

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110822\
 Data File : VD074809.D
 Acq On : 08 Nov 2022 17:53
 Operator : VA/SY
 Sample : N5494-05RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 23:39:29 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)

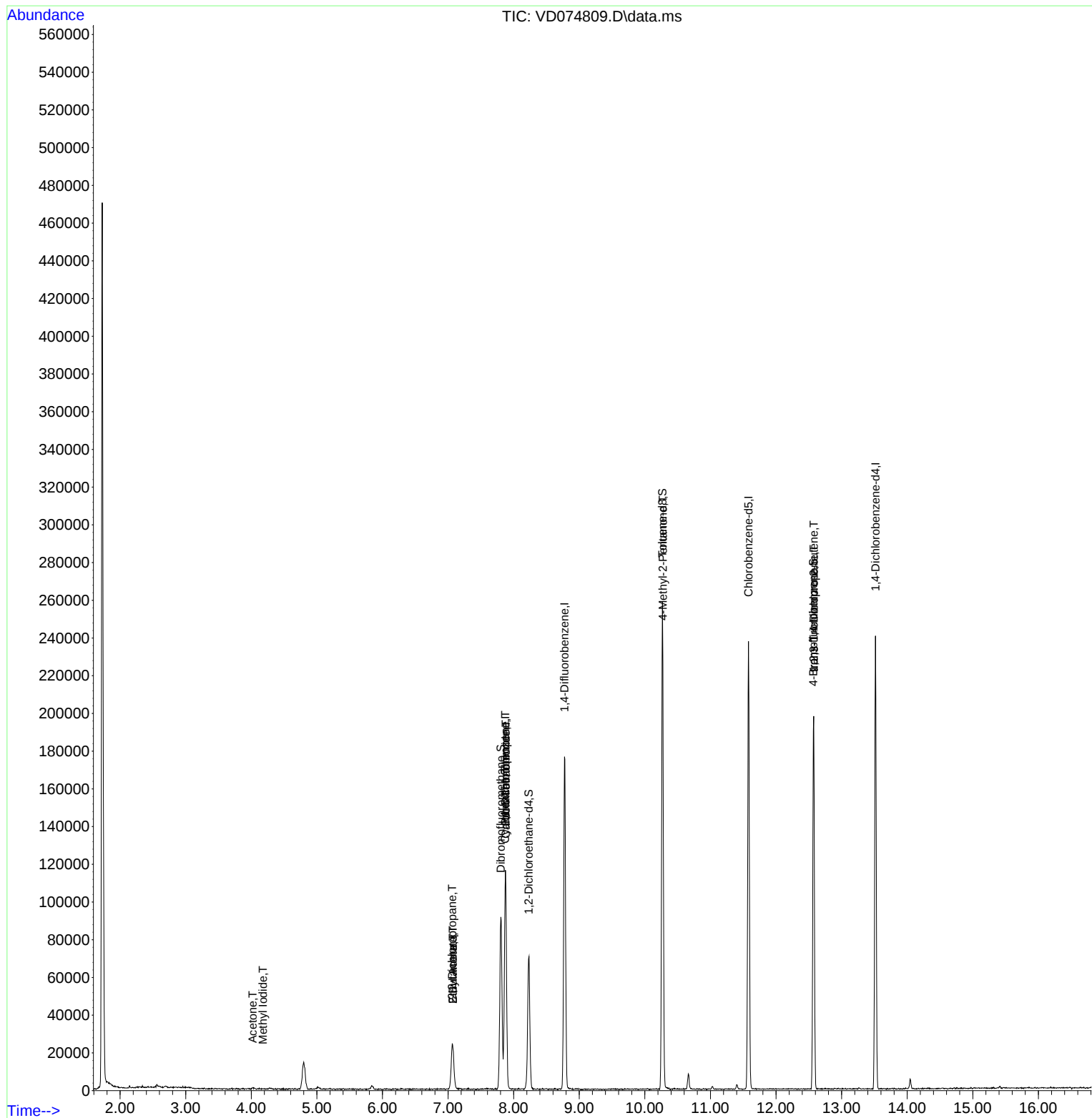
Internal Standards						
1) Pentafluorobenzene	7.875	168	97056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	168832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	149556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	69811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55990	72.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.680%	
35) Dibromofluoromethane	7.804	113	68031	68.119	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.240%	
50) Toluene-d8	10.269	98	186325	51.146	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.569	95	58974	56.067	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	187	5.681	ug/l #	43
11) Tert butyl alcohol	5.016	59	265	Below Cal	#	84
16) Acetone	4.022	43	983	6.128	ug/l	90
20) Methylene Chloride	4.799	84	13061	Below Cal		93
25) 2-Butanone	7.075	43	1183	5.364	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	1673	1.041	ug/l #	50
31) Cyclohexane	7.869	56	1671	1.074	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	6606	4.358	ug/l #	45
37) Ethyl Acetate	7.075	43	1183	2.339	ug/l #	1
38) Carbon Tetrachloride	7.881	117	9028	6.286	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	485	1.063	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	28674	52.984	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	28674	125.772	ug/l #	17

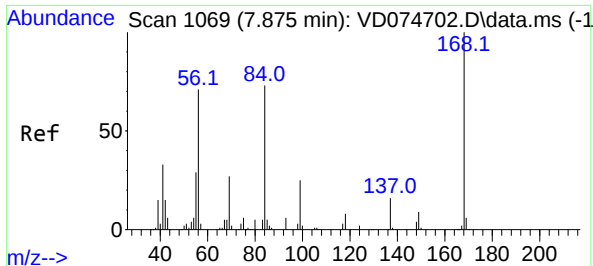
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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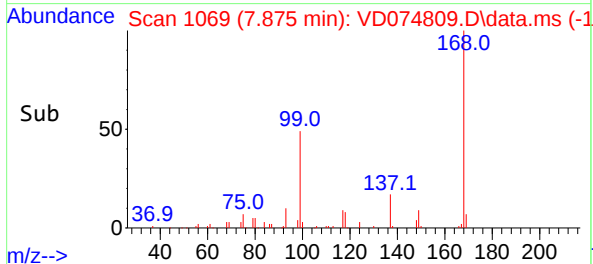
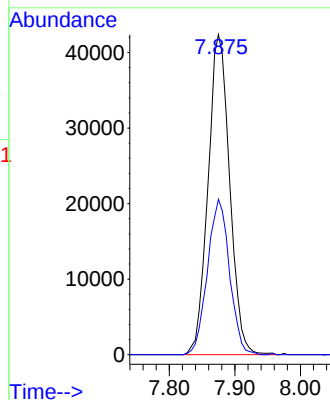
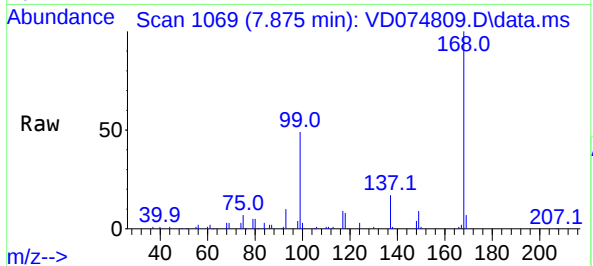




