

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
 Data File : VD079303.D
 Acq On : 01 Jul 2024 18:30
 Operator : RP/MD
 Sample : P3141-01
 Misc : 7.62G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

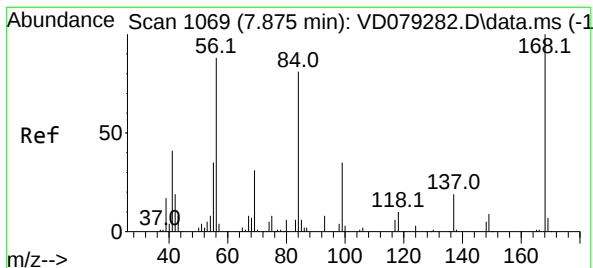
Instrument :
 MSVOA_D
 ClientSampleId :
 B-140-SB00

Quant Time: Jul 02 06:00:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	94623	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	186755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	160665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	51606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55218	60.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 121.080%		
35) Dibromofluoromethane	7.810	113	68640	55.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 111.980%		
50) Toluene-d8	10.269	98	189460	42.961	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 85.920%		
62) 4-Bromofluorobenzene	12.569	95	61827	43.720	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 87.440%		
Target Compounds						
						Qvalue
16) Acetone	4.022	43	5645	25.136	ug/l	95
17) Carbon Disulfide	4.269	76	4560	1.043	ug/l #	82
20) Methylene Chloride	4.805	84	32504	17.414	ug/l	90
64) Tetrachloroethene	10.810	164	1040	1.039	ug/l #	85
68) m/p-Xylenes	11.798	106	3296	1.370	ug/l #	59
78) n-propylbenzene	12.757	91	7626	1.553	ug/l	91
80) 1,3,5-Trimethylbenzene	12.898	105	5647	1.739	ug/l	88
84) 1,2,4-Trimethylbenzene	13.216	105	4663	1.434	ug/l	94
85) sec-Butylbenzene	13.339	105	5165	1.234	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	2717	1.481	ug/l #	59
89) n-Butylbenzene	13.781	91	9292	2.740	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	3001	3.564	ug/l #	61
95) Naphthalene	15.334	128	3506	2.133	ug/l #	84

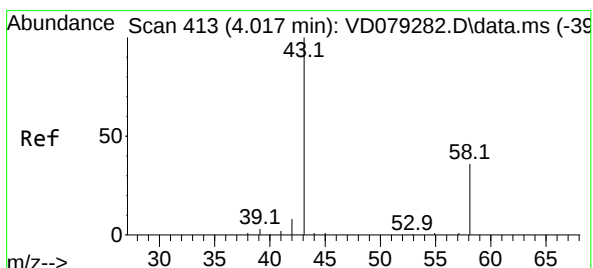
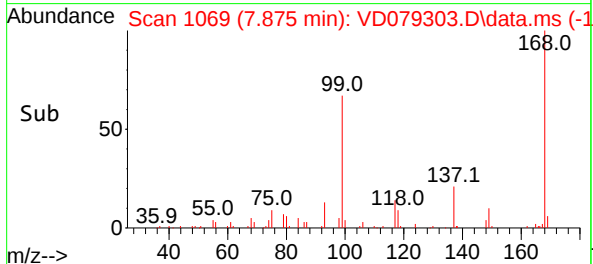
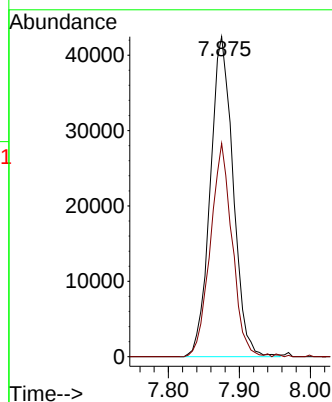
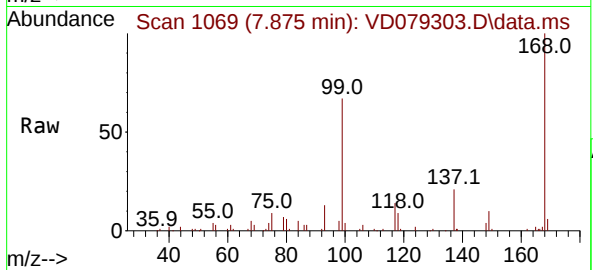
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

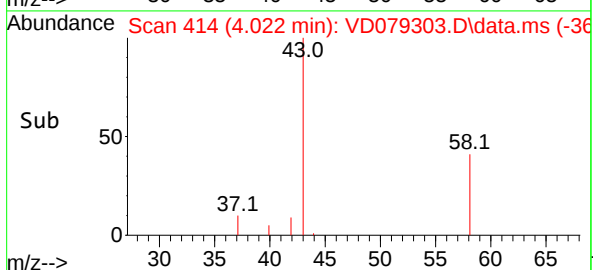
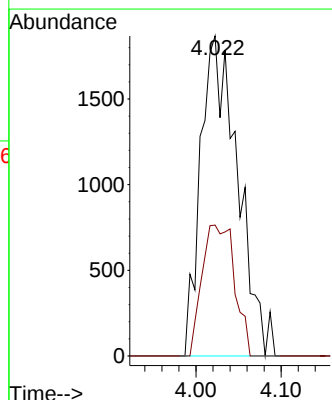
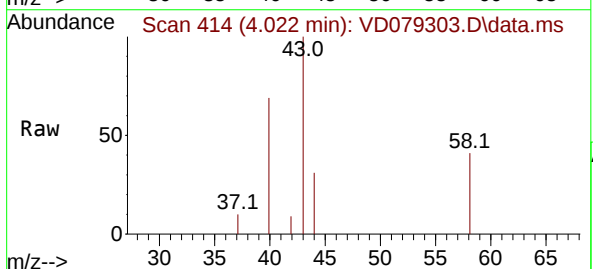
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

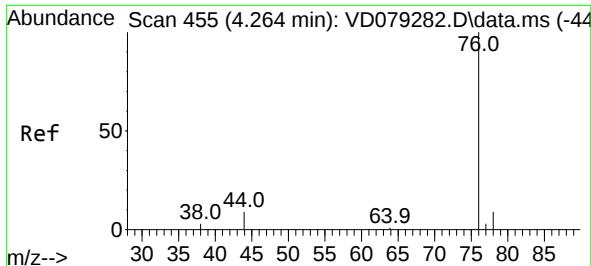
Tgt Ion:168 Resp: 94623
Ion Ratio Lower Upper
168 100
99 66.6 41.1 61.7#



