

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079753.D
 Acq On : 30 Aug 2024 13:23
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 31 04:42:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

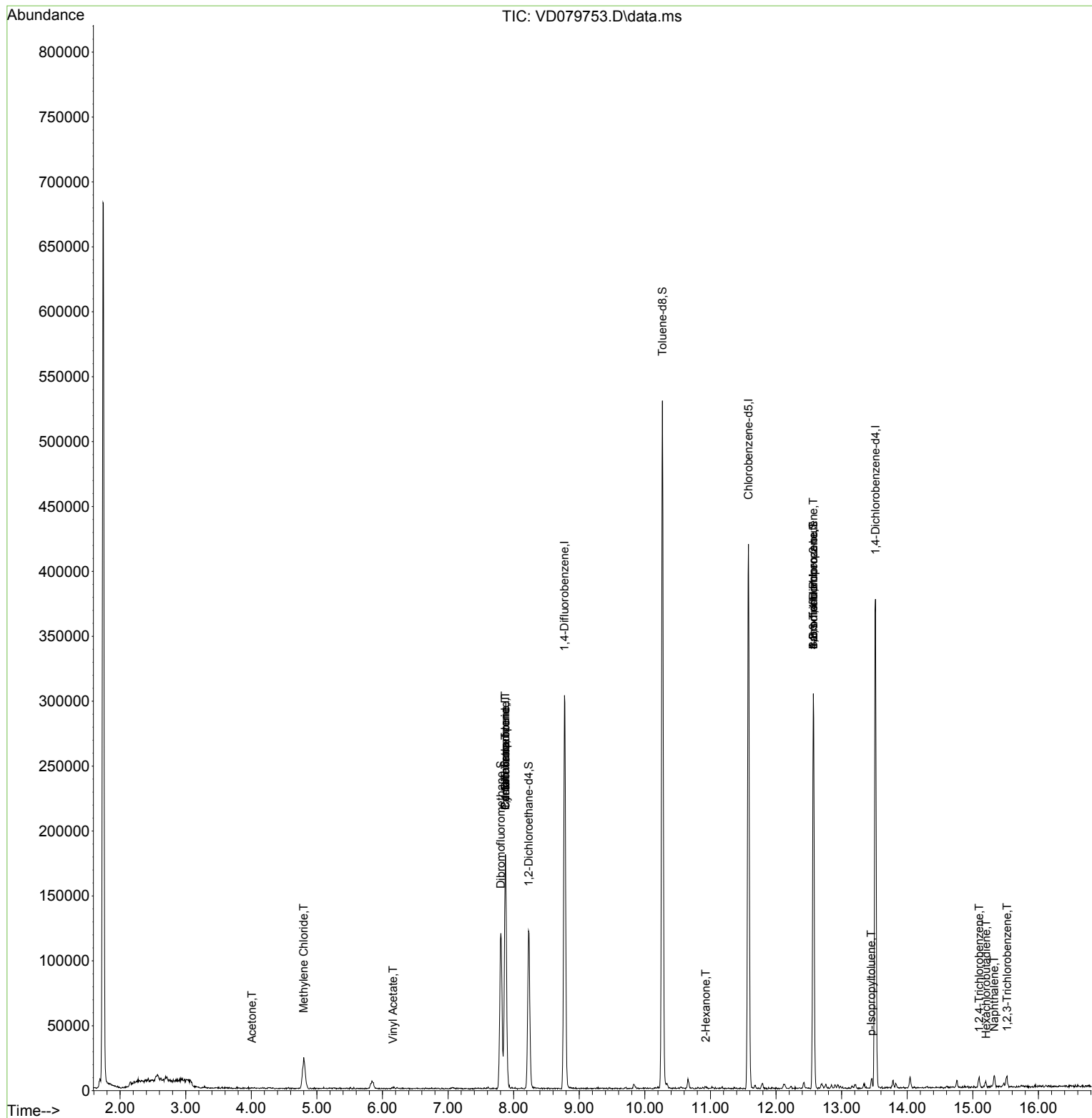
Internal Standards						
1) Pentafluorobenzene	7.875	168	126810	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	262084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	99839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93918	54.318	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.804	113	89103	52.305	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.600%			
50) Toluene-d8	10.269	98	365229	49.990	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.569	95	93925	45.945	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.900%			
Target Compounds						
						Qvalue
16) Acetone	4.010	43	523	1.458	ug/l	# 37
20) Methylene Chloride	4.799	84	17181	5.671	ug/l	# 87
23) Vinyl Acetate	6.163	43	538	2.705	ug/l	# 63
31) Cyclohexane	7.875	56	3806	1.317	ug/l	# 43
36) 1,1-Dichloropropene	7.875	75	12042	4.769	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	14058	5.221	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.869	63	111	Below Cal	#	42
59) 2-Hexanone	10.928	43	1098	21.434	ug/l	91
71) Bromoform	12.569	173	1074	1.249	ug/l	# 1
76) 1,2,3-Trichloropropane	12.569	75	49494	58.002	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	49494	96.741	ug/l	# 19
86) p-Isopropyltoluene	13.451	119	2132	4.019	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	2525	1.581	ug/l	98
94) Hexachlorobutadiene	15.204	225	930	1.211	ug/l	93
95) Naphthalene	15.328	128	8305	2.563	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	3081	2.208	ug/l	98

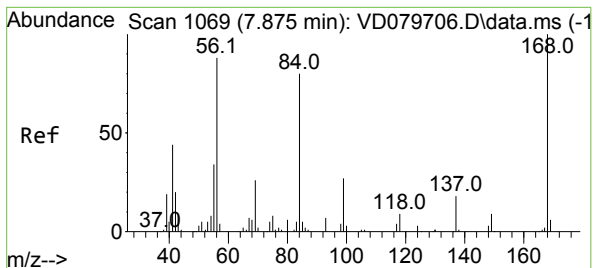
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
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QLast Update : Fri Aug 30 15:57:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

Instrument :

MSVOA_D

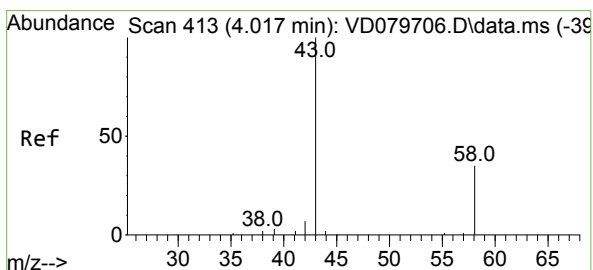
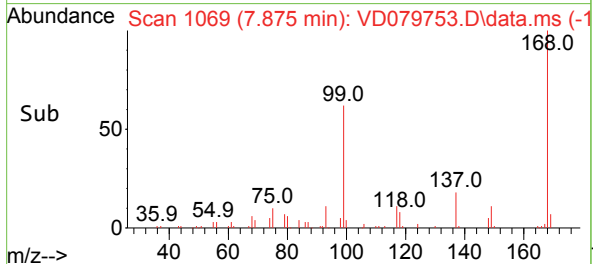
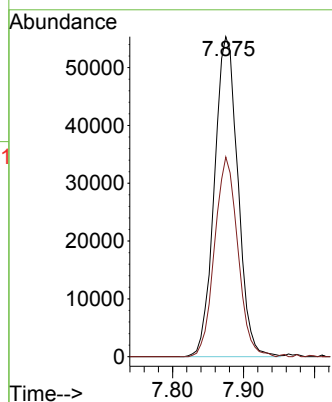
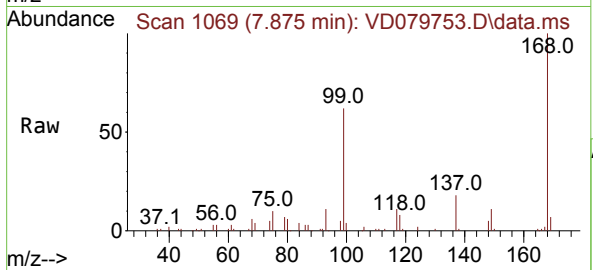
ClientSampleId :

