

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075704.D
 Acq On : 17 Apr 2023 16:39
 Operator : KP/SY
 Sample : 02347-04RE
 Misc : 4.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1RE

Quant Time: Apr 18 01:18:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

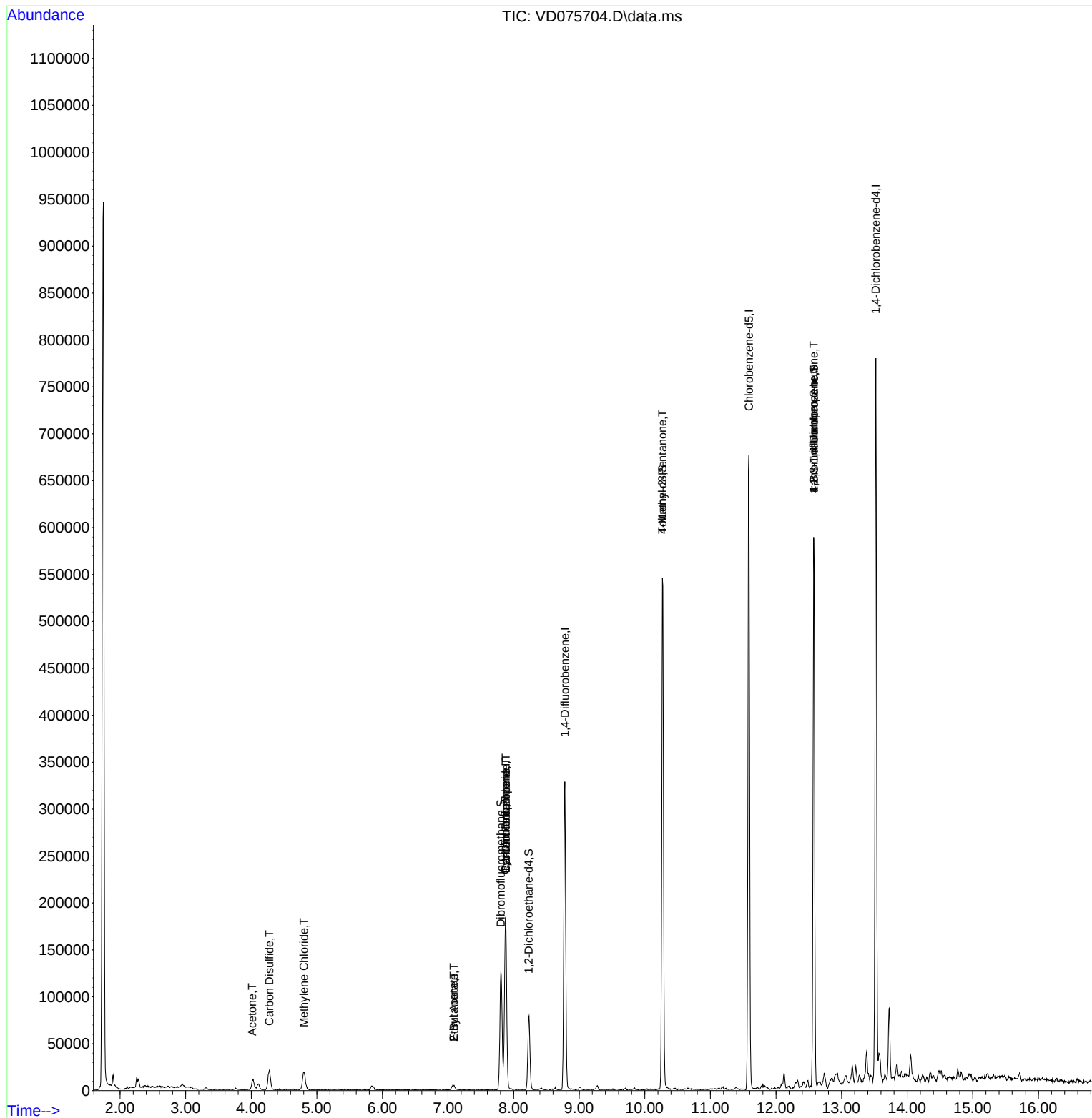
Internal Standards						
1) Pentafluorobenzene	7.881	168	152694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	313771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	423812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	212712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58257	40.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.380%
35) Dibromofluoromethane	7.805	113	96158	45.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.120%
50) Toluene-d8	10.269	98	406742	48.127	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.575	95	182951	81.444	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	162.880%#
Target Compounds						
					Qvalue	
16) Acetone	4.017	43	18140	68.318	ug/l #	84
17) Carbon Disulfide	4.275	76	45288	8.092	ug/l	95
20) Methylene Chloride	4.805	84	17549	4.330	ug/l #	73
25) 2-Butanone	7.087	43	5742	16.796	ug/l #	84
31) Cyclohexane	7.875	56	3960	1.741	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	11105	3.814	ug/l #	46
37) Ethyl Acetate	7.087	43	5742	6.481	ug/l #	80
38) Carbon Tetrachloride	7.881	117	14722	5.742	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1273	1.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	90170	51.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	90170	112.665	ug/l #	5

