

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074929.D
 Acq On : 14 Nov 2022 12:45
 Operator : VA/SY
 Sample : N5545-01RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-1-110922RE

Quant Time: Nov 15 00:16:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

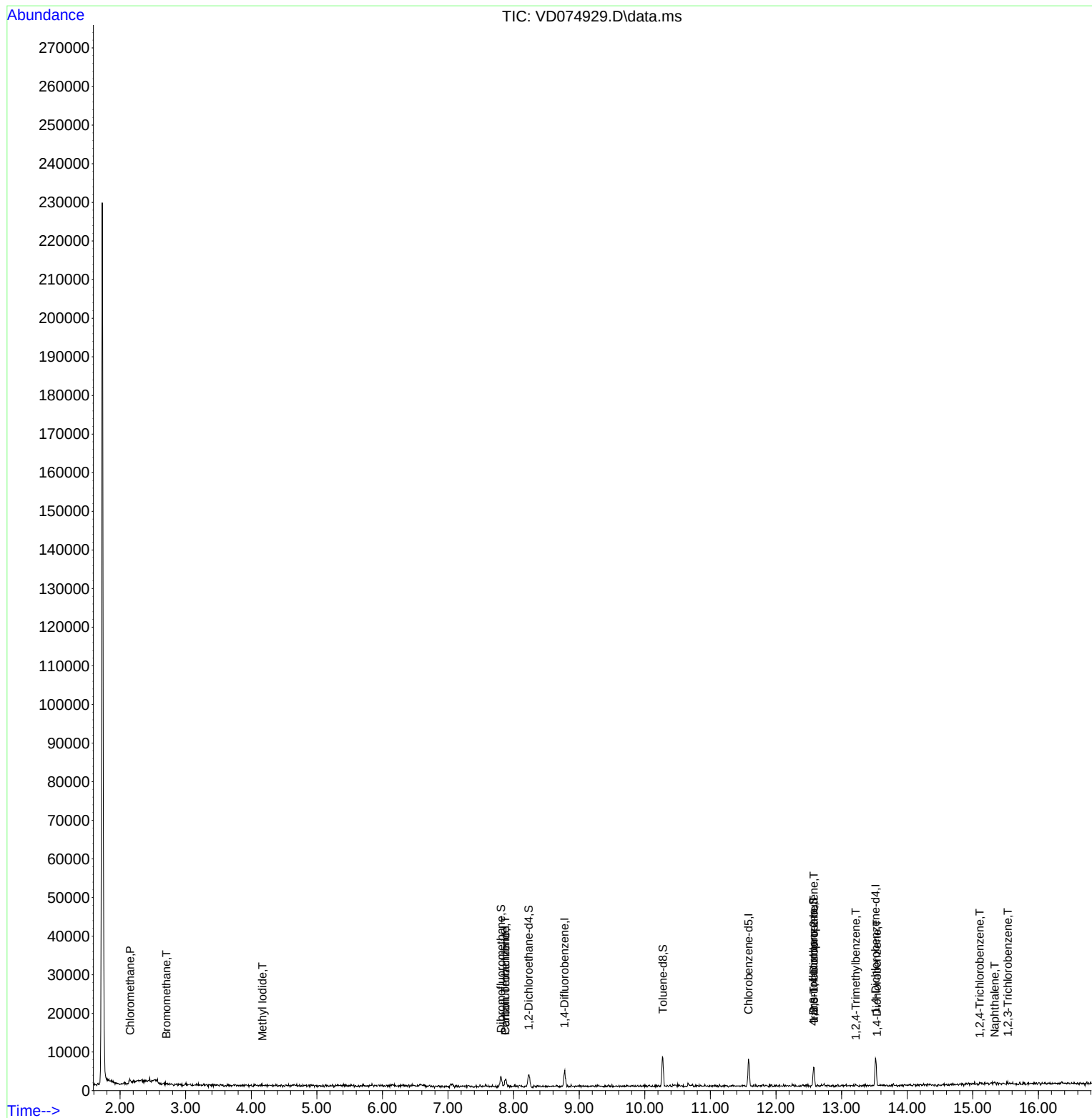
Internal Standards						
1) Pentafluorobenzene	7.875	168	2357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	5104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	5042	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	2745	192.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 384.220%#	
35) Dibromofluoromethane	7.811	113	2031	64.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.100%	
50) Toluene-d8	10.275	98	6315	60.932	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.860%	
62) 4-Bromofluorobenzene	12.569	95	2215	69.601	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 139.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	646	24.221	ug/l	91
5) Bromomethane	2.705	94	349	13.338	ug/l #	70
10) Methyl Iodide	4.170	142	439	18.665	ug/l #	43
38) Carbon Tetrachloride	7.875	117	87	1.999	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	1036	50.006	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	1036	123.015	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.216	105	186	1.324	ug/l #	31
88) 1,4-Dichlorobenzene	13.540	146	197	2.392	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.104	180	55	1.280	ug/l #	84
95) Naphthalene	15.334	128	631	7.914	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.534	180	73	1.965	ug/l #	81

