

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076760.D
 Acq On : 17 Jul 2023 17:52
 Operator : KP/SY
 Sample : 03638-21
 Misc : 4.58G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP6

Quant Time: Jul 18 01:24:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

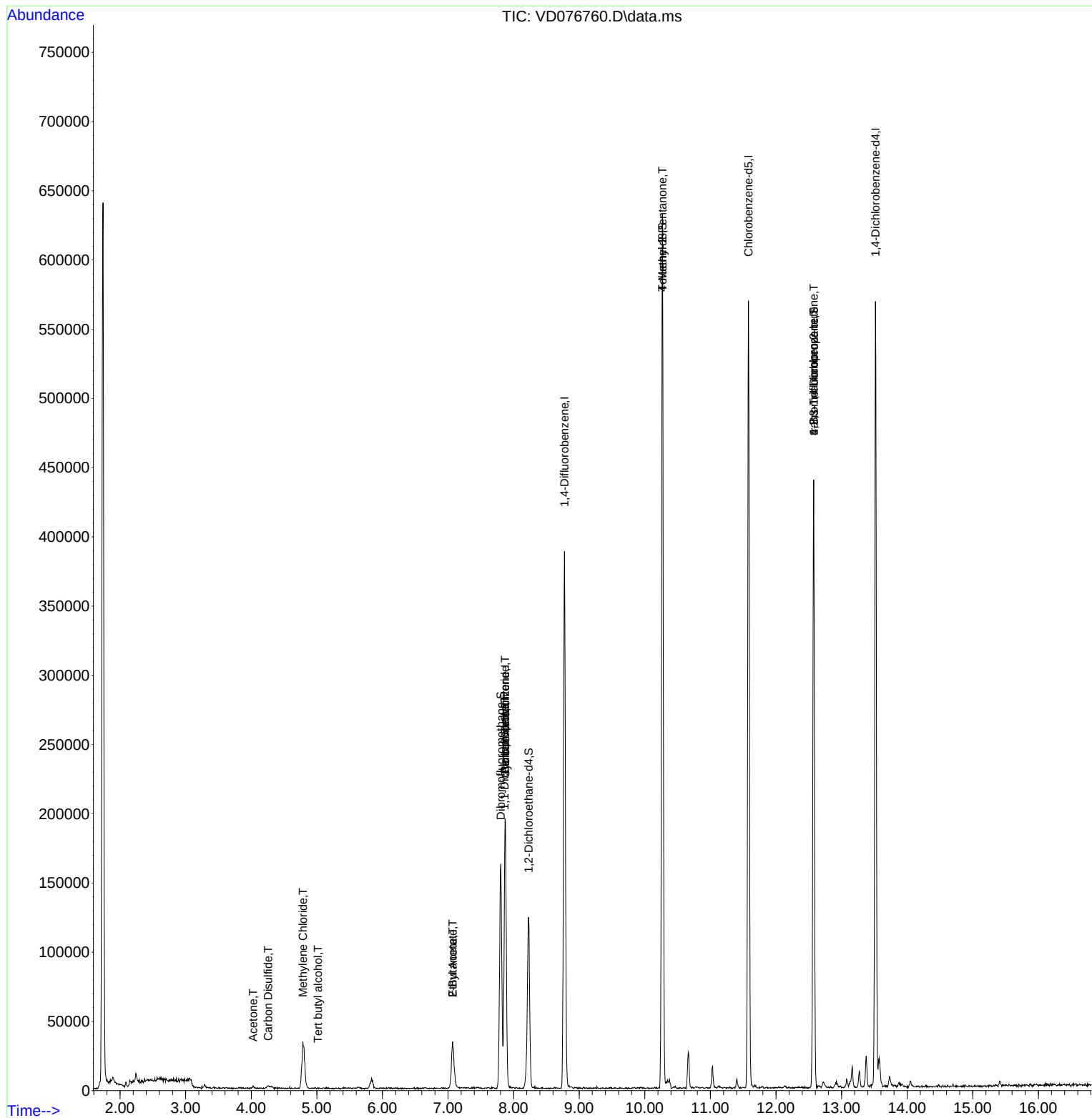
Internal Standards						
1) Pentafluorobenzene	7.869	168	151829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	356238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	336304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93993	62.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.300%	
35) Dibromofluoromethane	7.805	113	119435	53.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.269	98	438212	54.719	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.440%	
62) 4-Bromofluorobenzene	12.575	95	132376	51.096	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.016	59	203	1.799	ug/l #	73
16) Acetone	4.028	43	1955	5.413	ug/l #	73
17) Carbon Disulfide	4.258	76	3937	1.124	ug/l #	72
20) Methylene Chloride	4.787	84	26565	2.586	ug/l	93
25) 2-Butanone	7.069	43	1710	3.538	ug/l #	37
31) Cyclohexane	7.875	56	3229	1.451	ug/l #	5
36) 1,1-Dichloropropene	7.863	75	12315	4.210	ug/l #	46
37) Ethyl Acetate	7.069	43	1710	1.307	ug/l #	1
38) Carbon Tetrachloride	7.869	117	16249	5.801	ug/l #	13
51) 4-Methyl-2-Pentanone	10.269	43	1793	1.319	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	69002	47.837	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	69002	101.809	ug/l #	17