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

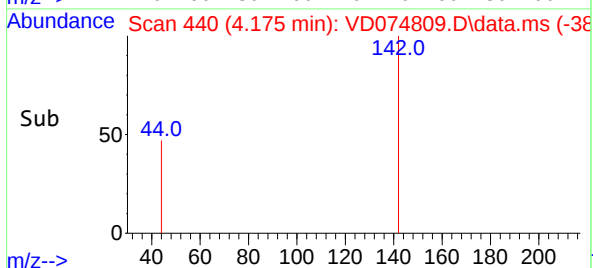
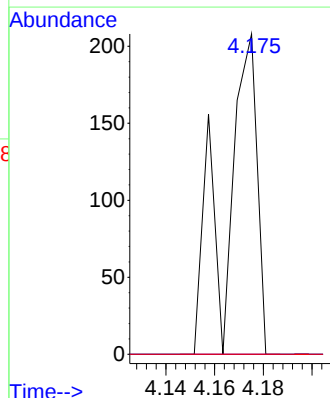
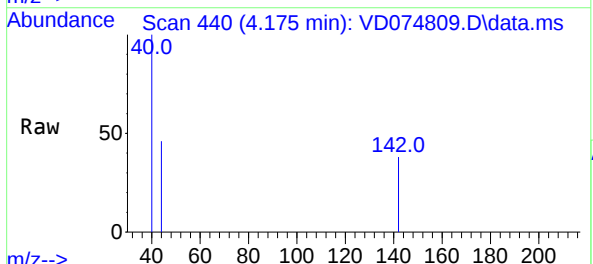
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 97056
Ion Ratio Lower Upper
168 100
99 48.5 40.9 61.3



#10
Methyl Iodide
Concen: 5.681 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Tgt Ion:142 Resp: 187
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: 5.016 min Scan# 51

Delta R.T. -0.030 min

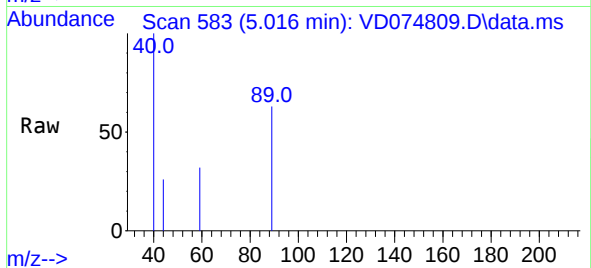
Lab File: VD074809.D

Acq: 08 Nov 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :

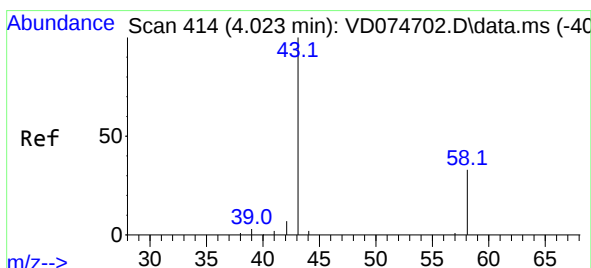
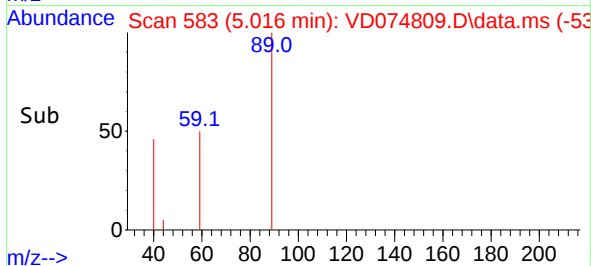
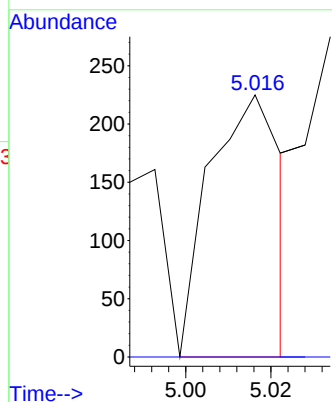


Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 6.128 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.001 min

Lab File: VD074809.D

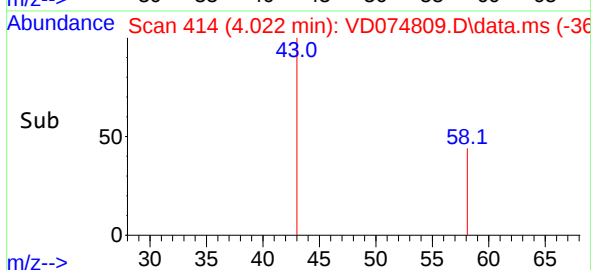
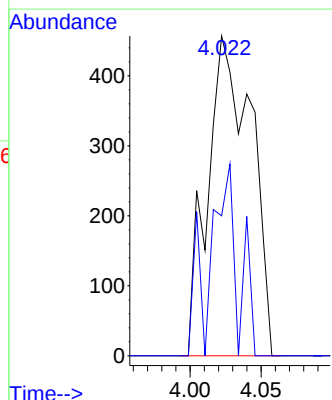
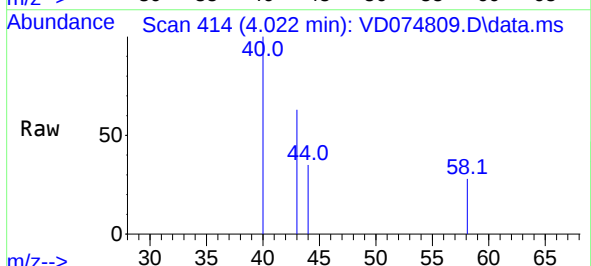
Acq: 08 Nov 2022 17:53

