

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076806.D
 Acq On : 26 Jul 2023 15:22
 Operator : KP/SY
 Sample : 03769-01
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:23:39 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	7.875	168	199522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	398095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	354731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106986	53.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.660%
35) Dibromofluoromethane	7.805	113	128123	51.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.440%
50) Toluene-d8	10.269	98	469044	52.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.820%
62) 4-Bromofluorobenzene	12.575	95	134054	46.303	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.600%

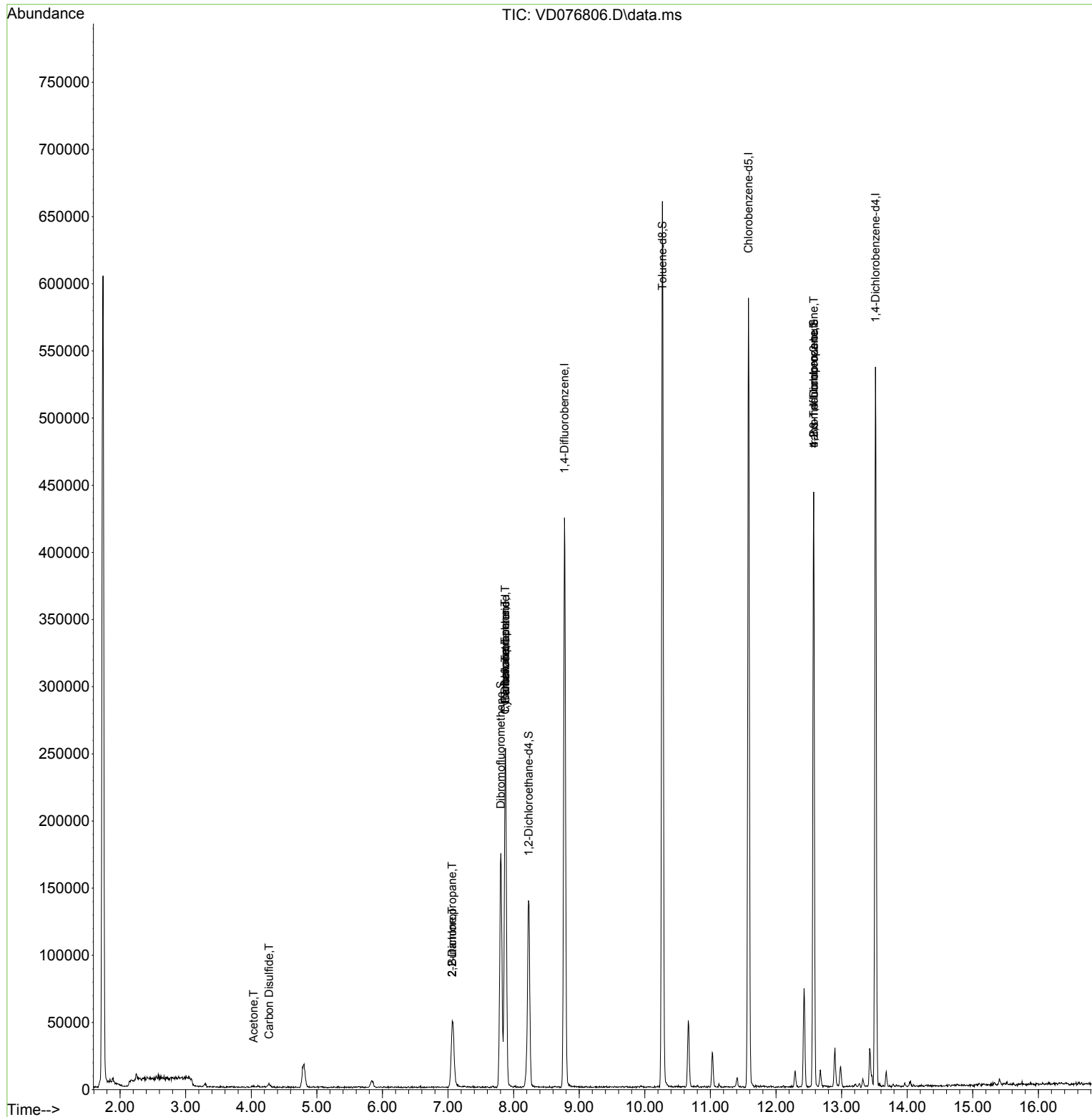
Target Compounds					Qvalue	
16) Acetone	4.034	43	953	2.008	ug/l #	32
17) Carbon Disulfide	4.270	76	4761	1.034	ug/l #	94
20) Methylene Chloride	4.793	84	14159	Below Cal	#	82
25) 2-Butanone	7.064	43	2648	4.169	ug/l #	69
26) 2,2-Dichloropropane	7.064	77	4045	1.135	ug/l #	49
31) Cyclohexane	7.869	56	4461	1.525	ug/l #	14
36) 1,1-Dichloropropene	7.869	75	15660	4.790	ug/l #	47
38) Carbon Tetrachloride	7.875	117	20562	6.569	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	66755	47.512	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66755	101.118	ug/l #	17

