

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110822\
 Data File : VD074800.D
 Acq On : 08 Nov 2022 13:17
 Operator : VA/SY
 Sample : N5415-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 14:49:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

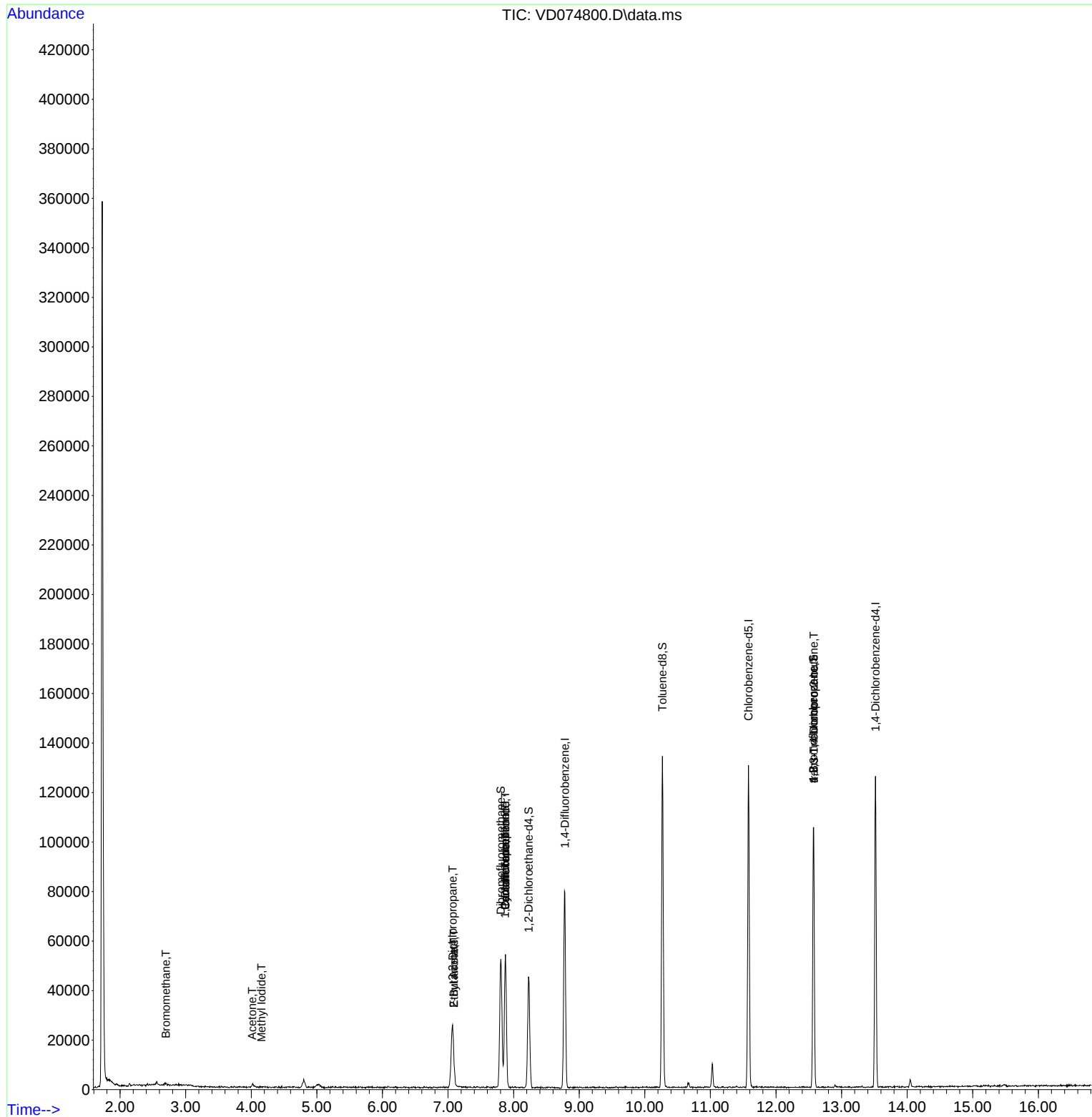
Internal Standards						
1) Pentafluorobenzene	7.875	168	44717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	76625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	36246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35856	101.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 202.480%#	
35) Dibromofluoromethane	7.805	113	39838	87.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 175.780%#	
50) Toluene-d8	10.269	98	98044	59.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.600%	
62) 4-Bromofluorobenzene	12.569	95	32679	68.454	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 136.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	680	1.396	ug/l #	54
10) Methyl Iodide	4.158	142	191	5.833	ug/l #	43
11) Tert butyl alcohol	5.034	59	702	Below Cal	#	84
16) Acetone	4.017	43	2337	31.620	ug/l #	81
20) Methylene Chloride	4.799	84	2504	Below Cal	#	88
25) 2-Butanone	7.087	43	1211	11.917	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	1882	2.542	ug/l #	50
31) Cyclohexane	7.875	56	790	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	3106	4.514	ug/l #	39
37) Ethyl Acetate	7.087	43	1211	5.276	ug/l #	66
38) Carbon Tetrachloride	7.875	117	4146	6.361	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	15878	56.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	15878	134.139	ug/l #	17