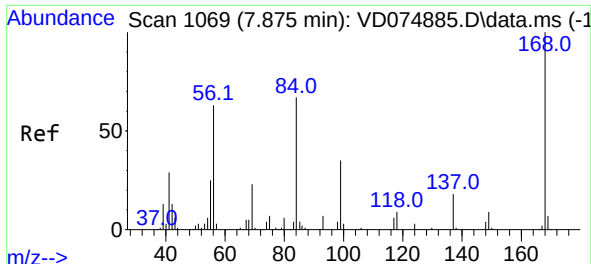
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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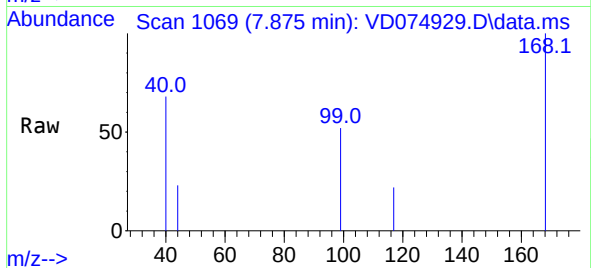
Quant Time: Nov 15 00:16:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
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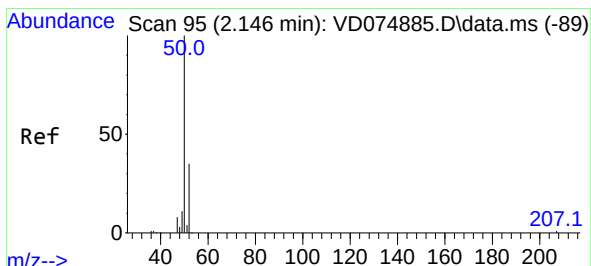
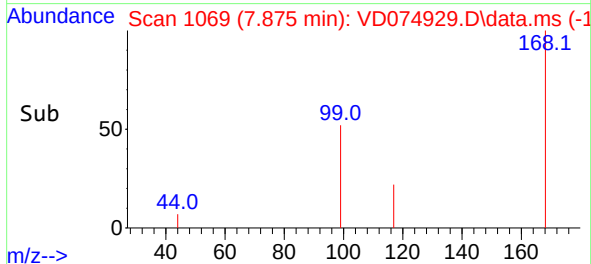
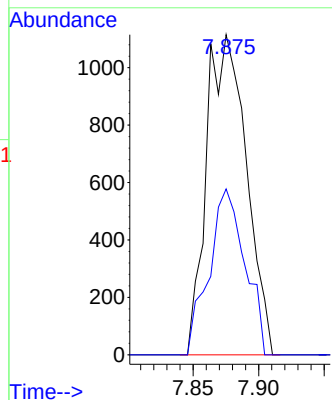


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922RE

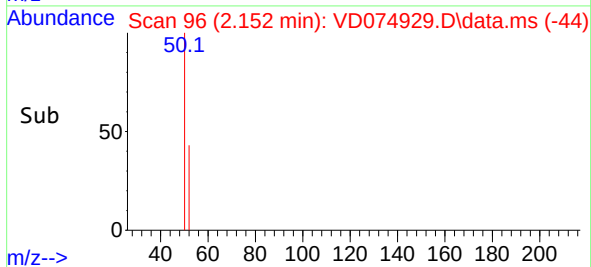
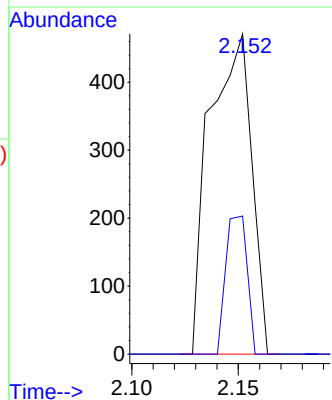
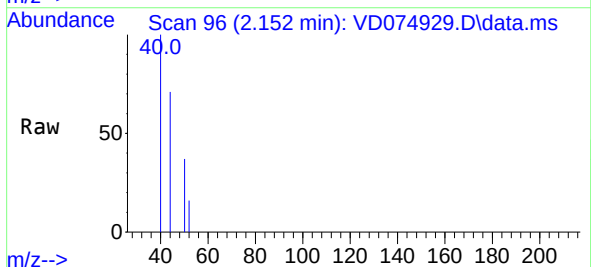


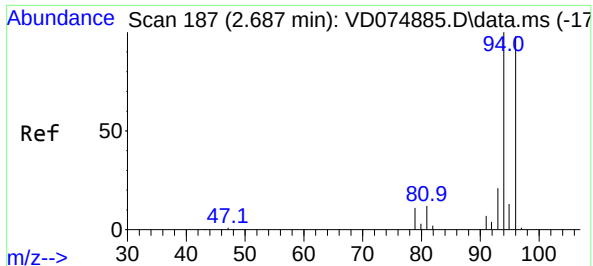
Tgt Ion:168 Resp: 2357
Ion Ratio Lower Upper
168 100
99 51.8 40.9 61.3



#3
Chloromethane
Concen: 24.221 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 43.1 30.0 45.0

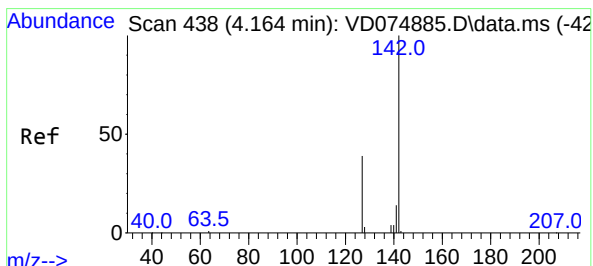
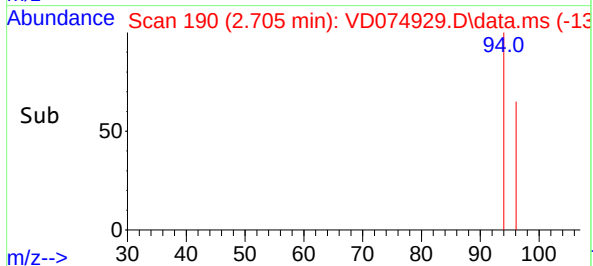
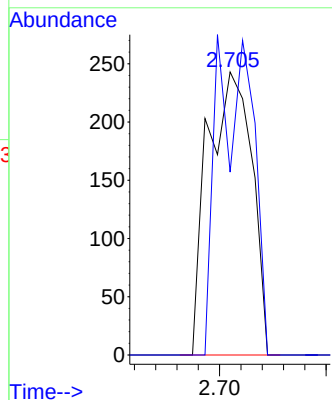
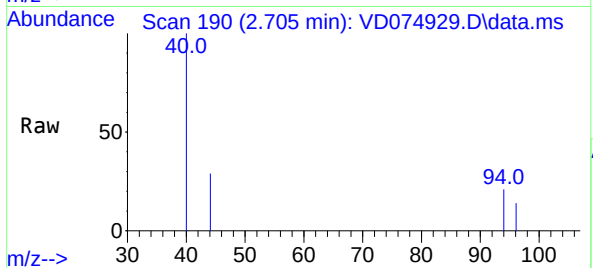




