

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072624\
 Data File : VD079417.D
 Acq On : 26 Jul 2024 19:32
 Operator : RP/MD
 Sample : P3367-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 03:37:41 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)

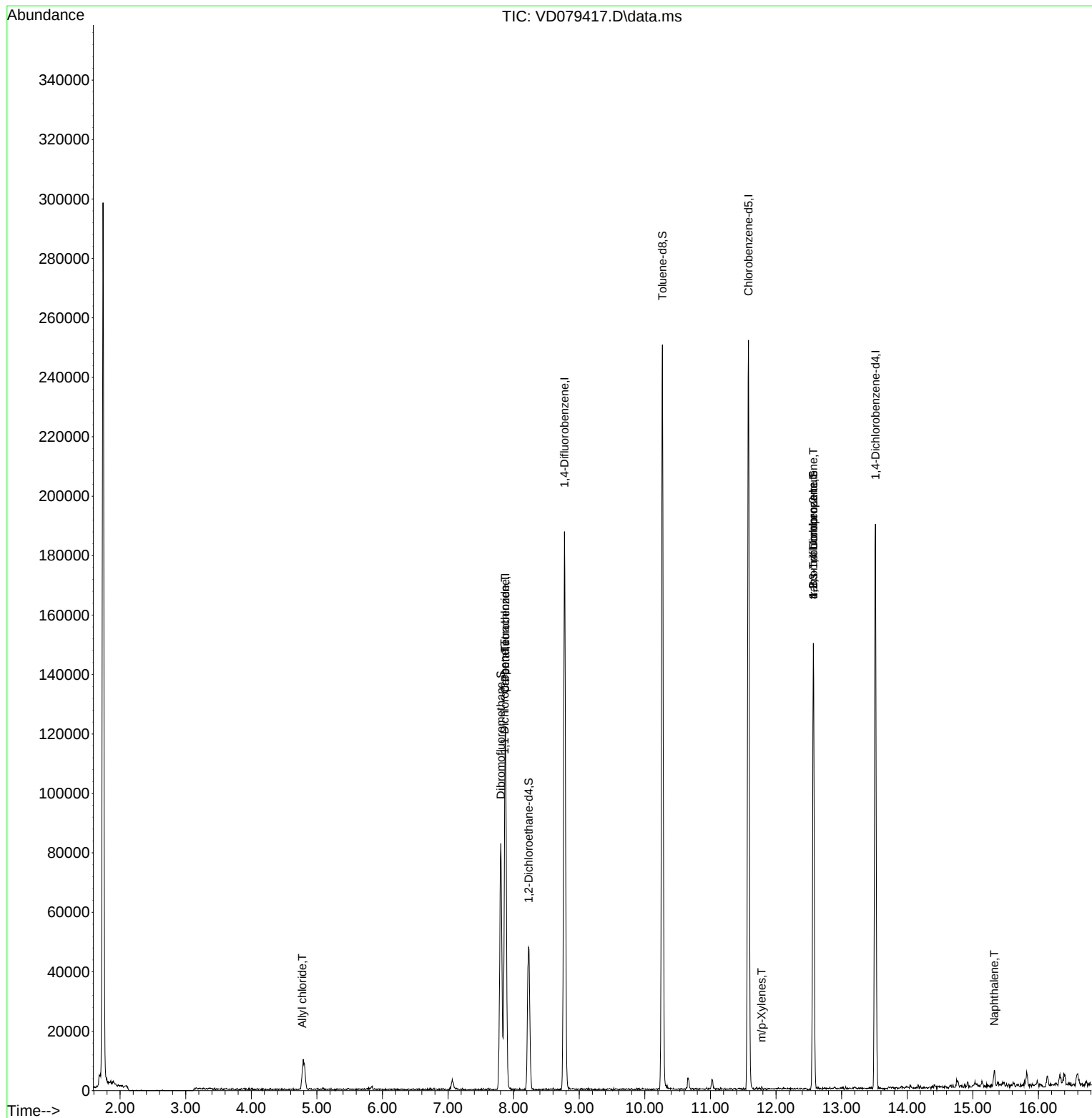
Internal Standards						
1) Pentafluorobenzene	7.875	168	101216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	186713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	168412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	40299	40.887	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.780%		
35) Dibromofluoromethane	7.804	113	60317	52.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.560%		
50) Toluene-d8	10.269	98	186707	41.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.780%		
62) 4-Bromofluorobenzene	12.569	95	50327	36.314	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.620%		
Target Compounds					Qvalue	
14) Allyl chloride	4.775	41	70	2.602	ug/l #	17
20) Methylene Chloride	4.793	84	9250	Below Cal	#	83
31) Cyclohexane	7.869	56	1353	Below Cal	#	6
36) 1,1-Dichloropropene	7.863	75	6178	2.842	ug/l #	47
38) Carbon Tetrachloride	7.869	117	9585	3.157	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	472	Below Cal	#	1
68) m/p-Xylenes	11.781	106	101	1.466	ug/l #	60
76) 1,2,3-Trichloropropane	12.569	75	22120	38.316	ug/l #	100
78) n-propylbenzene	12.745	91	56	Below Cal	#	51
79) 2-Chlorotoluene	12.745	91	56	Below Cal	#	37
80) 1,3,5-Trimethylbenzene	12.904	105	85	Below Cal	#	26
81) trans-1,4-Dichloro-2-b...	12.569	75	22120	81.160	ug/l #	19
82) 4-Chlorotoluene	12.951	91	72	Below Cal	#	37
85) sec-Butylbenzene	13.345	105	91	Below Cal	#	56
87) 1,3-Dichlorobenzene	13.451	146	62	Below Cal	#	26
88) 1,4-Dichlorobenzene	13.528	146	133	Below Cal	#	1
90) Hexachloroethane	14.163	117	138	Below Cal	#	13
95) Naphthalene	15.327	128	5967	5.445	ug/l #	96