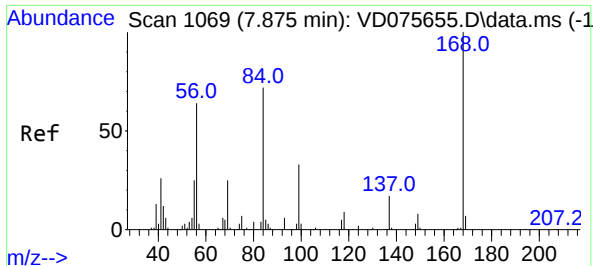
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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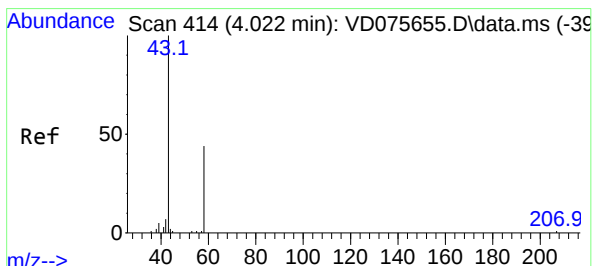
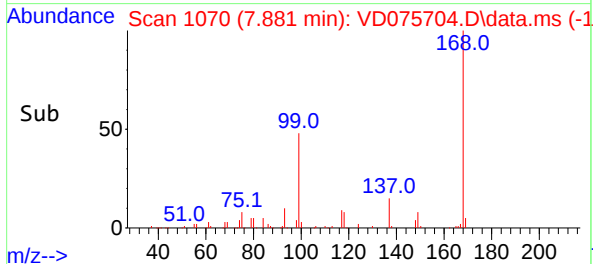
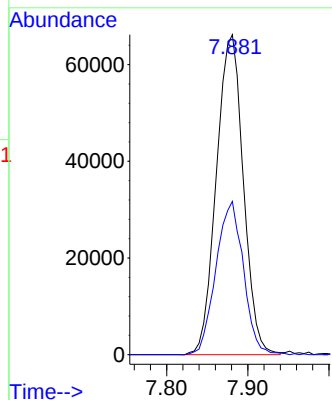
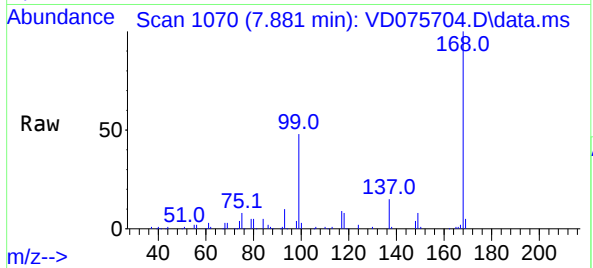




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

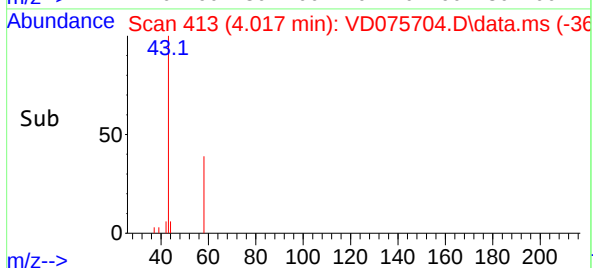
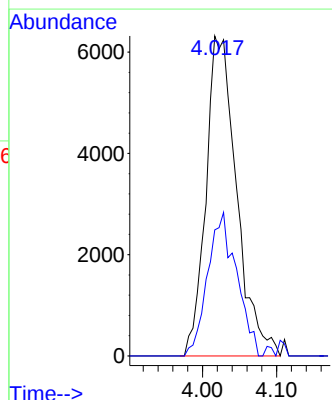
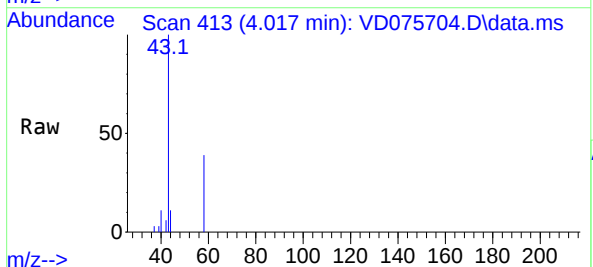
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1RE

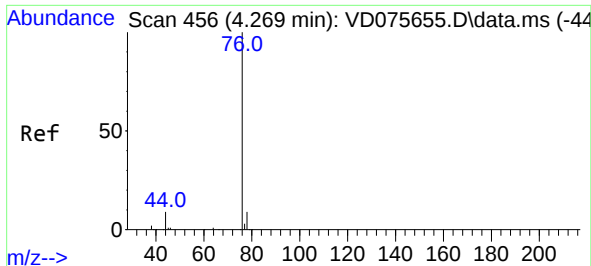
Tgt Ion:168 Resp: 152694
Ion Ratio Lower Upper
168 100
99 47.9 43.8 65.6



#16
Acetone
Concen: 68.318 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.005 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 43 Resp: 18140
Ion Ratio Lower Upper
43 100
58 39.4 24.4 36.6#

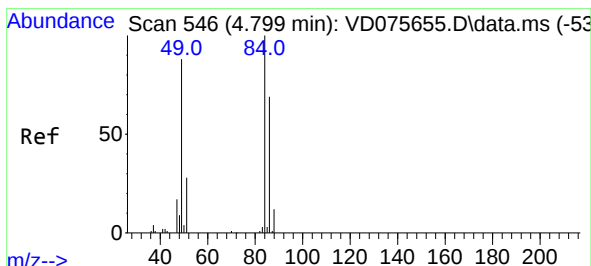
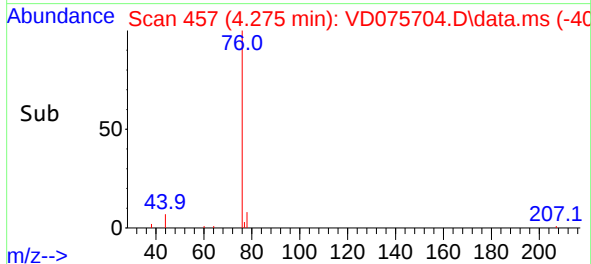
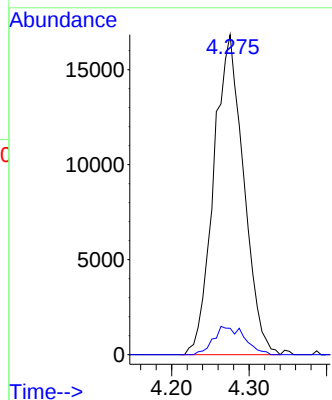
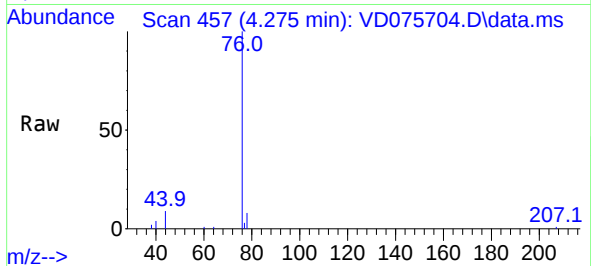