#5
Bromomethane
Concen: 13.338 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

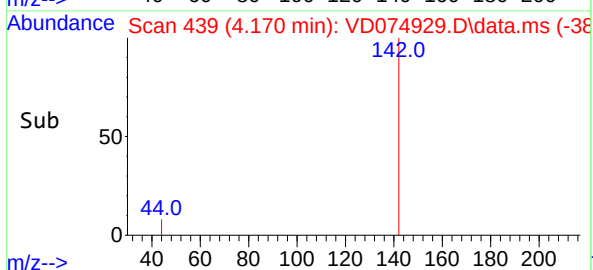
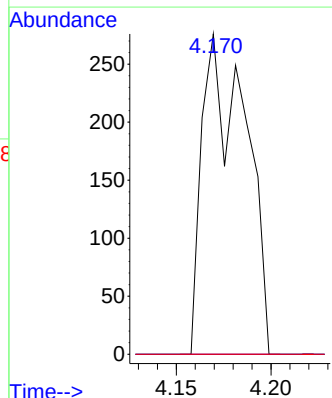
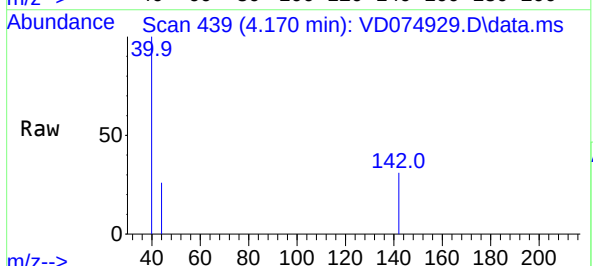
Instrument :
MSVOA_D
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CL-1-110922RE

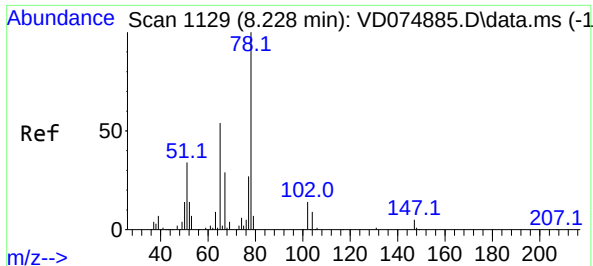
Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 64.6 74.6 112.0#



#10
Methyl Iodide
Concen: 18.665 ug/l
RT: 4.170 min Scan# 439
Delta R.T. 0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion: 142 Resp: 439
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

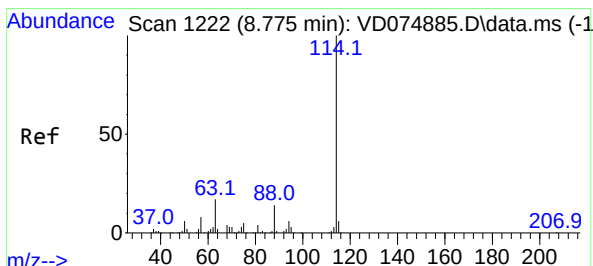
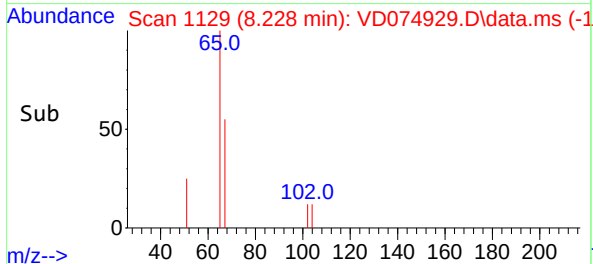
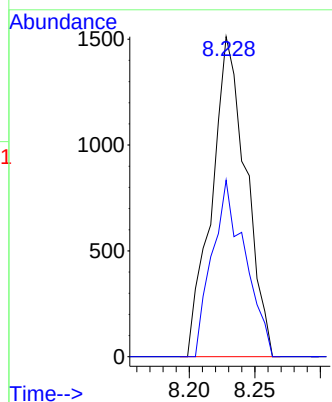
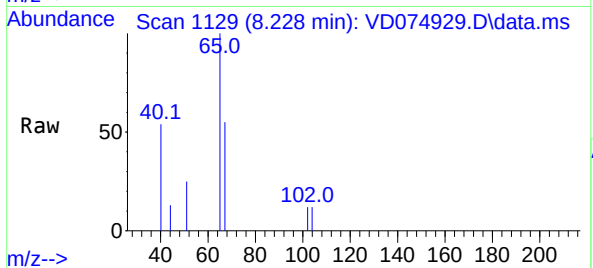




#33
 1,2-Dichloroethane-d4
 Concen: 192.111 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD074929.D
 Acq: 14 Nov 2022 12:45

