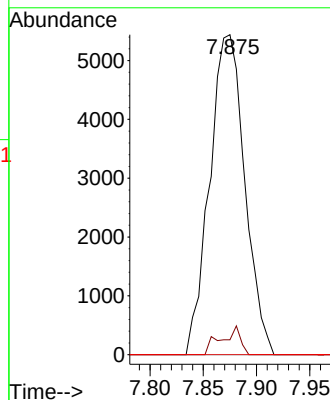


#38
Carbon Tetrachloride
Concen: 3.417 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Instrument :
MSVOA_D
ClientSampleId :

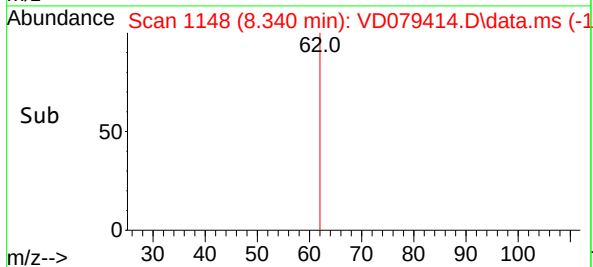
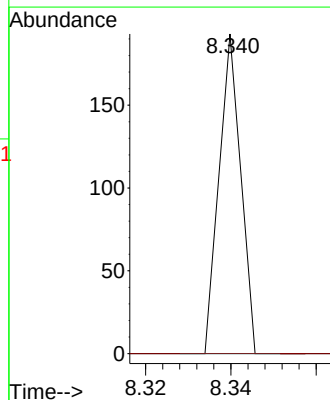
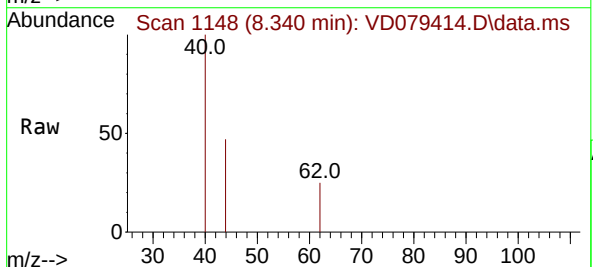


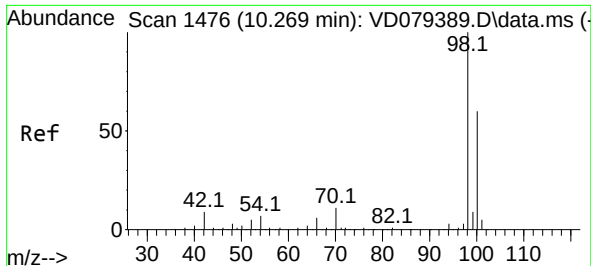
Tgt Ion:117 Resp: 12483
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.0#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: Below Cal
RT: 8.340 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

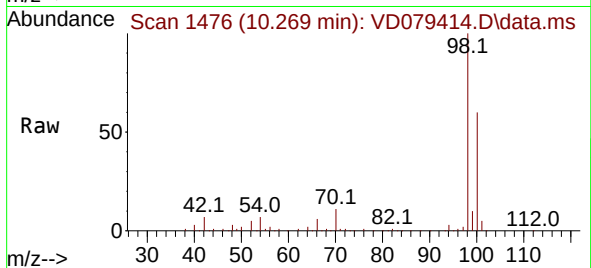
Tgt Ion: 62 Resp: 68
Ion Ratio Lower Upper
62 100
98 0.0 0.0 25.8



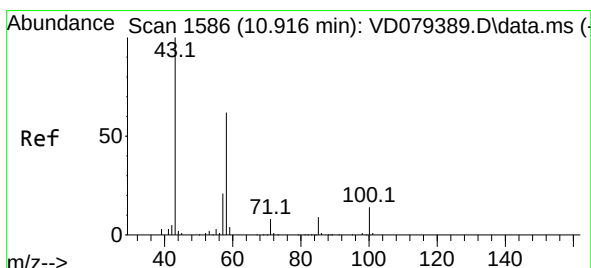
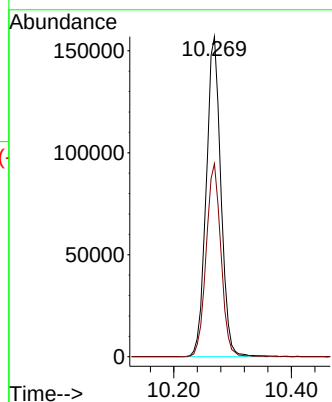
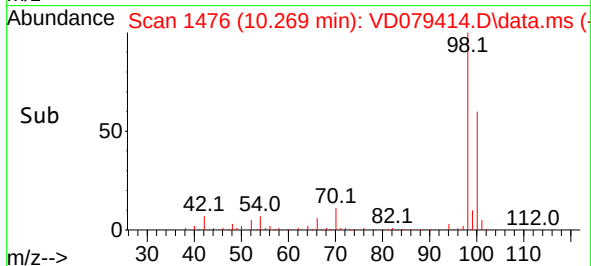