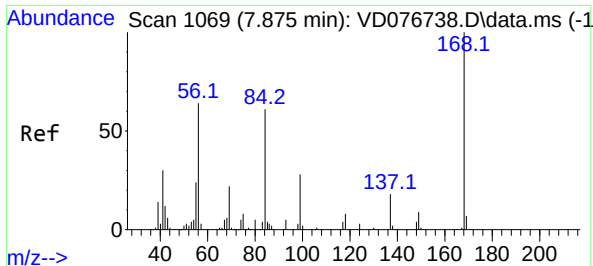
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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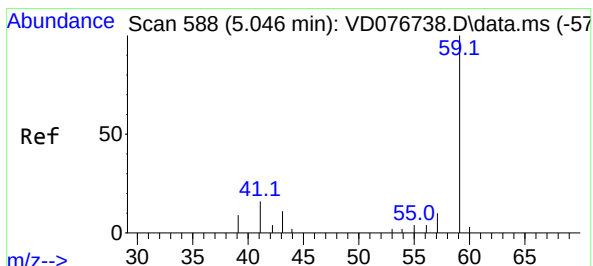
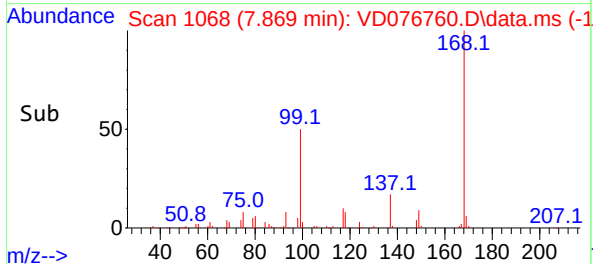
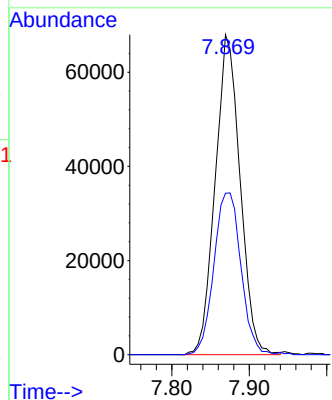
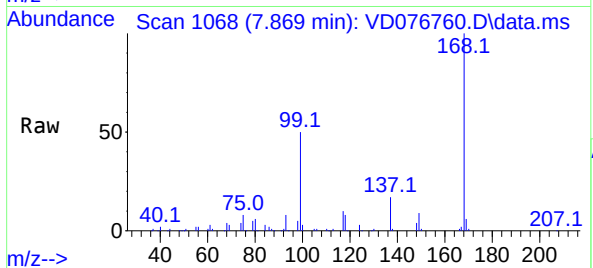




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

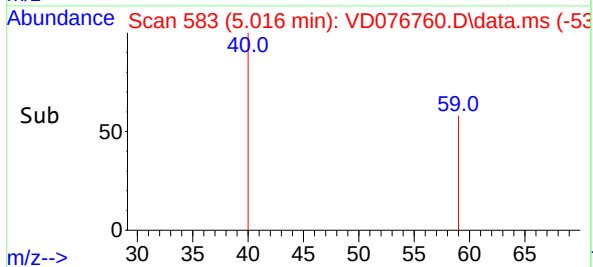
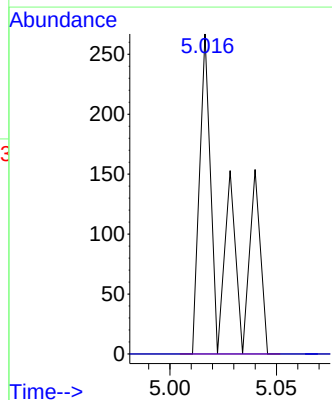
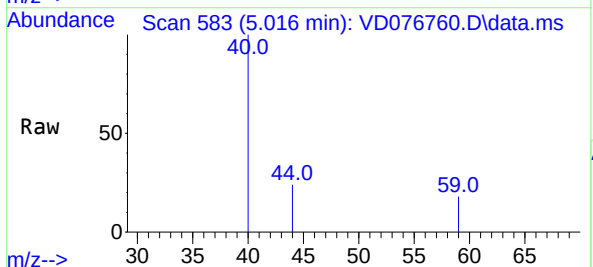
Instrument :
MSVOA_D
ClientSampleId :
TP6

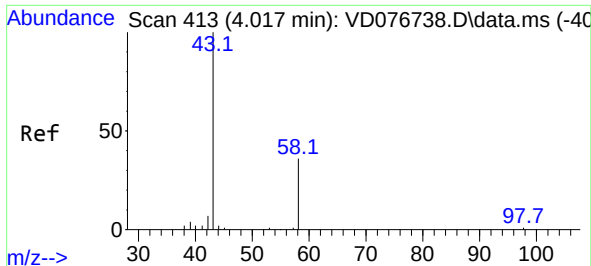
Tgt Ion:168 Resp: 151829
Ion Ratio Lower Upper
168 100
99 50.4 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.799 ug/l
RT: 5.016 min Scan# 583
Delta R.T. -0.030 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

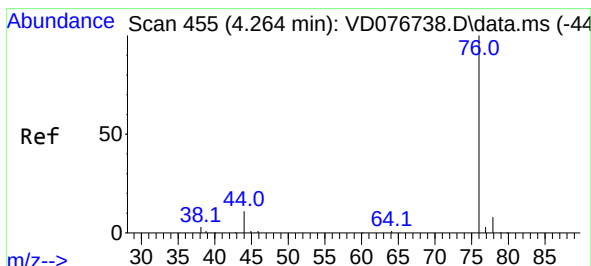
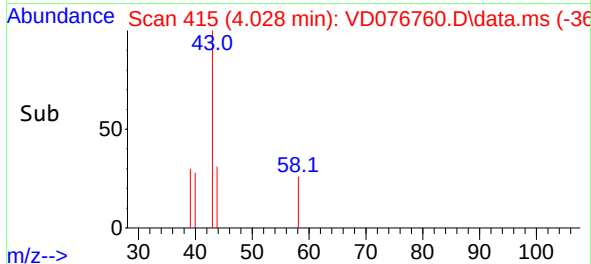
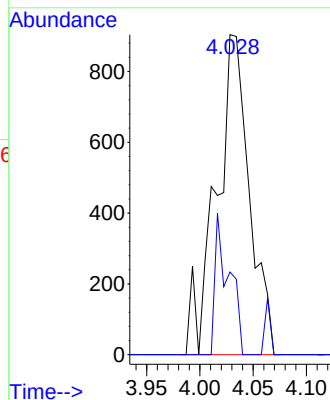
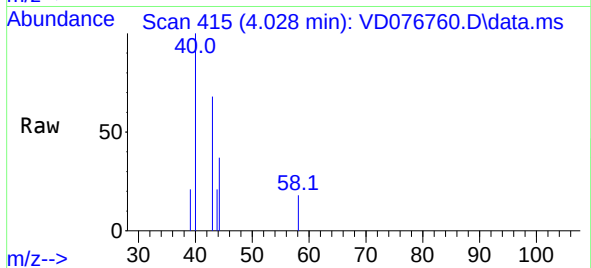