#16
Acetone
Concen: 25.136 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Tgt Ion: 43 Resp: 5645
Ion Ratio Lower Upper
43 100
58 40.9 30.4 45.6

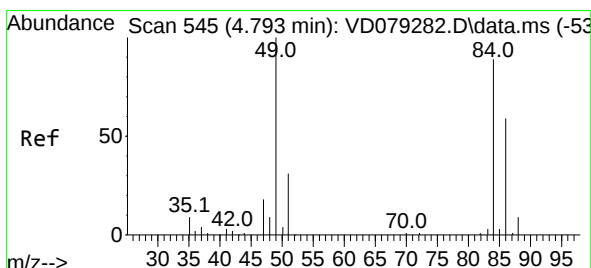
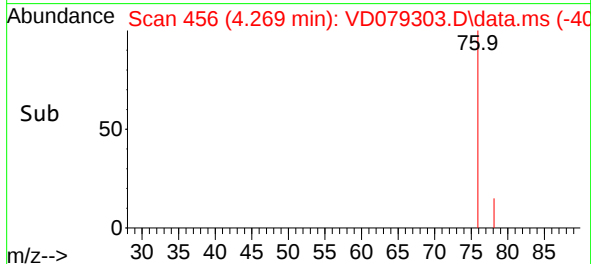
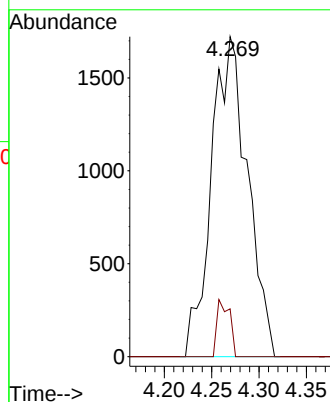
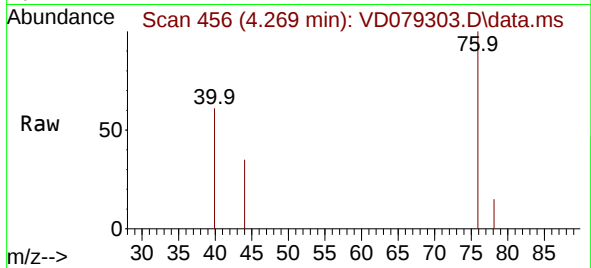




#17
Carbon Disulfide
Concen: 1.043 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

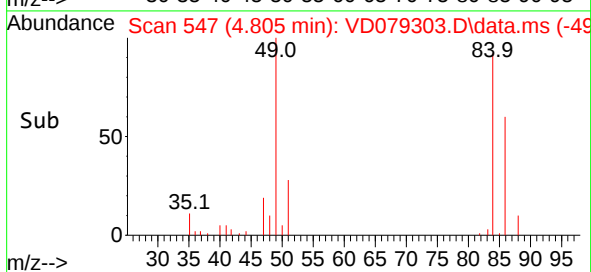
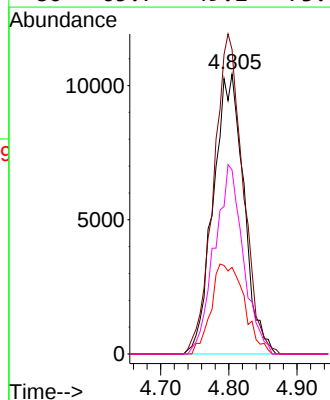
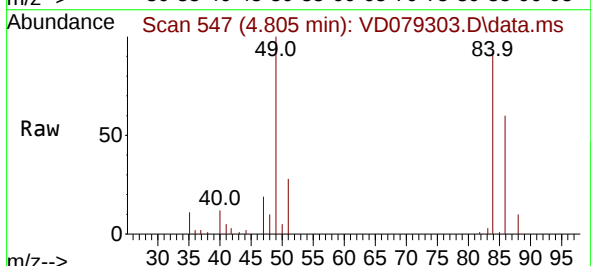
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

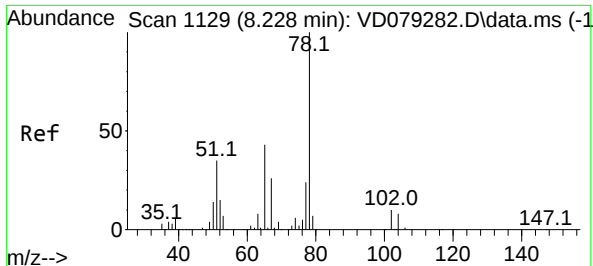
Tgt Ion: 76 Resp: 4560
Ion Ratio Lower Upper
76 100
78 14.9 6.9 10.3#



#20
Methylene Chloride
Concen: 17.414 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Tgt Ion: 84 Resp: 32504
Ion Ratio Lower Upper
84 100
49 108.8 75.6 113.4
51 30.9 24.2 36.2
86 65.7 49.2 73.8





#33

1,2-Dichloroethane-d4

Concen: 60.536 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079303.D

Acq: 01 Jul 2024 18:30

Instrument :

MSVOA_D

ClientSampleId :