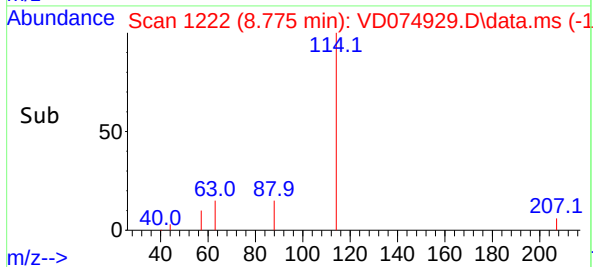
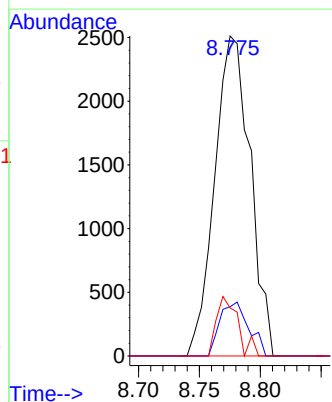
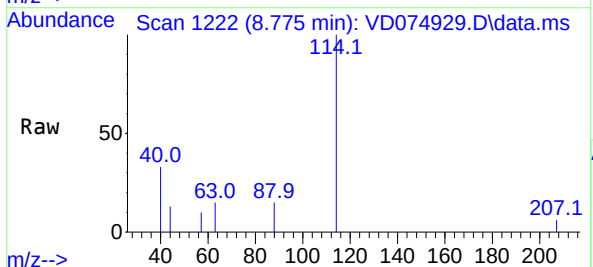
Instrument :
 MSVOA_D
 ClientSampleId :
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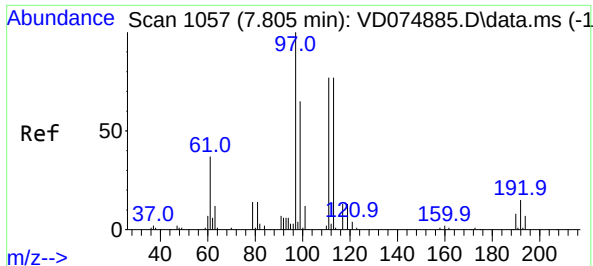
Tgt Ion: 65 Resp: 2745
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD074929.D
 Acq: 14 Nov 2022 12:45

Tgt Ion: 114 Resp: 5104
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 33.2
 88 15.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 64.553 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074929.D

Acq: 14 Nov 2022 12:45

Instrument :

MSVOA_D

ClientSampleId :

CL-1-110922RE

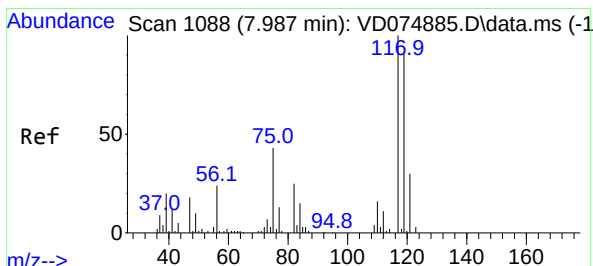
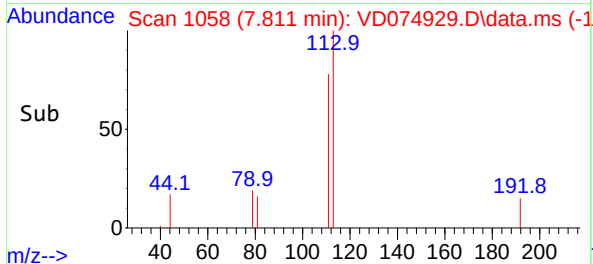
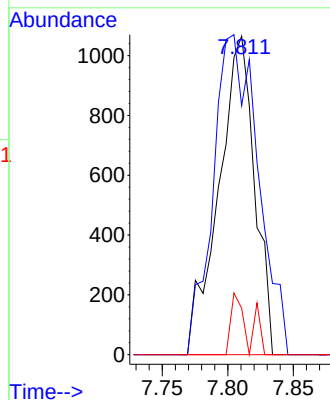
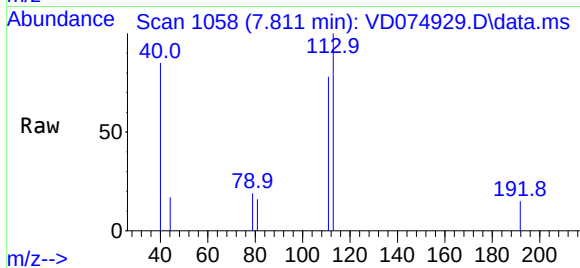
Tgt Ion:113 Resp: 2031

Ion Ratio Lower Upper

113 100

111 125.4 82.3 123.5#

192 9.3 16.4 24.6#



#38

Carbon Tetrachloride

Concen: 1.999 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074929.D

Acq: 14 Nov 2022 12:45

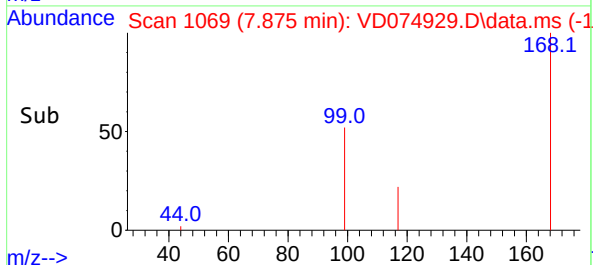
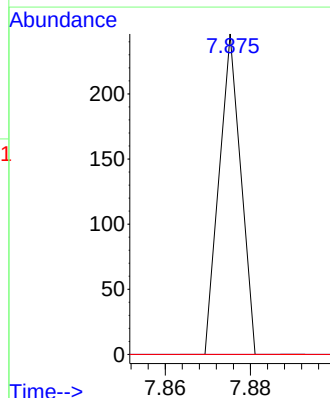
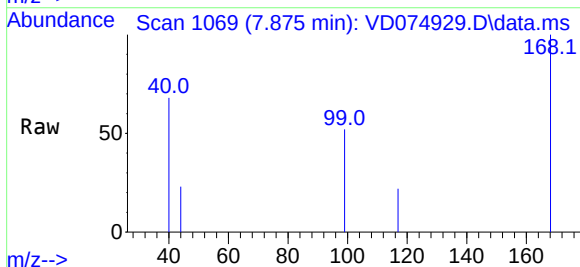
Tgt Ion:117 Resp: 87

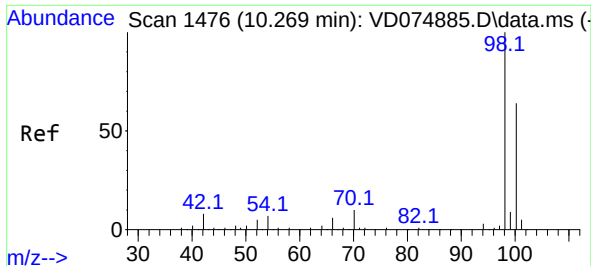
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