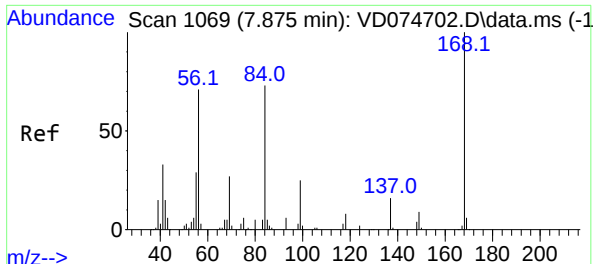
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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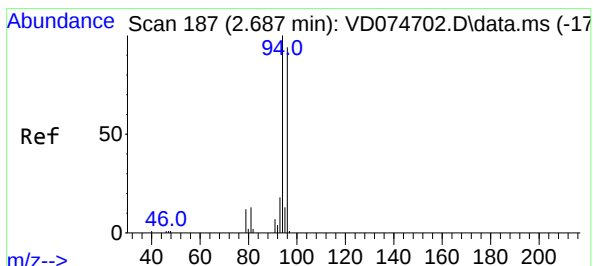
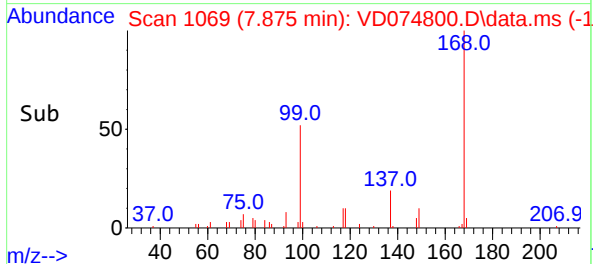
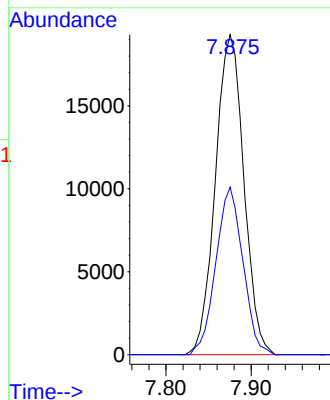
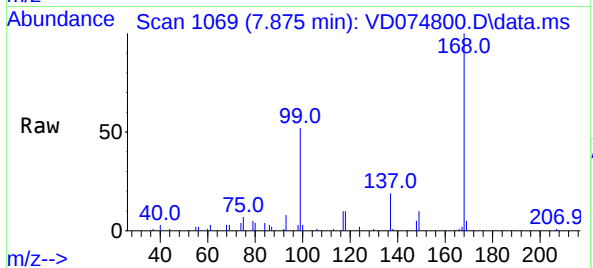




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

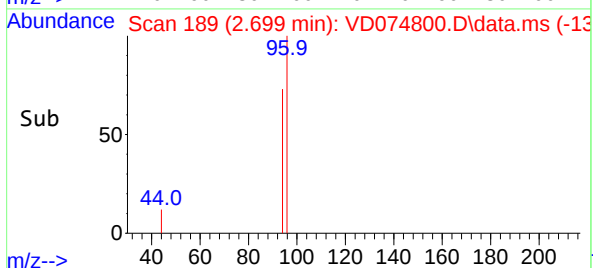
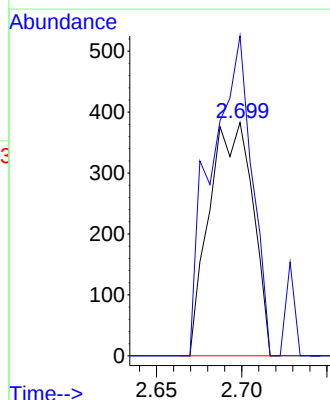
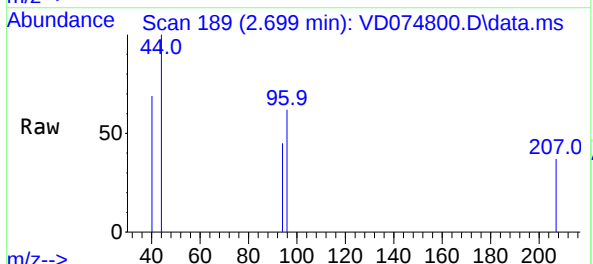
Instrument :
MSVOA_D
ClientSampleId :

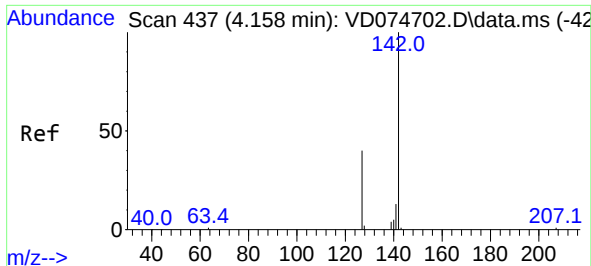
Tgt Ion:168 Resp: 44717
Ion Ratio Lower Upper
168 100
99 52.3 40.9 61.3



#5
Bromomethane
Concen: 1.396 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

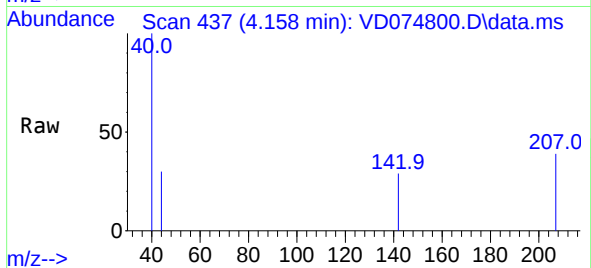
Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 137.1 74.6 112.0#



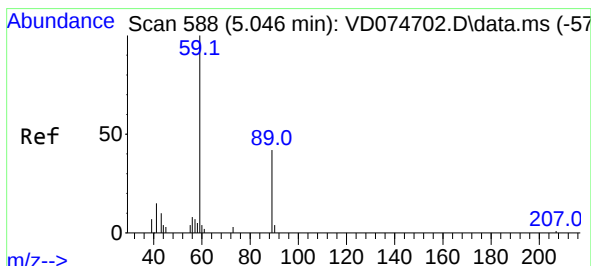
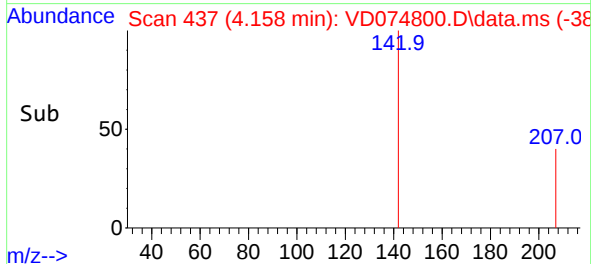
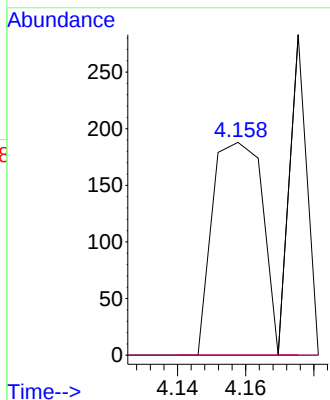


#10
Methyl Iodide
Concen: 5.833 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