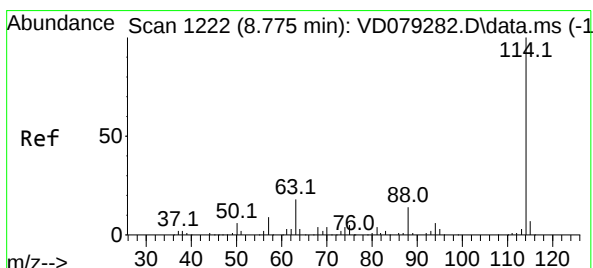
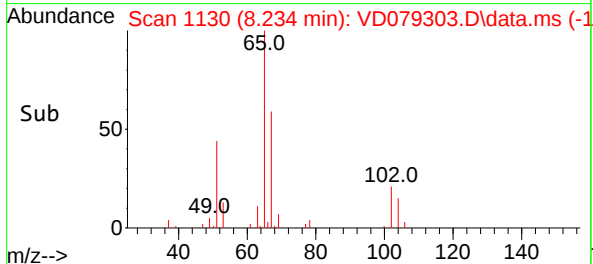
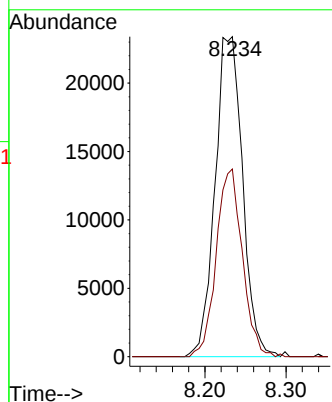
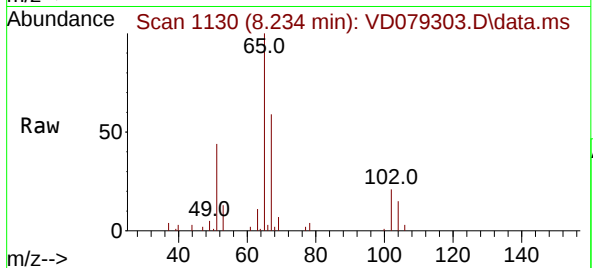
B-140-SB00

Tgt Ion: 65 Resp: 55218

Ion Ratio Lower Upper

65 100

67 55.5 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: VD079303.D

Acq: 01 Jul 2024 18:30

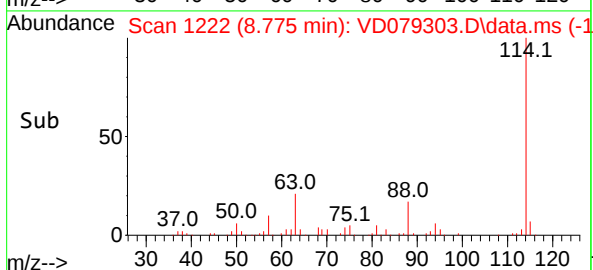
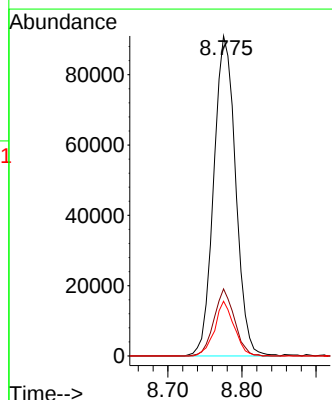
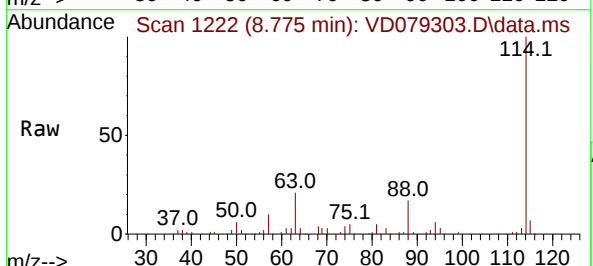
Tgt Ion: 114 Resp: 186755

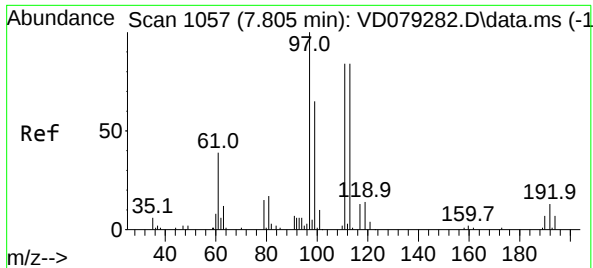
Ion Ratio Lower Upper

114 100

63 20.9 0.0 34.0

88 17.1 0.0 27.2

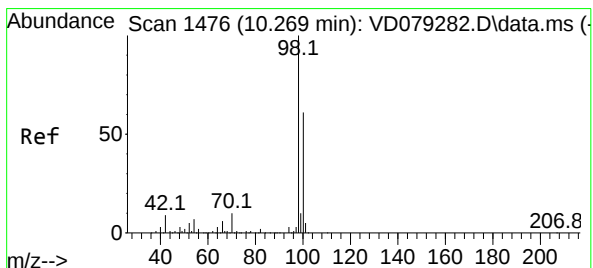
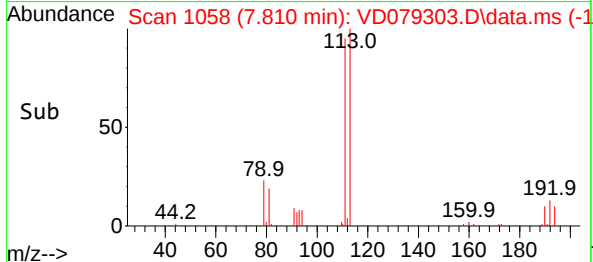
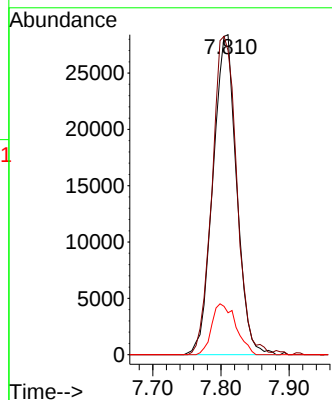
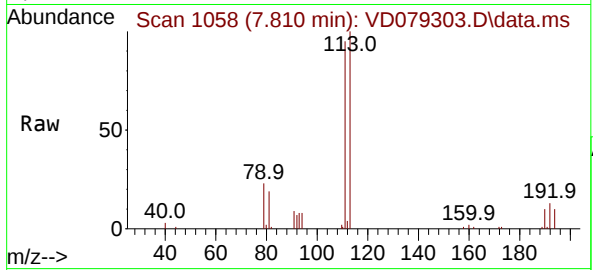




#35
Dibromofluoromethane
Concen: 55.994 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