#16
Acetone
Concen: 5.413 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

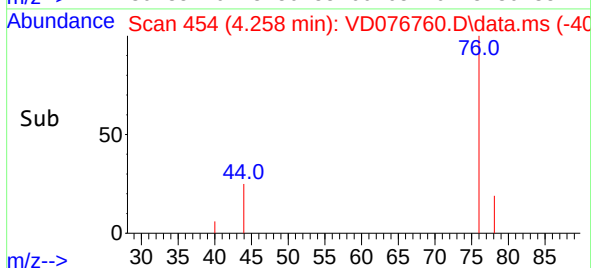
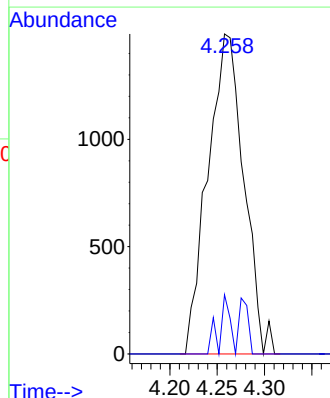
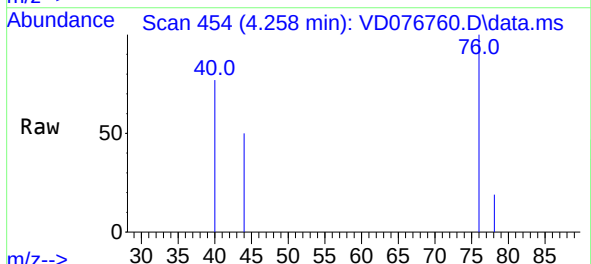
Instrument :
MSVOA_D
ClientSampleId :
TP6

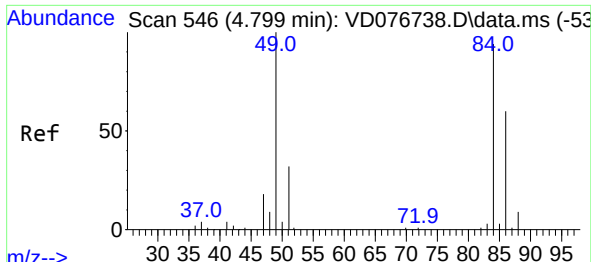
Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 25.9 34.7 52.1#



#17
Carbon Disulfide
Concen: 1.124 ug/l
RT: 4.258 min Scan# 454
Delta R.T. -0.006 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

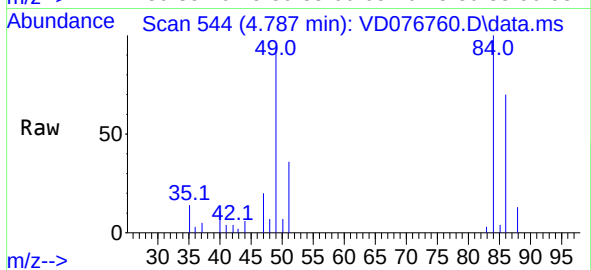
Tgt Ion: 76 Resp: 3937
Ion Ratio Lower Upper
76 100
78 18.5 6.8 10.2#



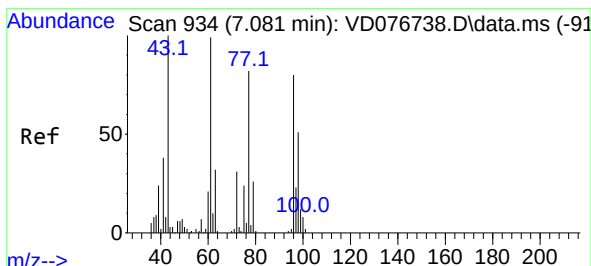
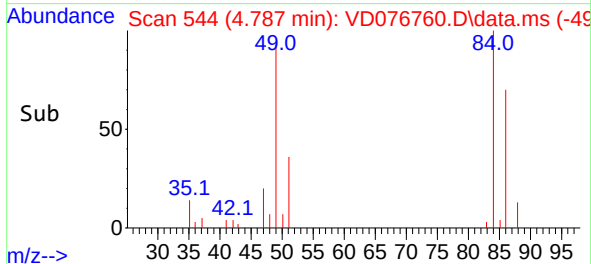
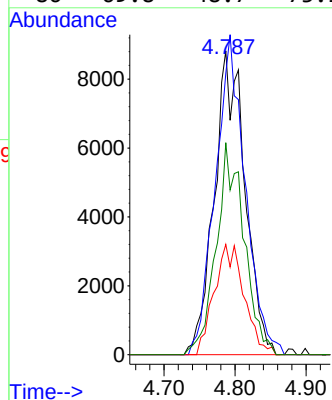


#20
Methylene Chloride
Concen: 2.586 ug/l
RT: 4.787 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Instrument :
MSVOA_D
ClientSampleId :
TP6

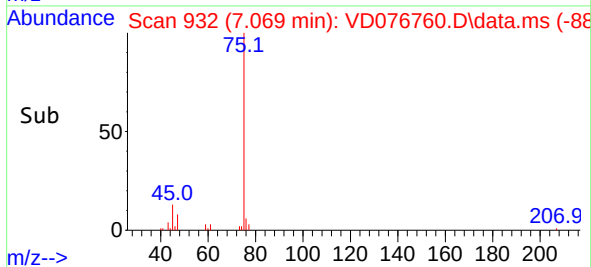
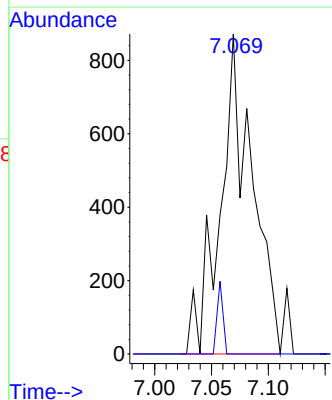
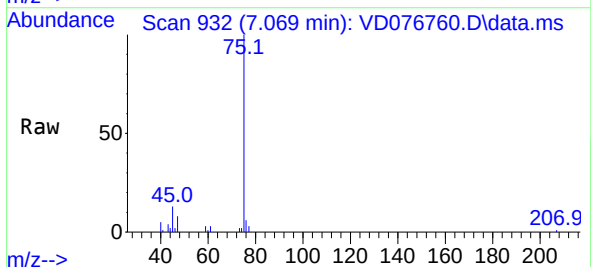