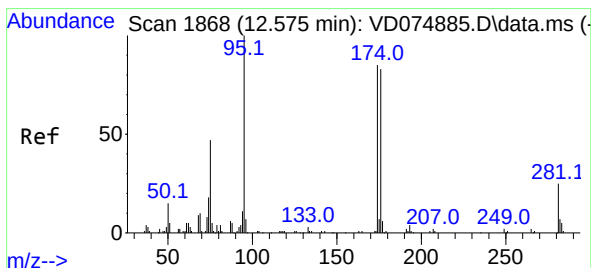
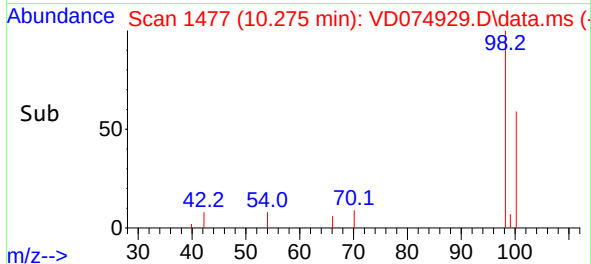
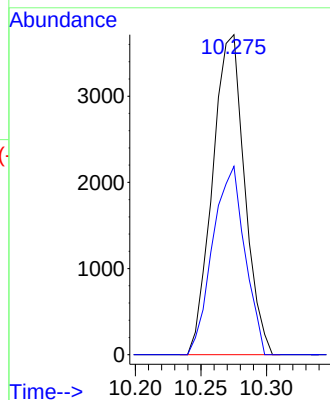
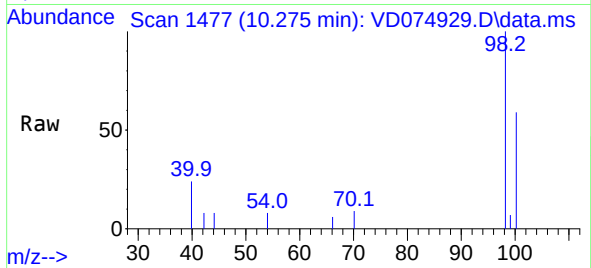




#50
Toluene-d8
Concen: 60.932 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

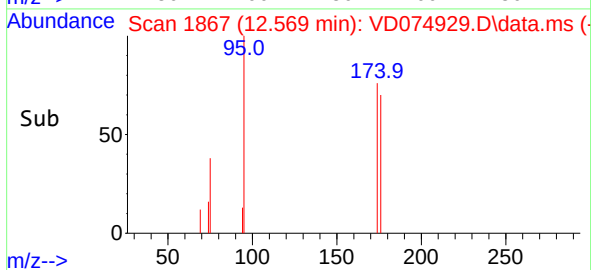
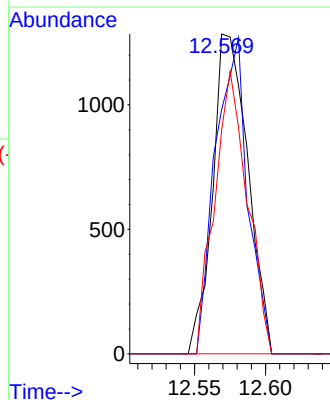
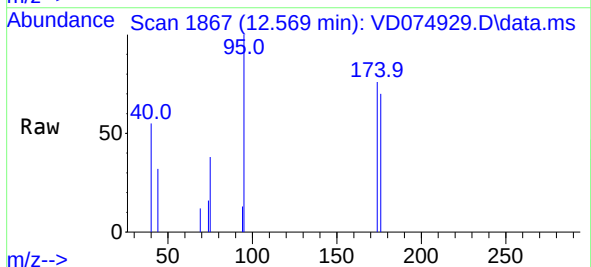
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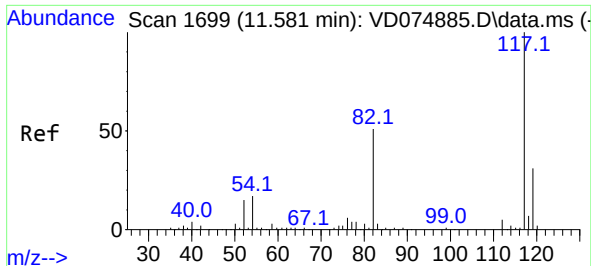
Tgt Ion: 98 Resp: 6315
Ion Ratio Lower Upper
98 100
100 59.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 69.601 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion: 95 Resp: 2215
Ion Ratio Lower Upper
95 100
174 90.9 0.0 197.0
176 82.3 0.0 182.6

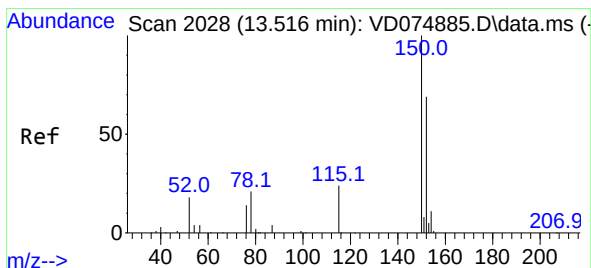
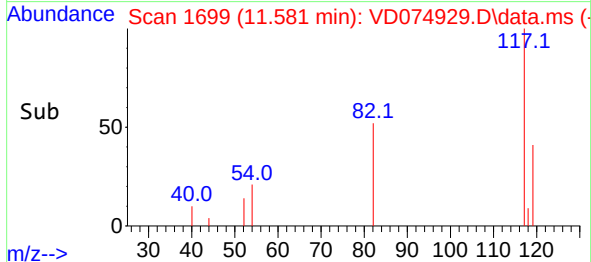
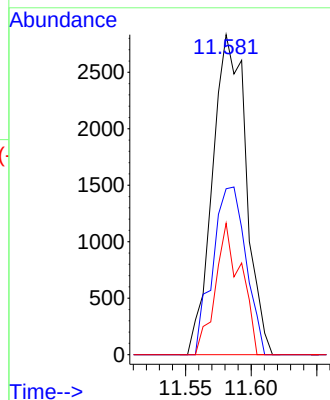
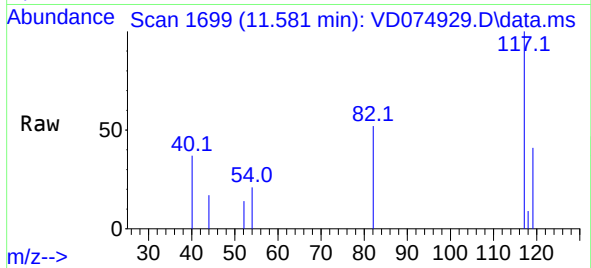