#50
Toluene-d8
Concen: 49.038 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Instrument :
MSVOA_D
ClientSampleId :

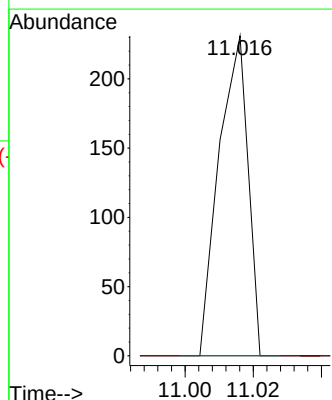
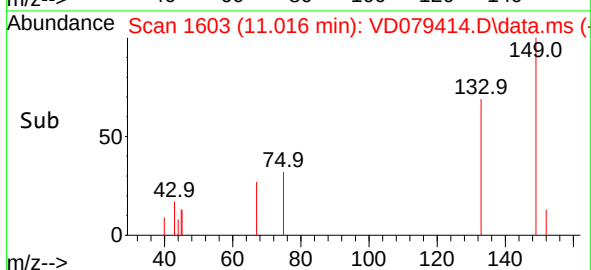
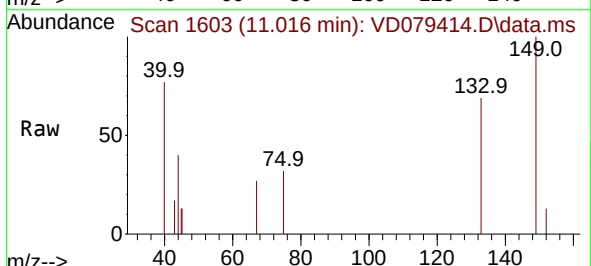


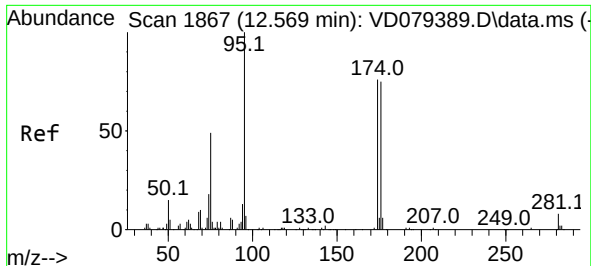
Tgt Ion: 98 Resp: 271165
Ion Ratio Lower Upper
98 100
100 60.8 51.6 77.4



#59
2-Hexanone
Concen: 1.932 ug/l
RT: 11.016 min Scan# 1603
Delta R.T. 0.100 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

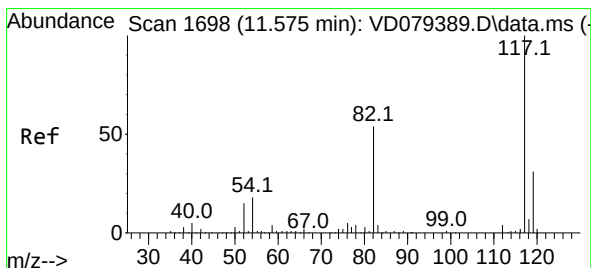
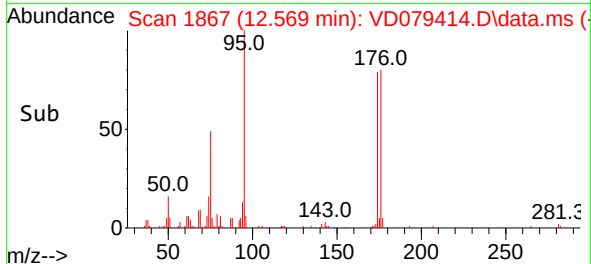
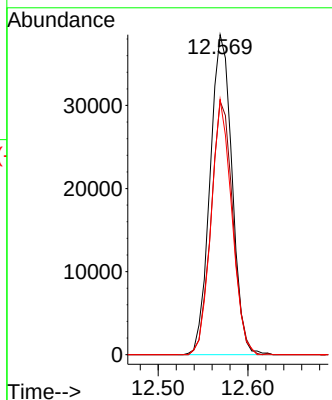
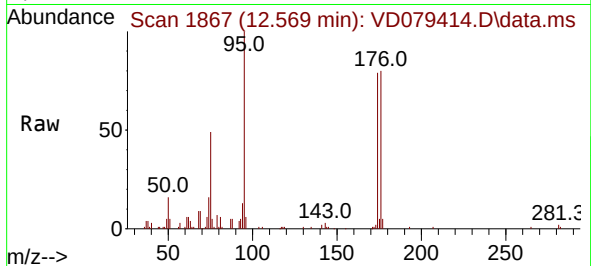