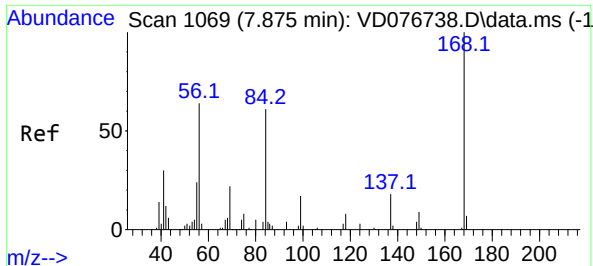
Tgt Ion:	84	Resp:	26565
Ion	Ratio	Lower	Upper
84	100		
49	92.6	71.4	107.2
51	36.3	24.5	36.7
86	69.8	48.7	73.1



#25
2-Butanone
Concen: 3.538 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

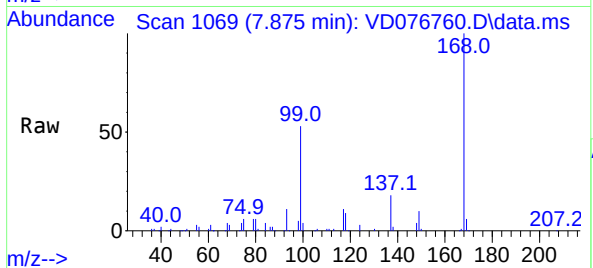
Tgt Ion:	43	Resp:	1710
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



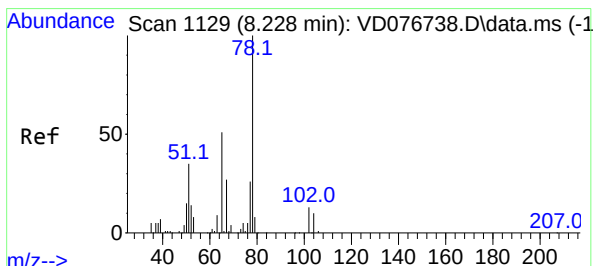
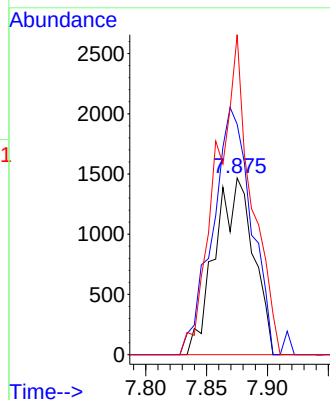
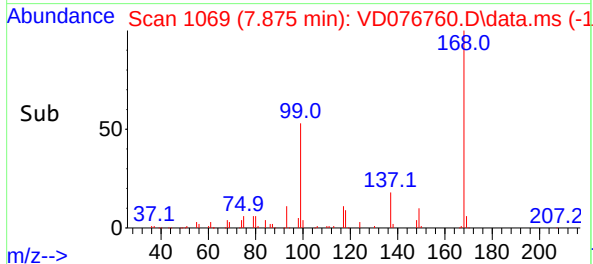


#31
Cyclohexane
Concen: 1.451 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Instrument :
MSVOA_D
ClientSampleId :
TP6

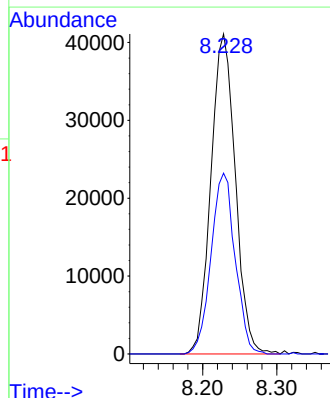
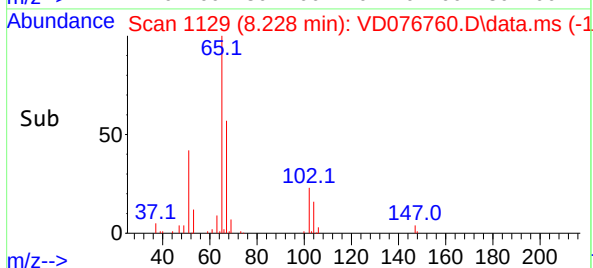
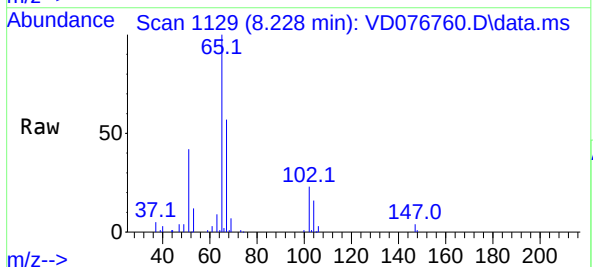


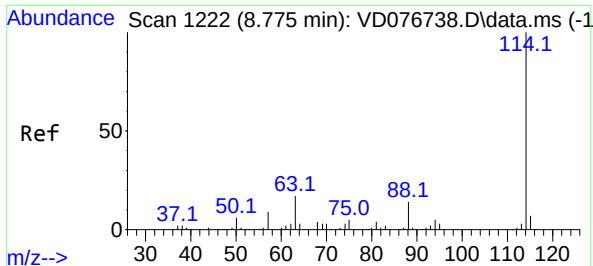
Tgt Ion: 56 Resp: 3229
Ion Ratio Lower Upper
56 100
69 130.4 28.6 43.0#
84 181.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 62.154 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion: 65 Resp: 93993
Ion Ratio Lower Upper
65 100
67 55.8 0.0 115.0