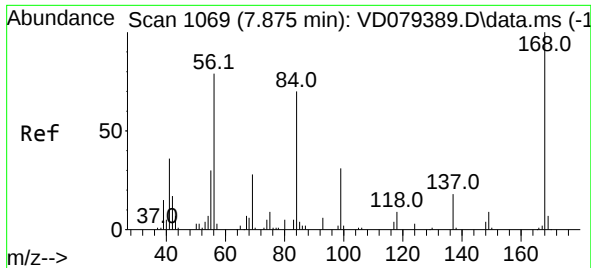
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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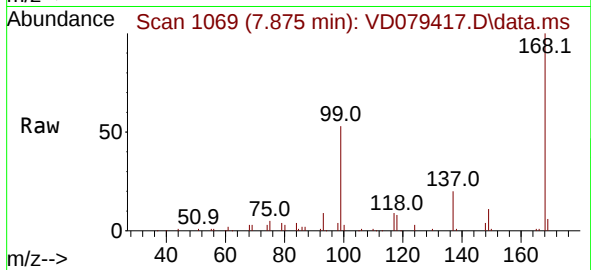
Quant Time: Jul 27 03:37:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 12:23:49 2024
Response via : Initial Calibration



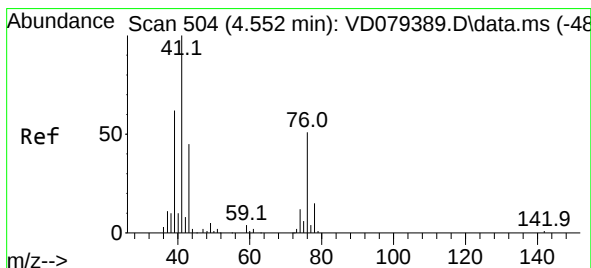
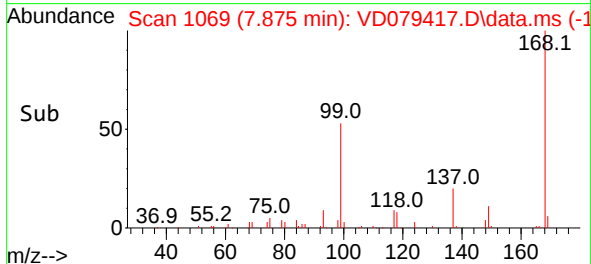
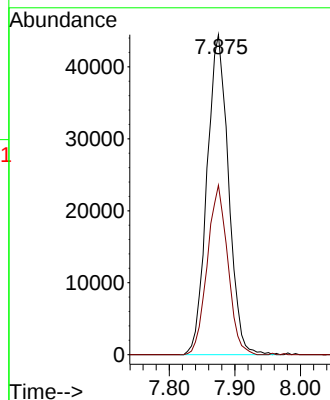


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

Instrument :
MSVOA_D
ClientSampleId :

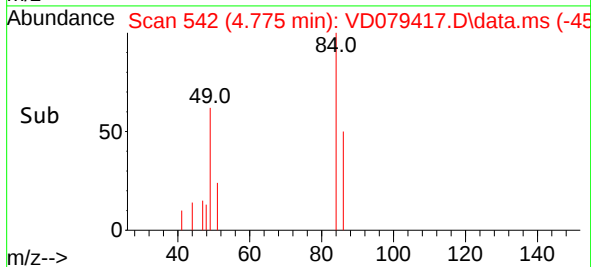
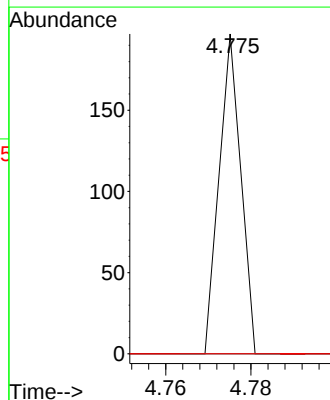
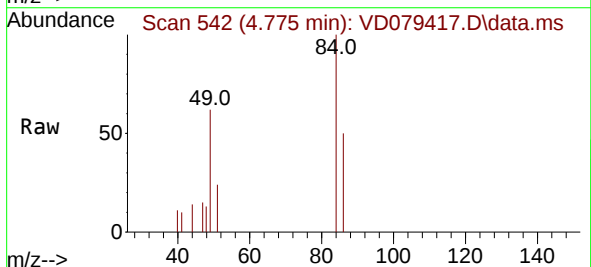


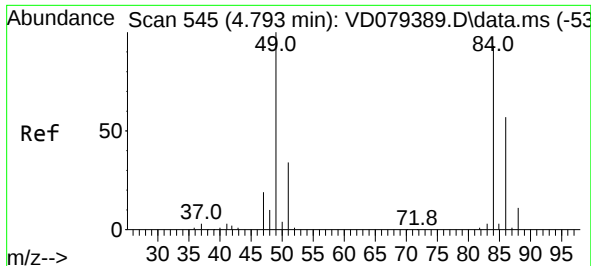
Tgt Ion:168 Resp: 101216
Ion Ratio Lower Upper
168 100
99 52.9 41.1 61.7



#14
Allyl chloride
Concen: 2.602 ug/l
RT: 4.775 min Scan# 542
Delta R.T. 0.217 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

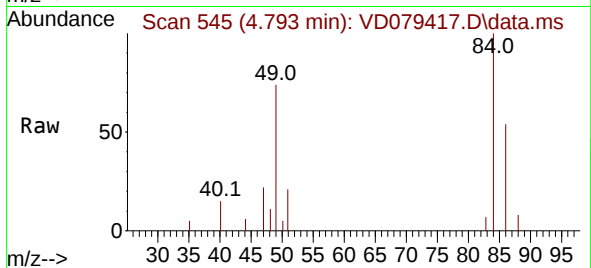
Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
39 0.0 58.0 87.0#
76 0.0 45.9 68.9#