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

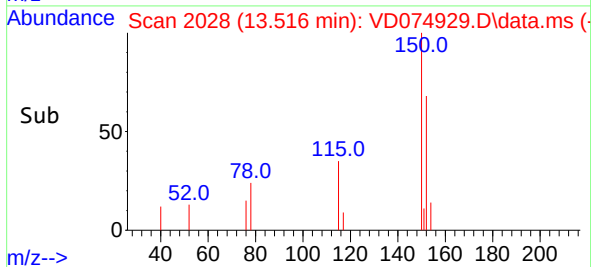
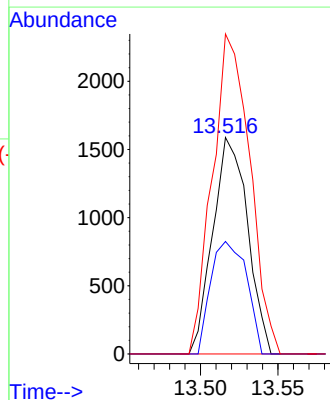
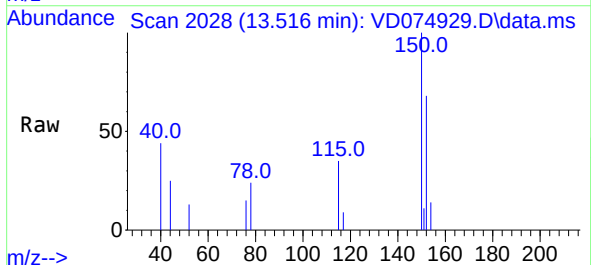
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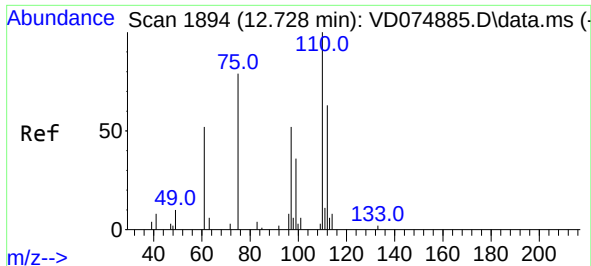
Tgt Ion:117 Resp: 5042
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 41.1 25.2 37.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion:152 Resp: 2477
Ion Ratio Lower Upper
152 100
115 53.5 26.8 80.4
150 159.4 0.0 348.2

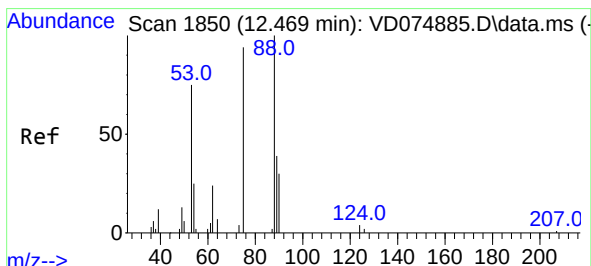
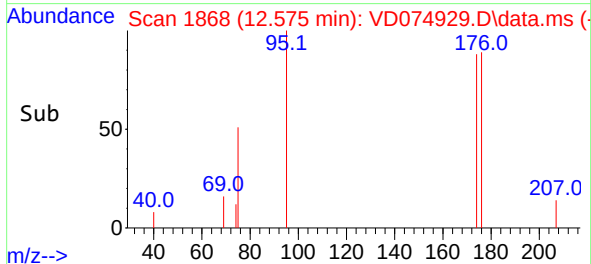
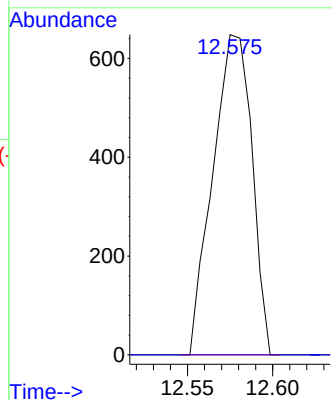
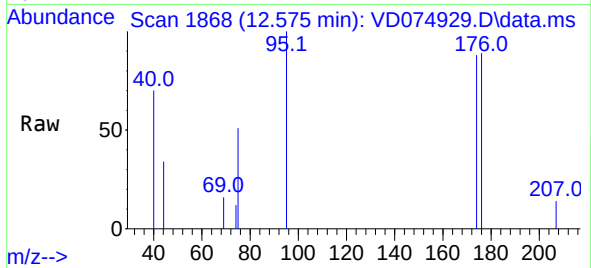




#76
1,2,3-Trichloropropane
Concen: 50.006 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