Tgt Ion:168 Resp: 126810

Ion Ratio Lower Upper

168 100

99 62.4 41.1 61.7#



#16

Acetone

Concen: 1.458 ug/l

RT: 4.010 min Scan# 412

Delta R.T. -0.007 min

Lab File: VD079753.D

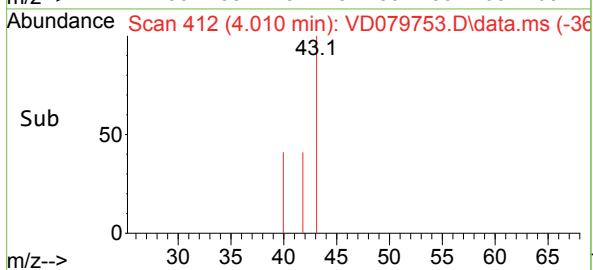
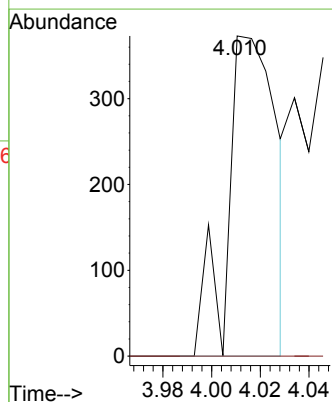
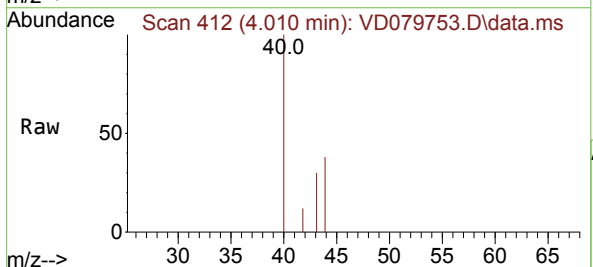
Acq: 30 Aug 2024 13:23

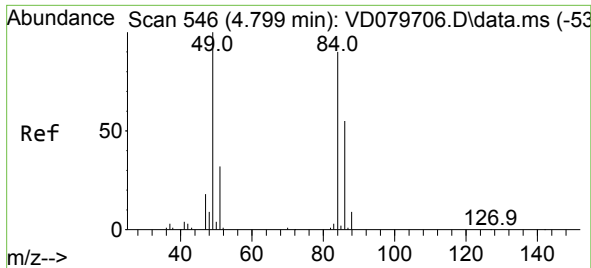
Tgt Ion: 43 Resp: 523

Ion Ratio Lower Upper

43 100

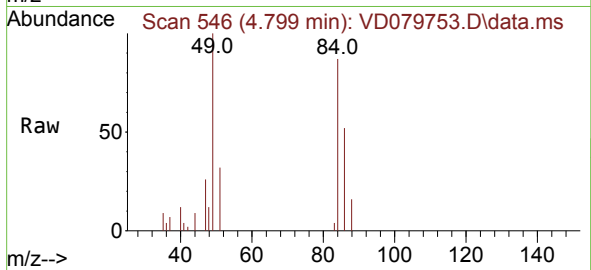
58 0.0 30.4 45.6#



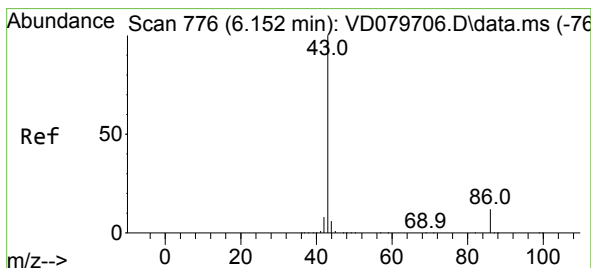
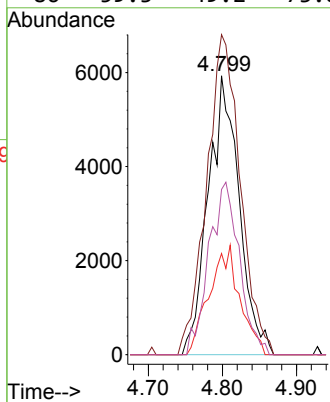
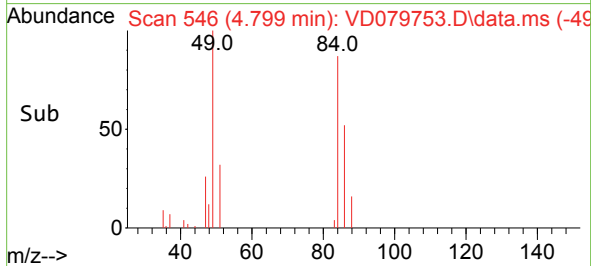


#20
Methylene Chloride
Concen: 5.671 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Instrument :
MSVOA_D
ClientSampleId :

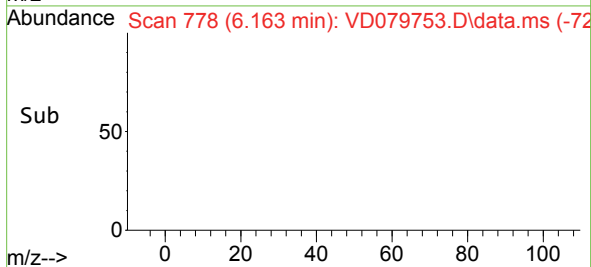
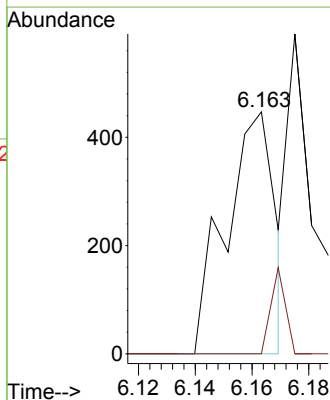
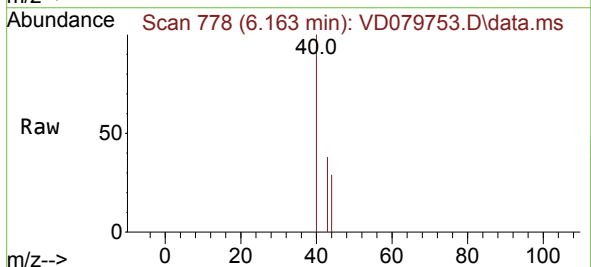