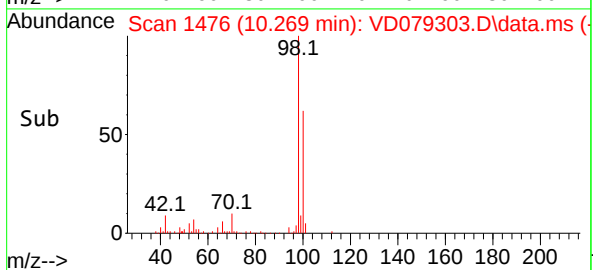
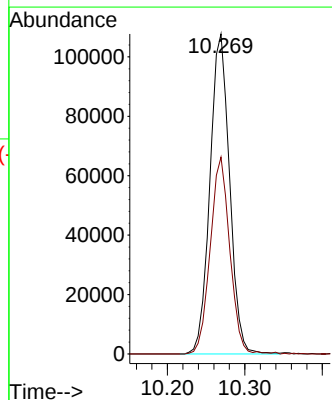
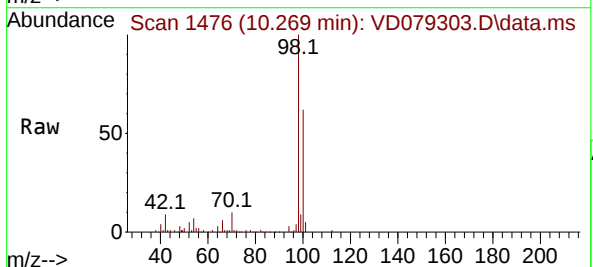
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

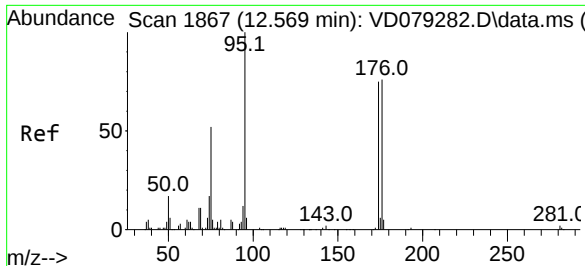
Tgt Ion:113 Resp: 68640
Ion Ratio Lower Upper
113 100
111 103.5 84.0 126.0
192 16.3 15.4 23.0



#50
Toluene-d8
Concen: 42.961 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Tgt Ion: 98 Resp: 189460
Ion Ratio Lower Upper
98 100
100 61.4 51.6 77.4

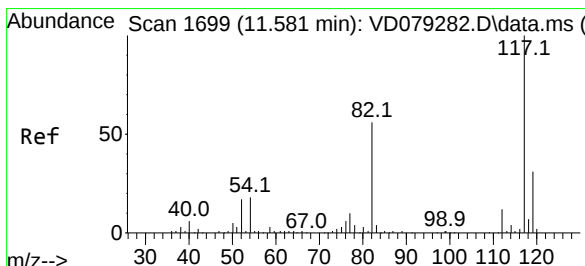
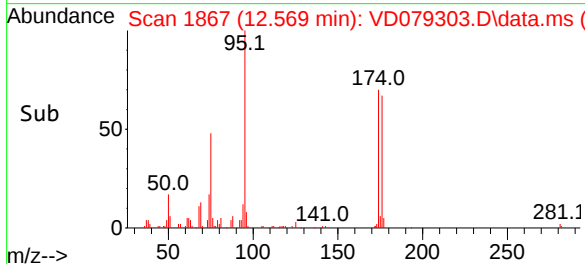
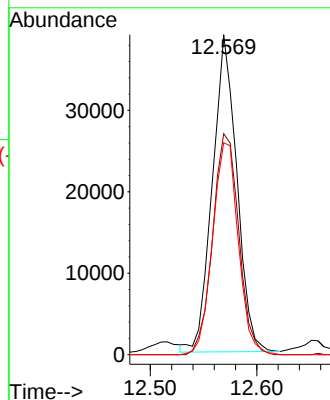
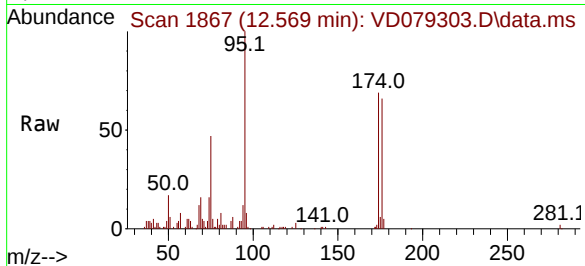




#62
4-Bromofluorobenzene
Concen: 43.720 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

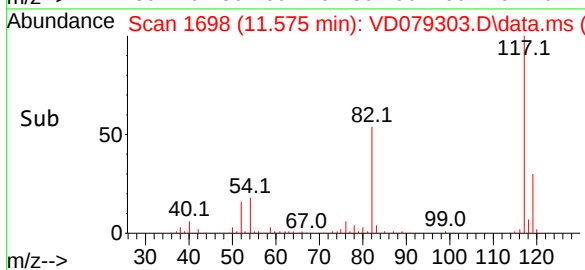
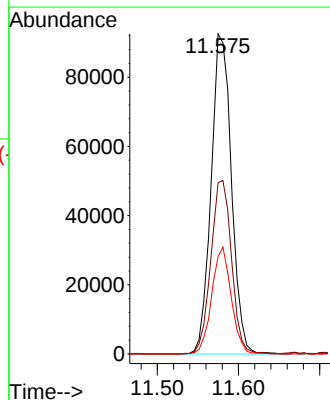
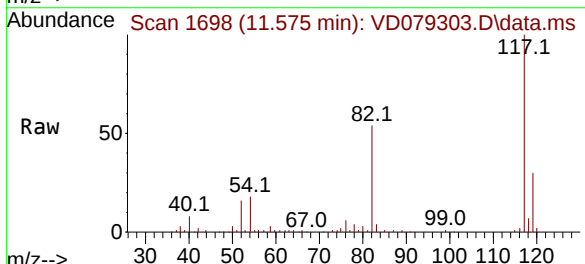
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

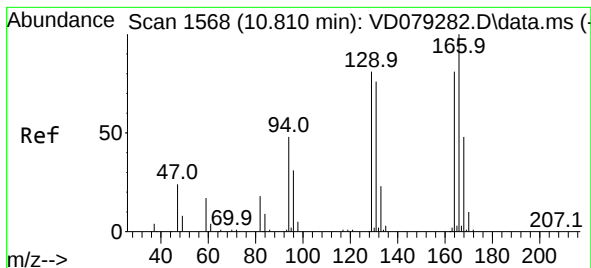
Tgt Ion:	95	Resp:	61827
Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	195.4
176	70.6	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Tgt Ion:	117	Resp:	160665
Ion	Ratio	Lower	Upper
117	100		
82	53.6	39.8	59.6
119	30.5	25.7	38.5