#62
4-Bromofluorobenzene
Concen: 38.049 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

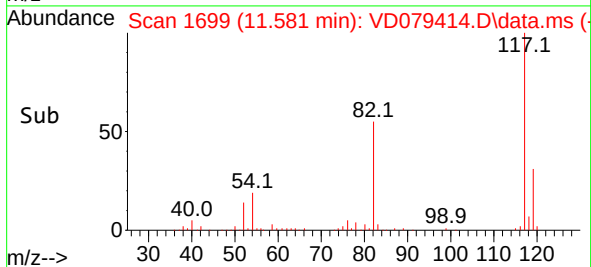
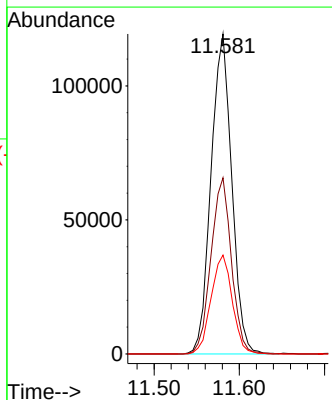
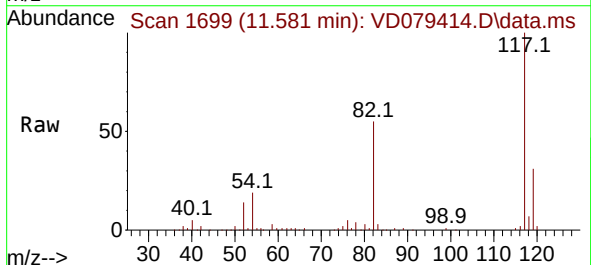
Instrument :
MSVOA_D
ClientSampleId :

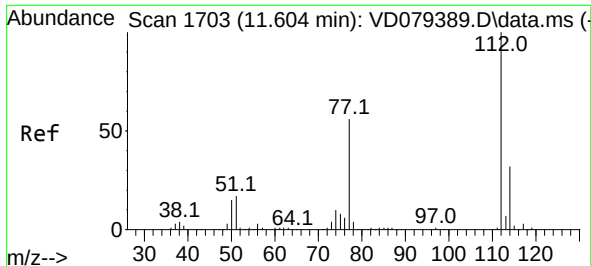
Tgt Ion: 95 Resp: 65580
Ion Ratio Lower Upper
95 100
174 78.4 0.0 195.4
176 75.2 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion: 117 Resp: 201564
Ion Ratio Lower Upper
117 100
82 55.0 39.8 59.6
119 30.9 25.7 38.5

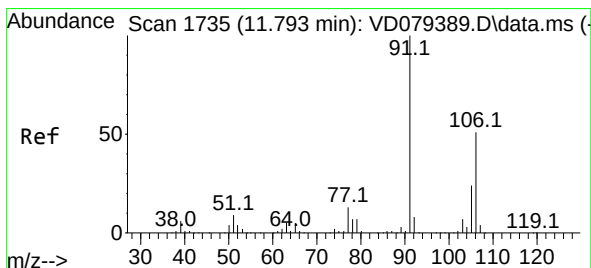
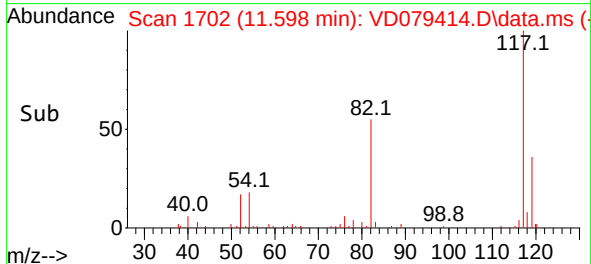
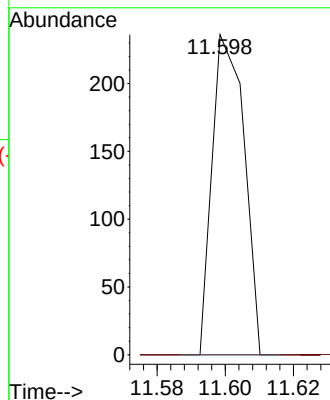
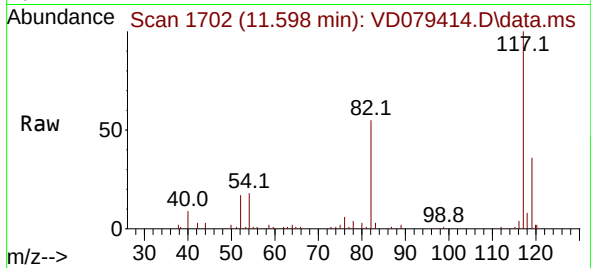