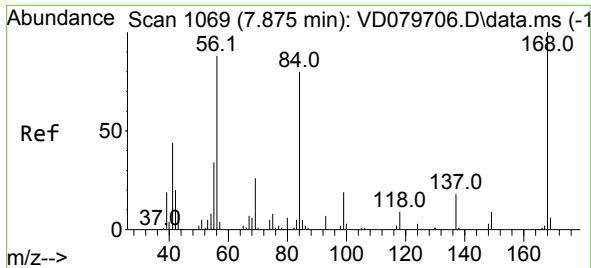
Tgt Ion:	84	Resp:	17181
Ion	Ratio	Lower	Upper
84	100		
49	114.8	75.6	113.4#
51	36.3	24.2	36.2#
86	59.3	49.2	73.8



#23
Vinyl Acetate
Concen: 2.705 ug/l
RT: 6.163 min Scan# 778
Delta R.T. 0.011 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

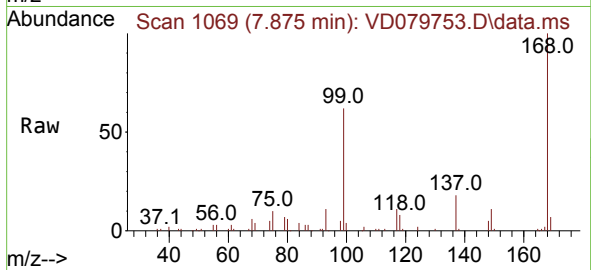
Tgt Ion:	43	Resp:	538
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.3	18.5#



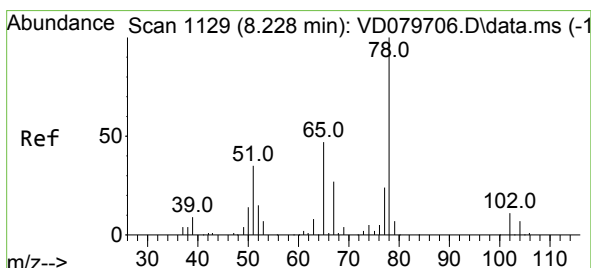
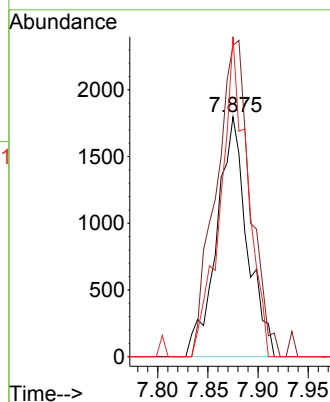
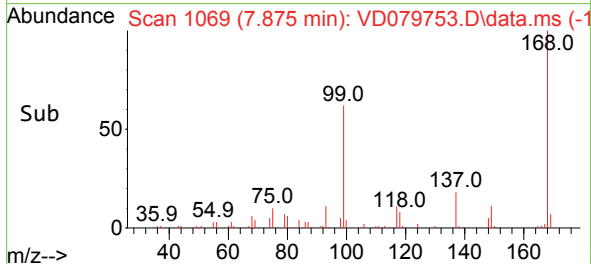


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Instrument :
MSVOA_D
ClientSampleId :

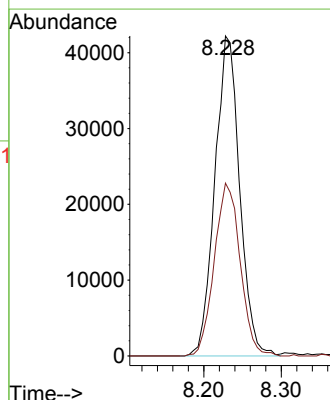
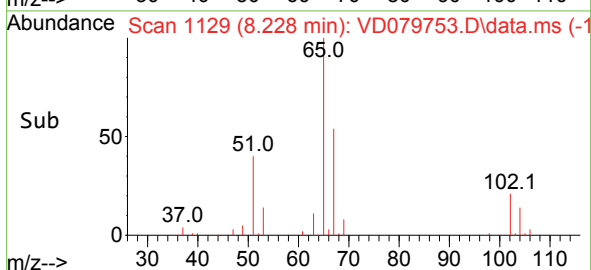
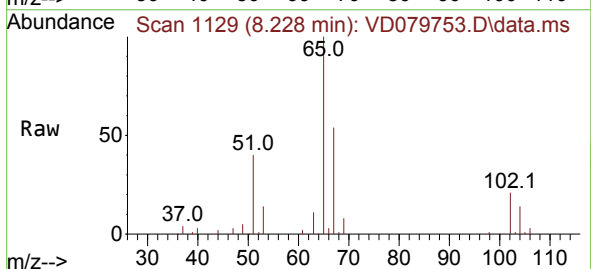


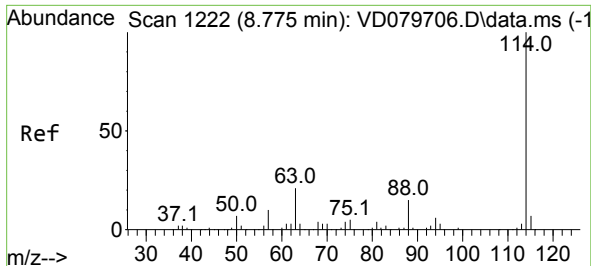
Tgt Ion: 56 Resp: 3806
Ion Ratio Lower Upper
56 100
69 129.8 28.0 42.0#
84 133.4 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 54.318 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Tgt Ion: 65 Resp: 93918
Ion Ratio Lower Upper
65 100
67 56.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

Instrument :

MSVOA_D

ClientSampleId :

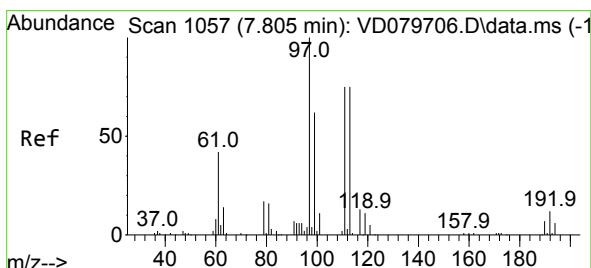
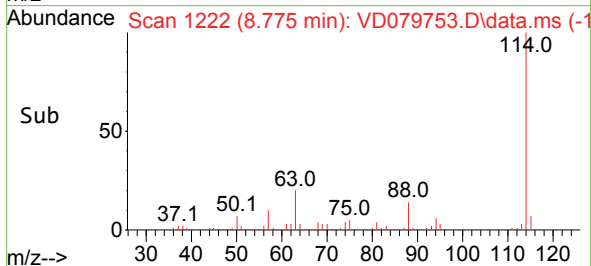
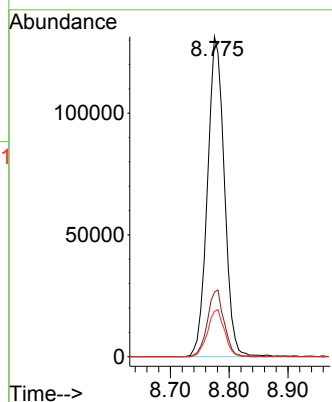
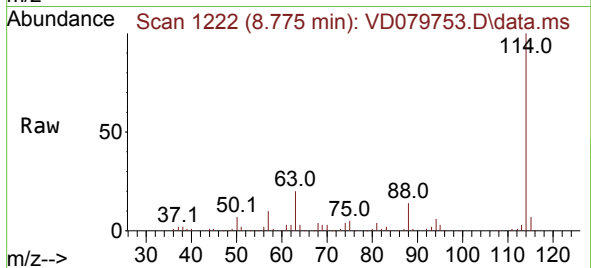
Tgt Ion:114 Resp: 262084