#64

Tetrachloroethene

Concen: 1.039 ug/l

RT: 10.810 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079303.D

Acq: 01 Jul 2024 18:30

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB00

Tgt Ion:164 Resp: 1040

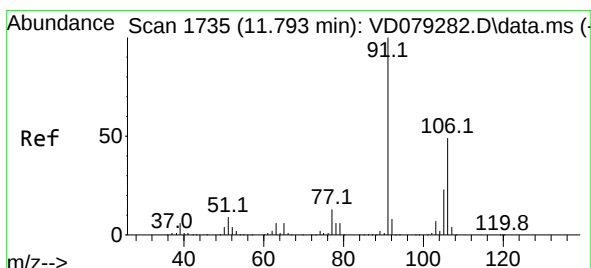
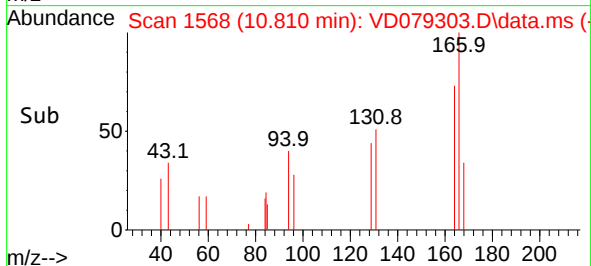
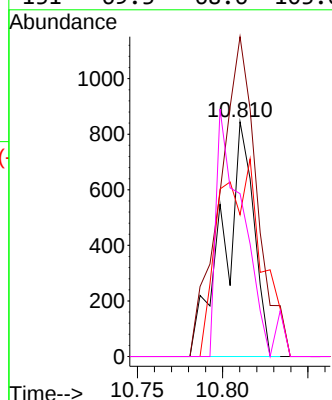
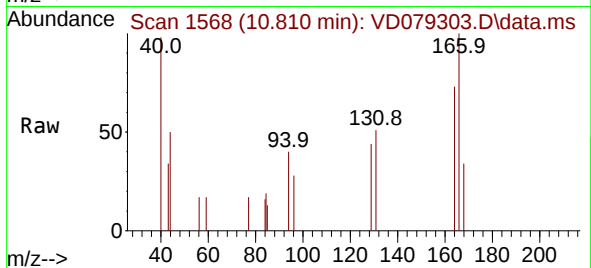
Ion Ratio Lower Upper

164 100

166 136.2 108.6 163.0

129 60.4 74.6 112.0#

131 69.3 68.6 103.0



#68

m/p-Xylenes

Concen: 1.370 ug/l

RT: 11.798 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VD079303.D

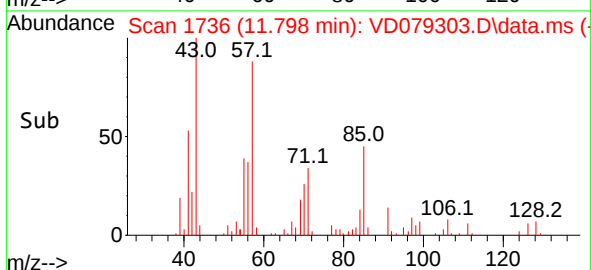
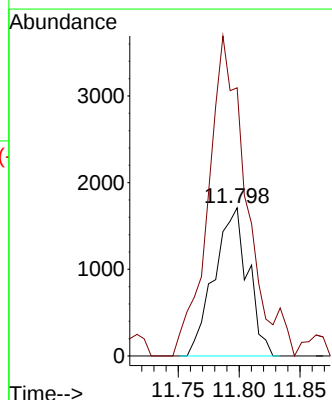
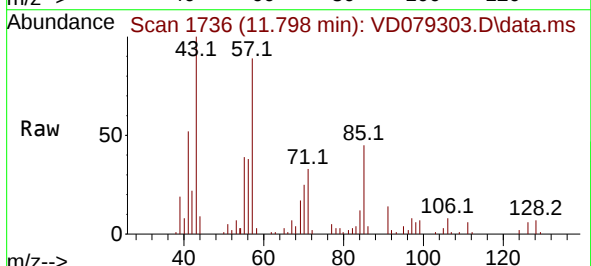
Acq: 01 Jul 2024 18:30

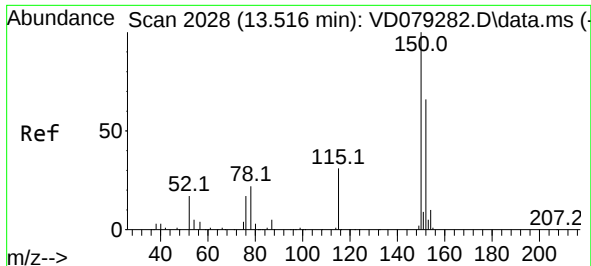
Tgt Ion:106 Resp: 3296

Ion Ratio Lower Upper

106 100

91 244.5 148.5 222.7#

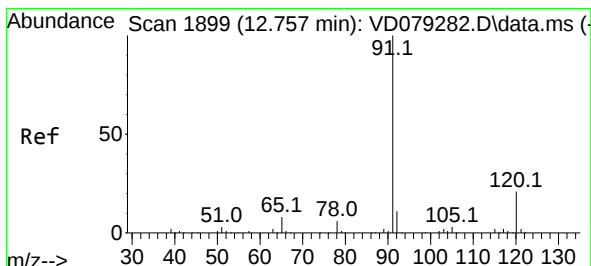
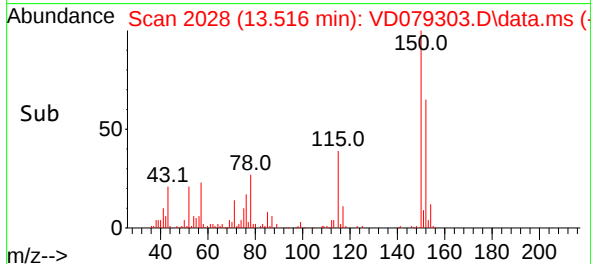
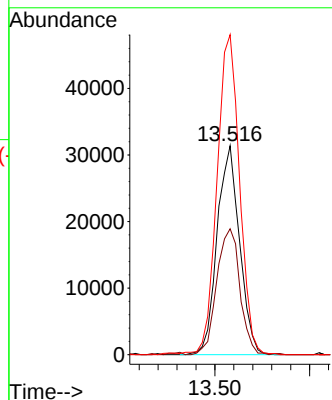
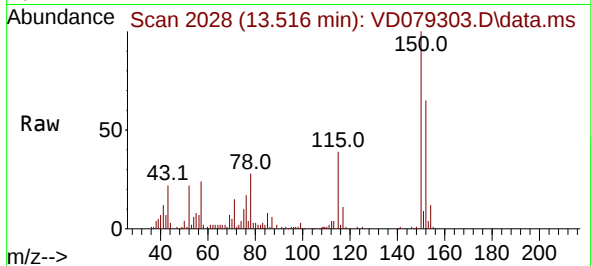