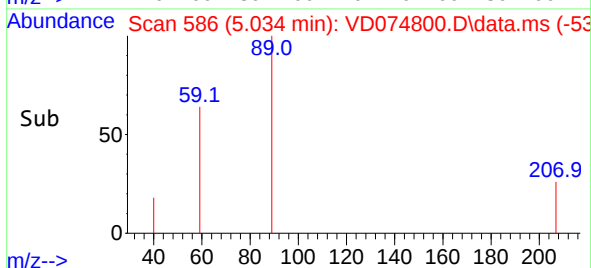
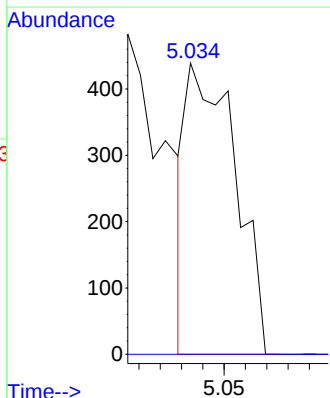
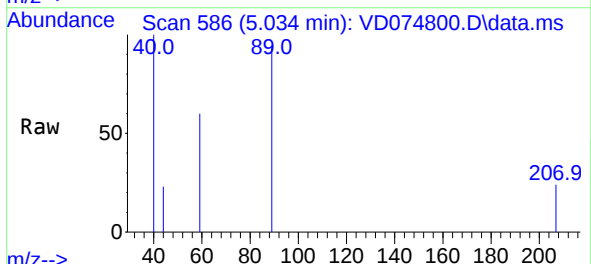


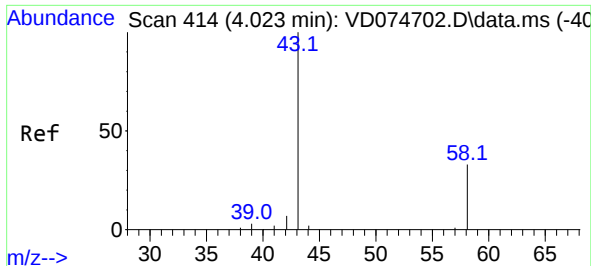
Tgt Ion:142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 586
Delta R.T. -0.012 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Tgt Ion: 59 Resp: 702
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

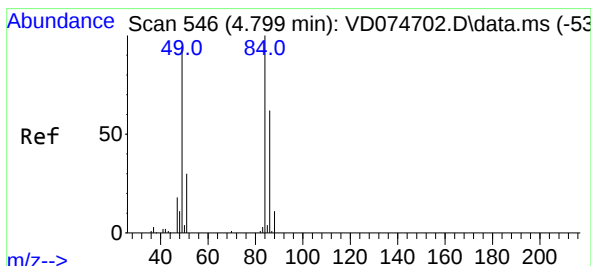
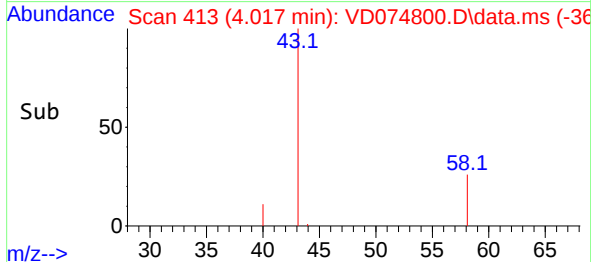
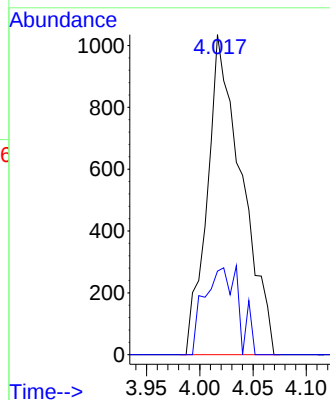
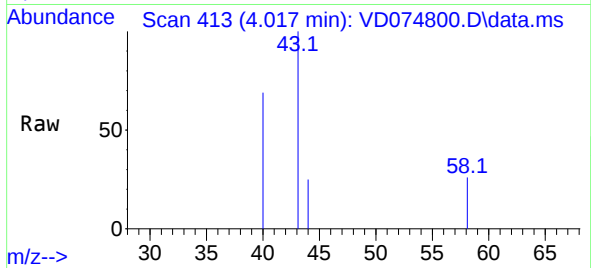




#16
Acetone
Concen: 31.620 ug/l
RT: 4.017 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

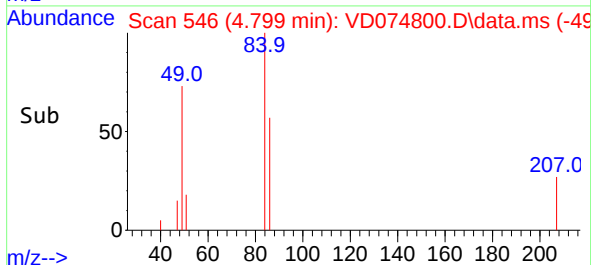
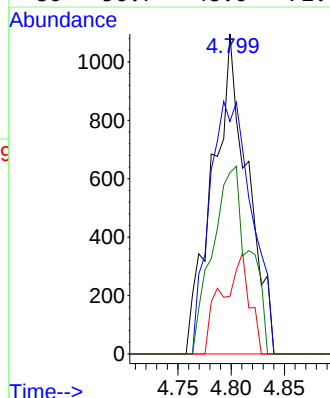
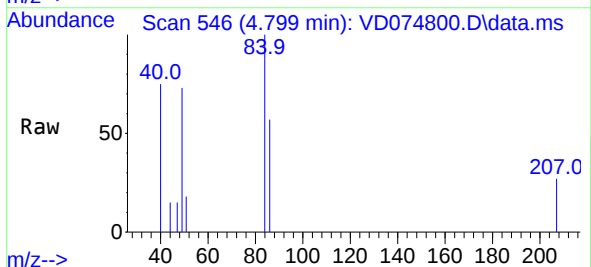
Instrument :
MSVOA_D
ClientSampleId :

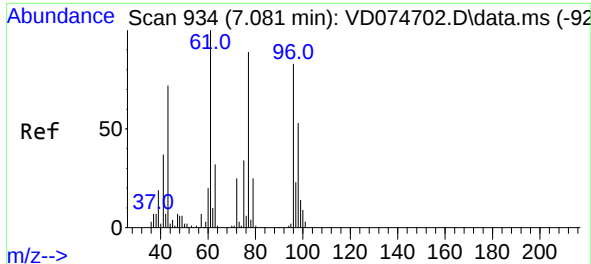
Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
58 26.1 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Tgt Ion: 84 Resp: 2504
Ion Ratio Lower Upper
84 100
49 72.6 68.0 102.0
51 18.1 23.2 34.8#
86 56.7 48.0 72.0





#25

2-Butanone

Concen: 11.917 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074800.D

Acq: 08 Nov 2022 13:17

Instrument :