Ion Ratio Lower Upper

114 100

63 20.2 0.0 34.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.305 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

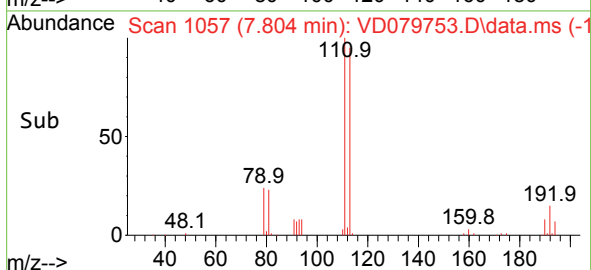
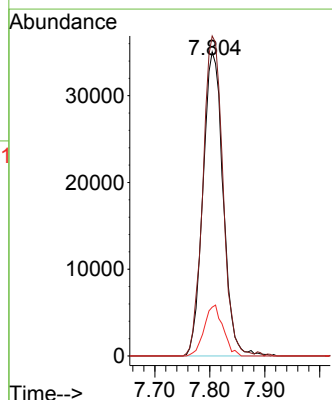
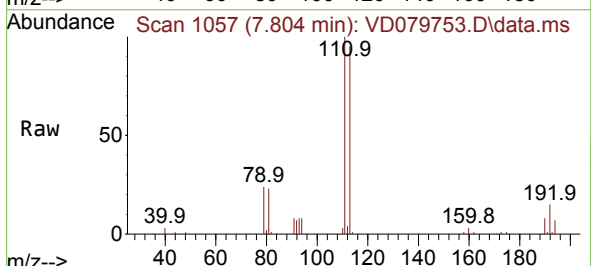
Tgt Ion:113 Resp: 89103

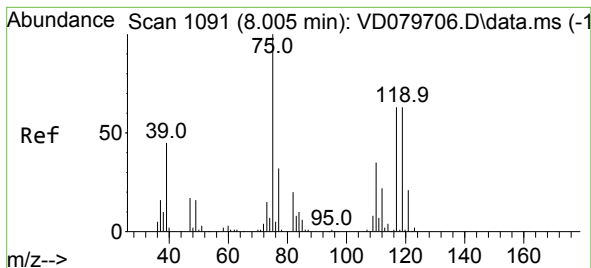
Ion Ratio Lower Upper

113 100

111 104.3 84.0 126.0

192 15.7 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

Instrument :

MSVOA_D

ClientSampleId :

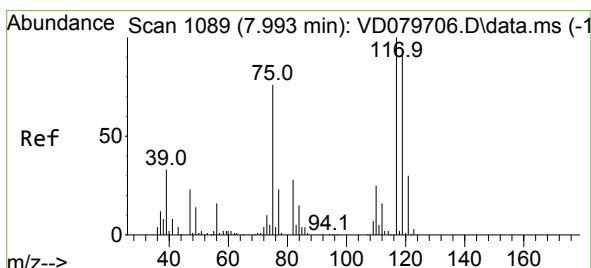
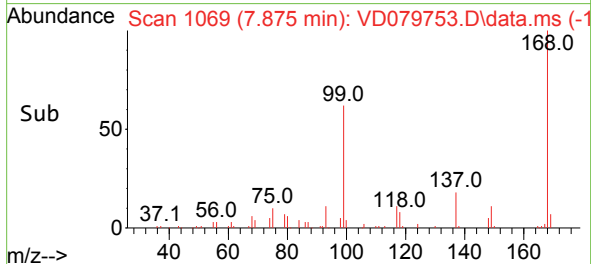
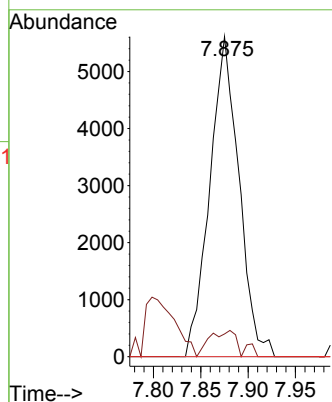
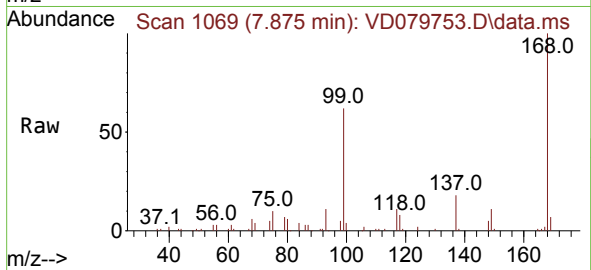
Tgt Ion: 75 Resp: 12042

Ion Ratio Lower Upper

75 100

110 8.5 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.221 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

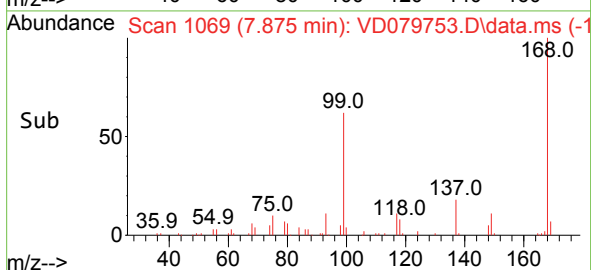
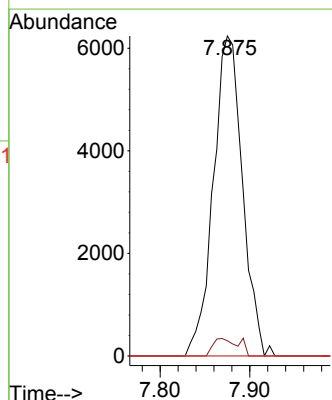
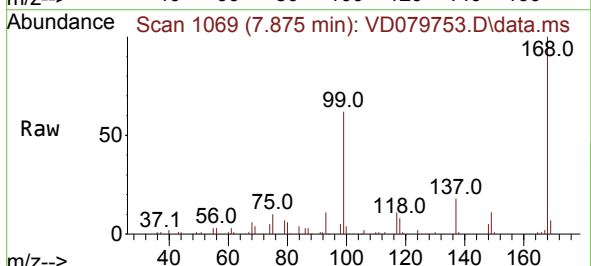
Tgt Ion: 117 Resp: 14058