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD079303.D
 Acq: 01 Jul 2024 18:30

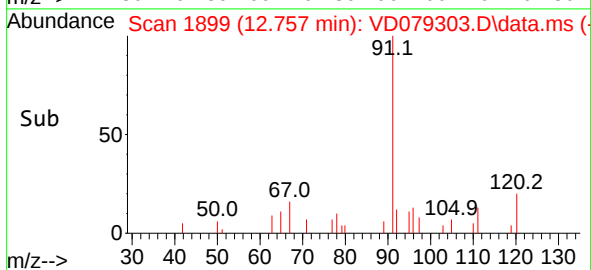
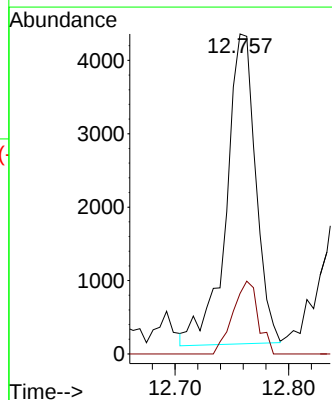
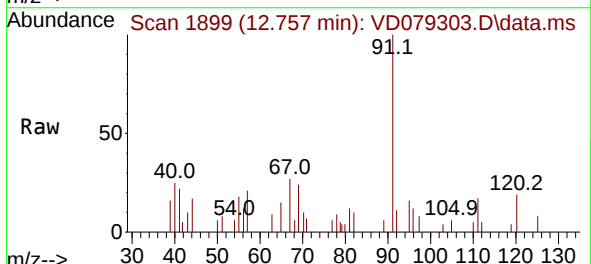
Instrument :
 MSVOA_D
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 B-140-SB00

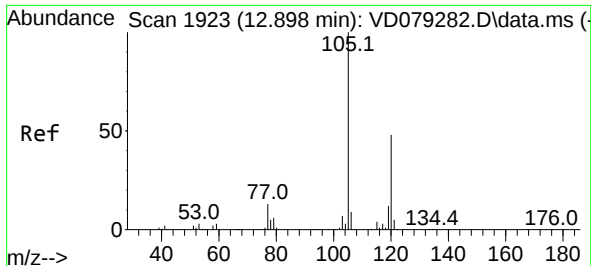
Tgt Ion:152 Resp: 51606
 Ion Ratio Lower Upper
 152 100
 115 62.2 26.5 79.5
 150 154.4 0.0 341.6



#78
 n-propylbenzene
 Concen: 1.553 ug/l
 RT: 12.757 min Scan# 1899
 Delta R.T. -0.006 min
 Lab File: VD079303.D
 Acq: 01 Jul 2024 18:30

Tgt Ion: 91 Resp: 7626
 Ion Ratio Lower Upper
 91 100
 120 20.1 12.3 36.8

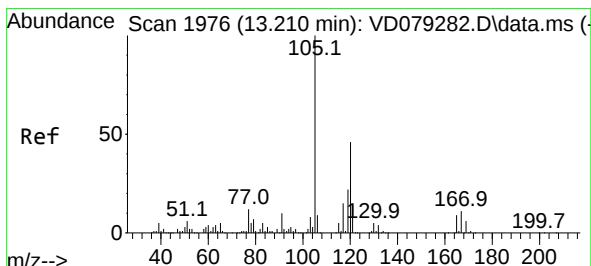
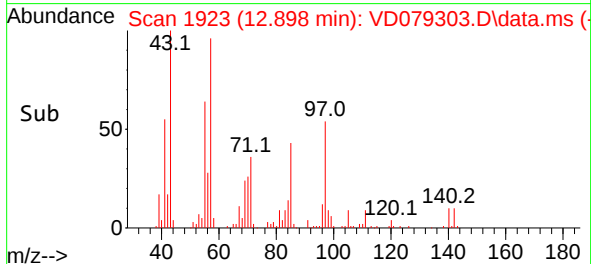
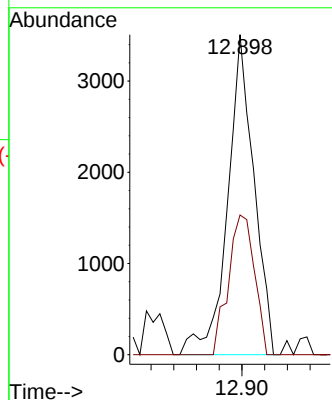
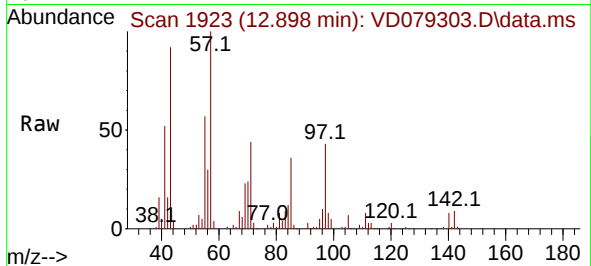




#80
1,3,5-Trimethylbenzene
Concen: 1.739 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.000 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