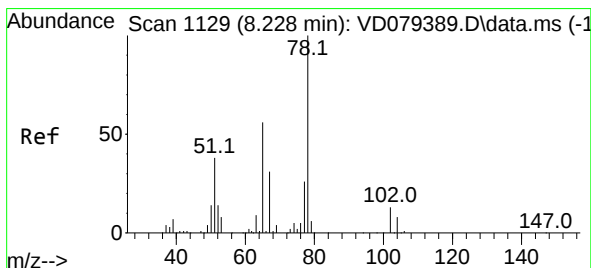
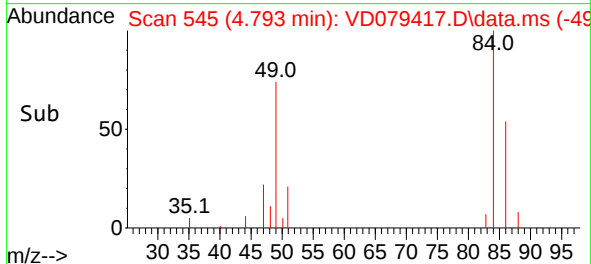
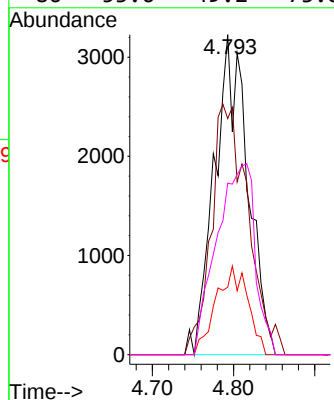
#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 9250

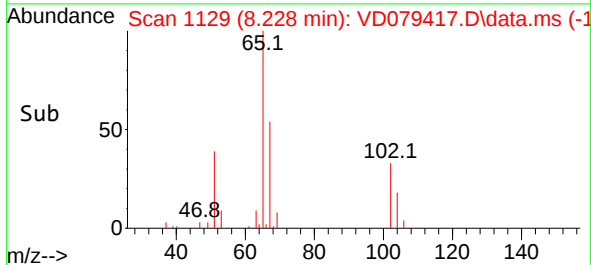
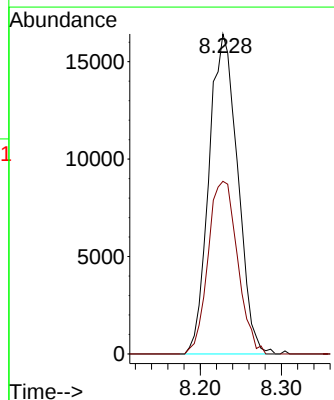
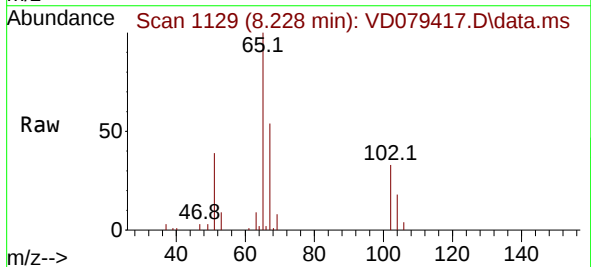
Ion	Ratio	Lower	Upper
84	100		
49	73.8	75.6	113.4#
51	21.1	24.2	36.2#
86	53.6	49.2	73.8

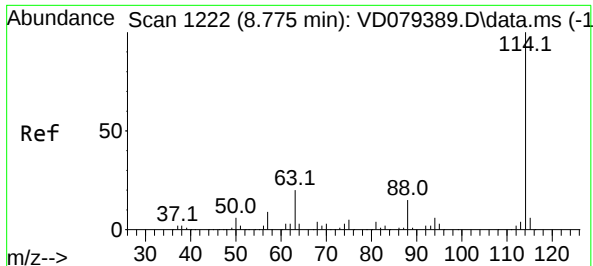


#33
1,2-Dichloroethane-d4
Concen: 40.887 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

Tgt Ion: 65 Resp: 40299

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

Instrument :

MSVOA_D

ClientSampleId :

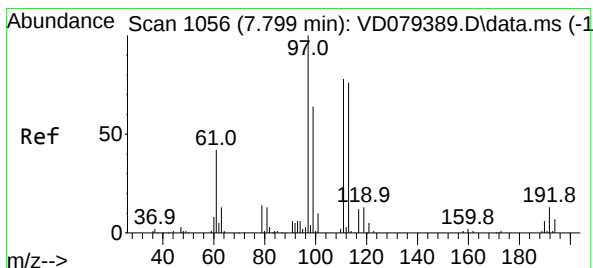
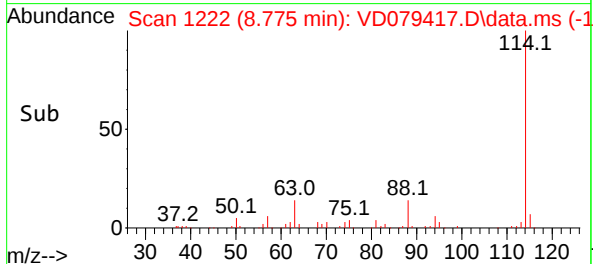
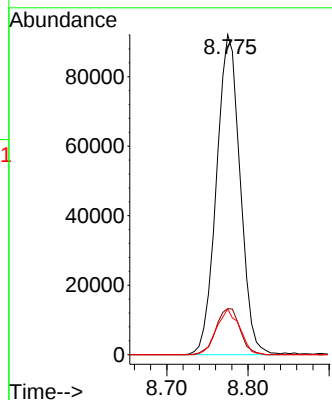
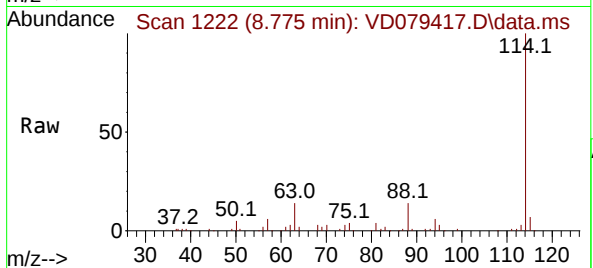
Tgt Ion:114 Resp: 186713