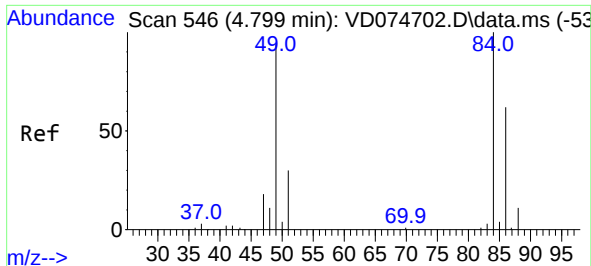
Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

43 100

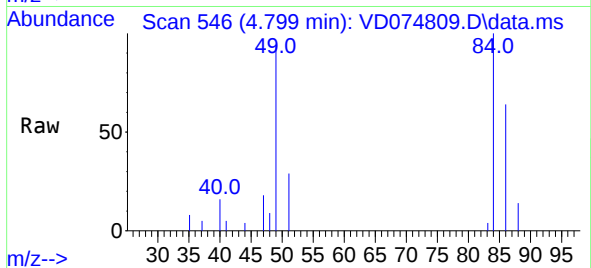
58 43.8 30.2 45.2





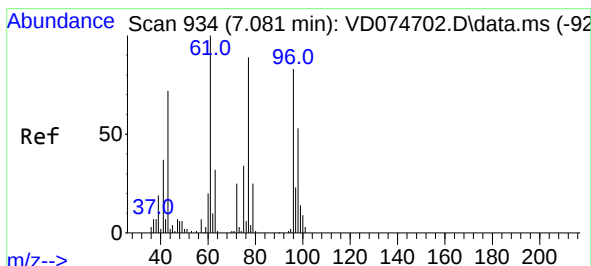
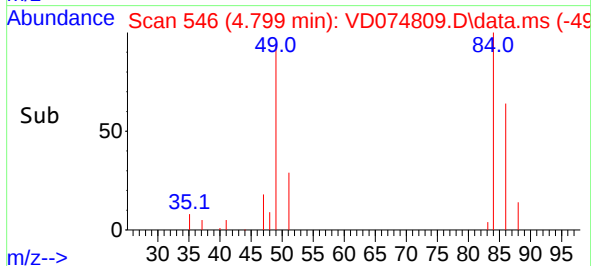
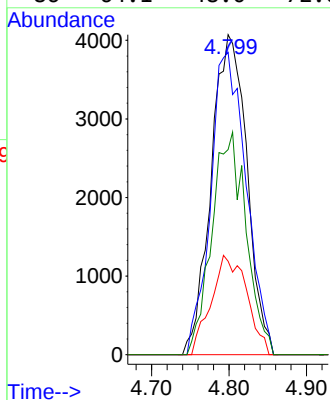
#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 13061

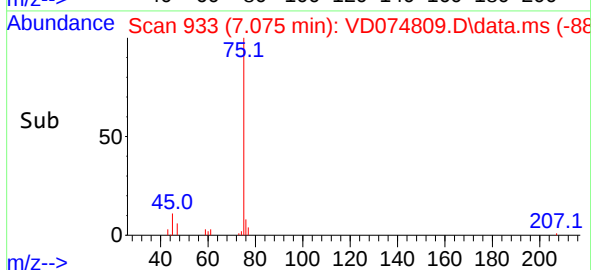
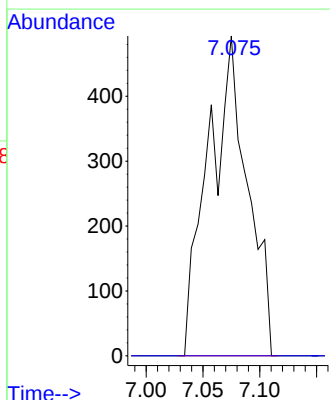
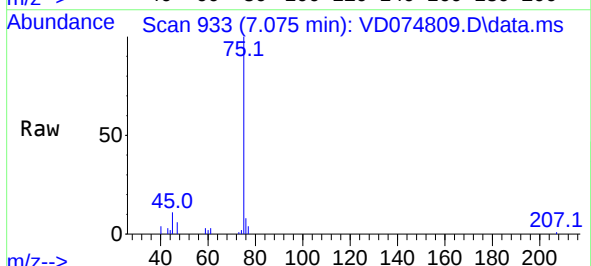
Ion	Ratio	Lower	Upper
84	100		
49	94.4	68.0	102.0
51	29.2	23.2	34.8
86	64.1	48.0	72.0

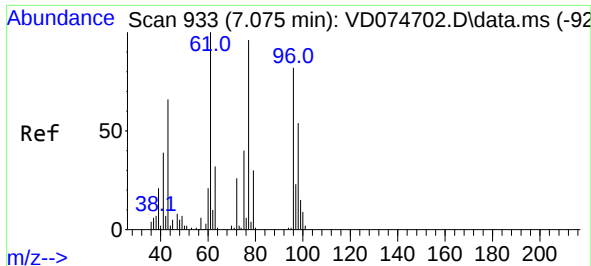


#25
2-Butanone
Concen: 5.364 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Tgt Ion: 43 Resp: 1183

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#26

2,2-Dichloropropane

Concen: 1.041 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074809.D

Acq: 08 Nov 2022 17:53

Instrument :