#17
Carbon Disulfide
Concen: 8.092 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

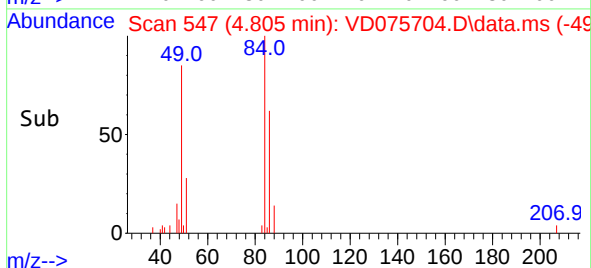
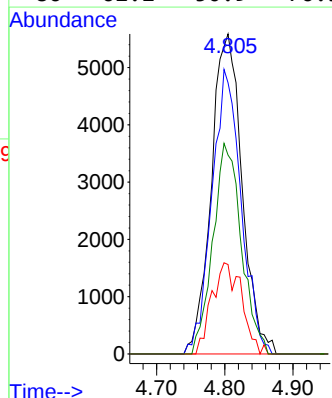
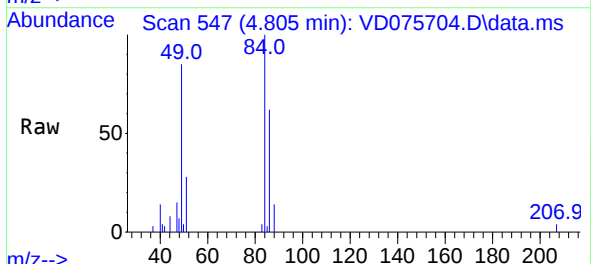
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1RE

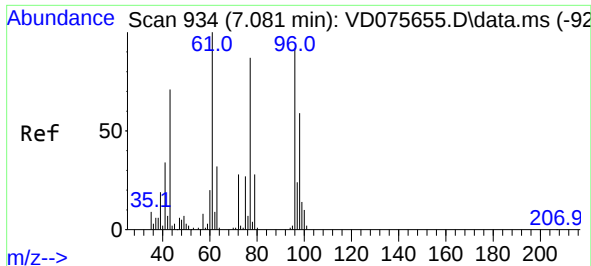
Tgt Ion: 76 Resp: 45288
Ion Ratio Lower Upper
76 100
78 8.3 8.0 12.0



#20
Methylene Chloride
Concen: 4.330 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 84 Resp: 17549
Ion Ratio Lower Upper
84 100
49 84.8 106.4 159.6#
51 28.0 32.4 48.6#
86 62.2 50.9 76.3

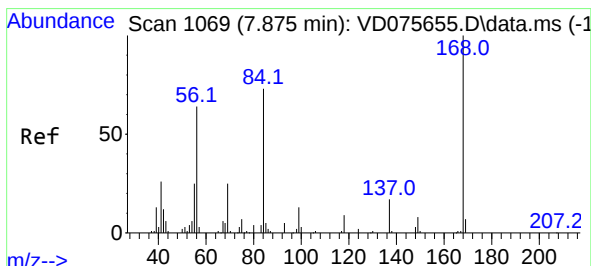
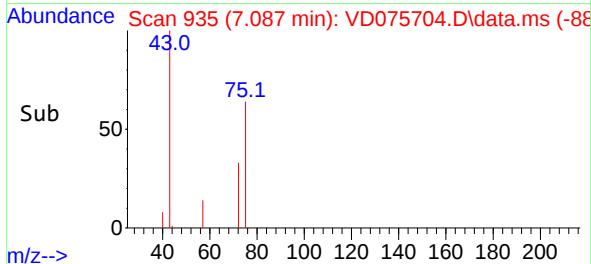
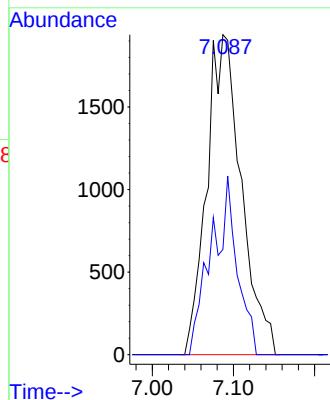
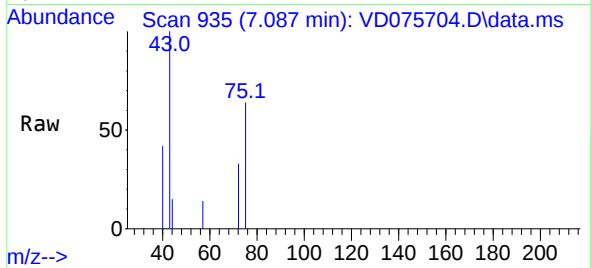




#25
2-Butanone
Concen: 16.796 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

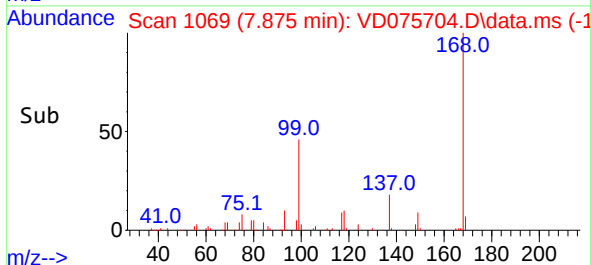
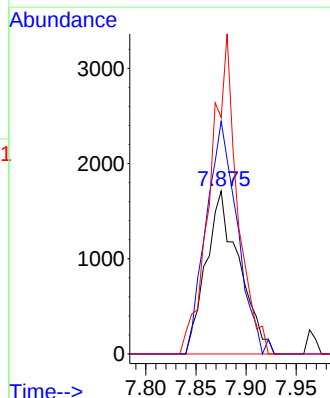
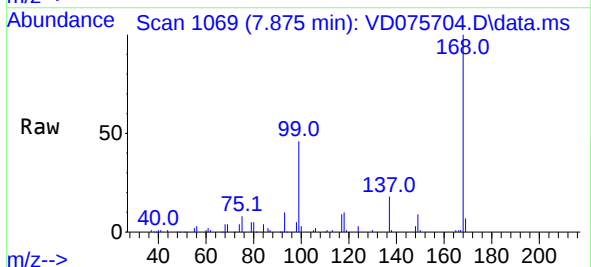
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1RE