MSVOA_D

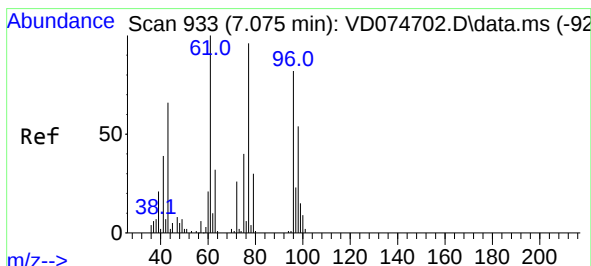
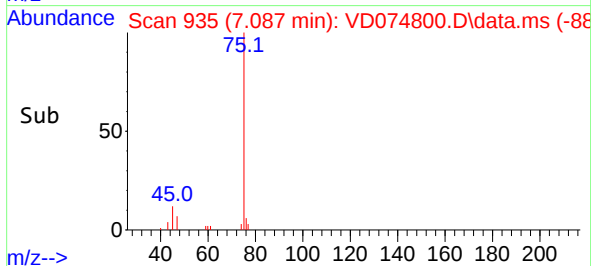
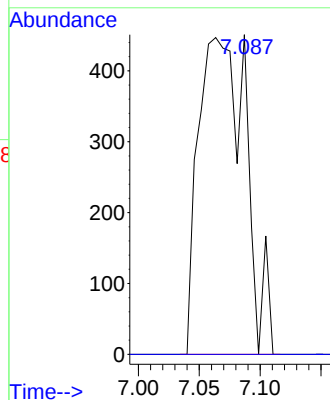
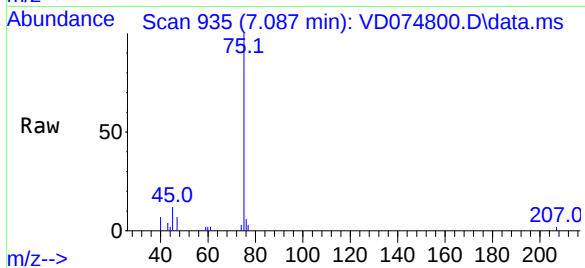
ClientSampleId :

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#26

2,2-Dichloropropane

Concen: 2.542 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.006 min

Lab File: VD074800.D

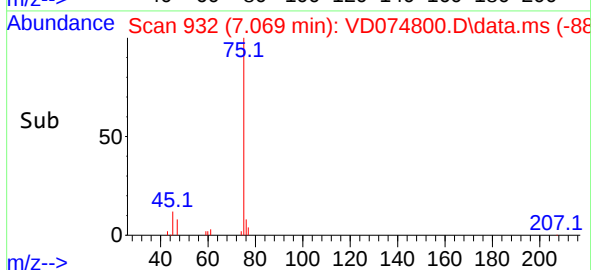
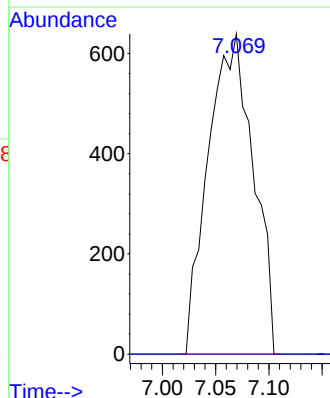
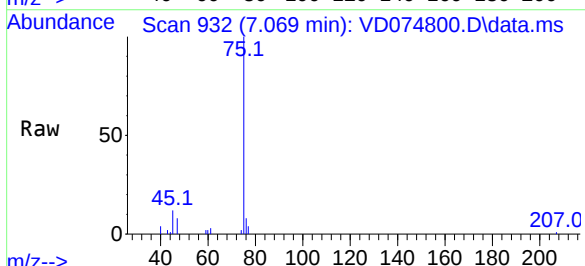
Acq: 08 Nov 2022 13:17

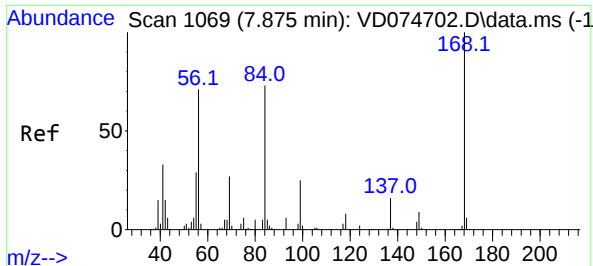
Tgt Ion: 77 Resp: 1882

Ion Ratio Lower Upper

77 100

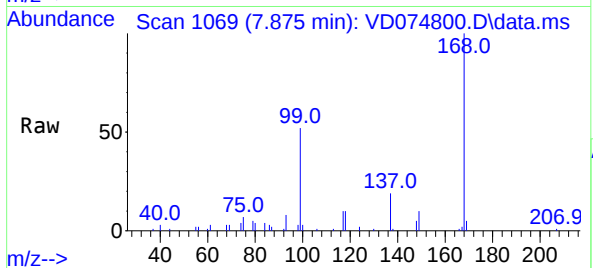
97 0.0 12.5 37.5#



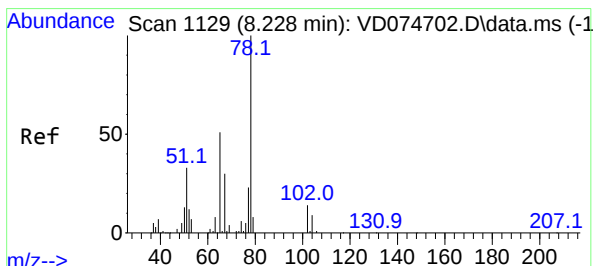
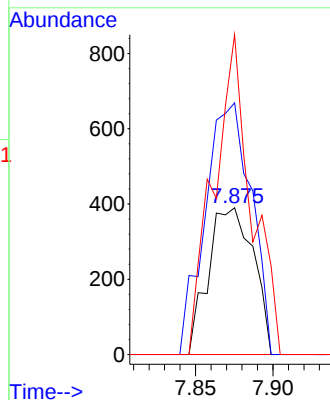
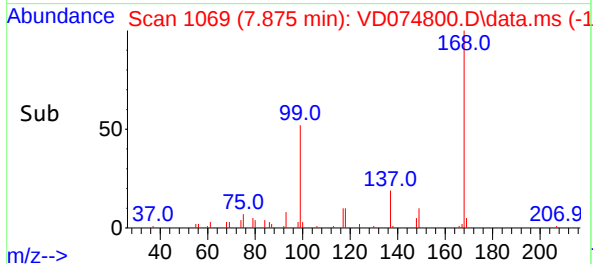