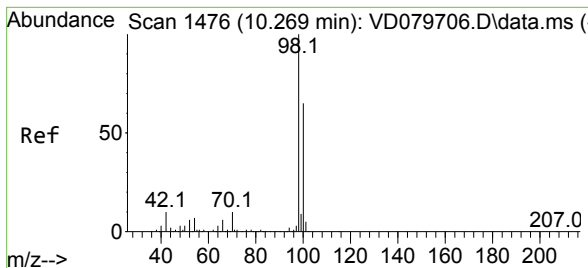
Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

121 0.0 25.0 37.4#

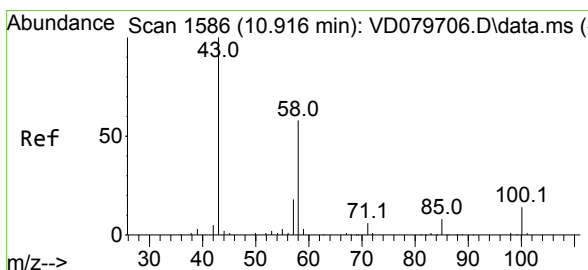
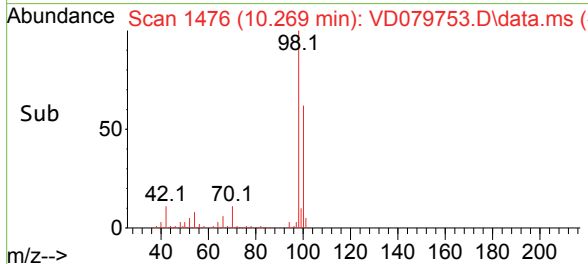
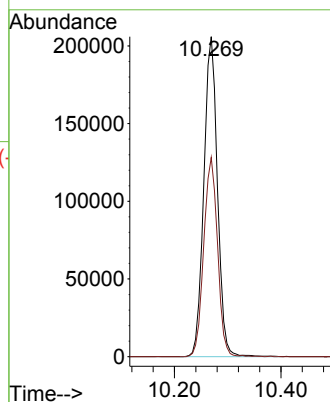
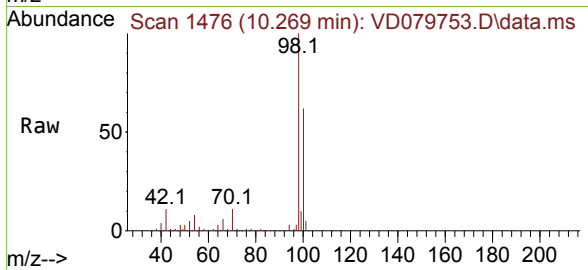




#50
Toluene-d8
Concen: 49.990 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

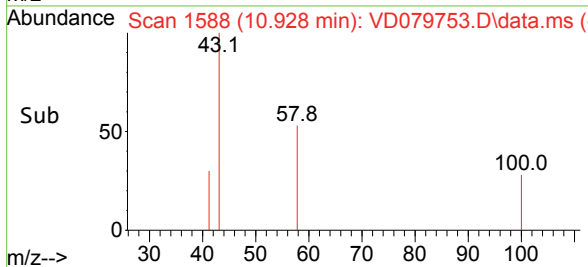
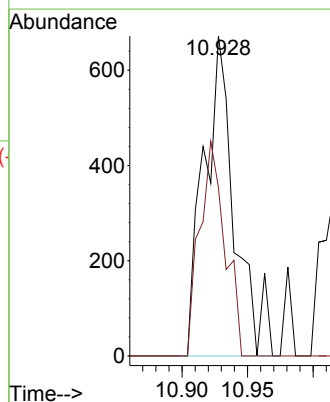
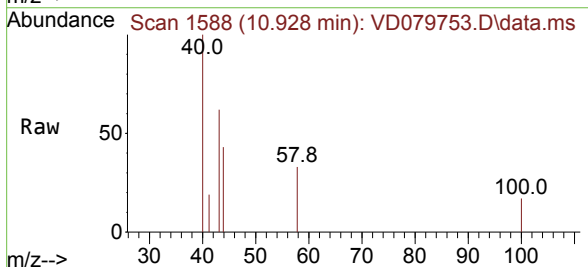
Instrument :
MSVOA_D
ClientSampleId :

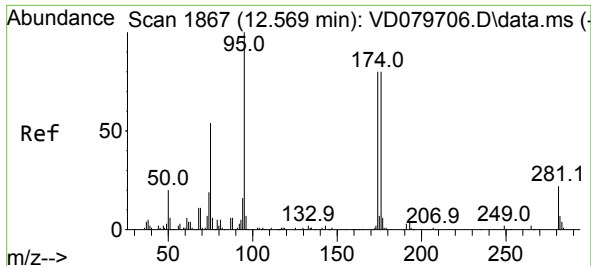
Tgt Ion: 98 Resp: 365229
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4



#59
2-Hexanone
Concen: 21.434 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 55.1 31.1 93.5

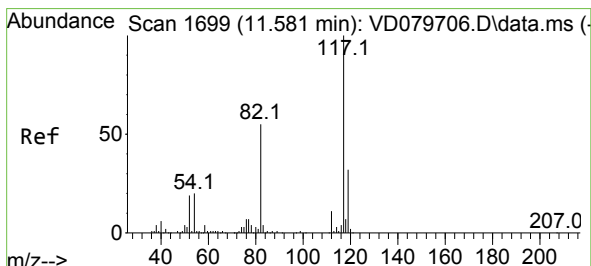
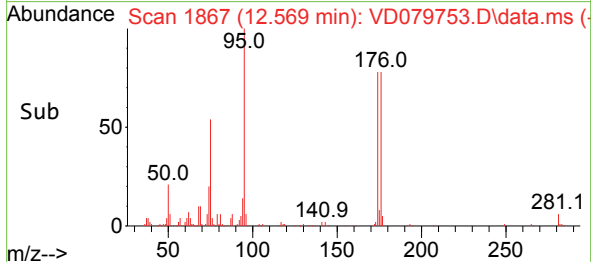
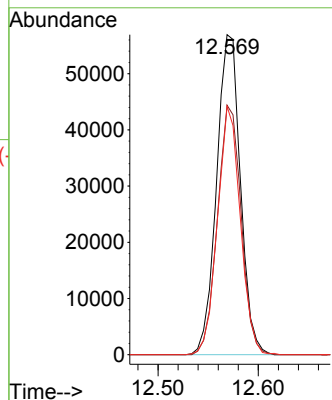
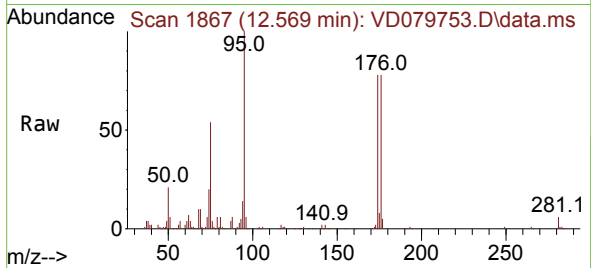




#62
4-Bromofluorobenzene
Concen: 45.945 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