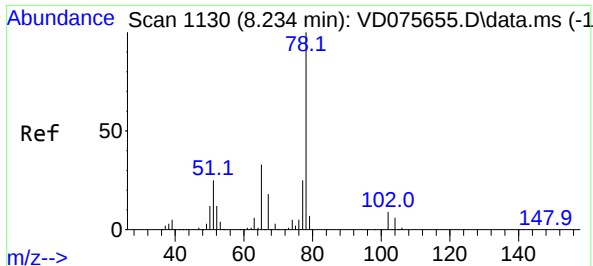
Tgt Ion: 43 Resp: 5742
Ion Ratio Lower Upper
43 100
72 32.9 19.8 29.8#



#31
Cyclohexane
Concen: 1.741 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 56 Resp: 3960
Ion Ratio Lower Upper
56 100
69 143.0 25.5 38.3#
84 145.2 69.6 104.4#

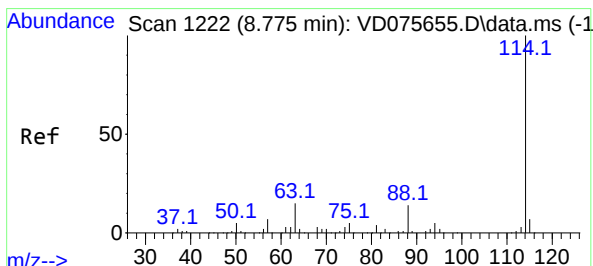
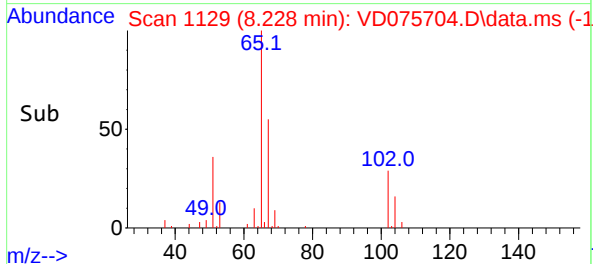
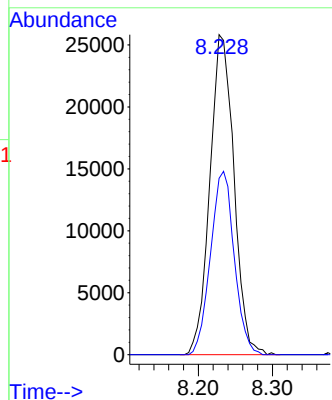
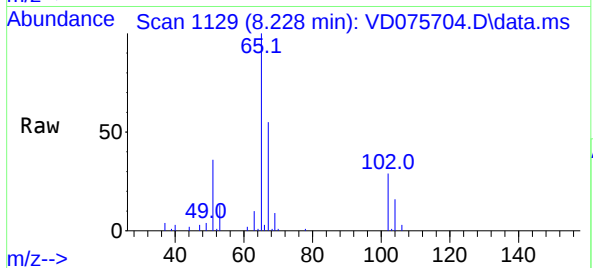




#33
1,2-Dichloroethane-d4
Concen: 40.195 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

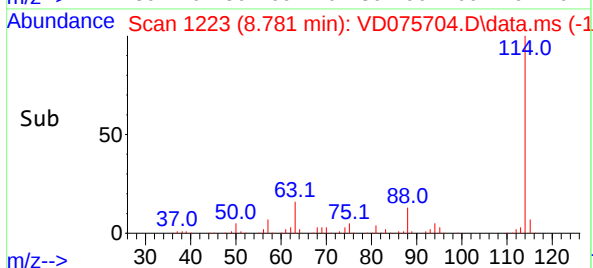
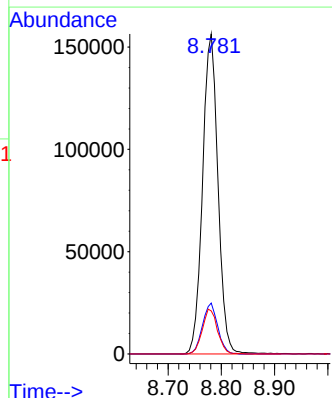
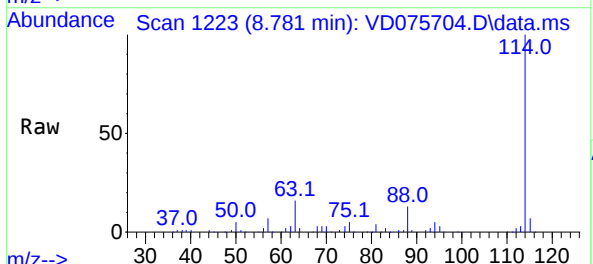
Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1RE

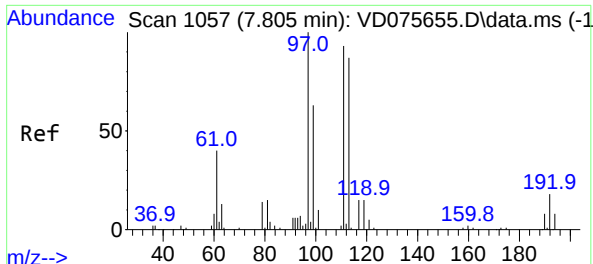
Tgt Ion: 65 Resp: 58257
Ion Ratio Lower Upper
65 100
67 56.5 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 114 Resp: 313771
Ion Ratio Lower Upper
114 100
63 15.9 0.0 41.6
88 13.5 0.0 30.6