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

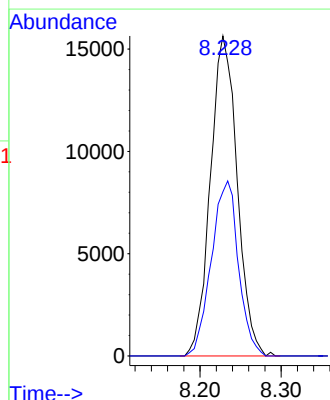
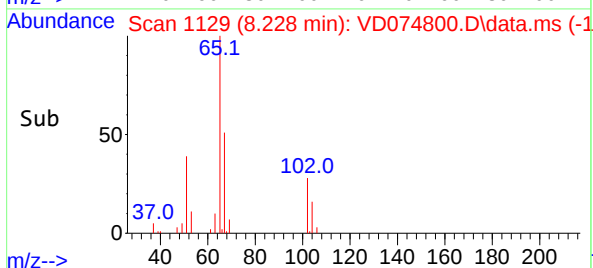
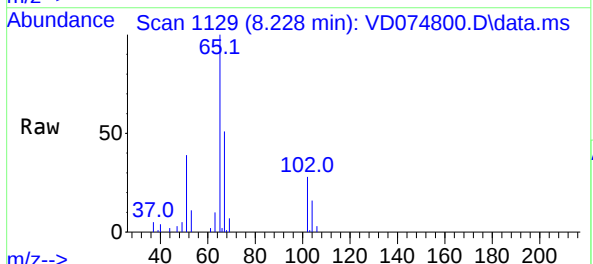


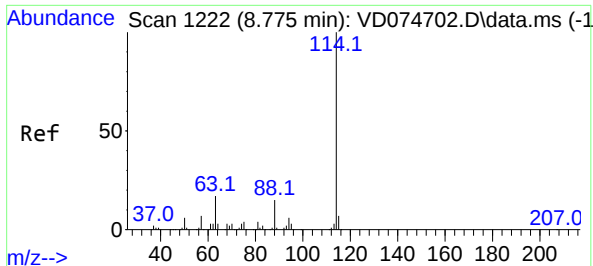
Tgt Ion: 56 Resp: 790
Ion Ratio Lower Upper
56 100
69 171.5 29.2 43.8#
84 217.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 101.240 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Tgt Ion: 65 Resp: 35856
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074800.D

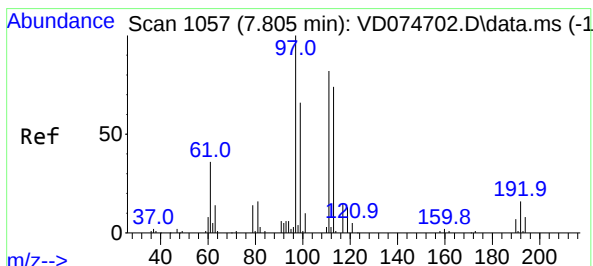
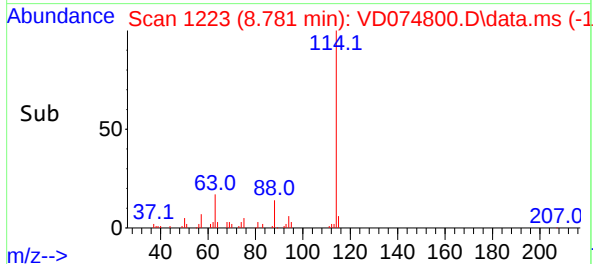
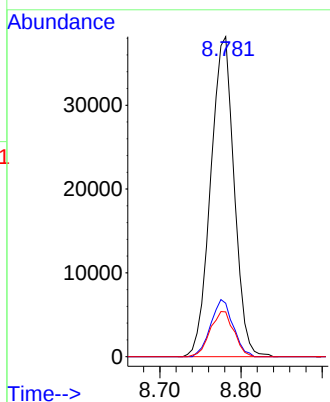
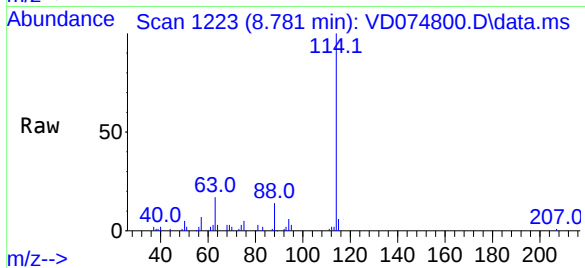
Acq: 08 Nov 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	76625
Ion	Ratio	Lower Upper
114	100	
63	16.7	0.0 33.2
88	14.0	0.0 28.2



#35

Dibromofluoromethane

Concen: 87.891 ug/l

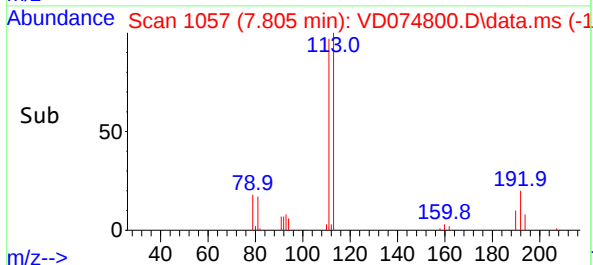
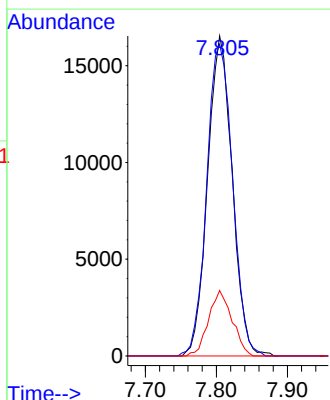
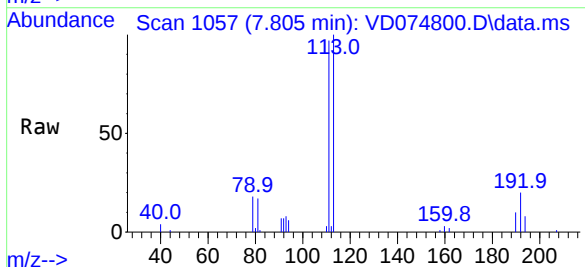
RT: 7.805 min Scan# 1057