Ion Ratio Lower Upper

114 100

63 14.4 0.0 34.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.779 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

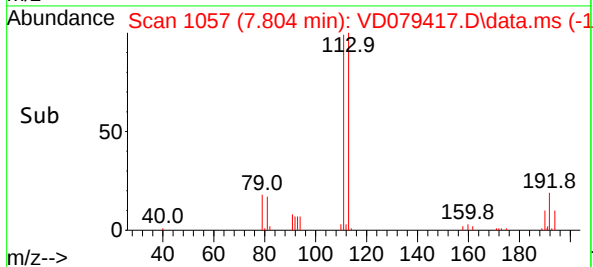
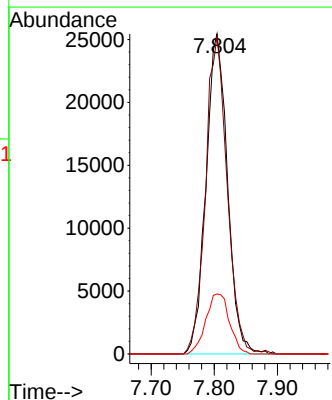
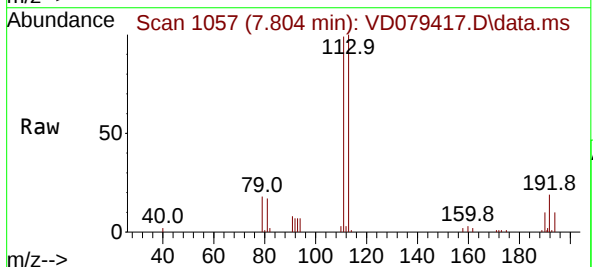
Tgt Ion:113 Resp: 60317

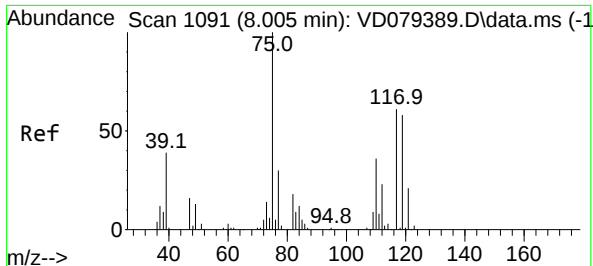
Ion Ratio Lower Upper

113 100

111 99.4 84.0 126.0

192 20.5 15.4 23.0





#36

1,1-Dichloropropene

Concen: 2.842 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

Instrument :

MSVOA_D

ClientSampleId :

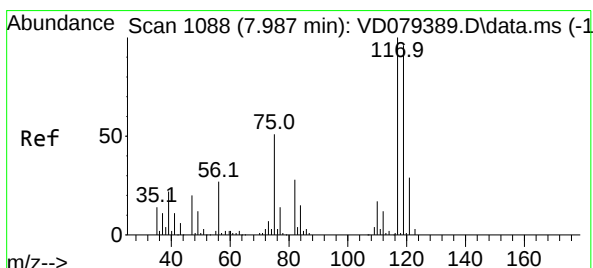
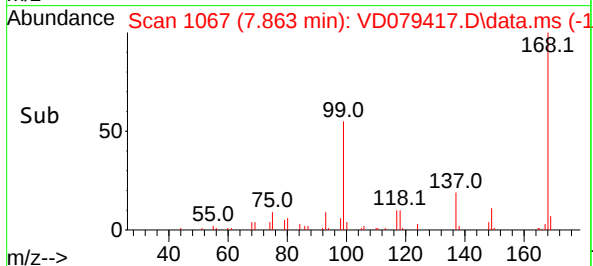
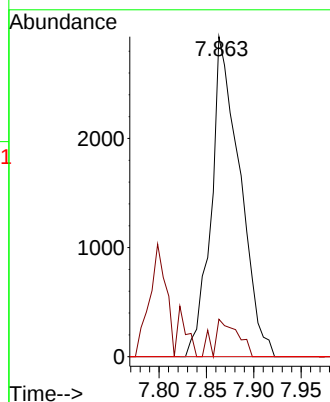
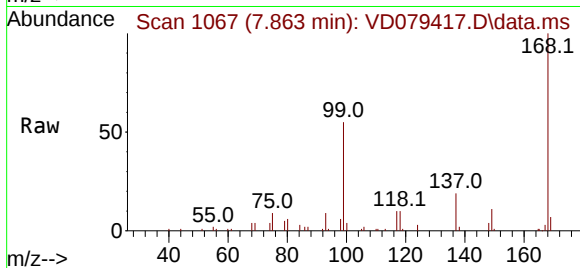
Tgt Ion: 75 Resp: 6178

Ion Ratio Lower Upper

75 100

110 9.7 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 3.157 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