MSVOA_D

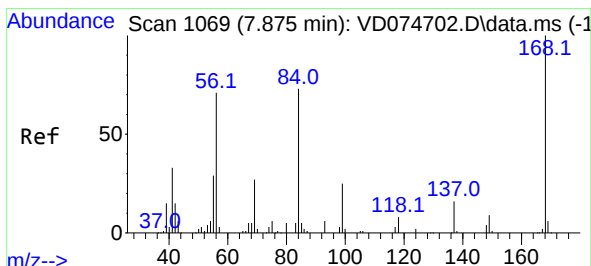
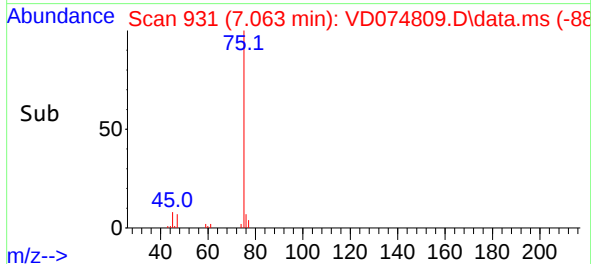
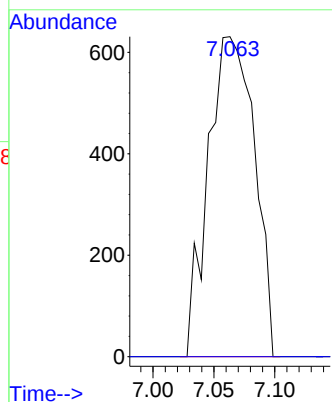
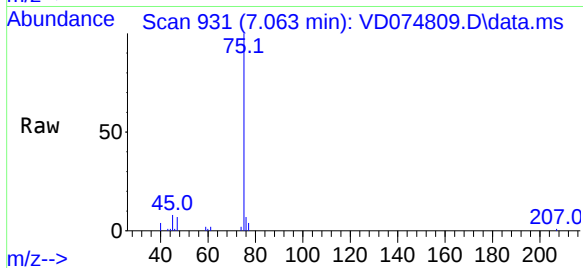
ClientSampleId :

Tgt Ion: 77 Resp: 1673

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD074809.D

Acq: 08 Nov 2022 17:53

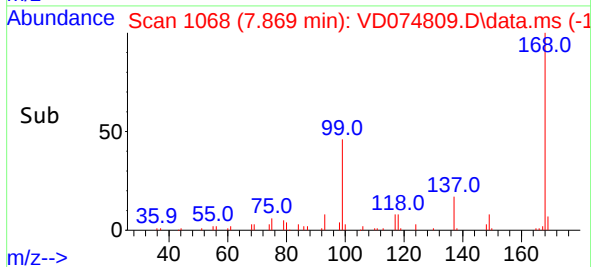
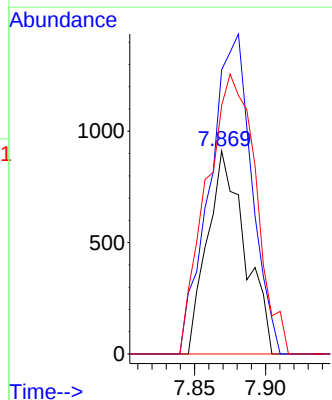
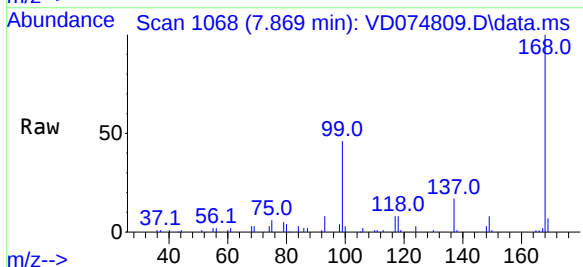
Tgt Ion: 56 Resp: 1671

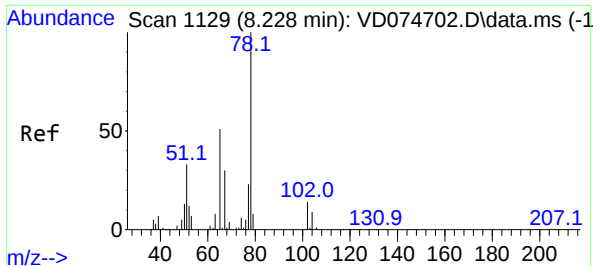
Ion Ratio Lower Upper

56 100

69 140.0 29.2 43.8#

84 122.3 83.4 125.2

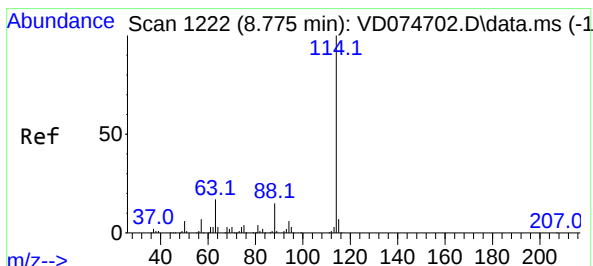
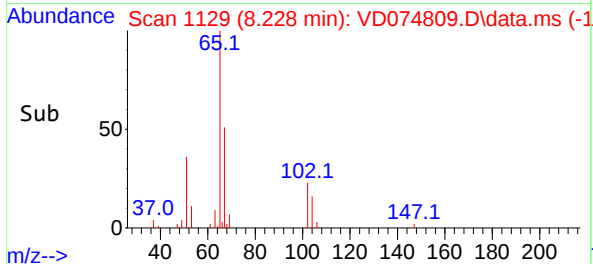
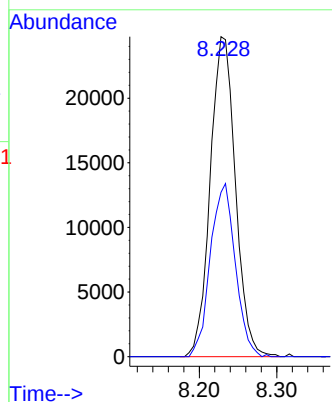
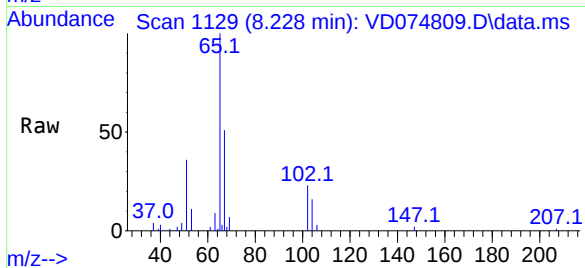




#33
1,2-Dichloroethane-d4
Concen: 72.837 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