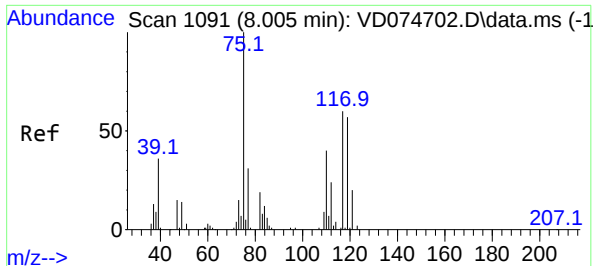
Delta R.T. -0.000 min

Lab File: VD074800.D

Acq: 08 Nov 2022 13:17

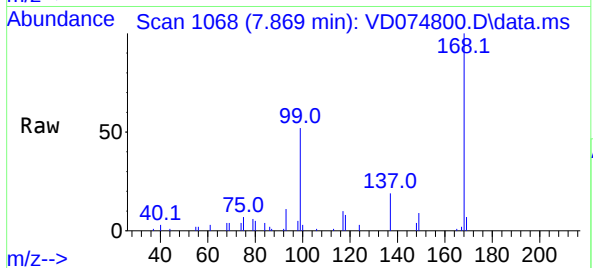
Tgt Ion:113	Resp:	39838
Ion	Ratio	Lower Upper
113	100	
111	102.2	82.3 123.5
192	19.6	16.4 24.6



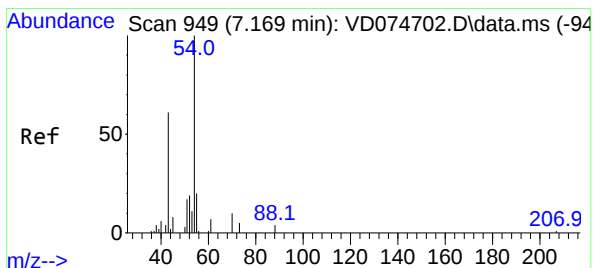
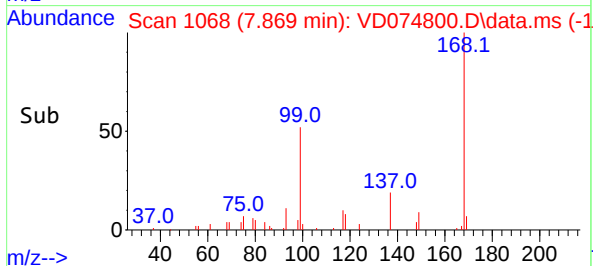
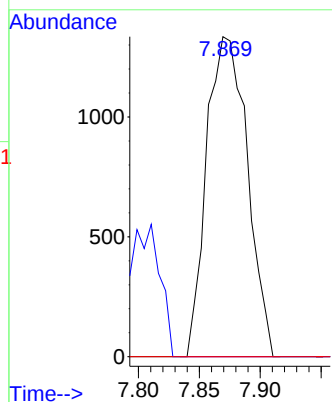


#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.869 min Scan# 1091
Delta R.T. -0.136 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

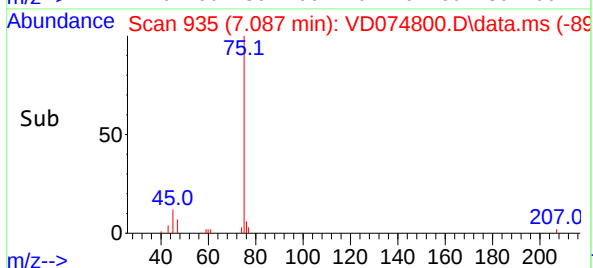
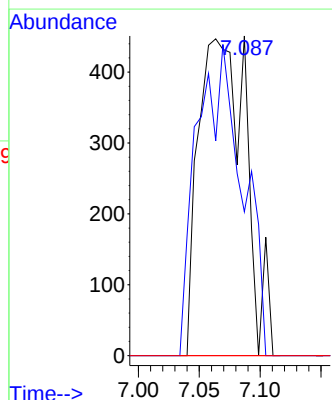
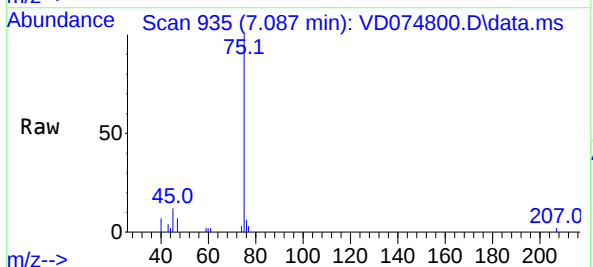


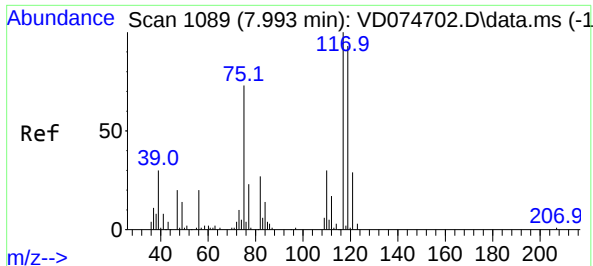
Tgt Ion: 75 Resp: 3106
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 5.276 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

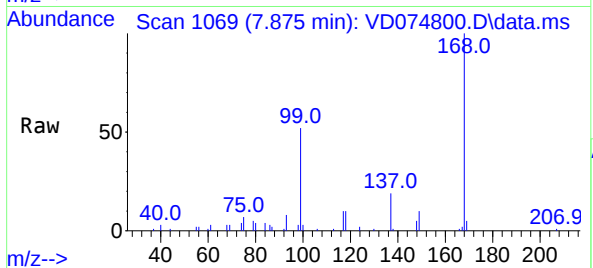
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.6 14.4#



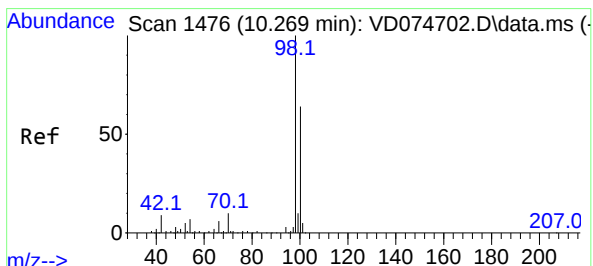
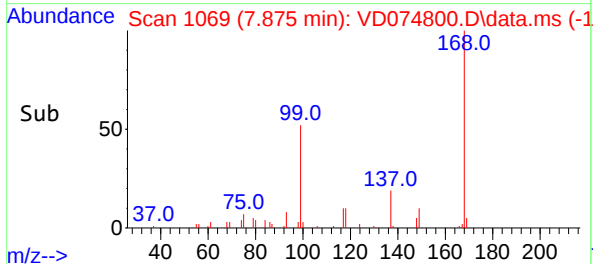
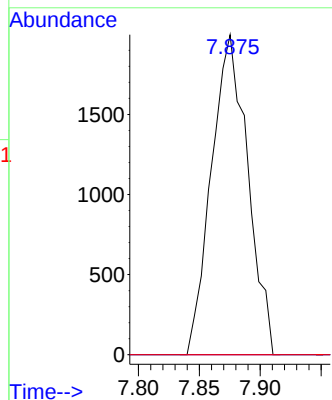