#65
Chlorobenzene
Concen: Below Cal
RT: 11.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

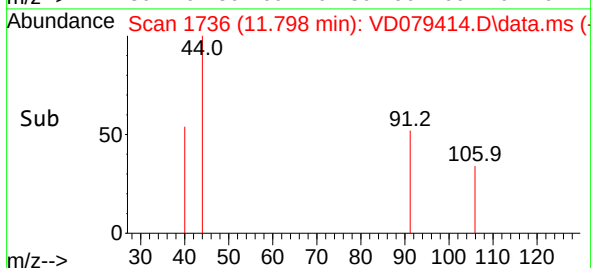
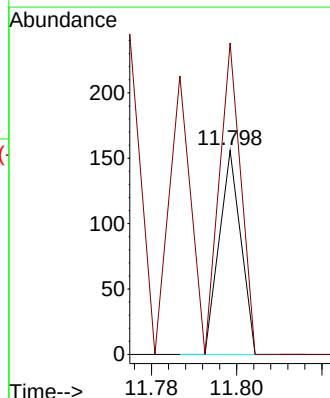
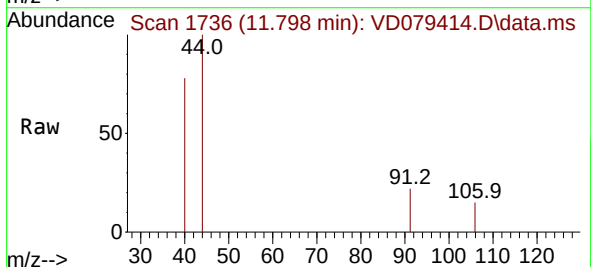
Instrument :
MSVOA_D
ClientSampleId :

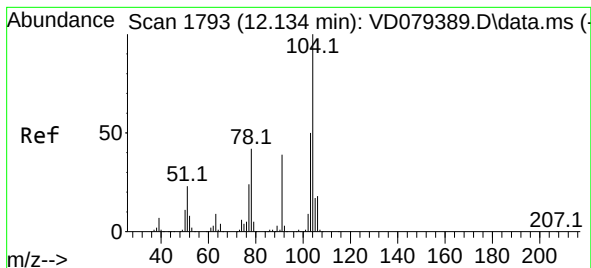
Tgt Ion:112 Resp: 154
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



#68
m/p-Xylenes
Concen: 1.444 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion:106 Resp: 55
Ion Ratio Lower Upper
106 100
91 0.0 148.5 222.7#





#70

Styrene

Concen: 1.171 ug/l

RT: 12.140 min Scan# 1

Delta R.T. 0.006 min

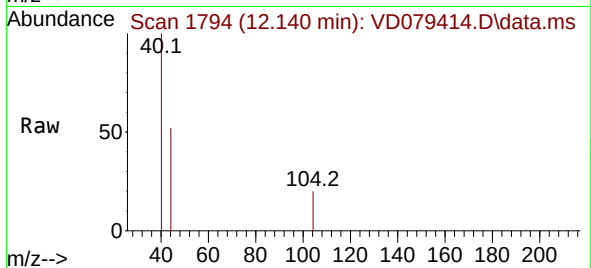
Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

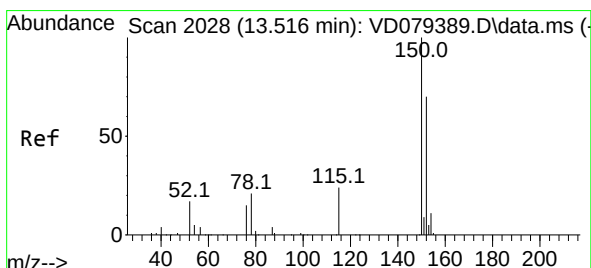
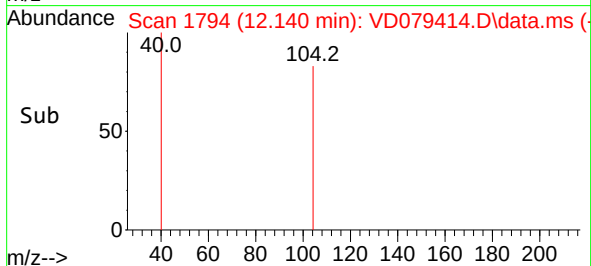
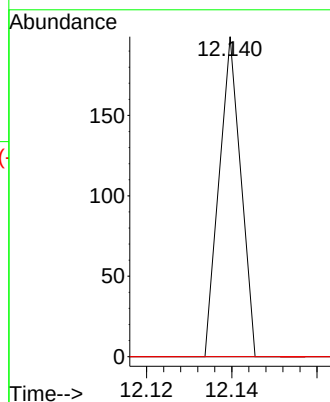
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	104	Resp:	70
Ion	Ratio	Lower	Upper
104	100		
78	0.0	33.0	49.6#
103	0.0	44.2	66.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