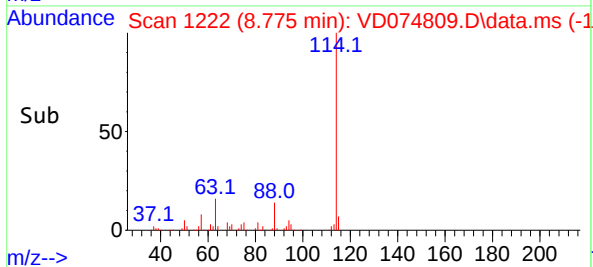
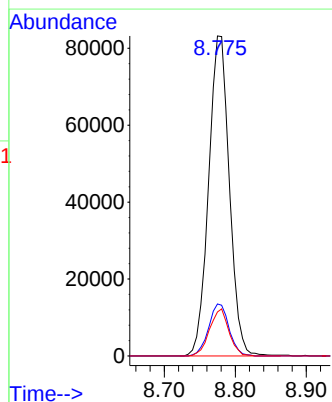
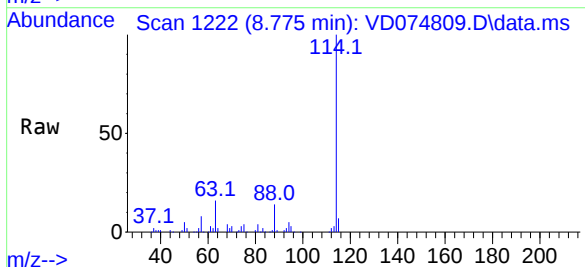
Instrument :
MSVOA_D
ClientSampleId :

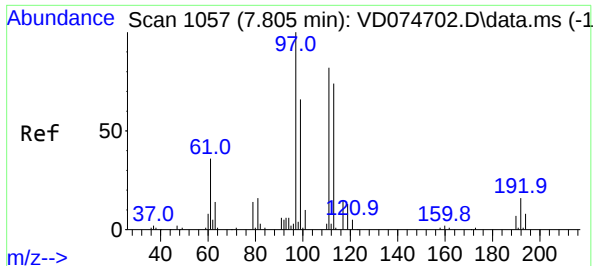
Tgt Ion: 65 Resp: 55990
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

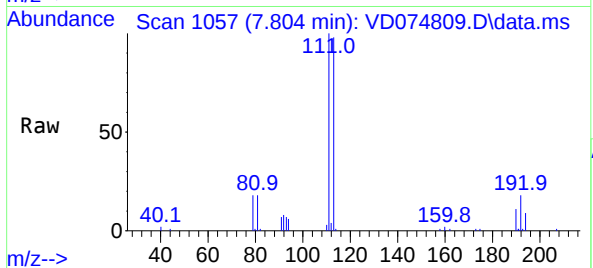
Tgt Ion: 114 Resp: 168832
Ion Ratio Lower Upper
114 100
63 16.2 0.0 33.2
88 13.8 0.0 28.2



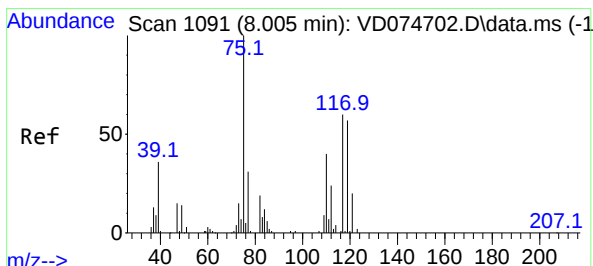
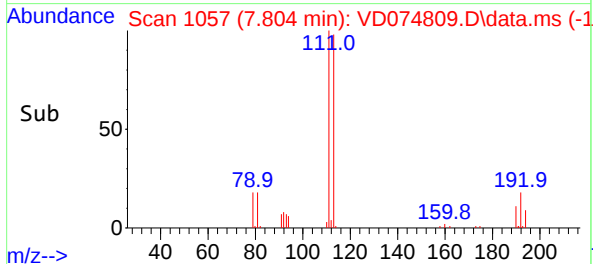
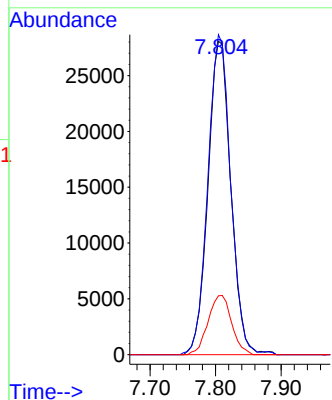


#35
Dibromofluoromethane
Concen: 68.119 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Instrument :
MSVOA_D
ClientSampleId :

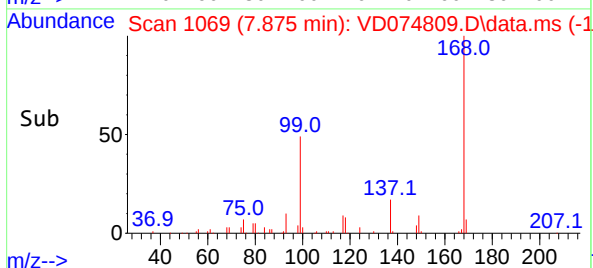
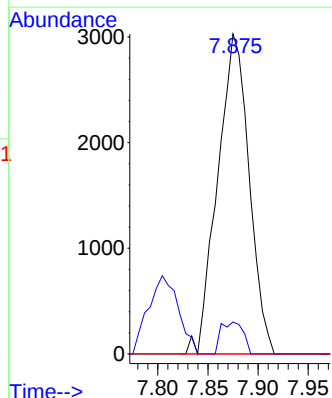
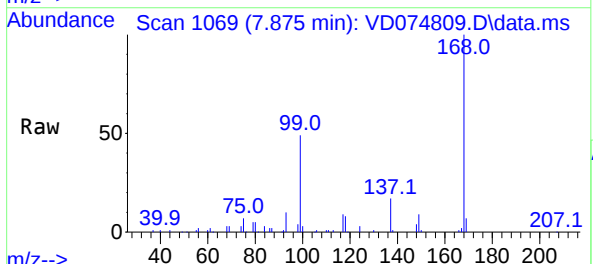


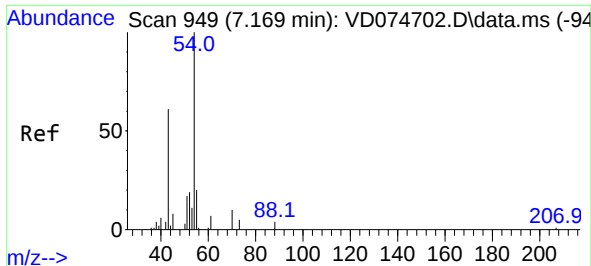
Tgt Ion:113 Resp: 68031
Ion Ratio Lower Upper
113 100
111 101.5 82.3 123.5
192 19.4 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.358 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Tgt Ion: 75 Resp: 6606
Ion Ratio Lower Upper
75 100
110 7.0 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.339 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