#38
Carbon Tetrachloride
Concen: 6.361 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

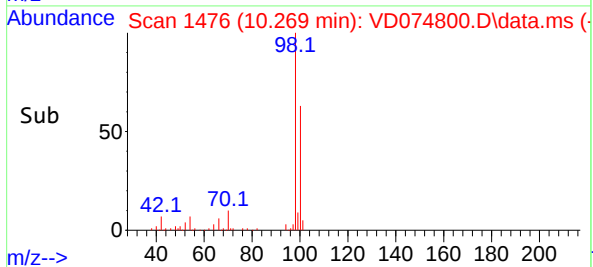
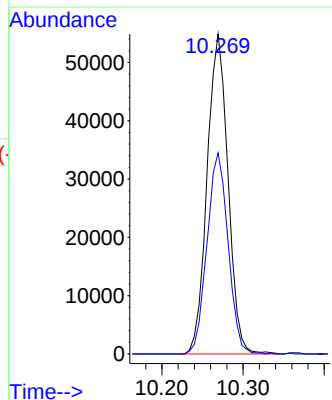
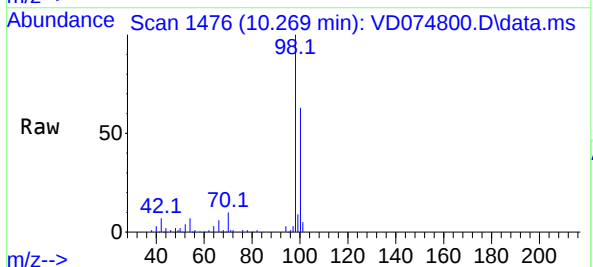


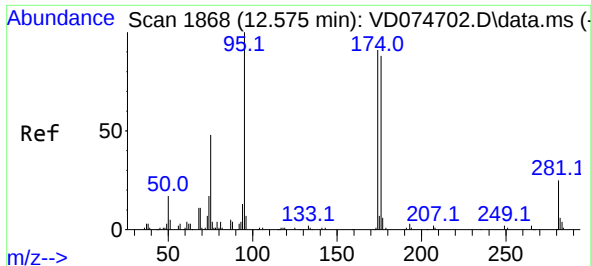
Tgt Ion:117 Resp: 4146
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 59.299 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

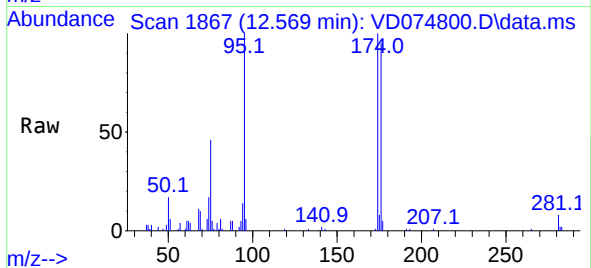
Tgt Ion: 98 Resp: 98044
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



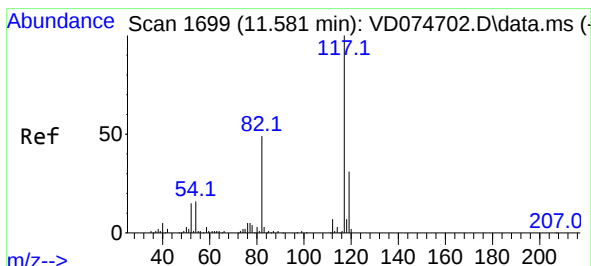
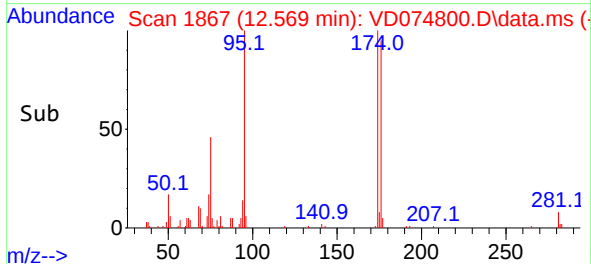
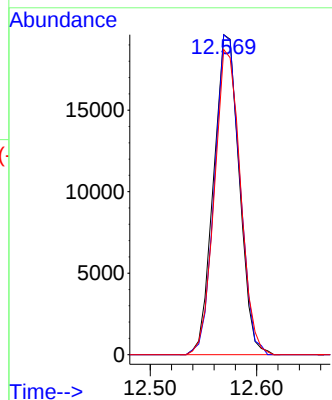


#62
4-Bromofluorobenzene
Concen: 68.454 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

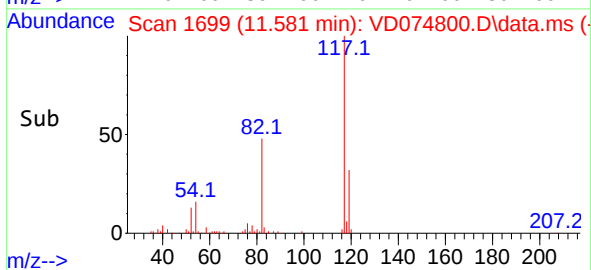
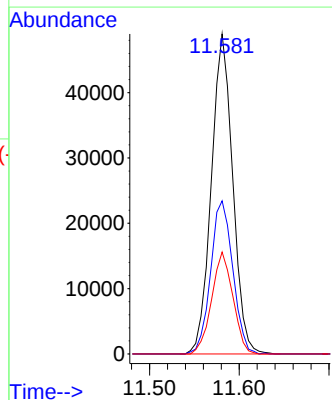
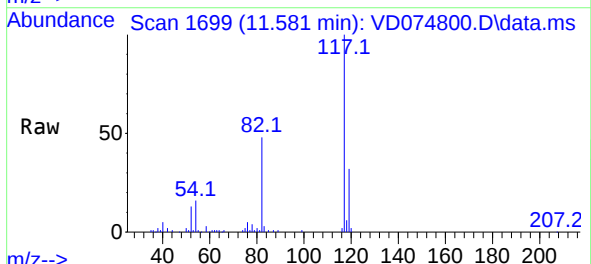