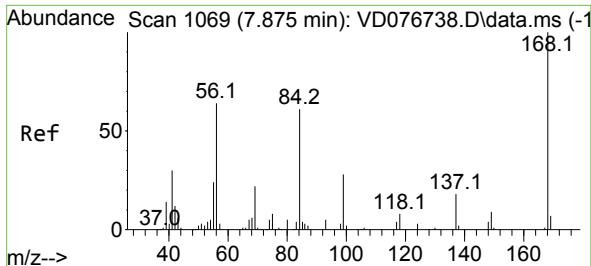
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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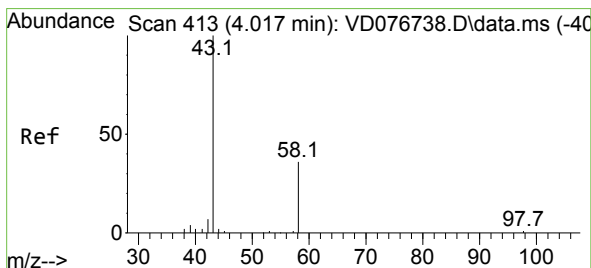
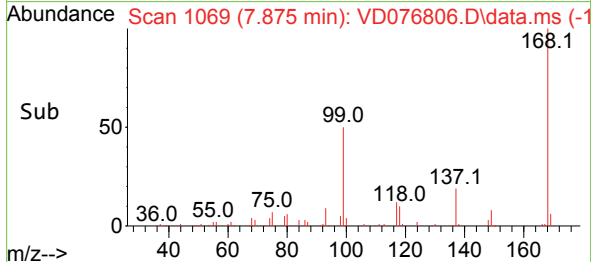
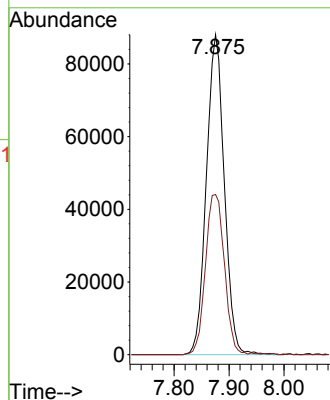
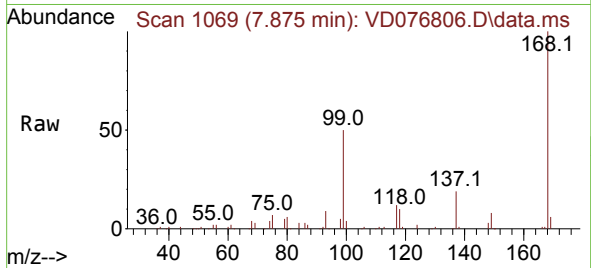




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

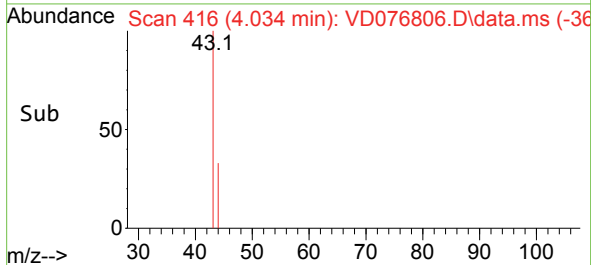
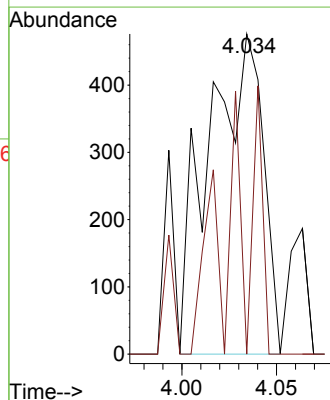
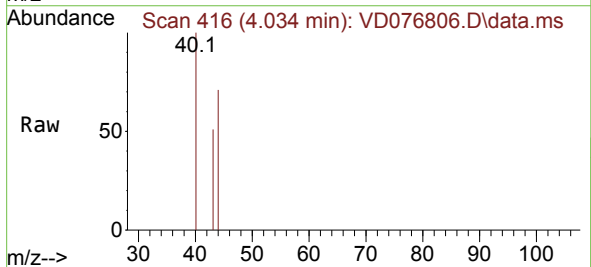
Instrument :
MSVOA_D
ClientSampleId :

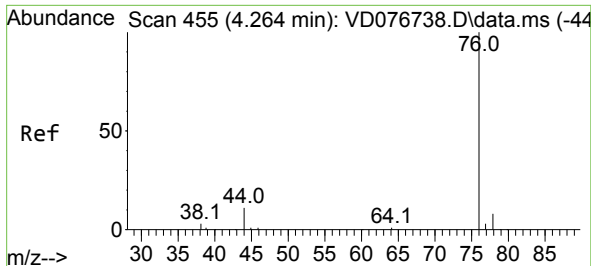
Tgt Ion:168 Resp: 199522
Ion Ratio Lower Upper
168 100
99 50.1 36.7 55.1