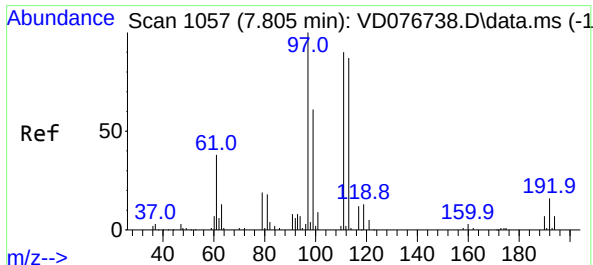
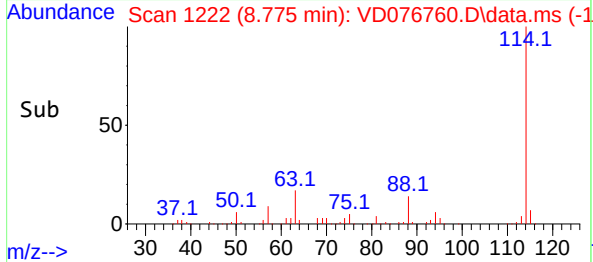
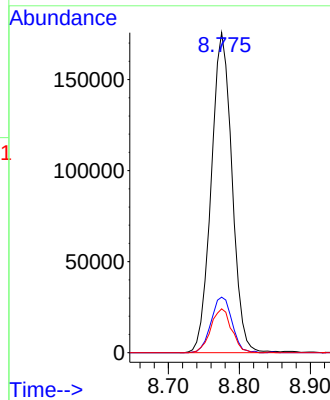
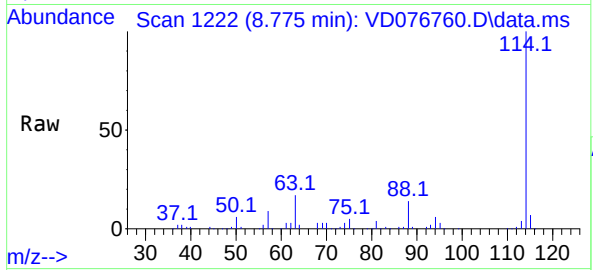




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

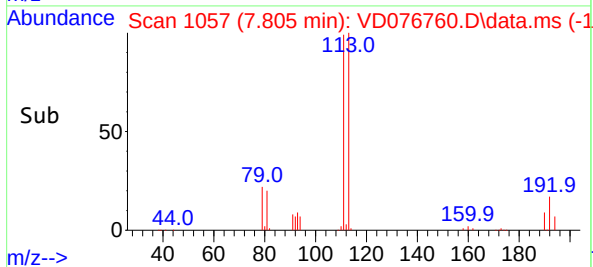
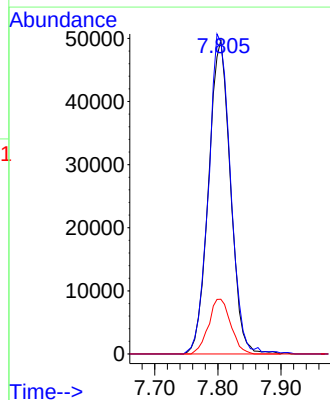
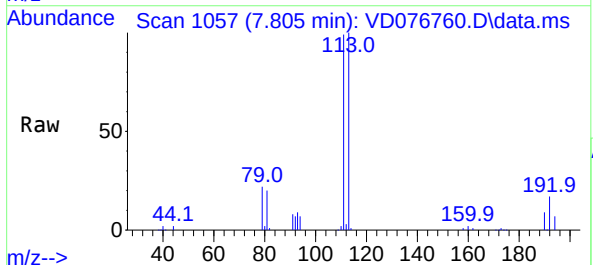
Instrument :
MSVOA_D
ClientSampleId :
TP6

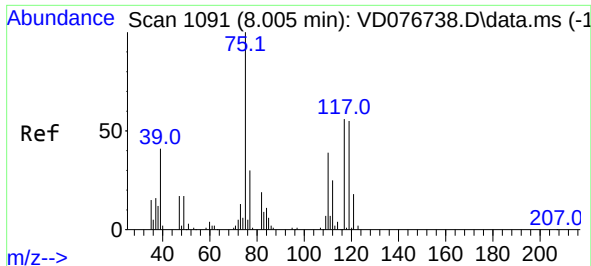
Tgt Ion:114 Resp: 356238
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.4
88 13.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.352 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion:113 Resp: 119435
Ion Ratio Lower Upper
113 100
111 102.6 84.7 127.1
192 17.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 7.863 min Scan# 1

Delta R.T. -0.142 min

Lab File: VD076760.D

Acq: 17 Jul 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :

TP6

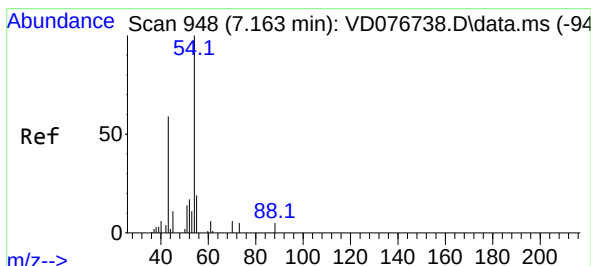
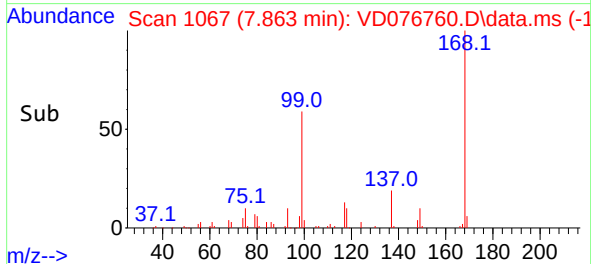
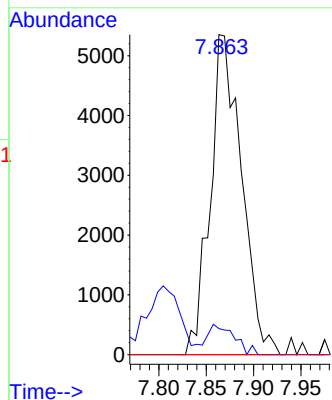
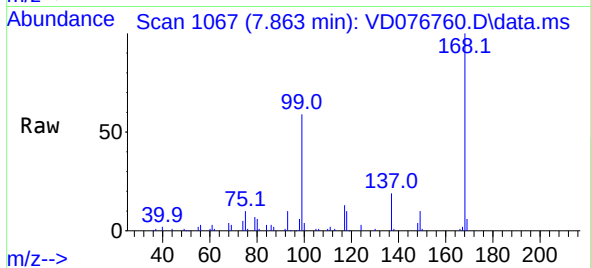
Tgt Ion: 75 Resp: 12315