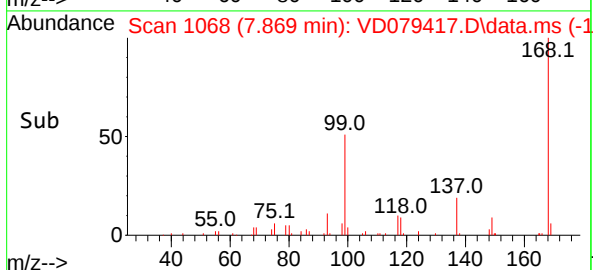
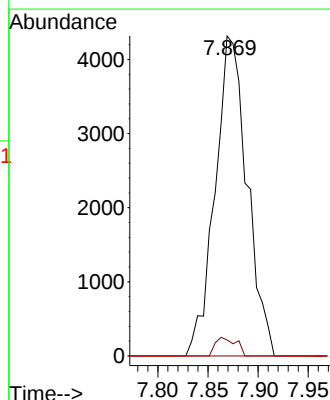
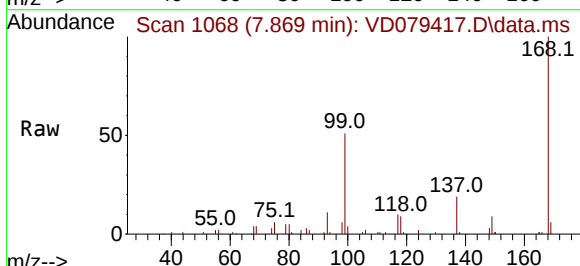
Tgt Ion: 117 Resp: 9585

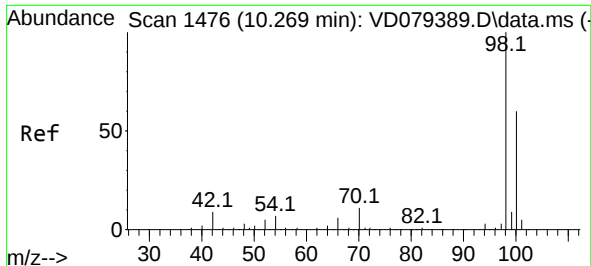
Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

121 0.0 25.0 37.4#

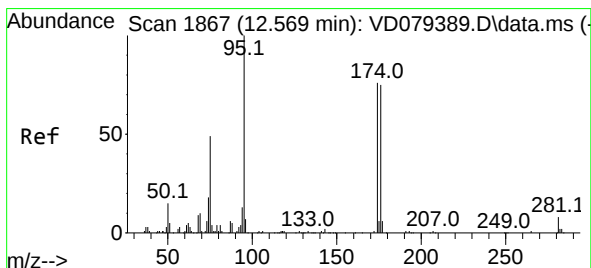
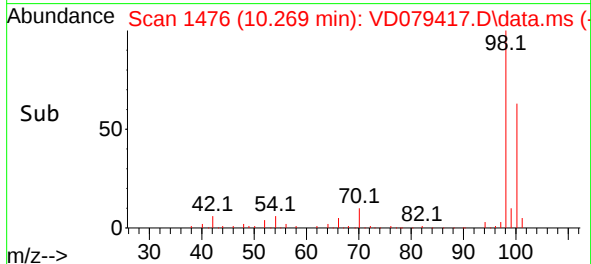
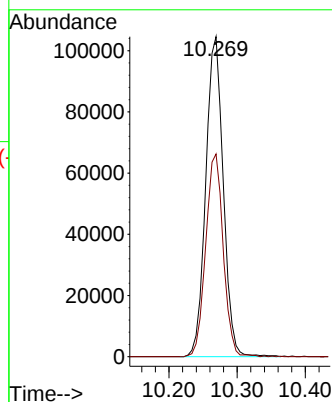
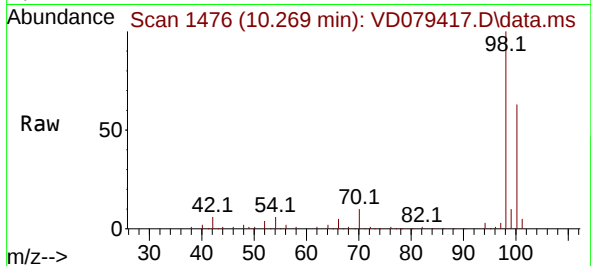




#50
Toluene-d8
Concen: 41.894 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

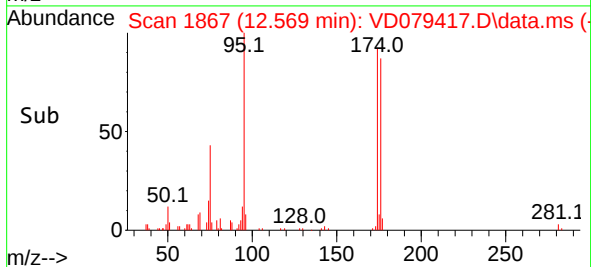
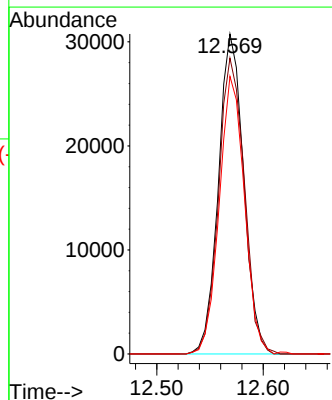
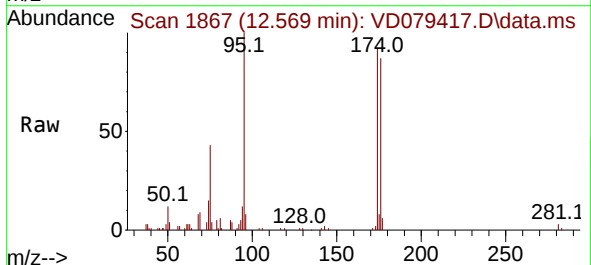
Instrument :
MSVOA_D
ClientSampleId :