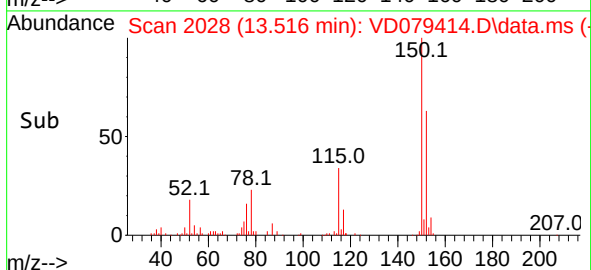
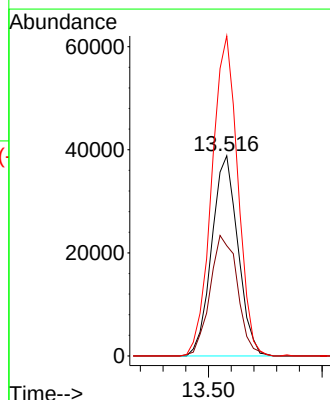
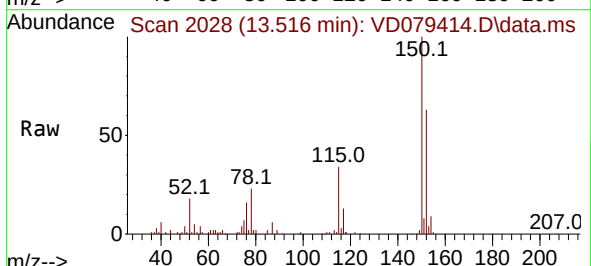
RT: 13.516 min Scan# 2028

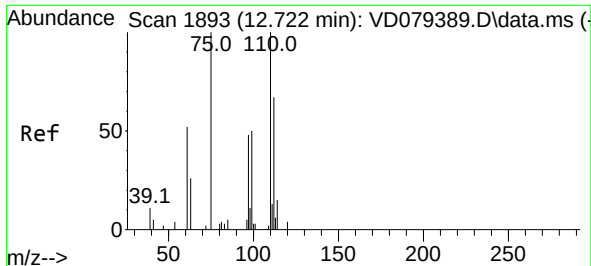
Delta R.T. -0.000 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Tgt Ion:	152	Resp:	62106
Ion	Ratio	Lower	Upper
152	100		
115	63.5	26.5	79.5
150	158.8	0.0	341.6

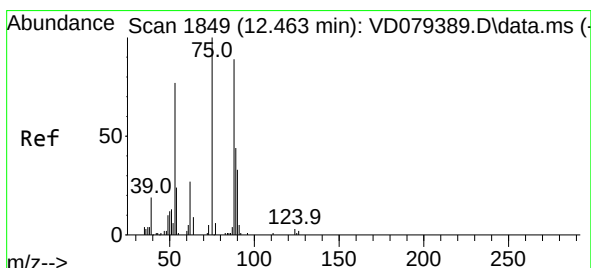
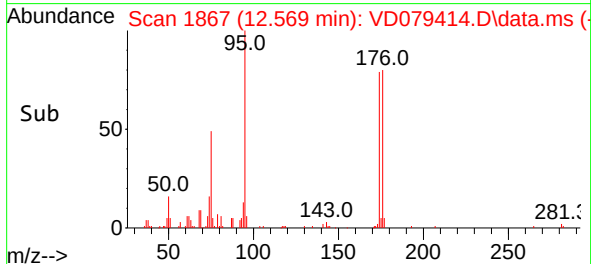
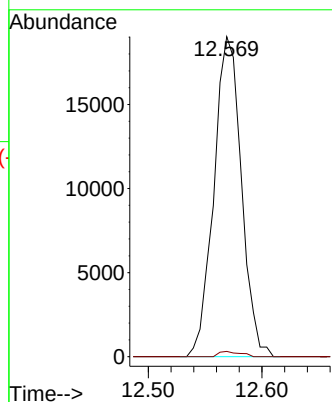
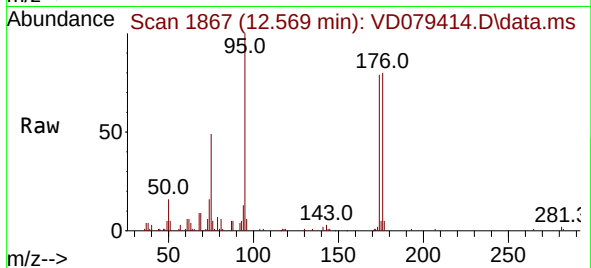