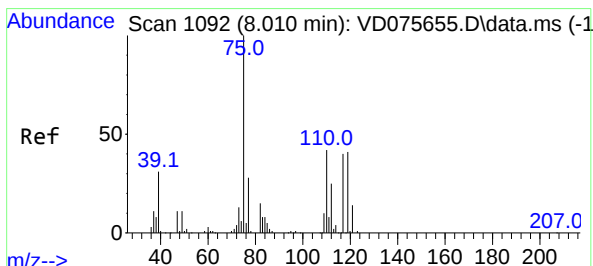
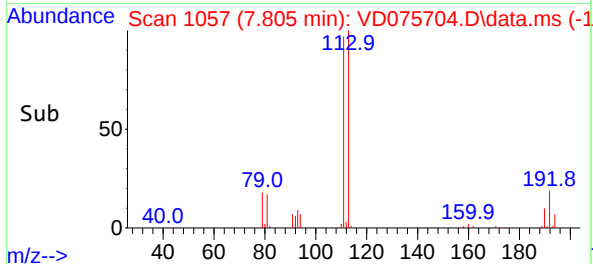
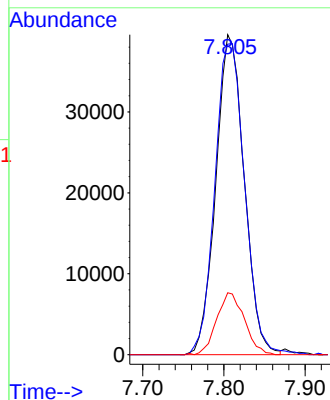
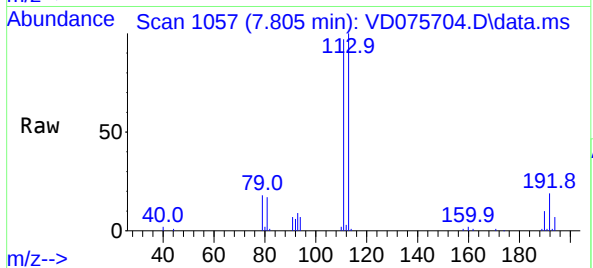




#35
Dibromofluoromethane
Concen: 45.563 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

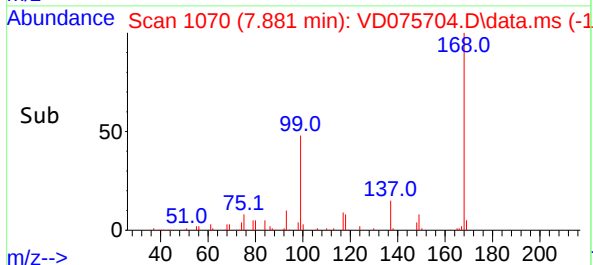
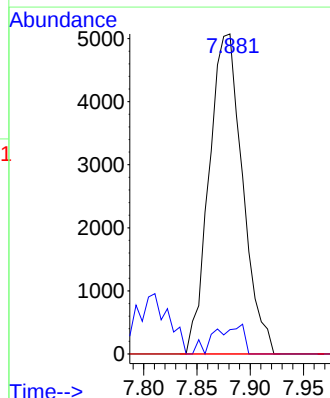
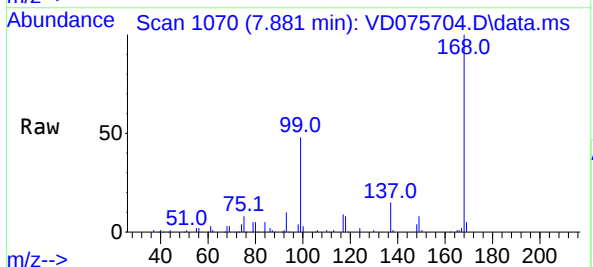
Instrument :
MSVOA_D
ClientSampleId :
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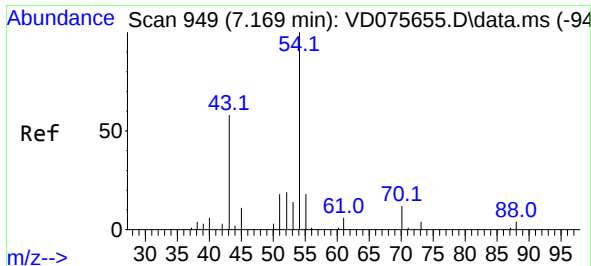
Tgt Ion:	113	Resp:	96158
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	18.9	15.2	22.8



#36
1,1-Dichloropropene
Concen: 3.814 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion:	75	Resp:	11105
Ion	Ratio	Lower	Upper
75	100		
110	3.9	17.1	51.2#
77	0.0	24.6	36.8#





#37

Ethyl Acetate

Concen: 6.481 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD075704.D

Acq: 17 Apr 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

20230295-26-1RE

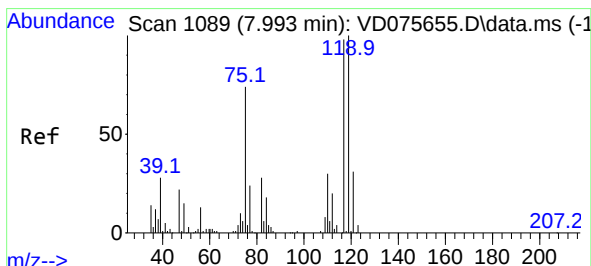
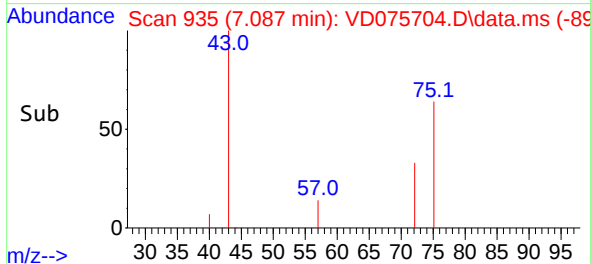
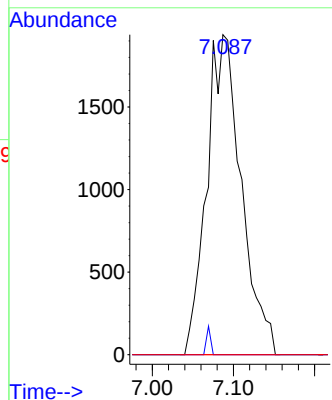
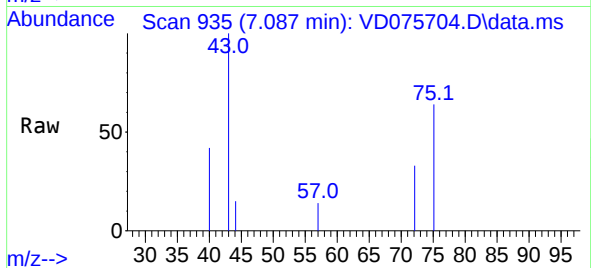
Tgt Ion: 43 Resp: 5742