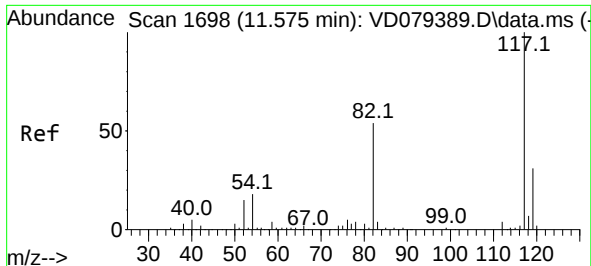
Tgt Ion: 98 Resp: 186707
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.314 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

Tgt Ion: 95 Resp: 50327
Ion Ratio Lower Upper
95 100
174 94.9 0.0 195.4
176 87.0 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

Instrument :

MSVOA_D

ClientSampleId :

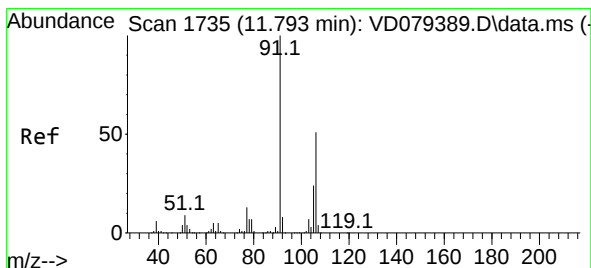
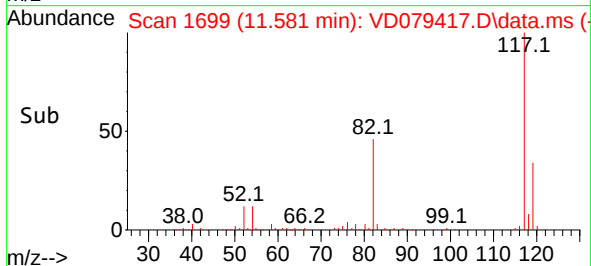
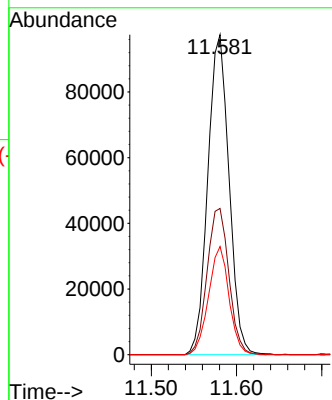
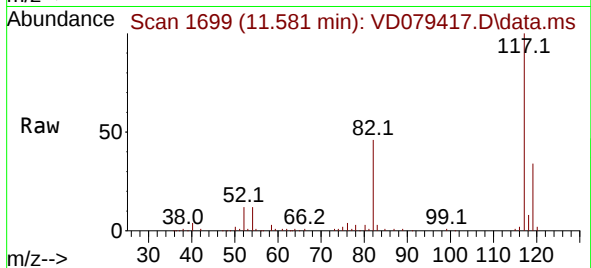
Tgt Ion:117 Resp: 168412

Ion Ratio Lower Upper

117 100

82 45.7 39.8 59.6

119 33.8 25.7 38.5



#68

m/p-Xylenes

Concen: 1.466 ug/l

RT: 11.781 min Scan# 1733

Delta R.T. -0.012 min

Lab File: VD079417.D

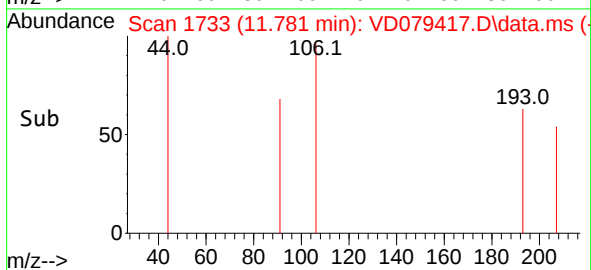
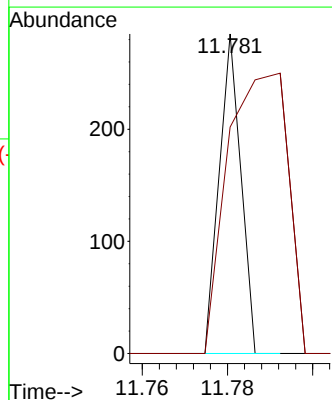
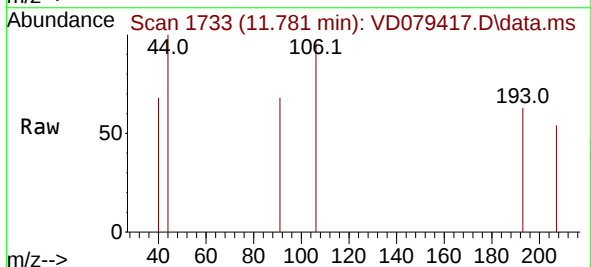
Acq: 26 Jul 2024 19:32