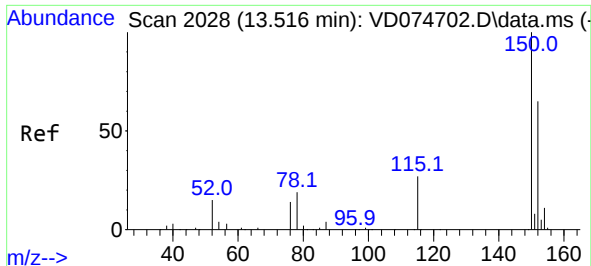
Tgt Ion: 95 Resp: 32679
Ion Ratio Lower Upper
95 100
174 98.1 0.0 197.0
176 96.5 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

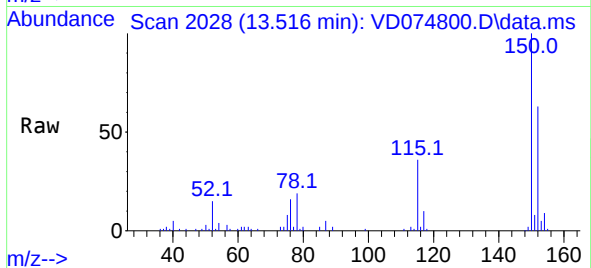
Tgt Ion: 117 Resp: 81087
Ion Ratio Lower Upper
117 100
82 47.9 41.6 62.4
119 31.9 25.2 37.8



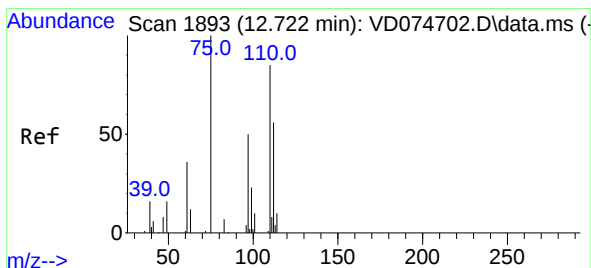
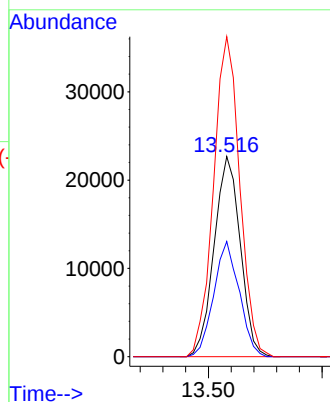
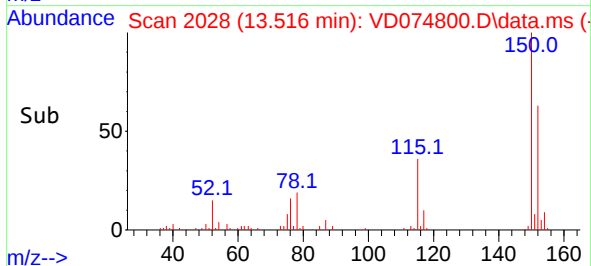


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 207
Delta R.T. 0.000 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

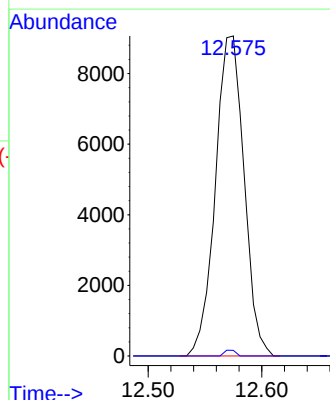
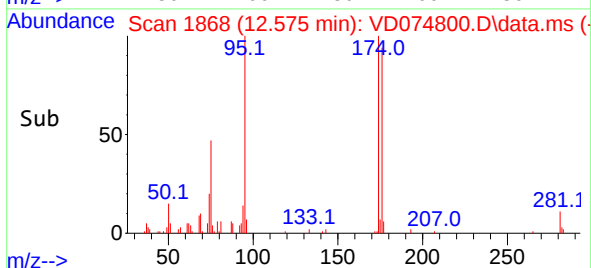
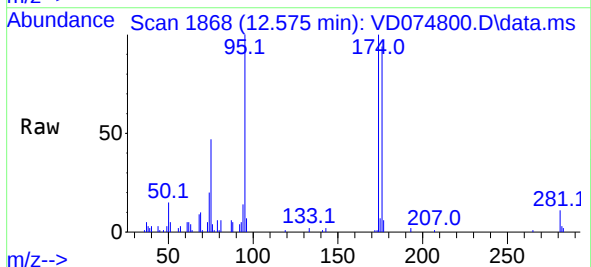


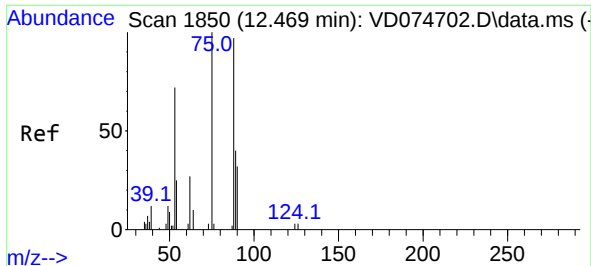
Tgt Ion:152 Resp: 36246
Ion Ratio Lower Upper
152 100
115 56.1 26.8 80.4
150 160.4 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 56.509 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074800.D
Acq: 08 Nov 2022 13:17

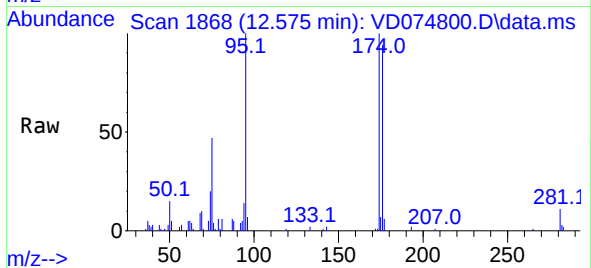
Tgt Ion: 75 Resp: 15878
Ion Ratio Lower Upper
75 100
77 0.7 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.139 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074800.D
 Acq: 08 Nov 2022 13:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	15878
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