Ion Ratio Lower Upper

43 100

61 1.1 0.0 0.0#

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075704.D

Acq: 17 Apr 2023 16:39

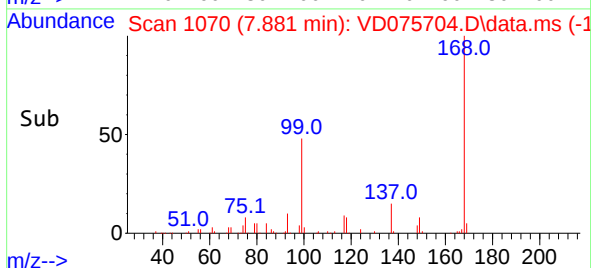
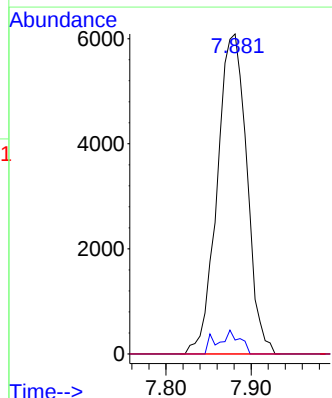
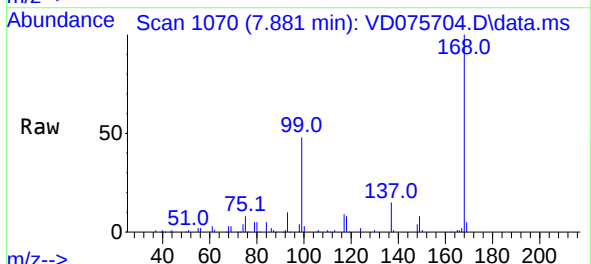
Tgt Ion: 117 Resp: 14722

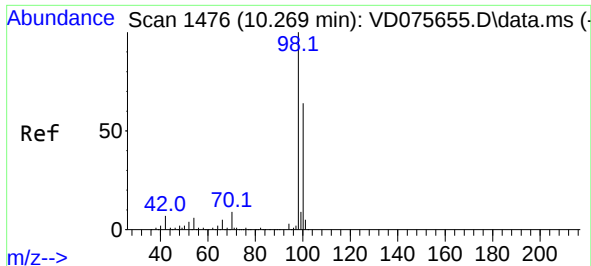
Ion Ratio Lower Upper

117 100

119 4.4 74.7 112.1#

121 0.0 25.9 38.9#

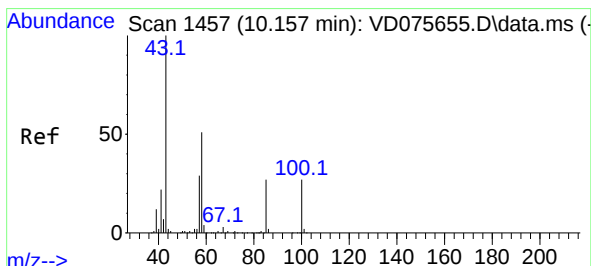
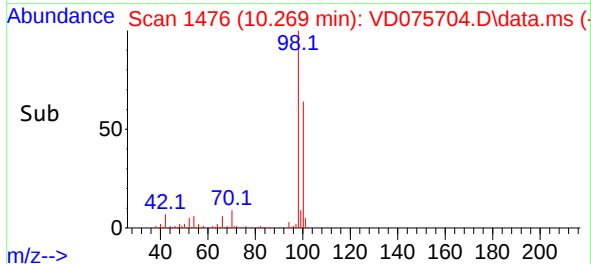
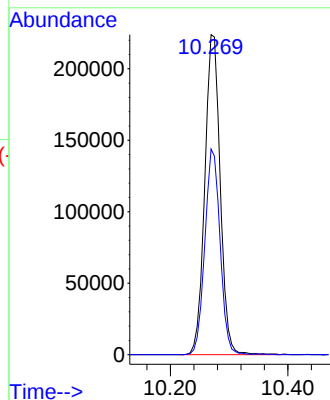
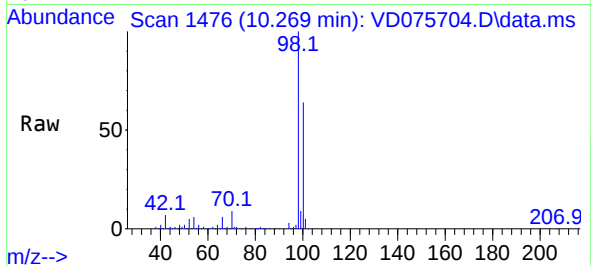




#50
Toluene-d8
Concen: 48.127 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