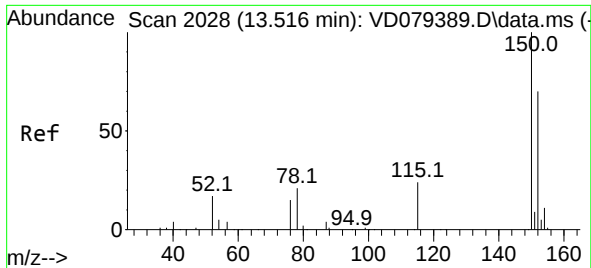
Tgt Ion:106 Resp: 101

Ion Ratio Lower Upper

106 100

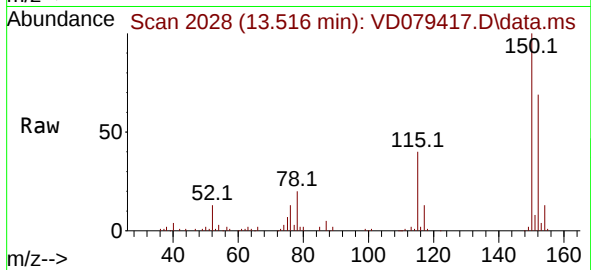
91 243.6 148.5 222.7#



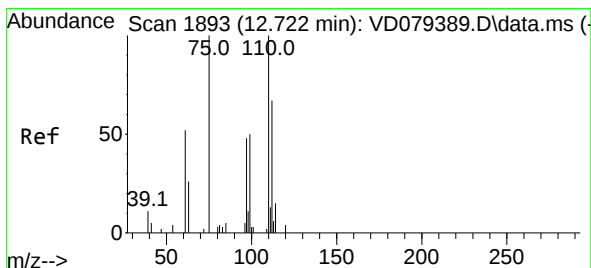
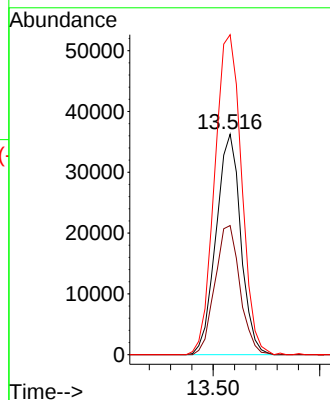
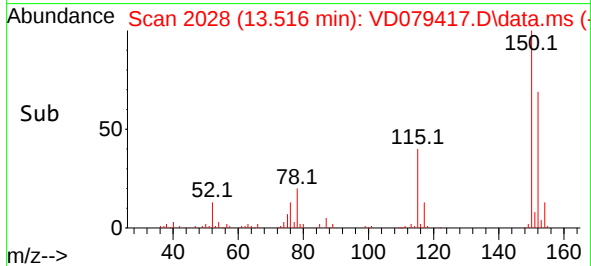


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD079417.D
 Acq: 26 Jul 2024 19:32

Instrument :
 MSVOA_D
 ClientSampleId :

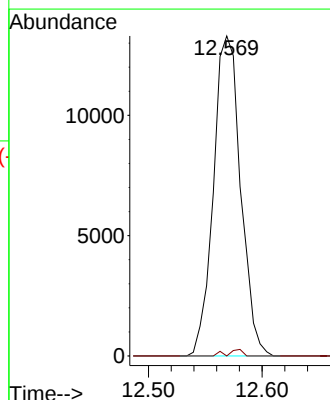
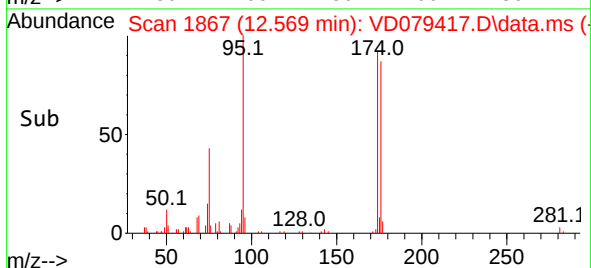
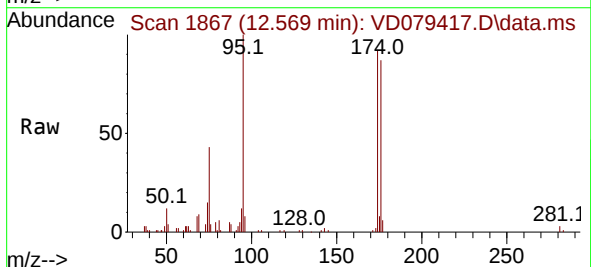


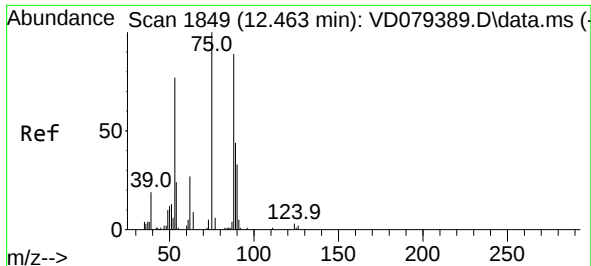
Tgt Ion:152 Resp: 58394
 Ion Ratio Lower Upper
 152 100
 115 59.2 26.5 79.5
 150 157.6 0.0 341.6



#76
 1,2,3-Trichloropropane
 Concen: 38.316 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD079417.D
 Acq: 26 Jul 2024 19:32

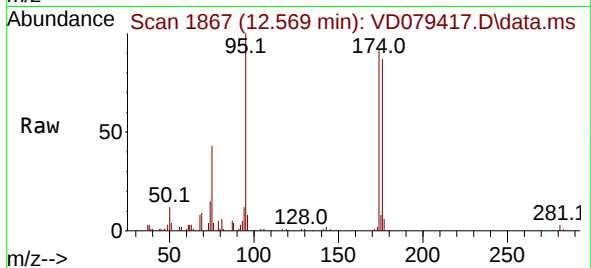
Tgt Ion: 75 Resp: 22120
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



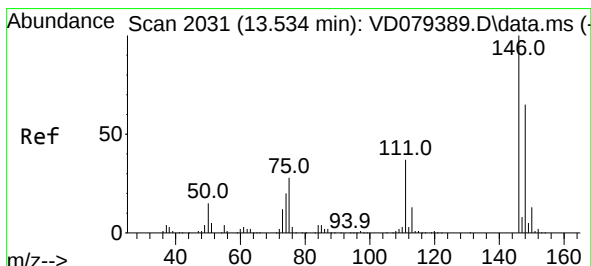
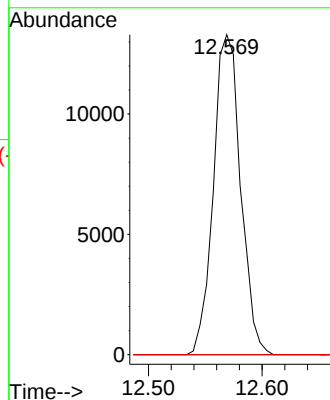
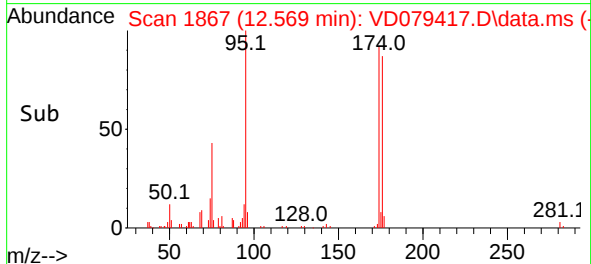