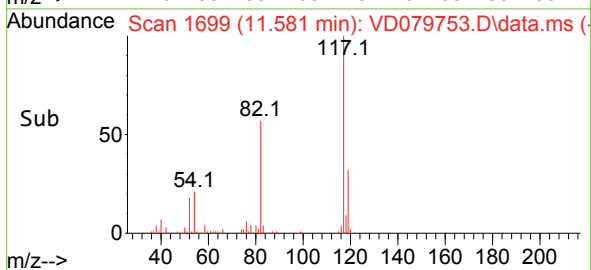
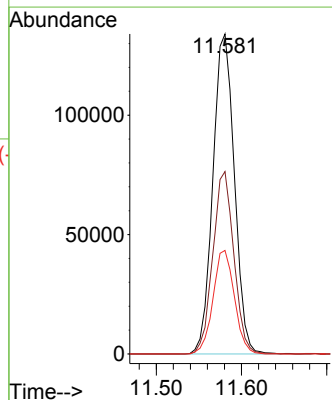
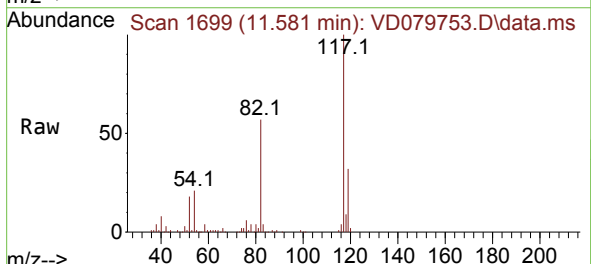
Instrument :
MSVOA_D
ClientSampleId :

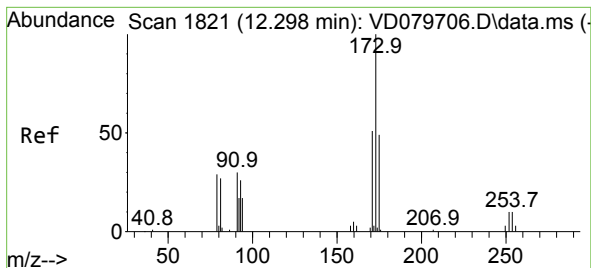
Tgt Ion:	95	Resp:	93925
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	195.4
176	74.4	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Tgt Ion:	117	Resp:	235303
Ion Ratio	Lower	Upper	
117	100		
82	57.0	39.8	59.6
119	32.3	25.7	38.5





#71

Bromoform

Concen: 1.249 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.270 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

Instrument :

MSVOA_D

ClientSampleId :

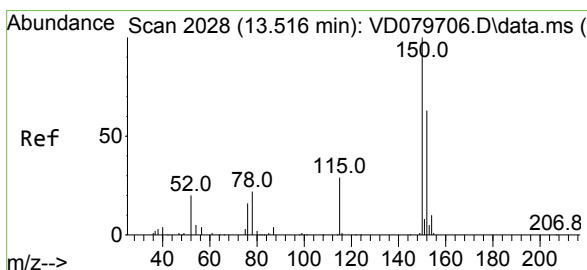
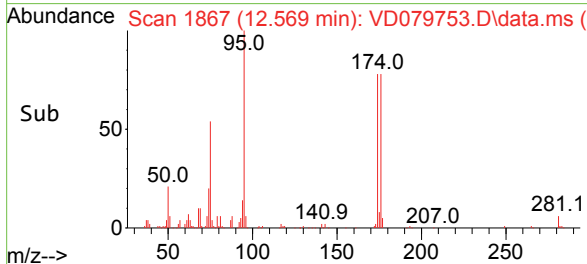
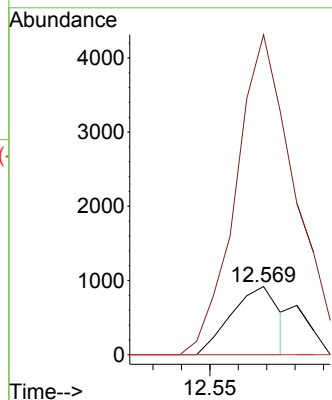
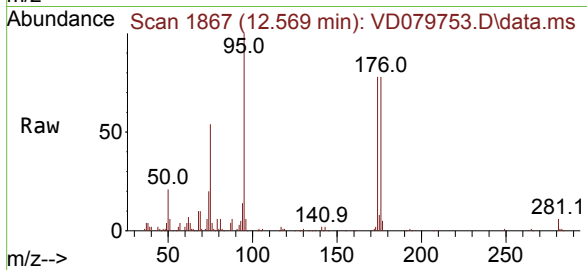
Tgt Ion:173 Resp: 1074

Ion Ratio Lower Upper

173 100

175 447.3 23.7 71.1#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

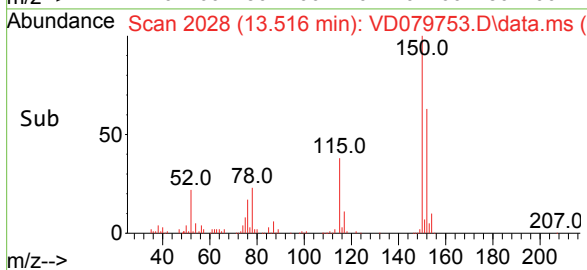
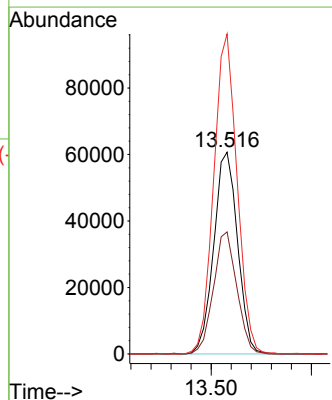
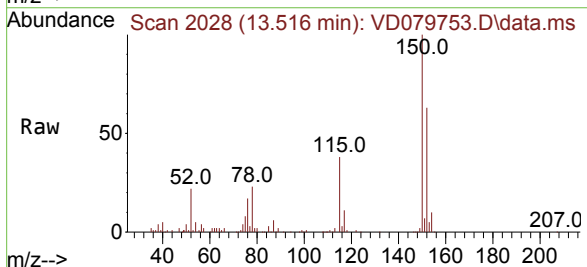
Tgt Ion:152 Resp: 99839