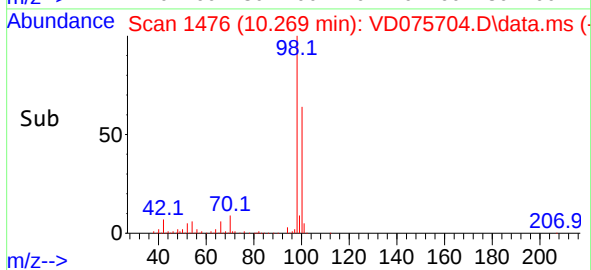
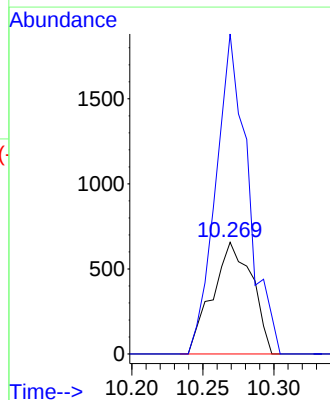
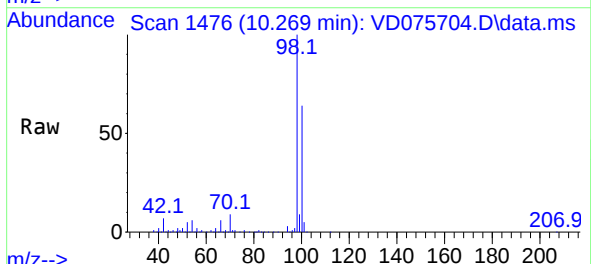
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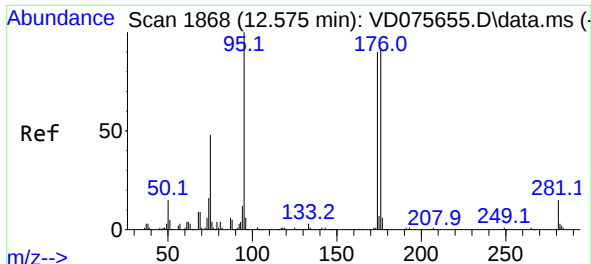
Tgt Ion: 98 Resp: 406742
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.478 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 233.6 29.5 44.3#



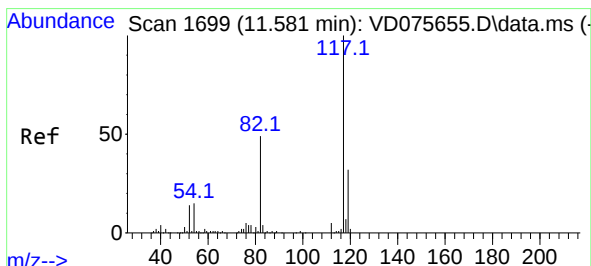
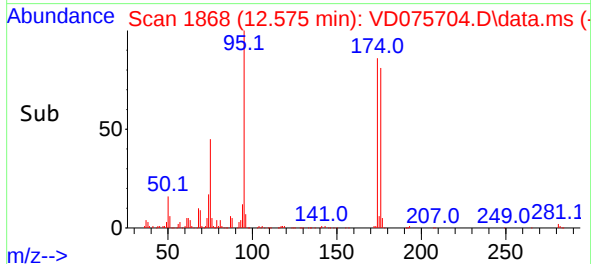
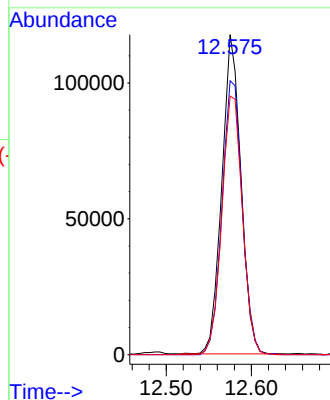
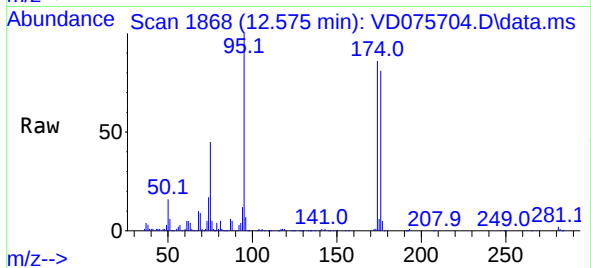


#62
4-Bromofluorobenzene
Concen: 81.444 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Instrument :
MSVOA_D
ClientSampleId :
20230295-26-1RE

Tgt Ion: 95 Resp: 182951

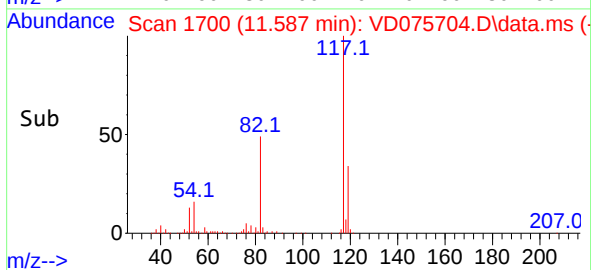
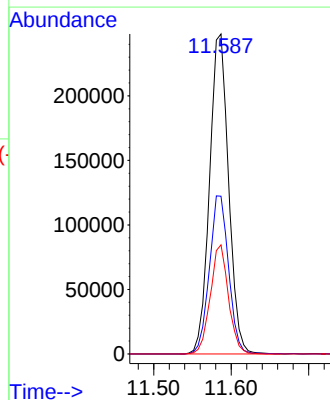
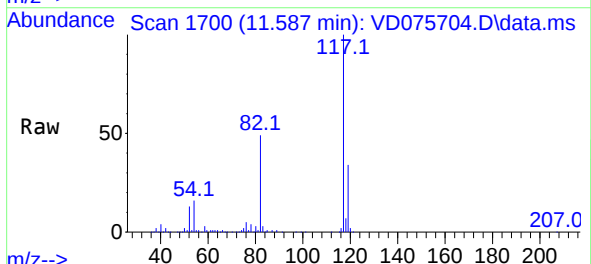
Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	164.0
176	87.2	0.0	156.8