Ion Ratio Lower Upper

75 100

110 7.9 19.9 59.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.307 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.094 min

Lab File: VD076760.D

Acq: 17 Jul 2023 17:52

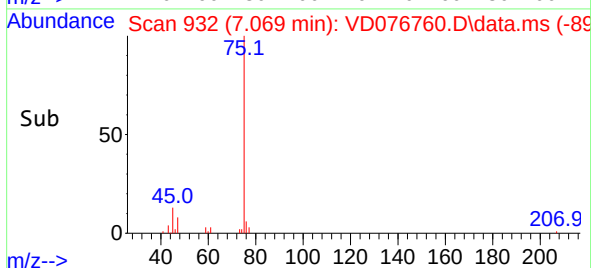
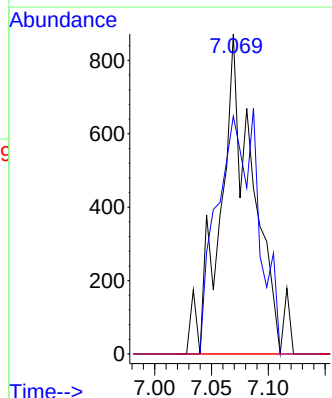
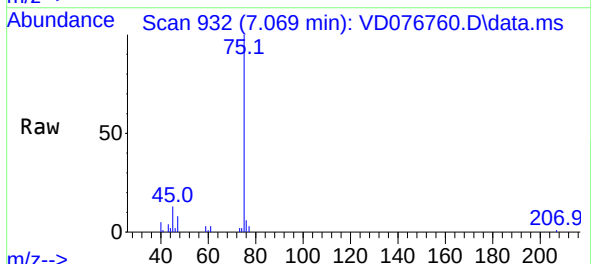
Tgt Ion: 43 Resp: 1710

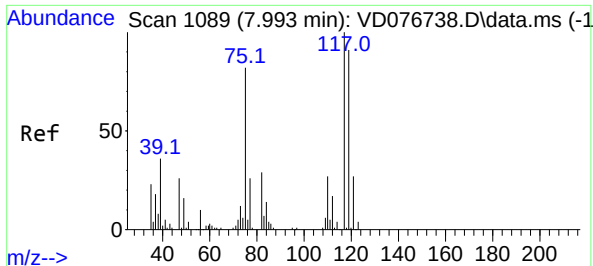
Ion Ratio Lower Upper

43 100

61 96.2 14.9 22.3#

70 0.0 10.0 15.0#

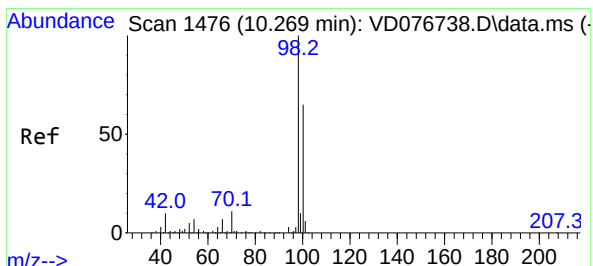
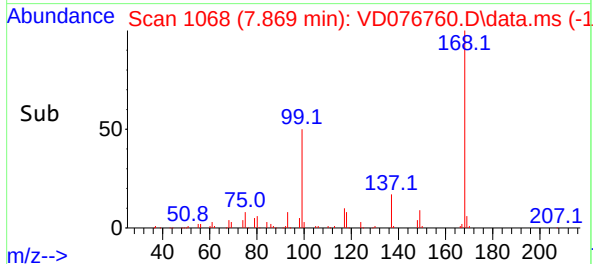
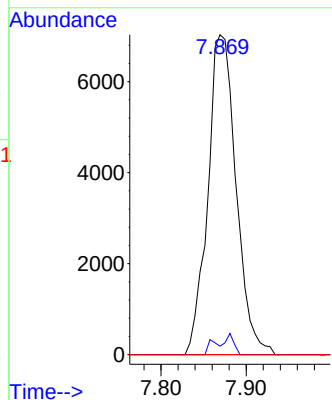
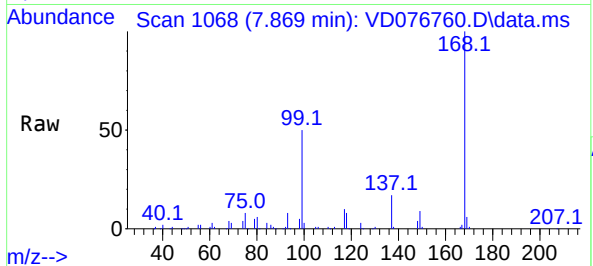




#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

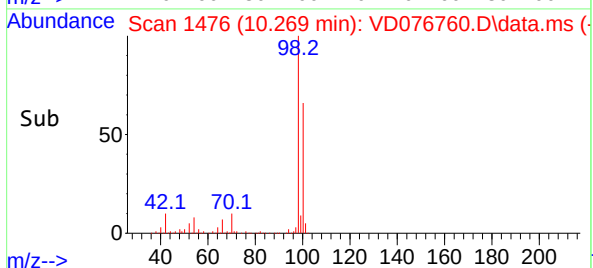
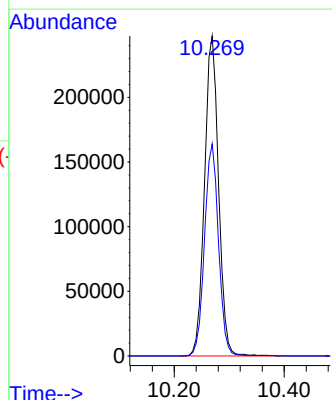
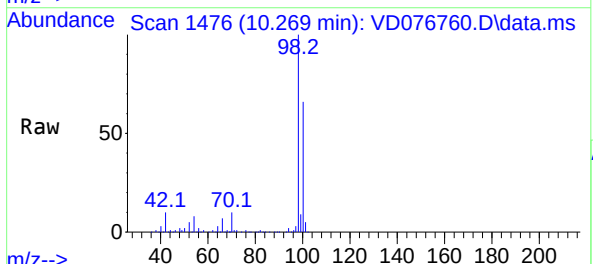
Instrument :
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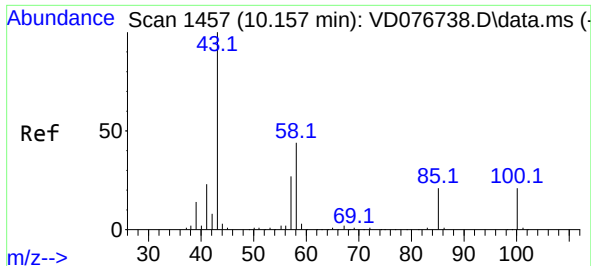
Tgt Ion:117 Resp: 16249
Ion Ratio Lower Upper
117 100
119 2.6 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.719 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion: 98 Resp: 438212
Ion Ratio Lower Upper
98 100
100 66.0 50.3 75.5