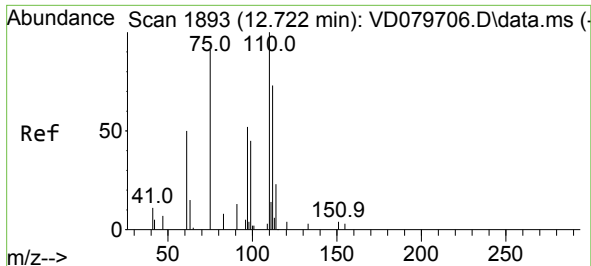
Ion Ratio Lower Upper

152 100

115 59.4 26.5 79.5

150 155.3 0.0 341.6

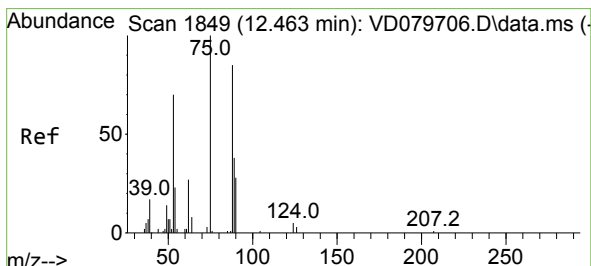
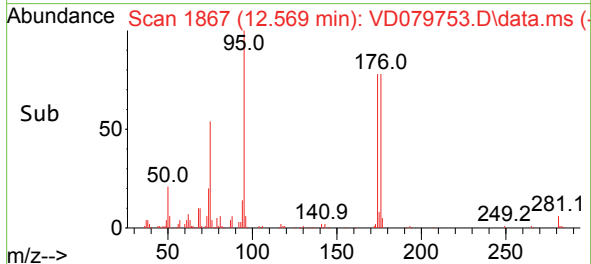
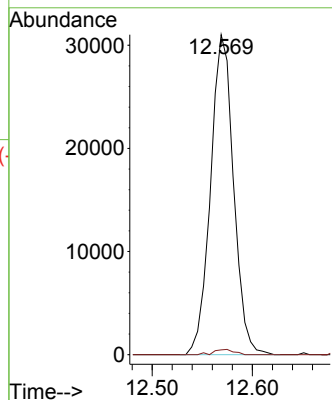
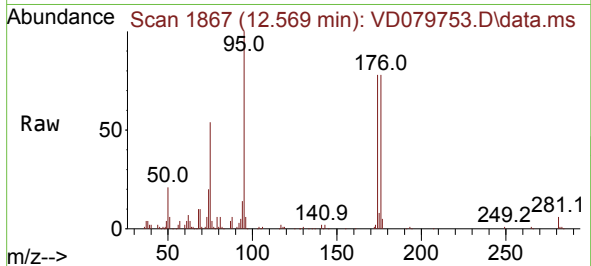




#76
1,2,3-Trichloropropane
Concen: 58.002 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

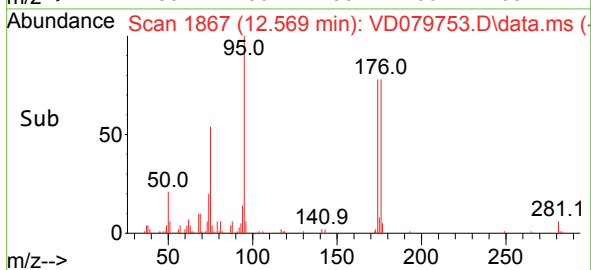
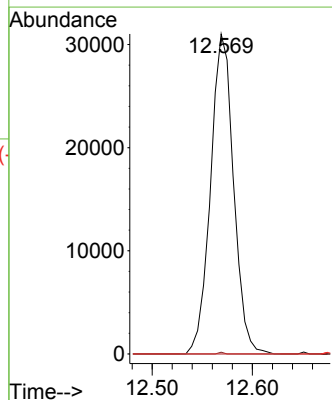
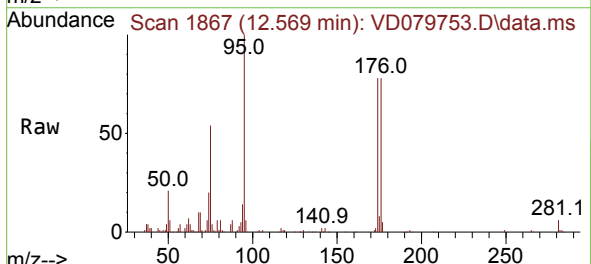
Instrument :
MSVOA_D
ClientSampleId :

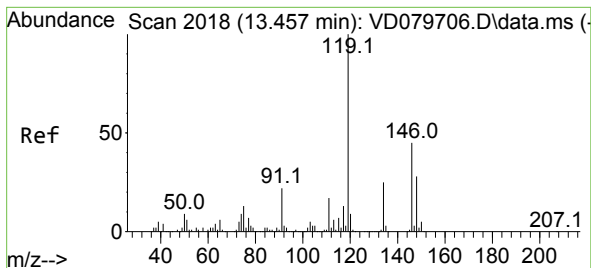
Tgt Ion: 75 Resp: 49494
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.741 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Tgt Ion: 75 Resp: 49494
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

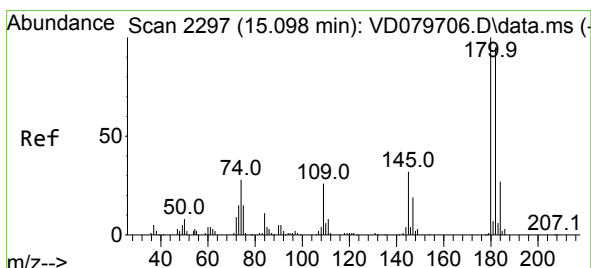
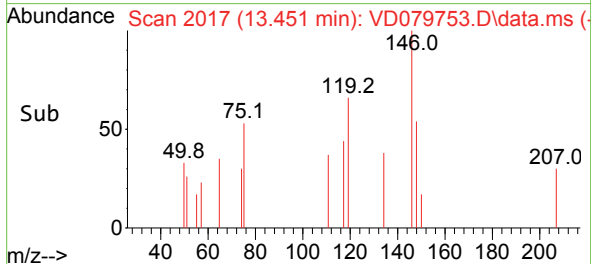
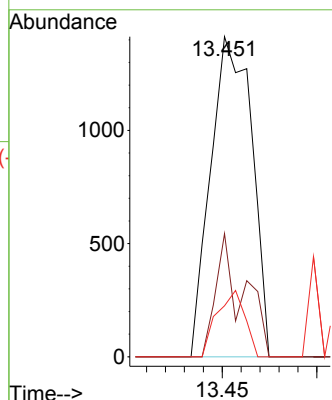
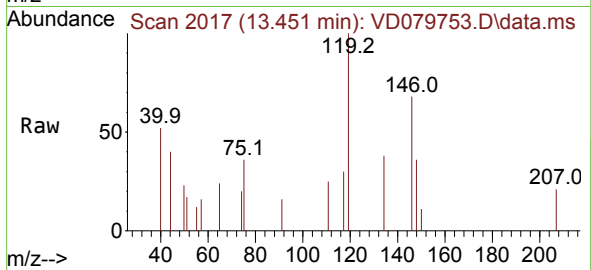




#86
p-Isopropyltoluene
Concen: 4.019 ug/l
RT: 13.451 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

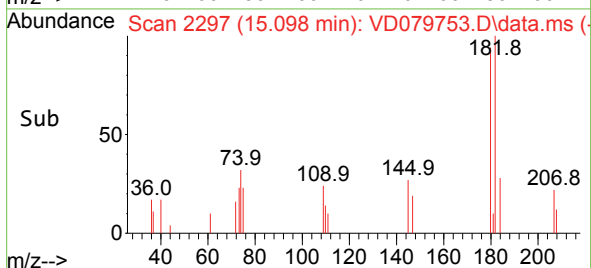
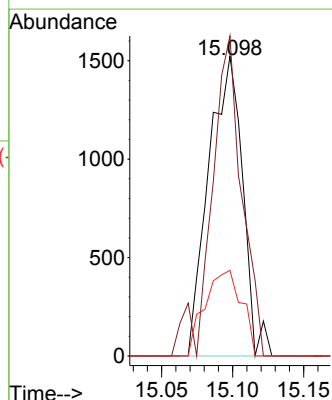
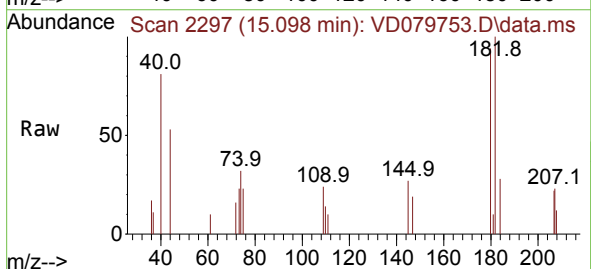
Instrument :
MSVOA_D
ClientSampleId :