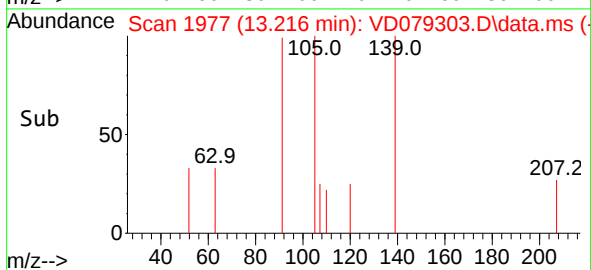
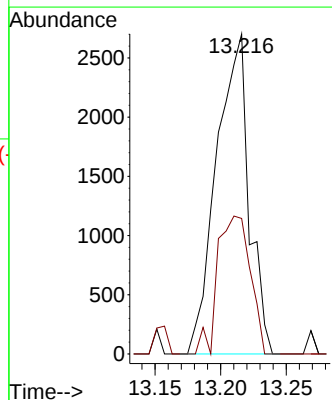
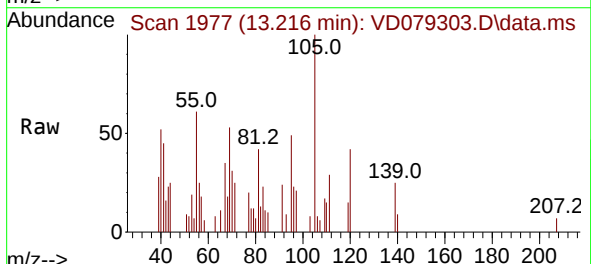
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

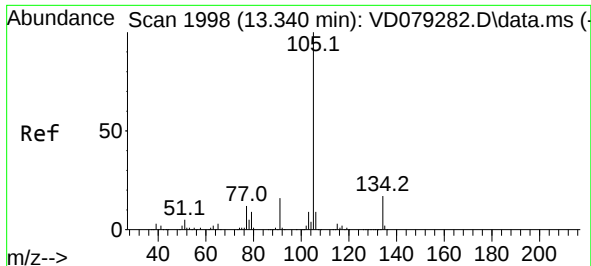
Tgt Ion:105 Resp: 5647
Ion Ratio Lower Upper
105 100
120 43.1 25.7 77.1



#84
1,2,4-Trimethylbenzene
Concen: 1.434 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Tgt Ion:105 Resp: 4663
Ion Ratio Lower Upper
105 100
120 43.2 23.6 71.0

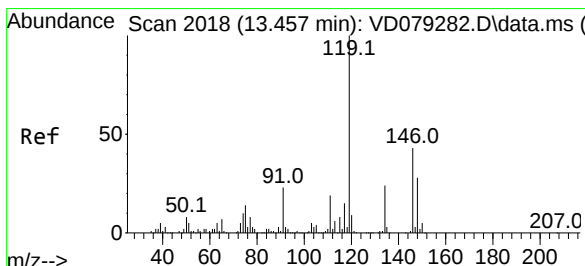
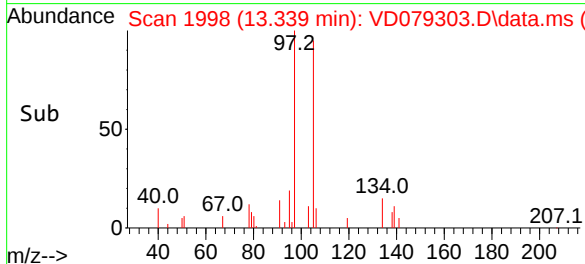
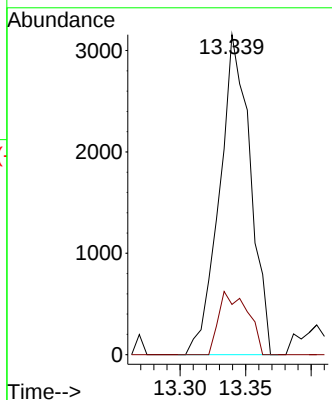
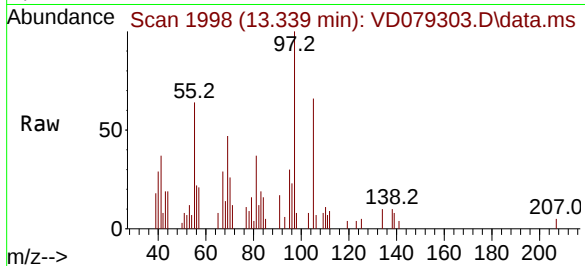




#85
 sec-Butylbenzene
 Concen: 1.234 ug/l
 RT: 13.339 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VD079303.D
 Acq: 01 Jul 2024 18:30

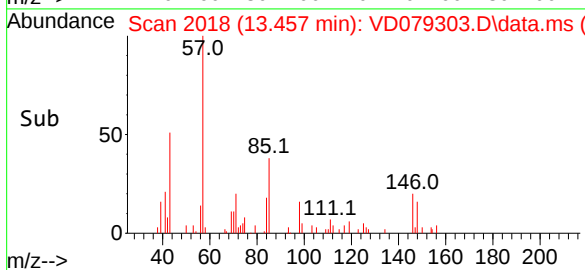
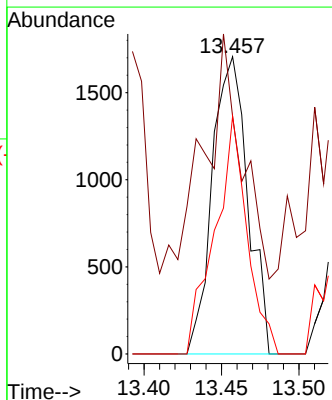
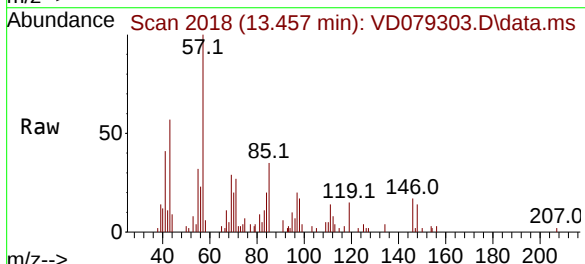
Instrument :
 MSVOA_D
 ClientSampleId :
 B-140-SB00

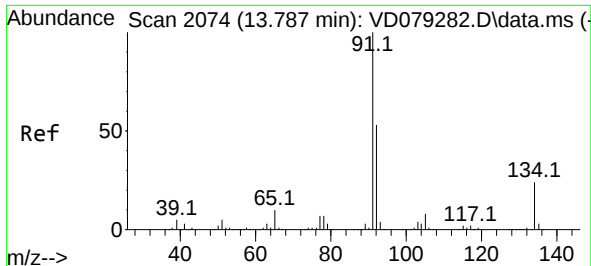
Tgt Ion:105 Resp: 5165
 Ion Ratio Lower Upper
 105 100
 134 18.5 10.3 30.8