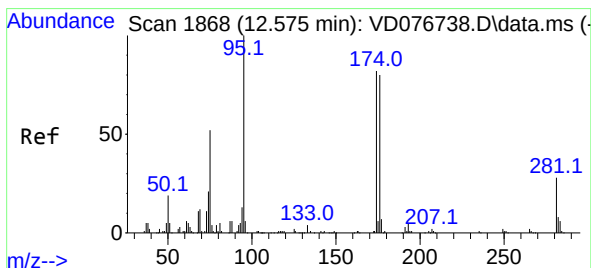
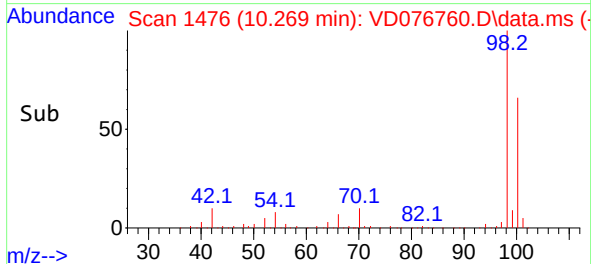
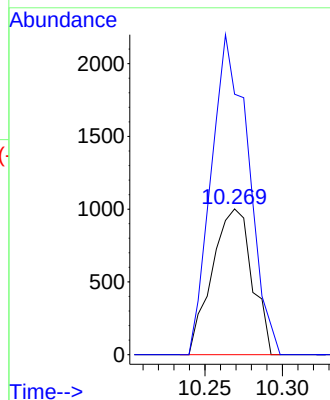
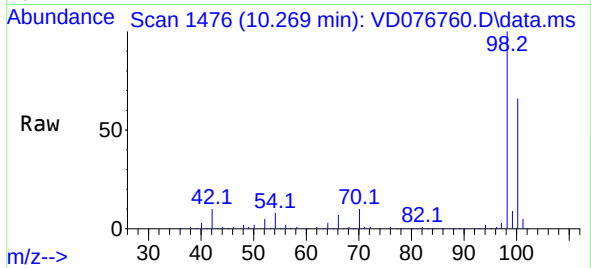




#51
4-Methyl-2-Pentanone
Concen: 1.319 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

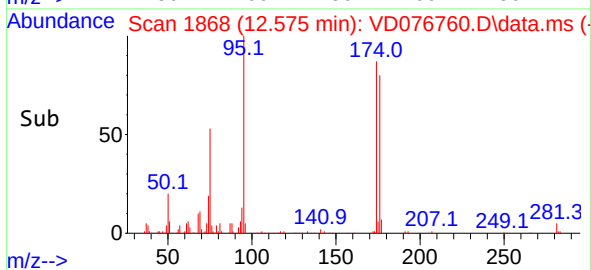
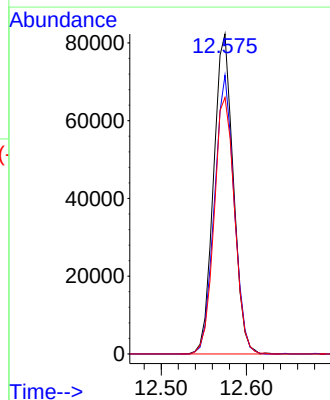
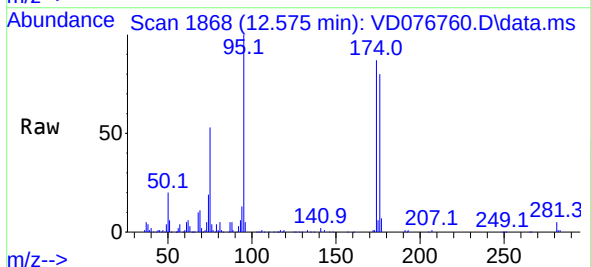
Instrument :
MSVOA_D
ClientSampleId :
TP6

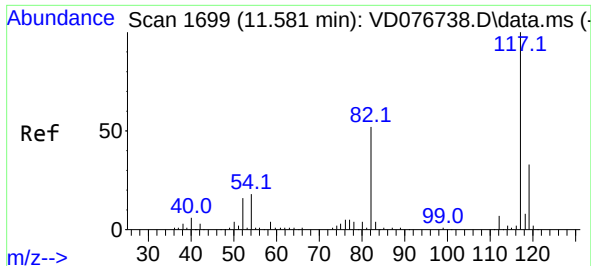
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 204.3 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 51.096 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion: 95 Resp: 132376
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 83.0 0.0 191.8