#76
1,2,3-Trichloropropane
Concen: 53.026 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

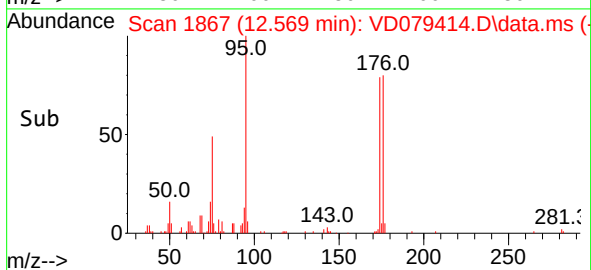
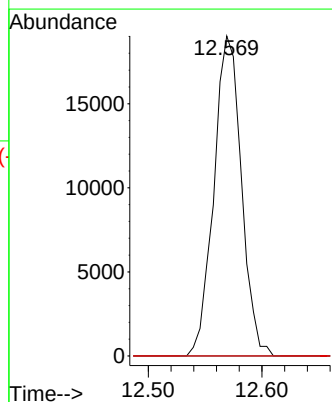
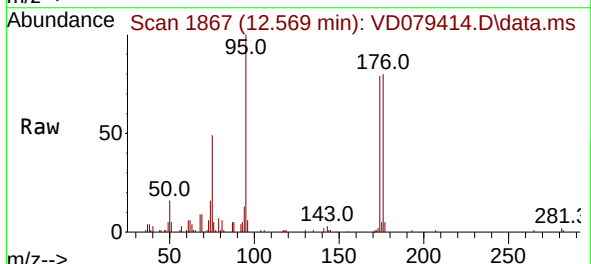
Instrument :
MSVOA_D
ClientSampleId :

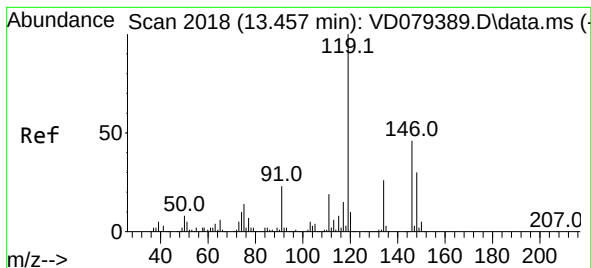
Tgt Ion: 75 Resp: 32041
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.991 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079414.D
Acq: 26 Jul 2024 18:10

Tgt Ion: 75 Resp: 32041
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#86

p-Isopropyltoluene

Concen: 1.009 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079414.D

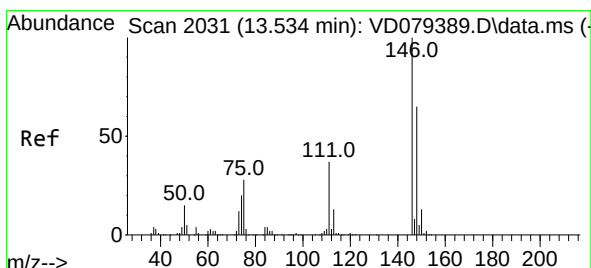
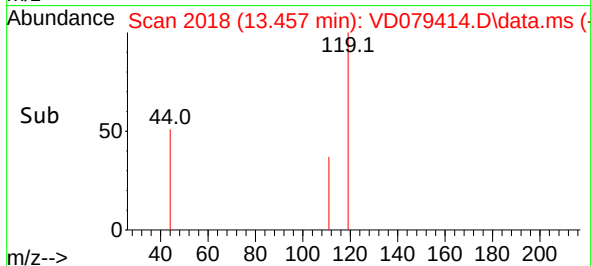
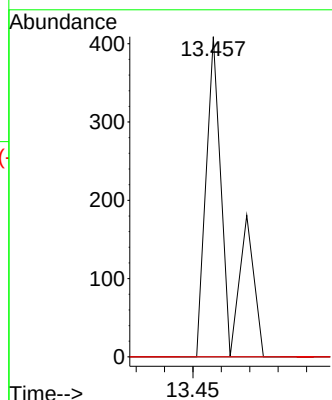
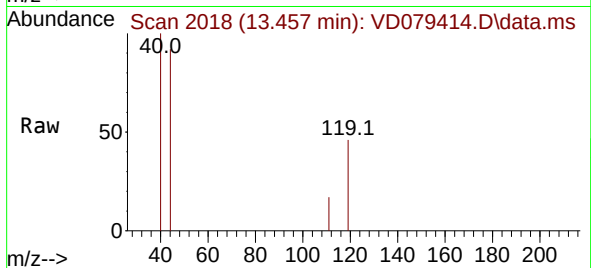
Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	119	Resp:	208
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#88