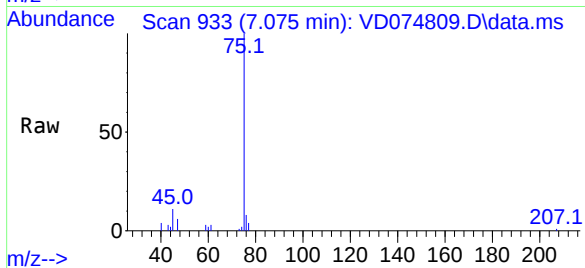
Lab File: VD074809.D

Acq: 08 Nov 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :



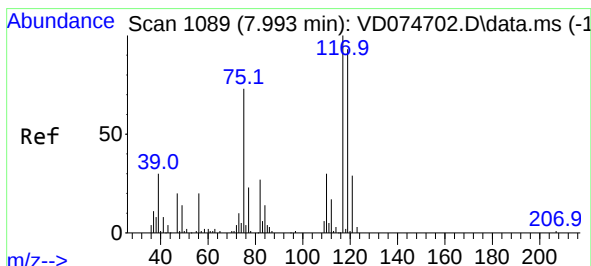
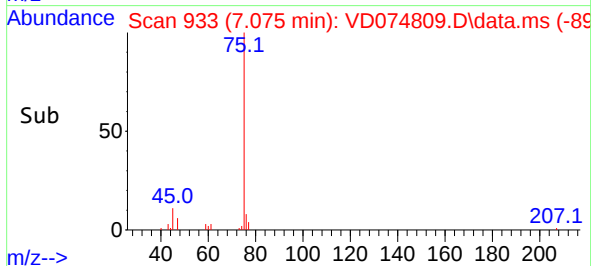
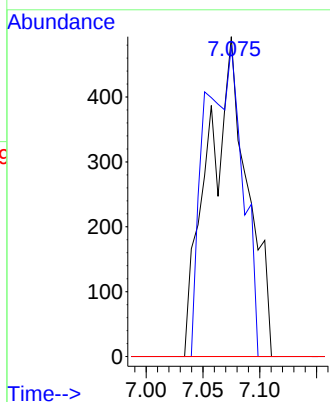
Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

61 92.8 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.286 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD074809.D

Acq: 08 Nov 2022 17:53

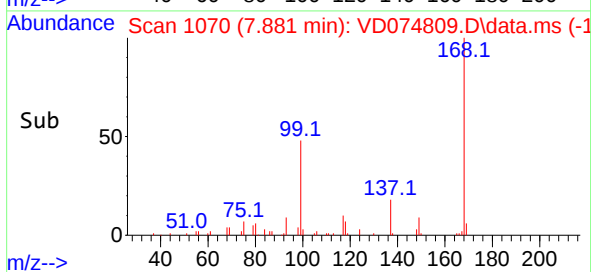
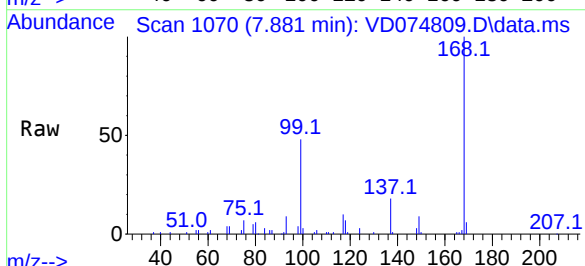
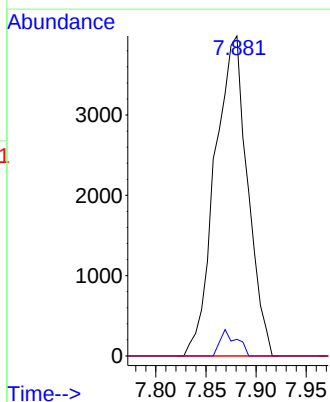
Tgt Ion: 117 Resp: 9028

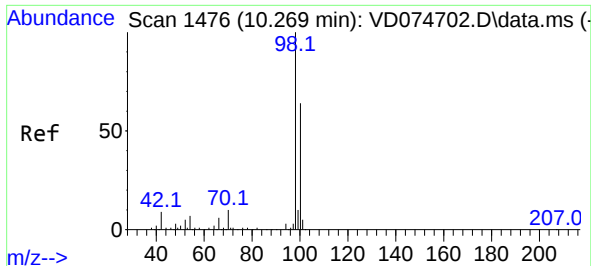
Ion Ratio Lower Upper

117 100

119 5.2 73.1 109.7#

121 0.0 25.0 37.6#

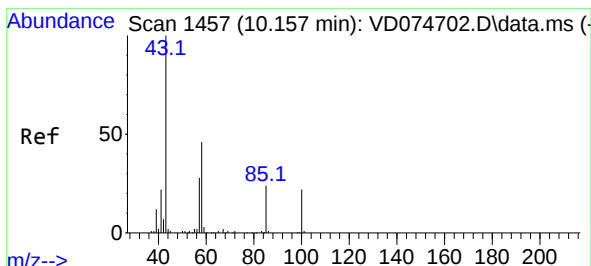
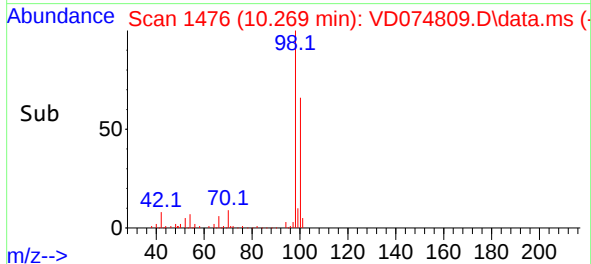
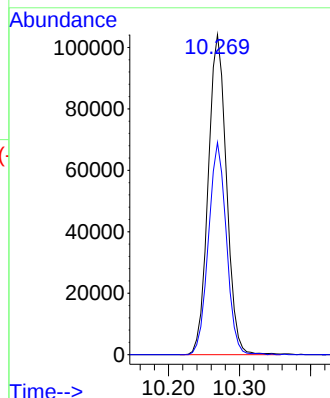
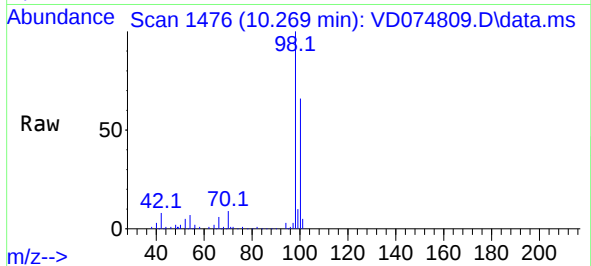