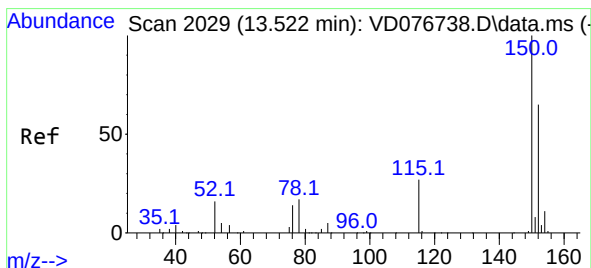
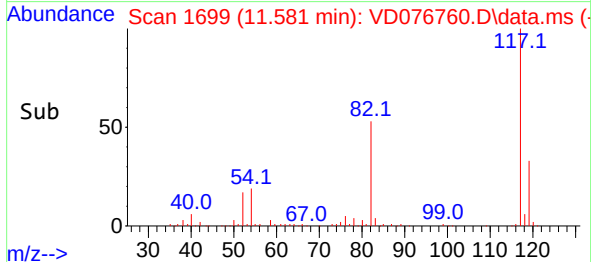
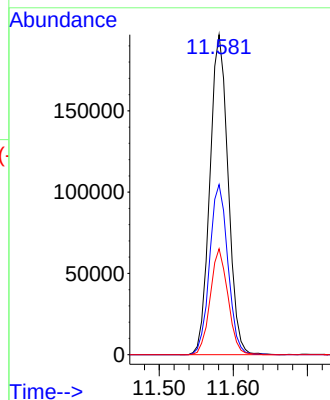
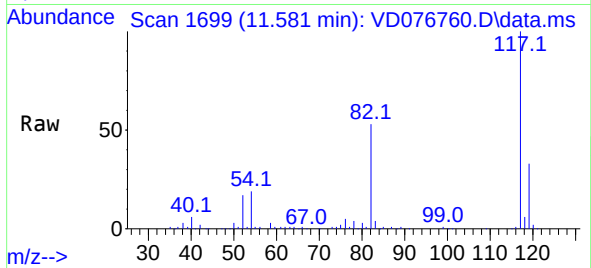




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

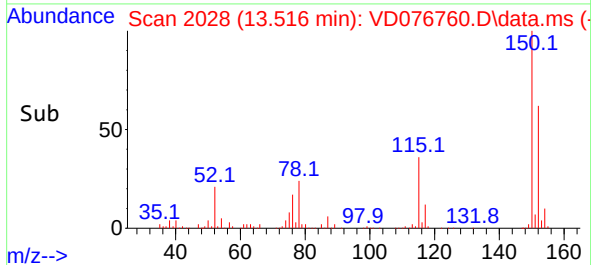
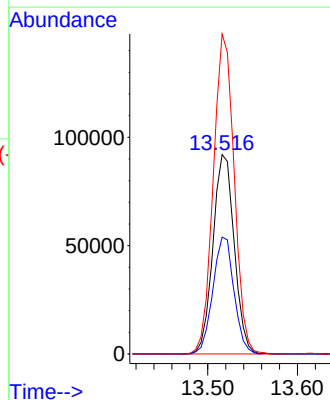
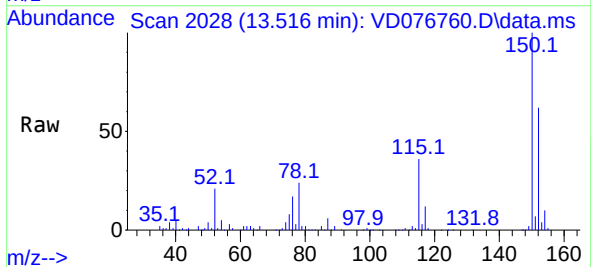
Instrument :
MSVOA_D
ClientSampleId :
TP6

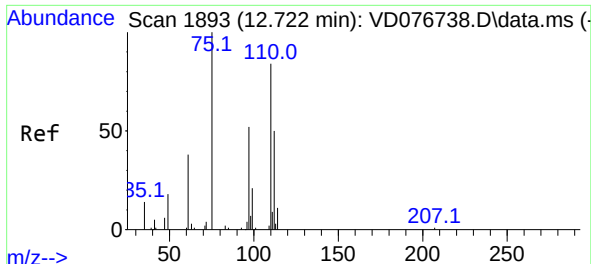
Tgt Ion:117 Resp: 336304
Ion Ratio Lower Upper
117 100
82 53.1 38.3 57.5
119 33.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion:152 Resp: 151679
Ion Ratio Lower Upper
152 100
115 58.2 27.1 81.3
150 157.5 0.0 353.6

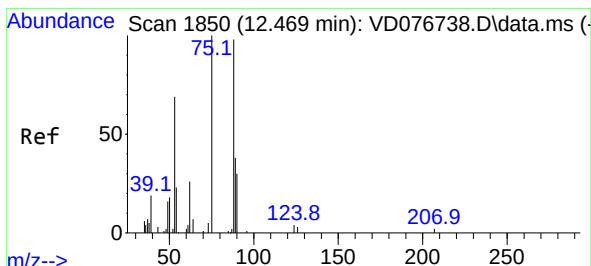
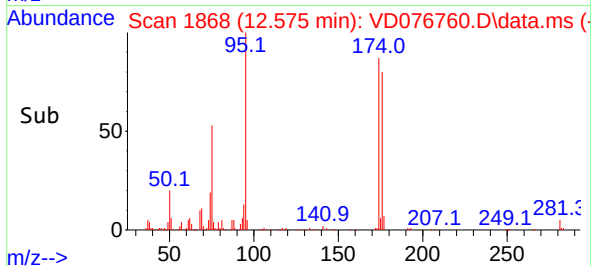
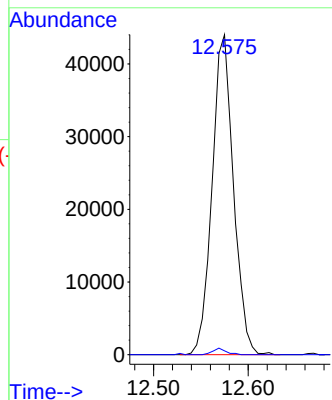
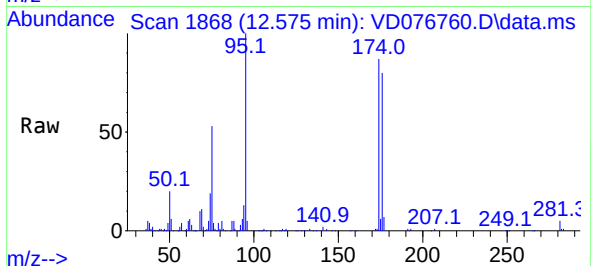




#76
1,2,3-Trichloropropane
Concen: 47.837 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Instrument :
MSVOA_D
ClientSampleId :
TP6

Tgt Ion: 75 Resp: 69002
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.809 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076760.D
Acq: 17 Jul 2023 17:52

Tgt Ion: 75 Resp: 69002
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