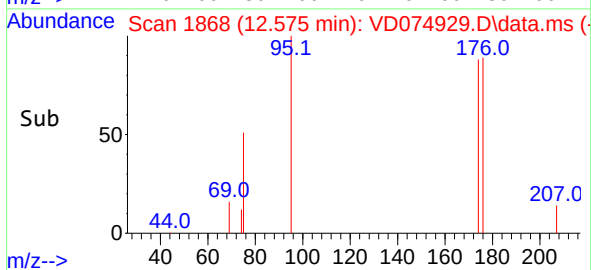
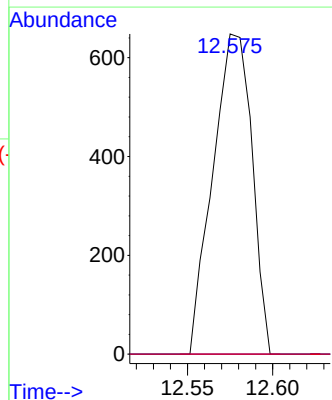
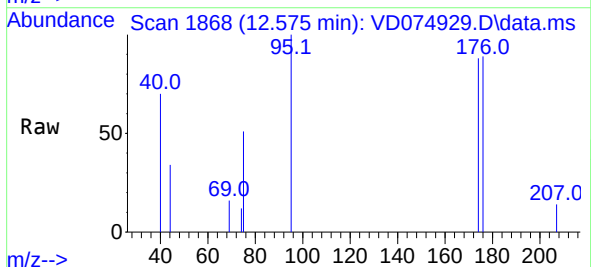
Instrument :
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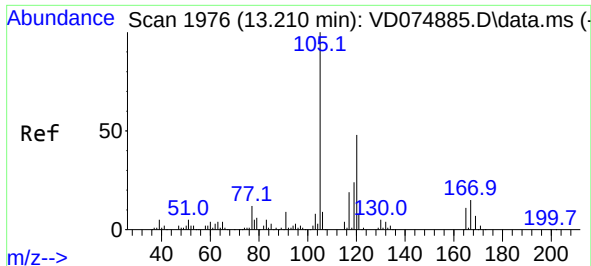
Tgt Ion: 75 Resp: 1036
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.015 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion: 75 Resp: 1036
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

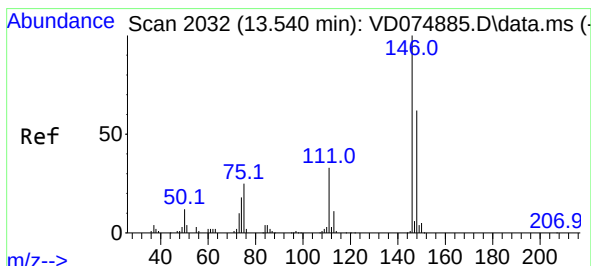
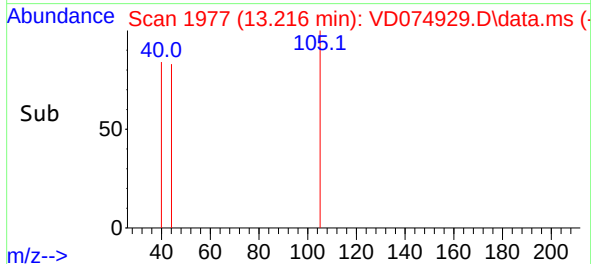
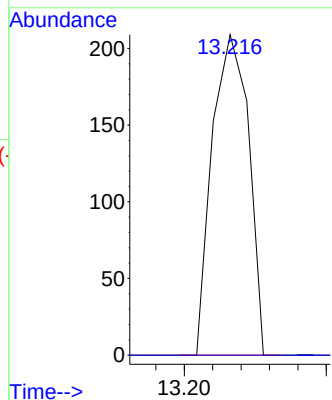
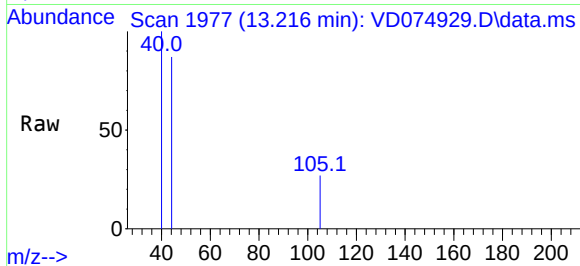




#84
1,2,4-Trimethylbenzene
Concen: 1.324 ug/l
RT: 13.216 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

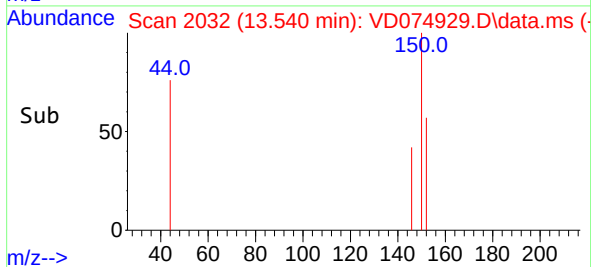
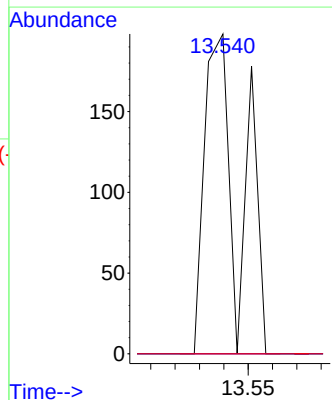
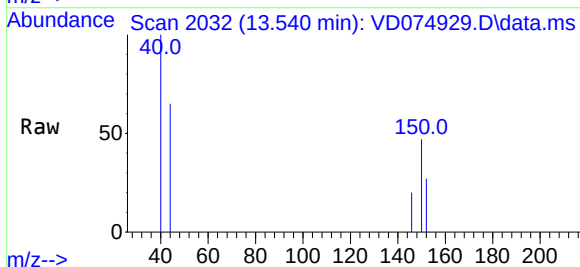
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922RE