#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

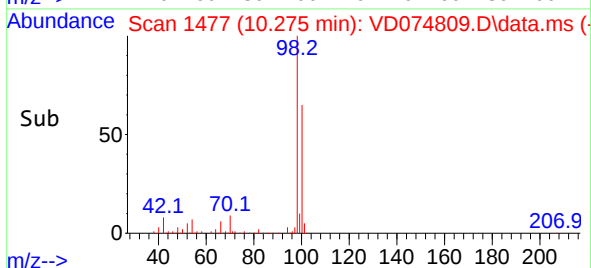
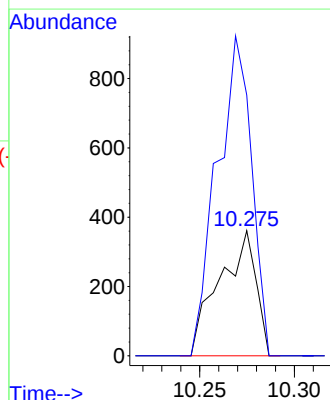
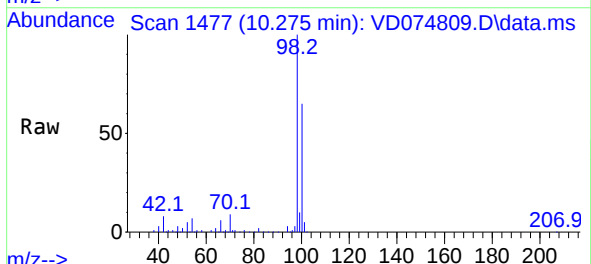
Instrument :
MSVOA_D
ClientSampleId :

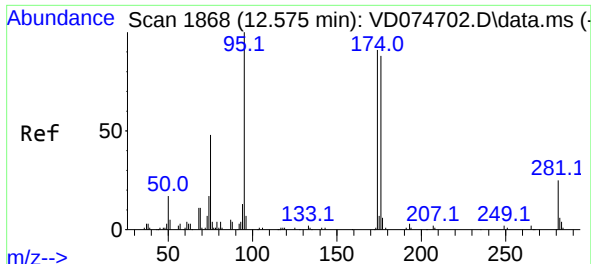
Tgt Ion: 98 Resp: 186325
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.063 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

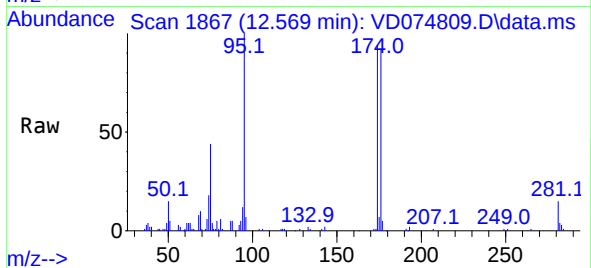
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 240.2 37.8 56.6#



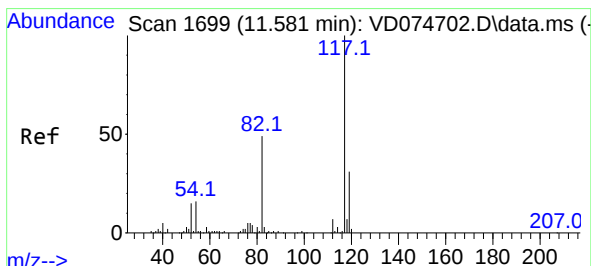
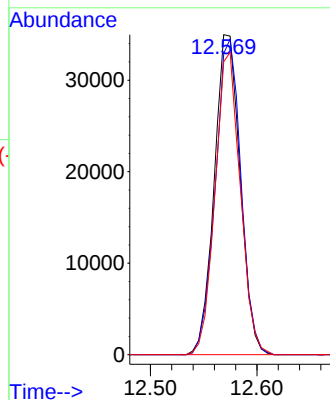
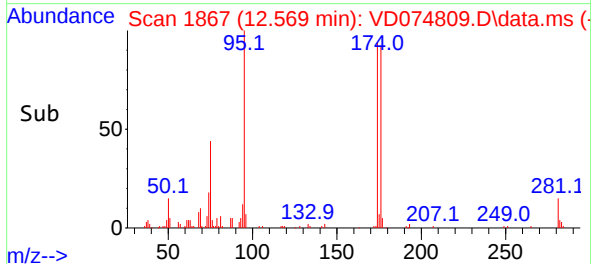


#62
4-Bromofluorobenzene
Concen: 56.067 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

Instrument :
MSVOA_D
ClientSampleId :

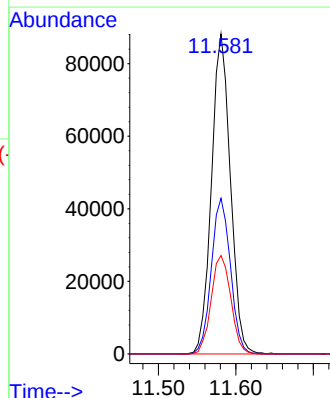
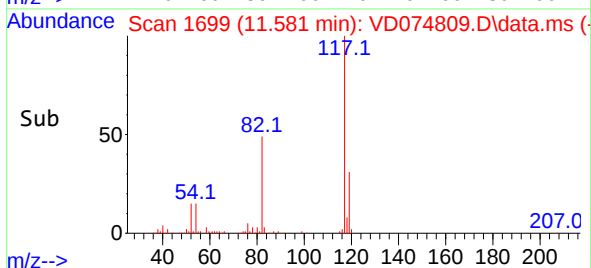
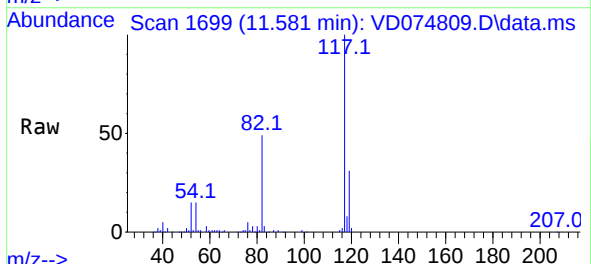