1,4-Dichlorobenzene

Concen: Below Cal

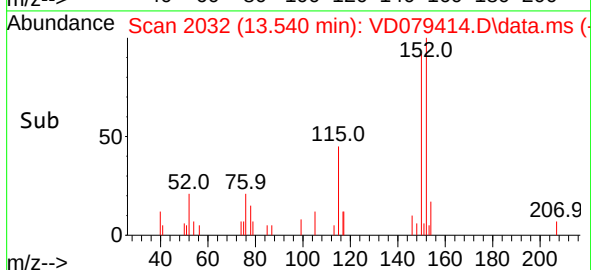
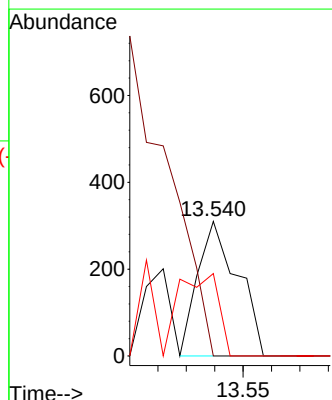
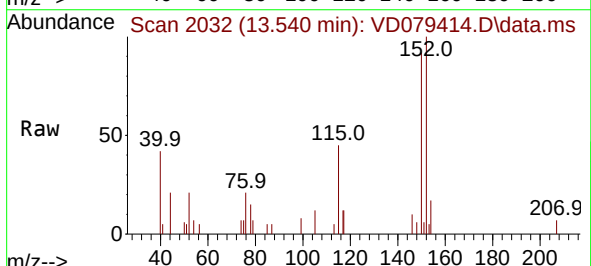
RT: 13.540 min Scan# 2032

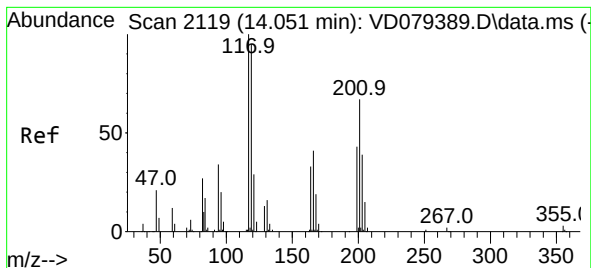
Delta R.T. 0.006 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Tgt Ion:	146	Resp:	305
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.5	52.6#
148	60.7	31.4	94.2





#90

Hexachloroethane

Concen: Below Cal

RT: 14.163 min Scan# 2119

Delta R.T. 0.112 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

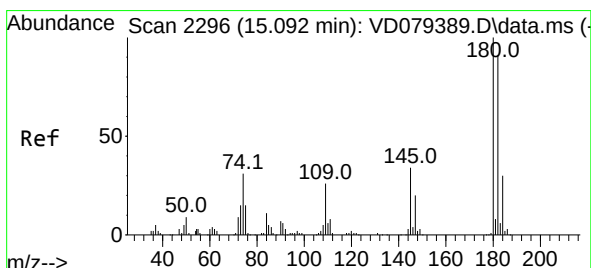
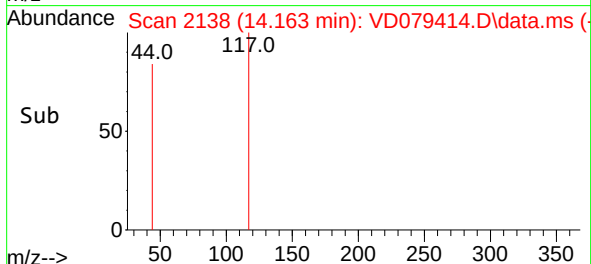
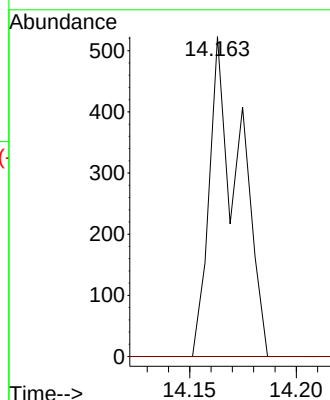
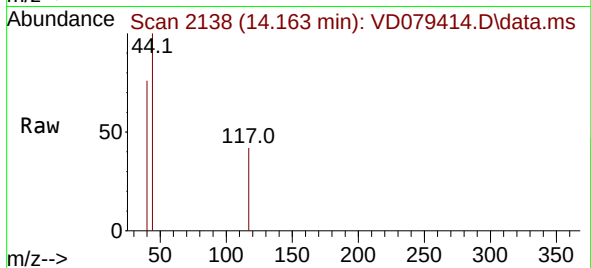
ClientSampleId :