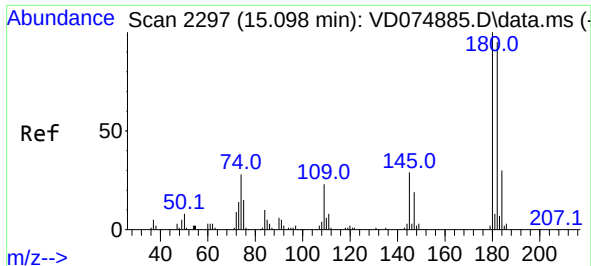
Tgt Ion:105 Resp: 186
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#88
1,4-Dichlorobenzene
Concen: 2.392 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

Tgt Ion:146 Resp: 197
Ion Ratio Lower Upper
146 100
111 0.0 17.7 53.1#
148 0.0 32.3 96.9#

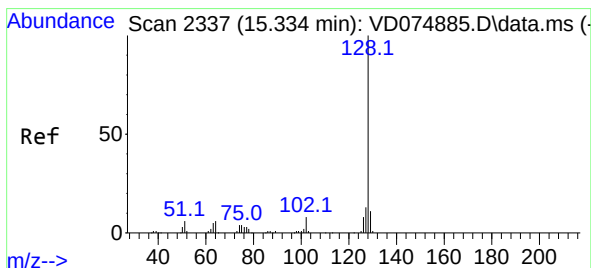
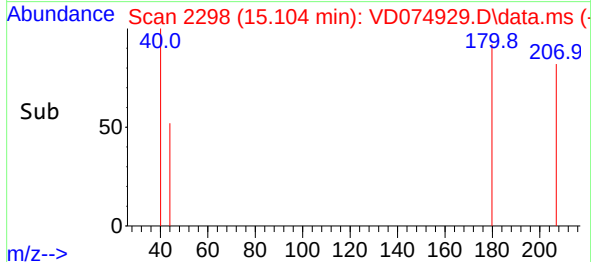
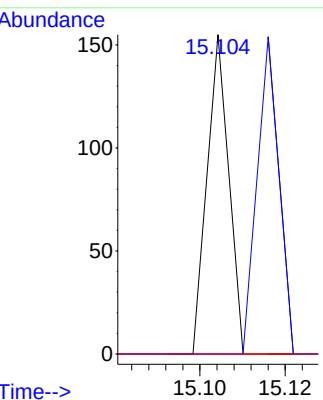
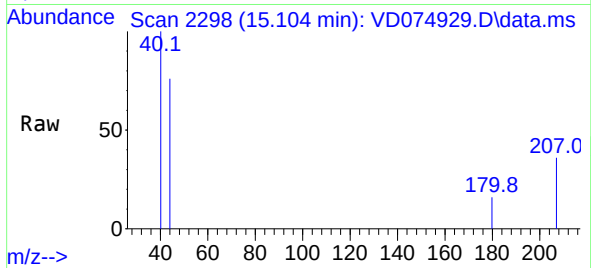




#93
1,2,4-Trichlorobenzene
Concen: 1.280 ug/l
RT: 15.104 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

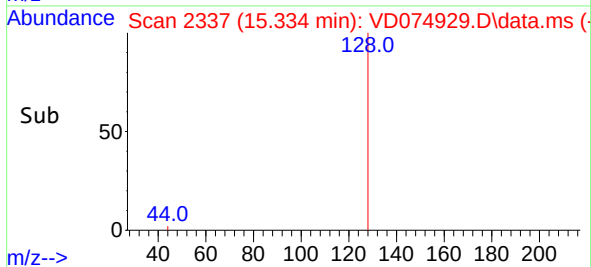
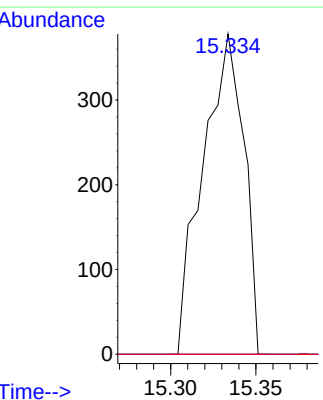
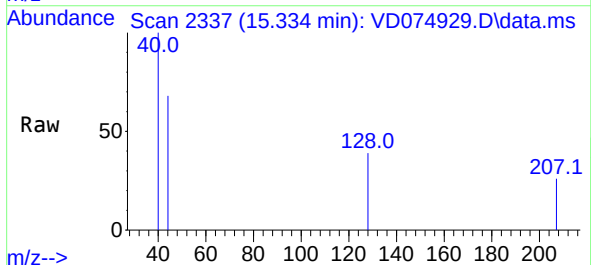
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922RE

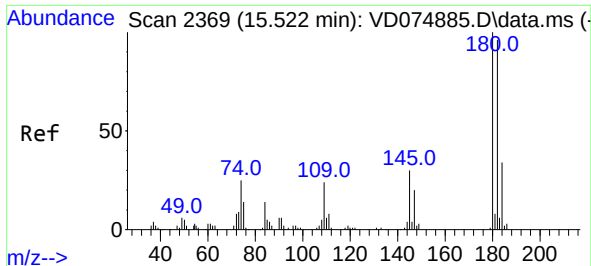
Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 98.2 46.9 140.6
145 0.0 14.1 42.3#



#95
Naphthalene
Concen: 7.914 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD074929.D
Acq: 14 Nov 2022 12:45

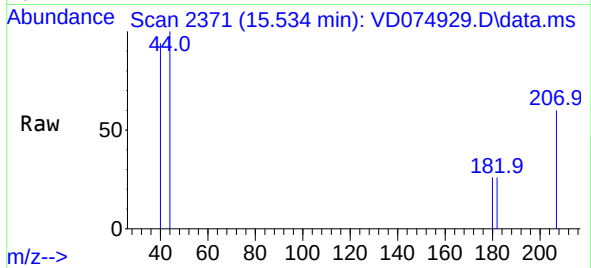
Tgt Ion:128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.965 ug/l
 RT: 15.534 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VD074929.D
 Acq: 14 Nov 2022 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-1-110922RE



Tgt Ion:	180	Resp:	73
Ion	Ratio	Lower	Upper
180	100		
182	100.0	46.7	140.1
145	0.0	14.9	44.7#