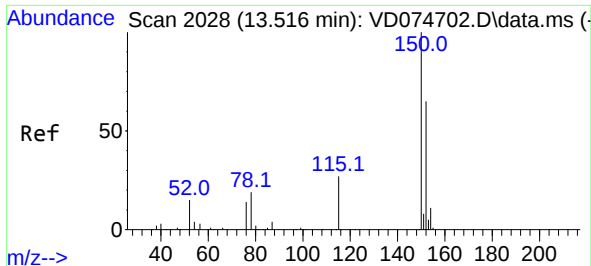
Tgt Ion: 95 Resp: 58974
Ion Ratio Lower Upper
95 100
174 97.5 0.0 197.0
176 91.7 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074809.D
Acq: 08 Nov 2022 17:53

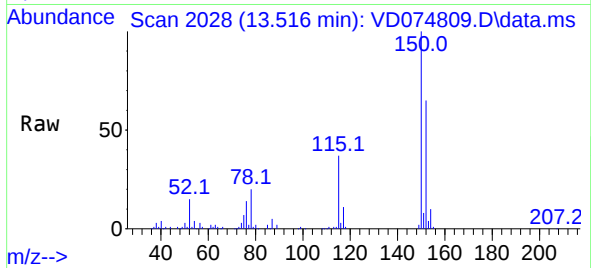
Tgt Ion: 117 Resp: 149556
Ion Ratio Lower Upper
117 100
82 48.7 41.6 62.4
119 30.8 25.2 37.8



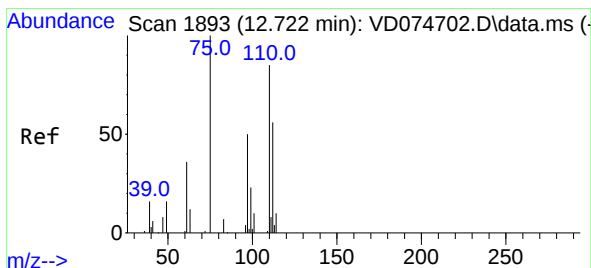
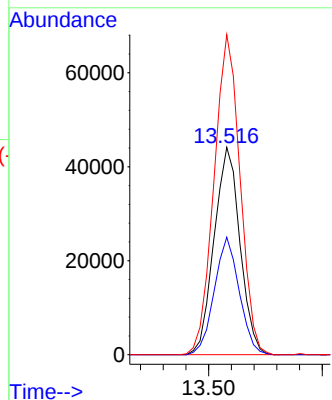
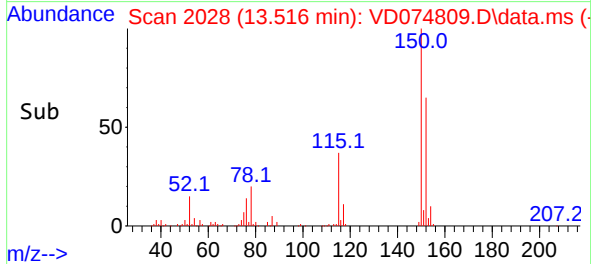


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD074809.D
 Acq: 08 Nov 2022 17:53

Instrument :
 MSVOA_D
 ClientSampleId :

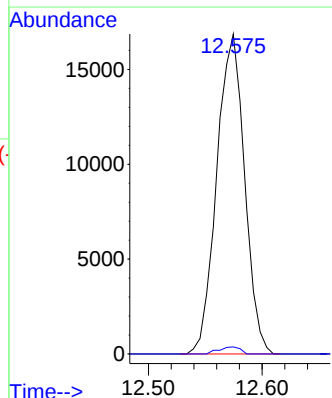
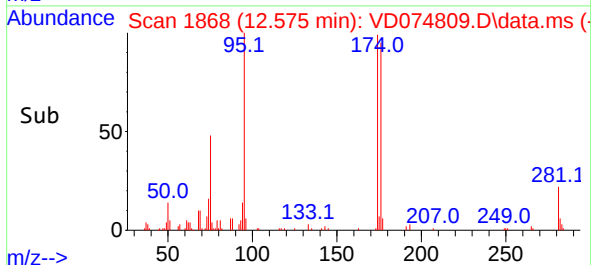
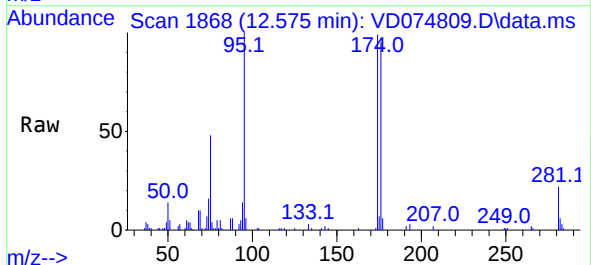


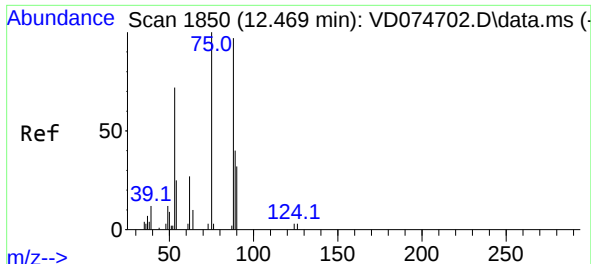
Tgt Ion:152 Resp: 69811
 Ion Ratio Lower Upper
 152 100
 115 54.6 26.8 80.4
 150 155.1 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 52.984 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD074809.D
 Acq: 08 Nov 2022 17:53

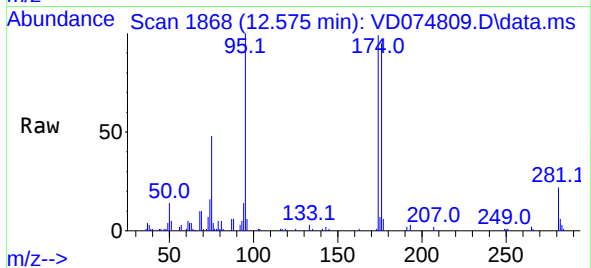
Tgt Ion: 75 Resp: 28674
 Ion Ratio Lower Upper
 75 100
 77 1.7 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.772 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074809.D
 Acq: 08 Nov 2022 17:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 28674
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