Tgt Ion:117 Resp: 517

Ion Ratio Lower Upper

117 100

201 0.0 36.3 108.9#



#93

1,2,4-Trichlorobenzene

Concen: 1.525 ug/l

RT: 15.092 min Scan# 2296

Delta R.T. -0.000 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

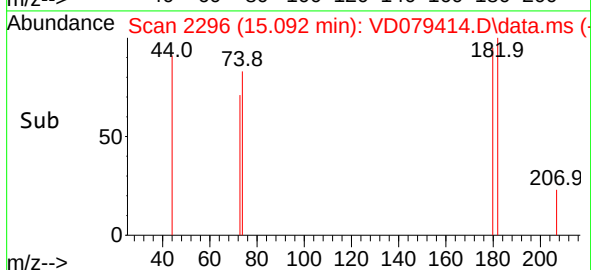
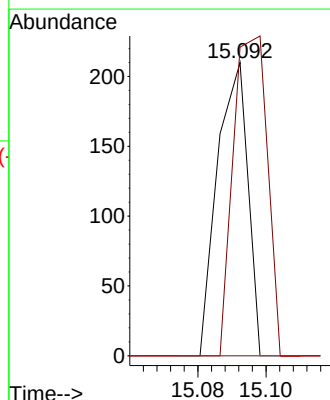
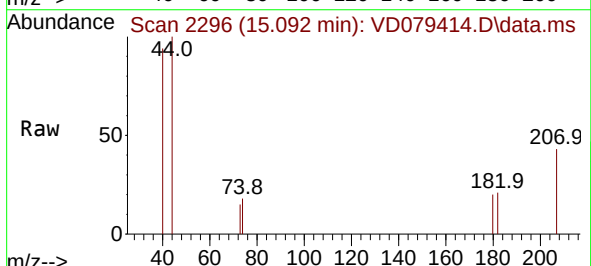
Tgt Ion:180 Resp: 130

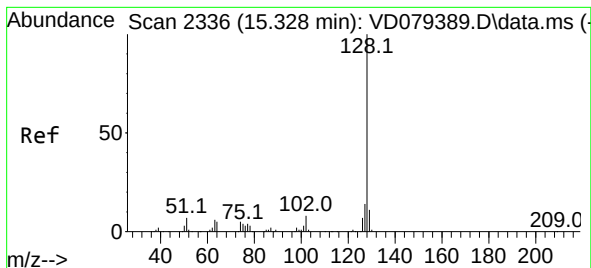
Ion Ratio Lower Upper

180 100

182 122.3 46.9 140.7

145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 65.068 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

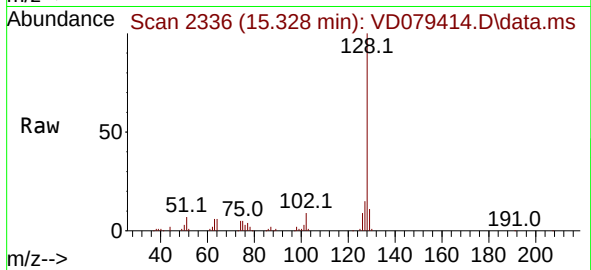
Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Instrument :

MSVOA_D

ClientSampleId :



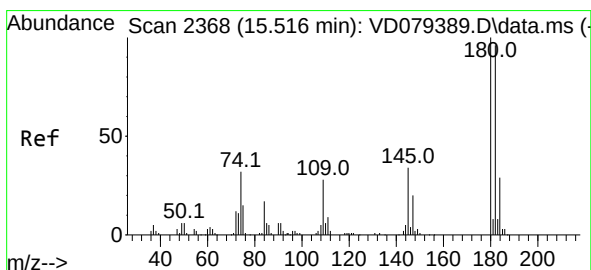
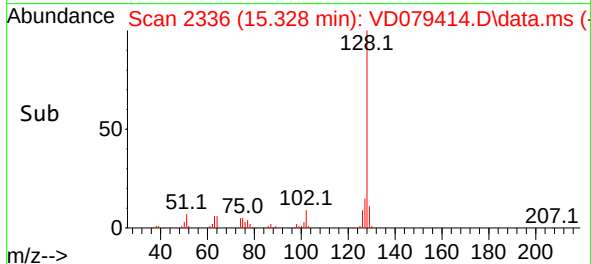
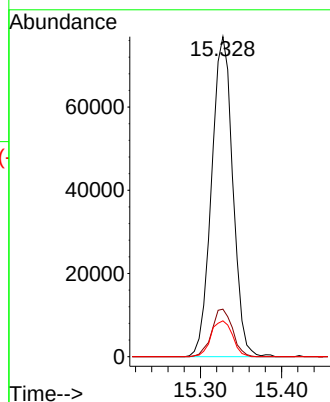
Tgt Ion:128 Resp: 139688

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 11.2 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 1.037 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.000 min

Lab File: VD079414.D

Acq: 26 Jul 2024 18:10

Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 133.9 47.8 143.3

145 0.0 16.1 48.2#