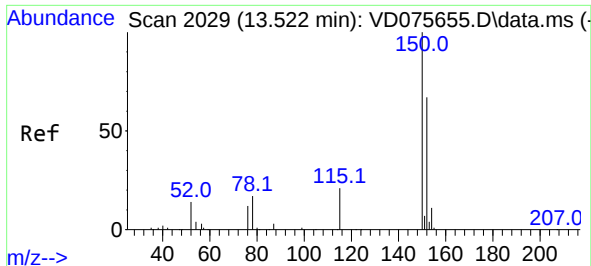


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075704.D
Acq: 17 Apr 2023 16:39

Tgt Ion: 117 Resp: 423812

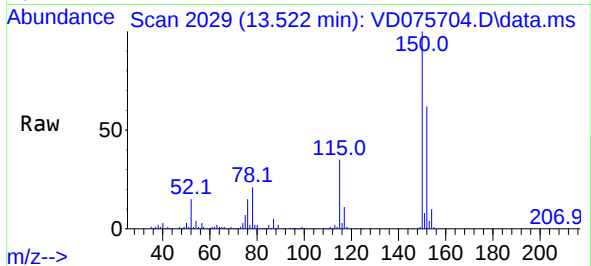
Ion	Ratio	Lower	Upper
117	100		
82	49.3	44.0	66.0
119	34.1	25.1	37.7



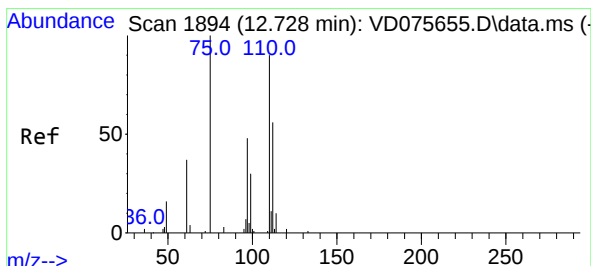
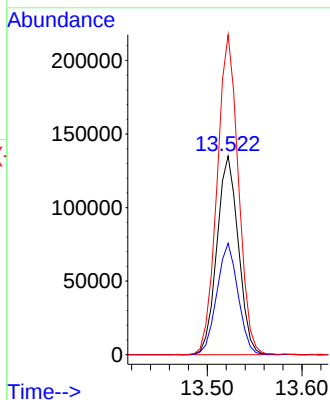
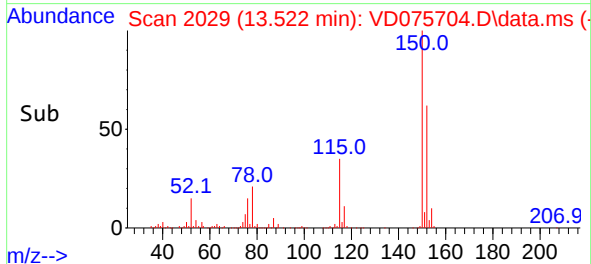


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075704.D
 Acq: 17 Apr 2023 16:39

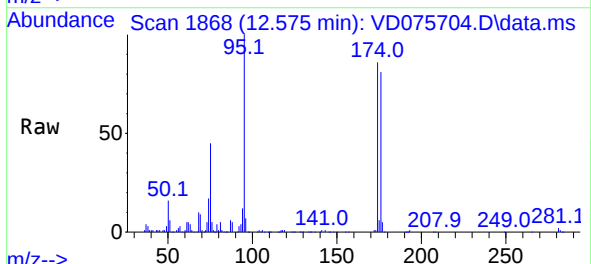
Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1RE



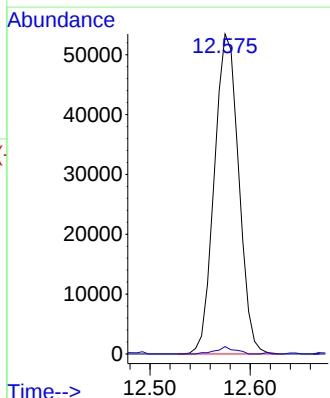
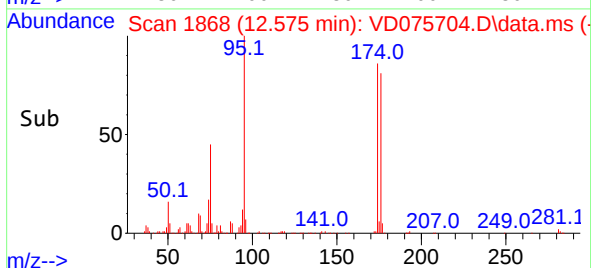
Tgt Ion:152 Resp: 212712
 Ion Ratio Lower Upper
 152 100
 115 55.5 30.1 90.3
 150 160.1 0.0 364.8

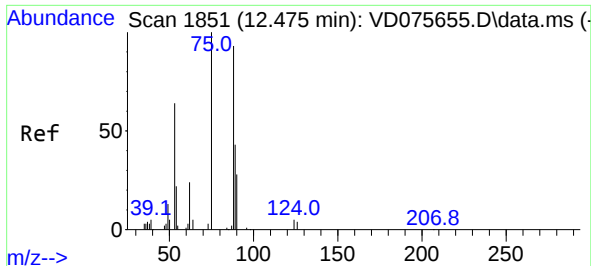


#76
 1,2,3-Trichloropropane
 Concen: 51.982 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075704.D
 Acq: 17 Apr 2023 16:39



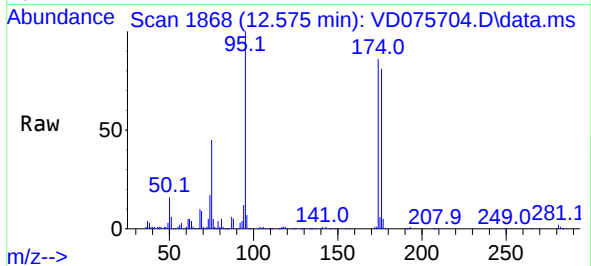
Tgt Ion: 75 Resp: 90170
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.665 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075704.D
 Acq: 17 Apr 2023 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 20230295-26-1RE



Tgt Ion:	75	Resp:	90170
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.1	40.2	60.4#