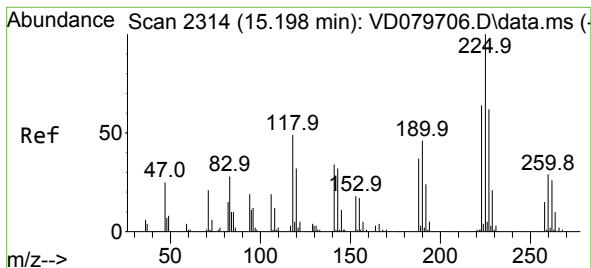
Tgt Ion:119 Resp: 2132
Ion Ratio Lower Upper
119 100
134 25.8 13.7 41.1
91 14.1 10.7 32.1



#93
1,2,4-Trichlorobenzene
Concen: 1.581 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD079753.D
Acq: 30 Aug 2024 13:23

Tgt Ion:180 Resp: 2525
Ion Ratio Lower Upper
180 100
182 95.1 46.9 140.7
145 30.9 14.0 41.9





#94

Hexachlorobutadiene

Concen: 1.211 ug/l

RT: 15.204 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD079753.D

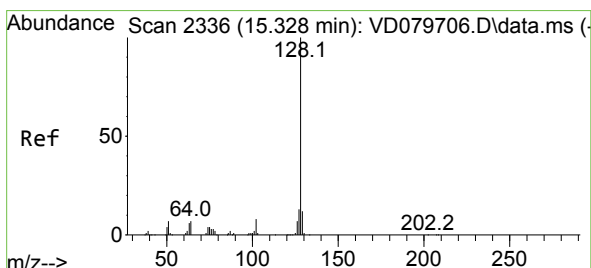
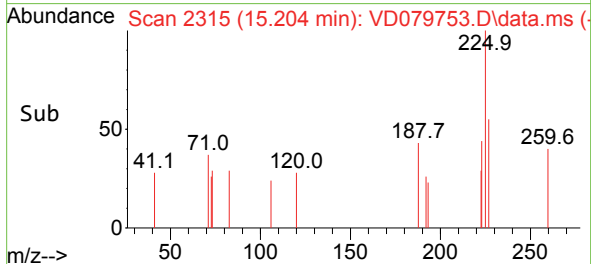
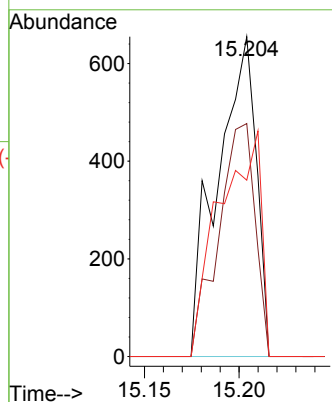
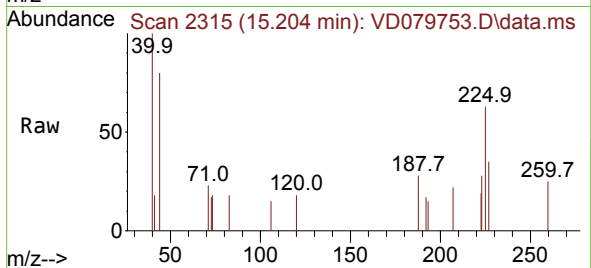
Acq: 30 Aug 2024 13:23

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:225	Resp:	930
Ion Ratio	Lower	Upper
225	100	
223	68.8	33.3 99.9
227	75.7	33.6 100.6



#95

Naphthalene

Concen: 2.563 ug/l

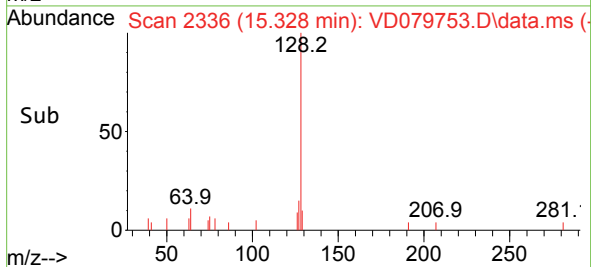
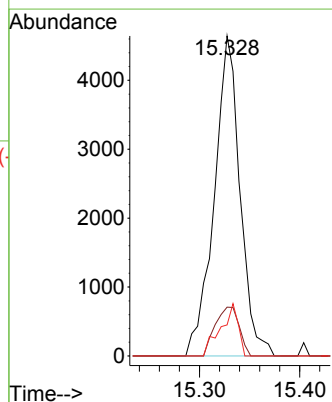
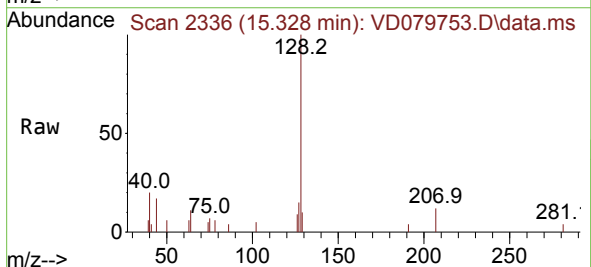
RT: 15.328 min Scan# 2336

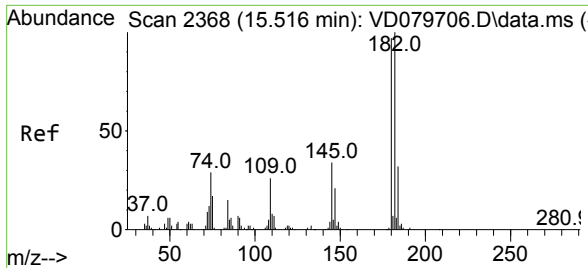
Delta R.T. -0.000 min

Lab File: VD079753.D

Acq: 30 Aug 2024 13:23

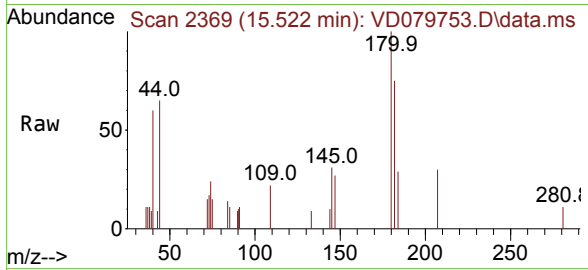
Tgt Ion:128	Resp:	8305
Ion Ratio	Lower	Upper
128	100	
127	15.3	10.2 15.4
129	9.7	8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 2.208 ug/l
 RT: 15.522 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD079753.D
 Acq: 30 Aug 2024 13:23

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	3081
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	28.4	16.1	48.2