#87
 1,3-Dichlorobenzene
 Concen: 1.481 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VD079303.D
 Acq: 01 Jul 2024 18:30

Tgt Ion:146 Resp: 2717
 Ion Ratio Lower Upper
 146 100
 111 87.7 18.5 55.5#
 148 72.7 30.9 92.8





#89

n-Butylbenzene

Concen: 2.740 ug/l

RT: 13.781 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD079303.D

Acq: 01 Jul 2024 18:30

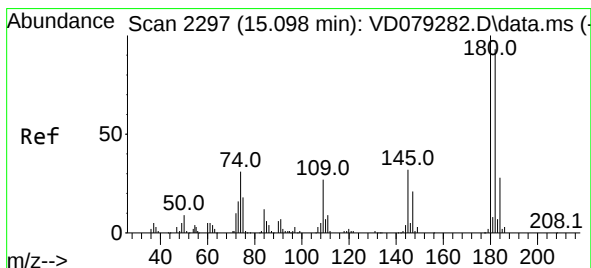
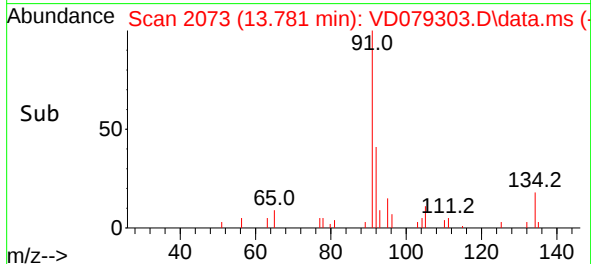
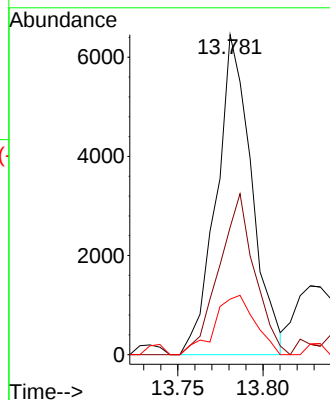
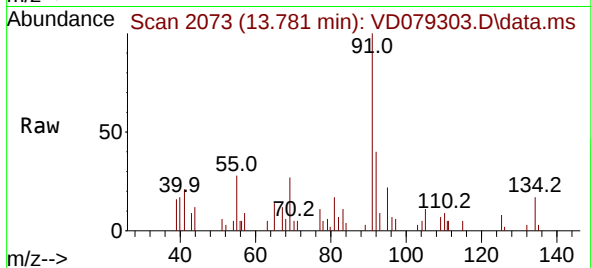
Instrument :

MSVOA_D

ClientSampleId :

B-140-SB00

Tgt Ion: 91	Resp: 9292
Ion Ratio	Lower Upper
91 100	
92 50.7	25.7 77.0
134 21.3	13.6 40.8



#93

1,2,4-Trichlorobenzene

Concen: 3.564 ug/l

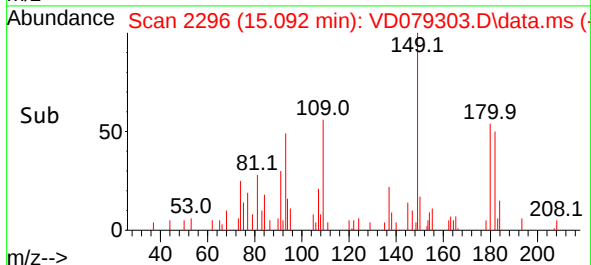
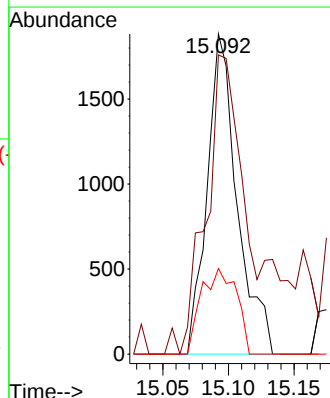
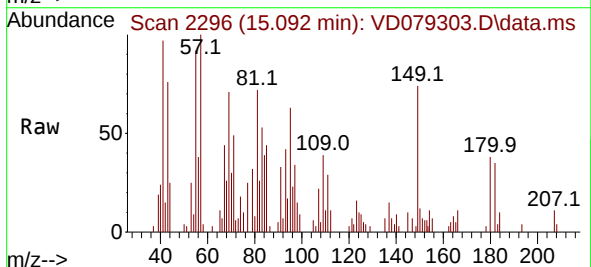
RT: 15.092 min Scan# 2296

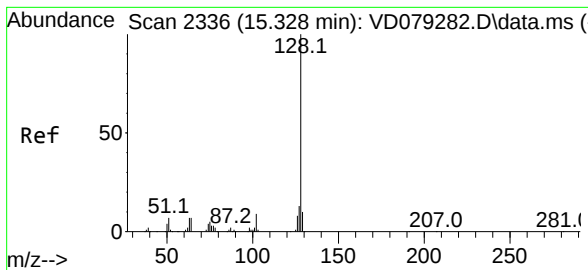
Delta R.T. -0.000 min

Lab File: VD079303.D

Acq: 01 Jul 2024 18:30

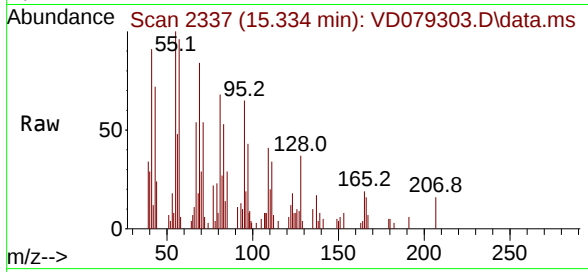
Tgt Ion: 180	Resp: 3001
Ion Ratio	Lower Upper
180 100	
182 140.8	46.9 140.7#
145 31.1	14.0 41.9





#95
Naphthalene
Concen: 2.133 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD079303.D
Acq: 01 Jul 2024 18:30

Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



Tgt Ion:	128	Resp:	3506
Ion	Ratio	Lower	Upper
128	100		
127	23.7	10.2	15.4#
129	10.0	8.5	12.7