#81
trans-1,4-Dichloro-2-butene
Concen: 81.160 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.106 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32

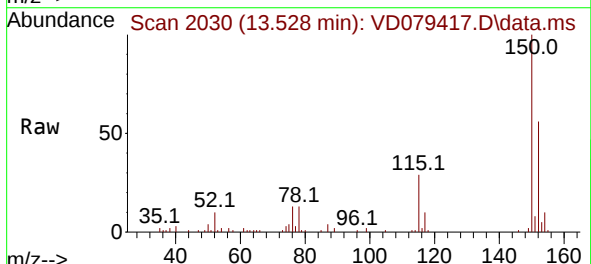
Instrument :
MSVOA_D
ClientSampleId :



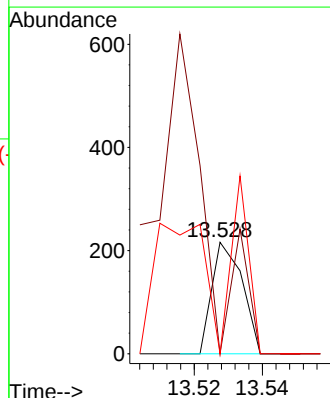
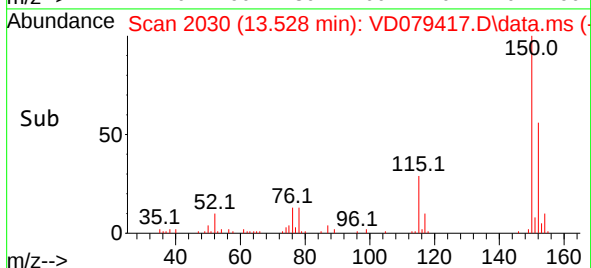
Tgt Ion: 75 Resp: 22120
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

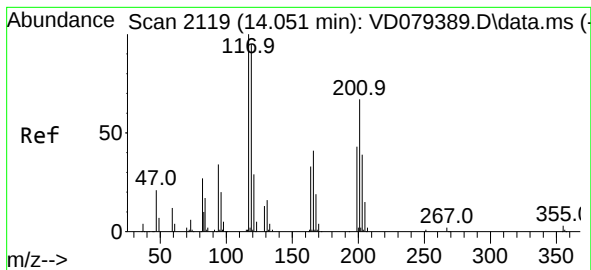


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.006 min
Lab File: VD079417.D
Acq: 26 Jul 2024 19:32



Tgt Ion:146 Resp: 133
Ion Ratio Lower Upper
146 100
111 460.9 17.5 52.6#
148 194.7 31.4 94.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.163 min Scan# 2119

Delta R.T. 0.111 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

Instrument :

MSVOA_D

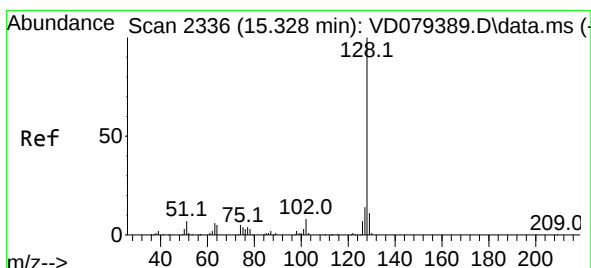
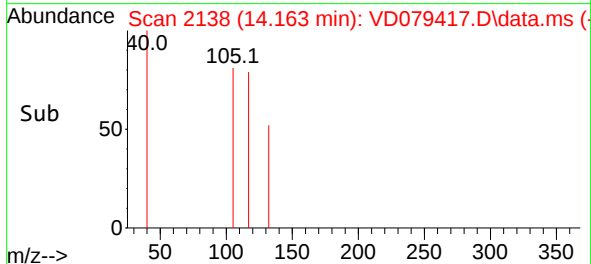
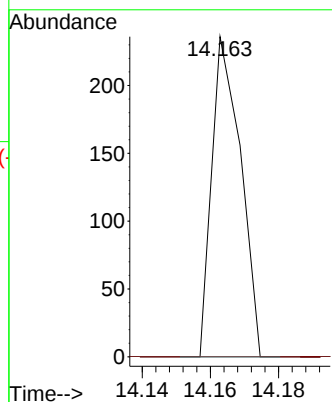
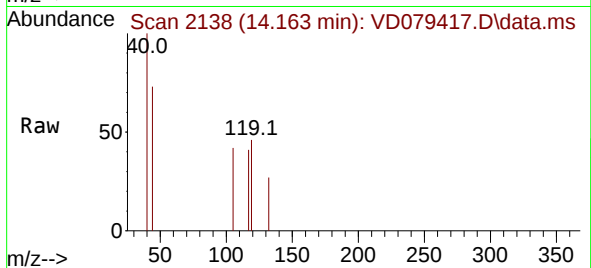
ClientSampleId :

Tgt Ion:117 Resp: 138

Ion Ratio Lower Upper

117 100

201 0.0 36.3 108.9#



#95

Naphthalene

Concen: 5.445 ug/l

RT: 15.327 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD079417.D

Acq: 26 Jul 2024 19:32

Tgt Ion:128 Resp: 5967

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 7.4 8.5 12.7#