#16
Acetone
Concen: 2.008 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

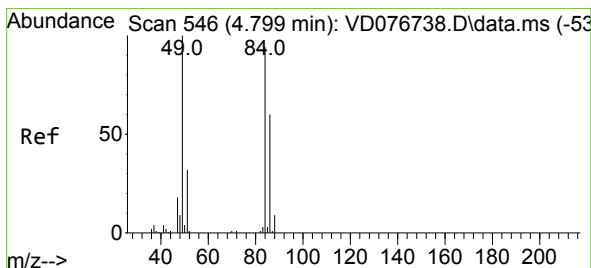
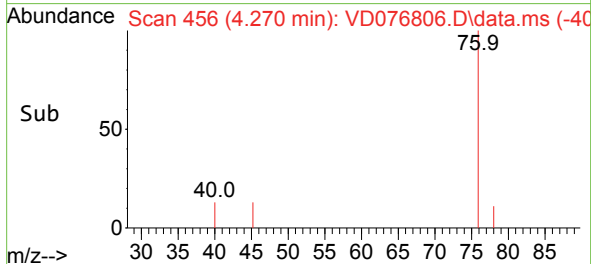
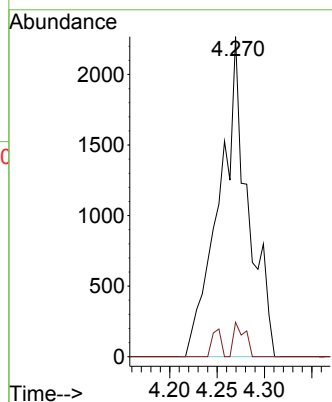
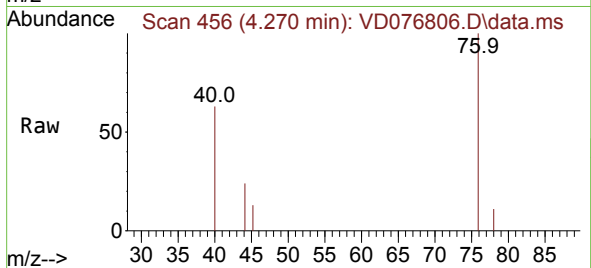




#17
Carbon Disulfide
Concen: 1.034 ug/l
RT: 4.270 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

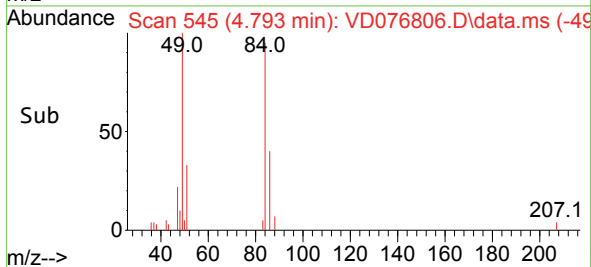
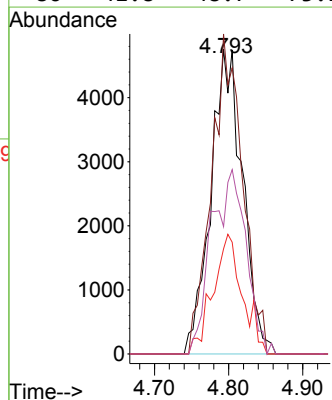
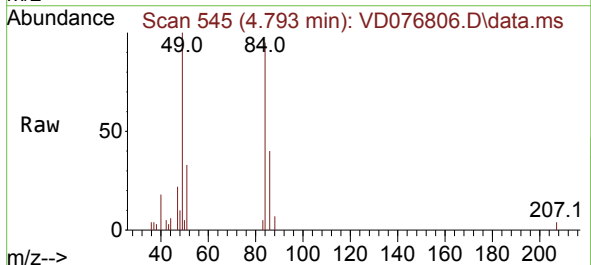
Instrument :
MSVOA_D
ClientSampleId :

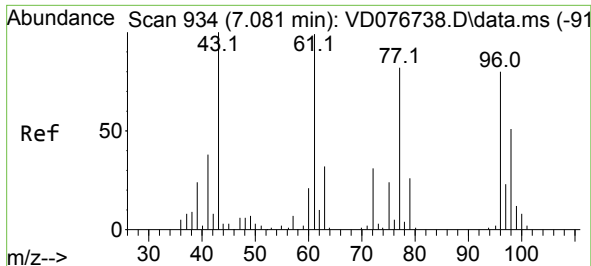
Tgt Ion: 76 Resp: 4761
Ion Ratio Lower Upper
76 100
78 10.8 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 84 Resp: 14159
Ion Ratio Lower Upper
84 100
49 105.0 71.4 107.2
51 34.5 24.5 36.7
86 41.8 48.7 73.1#

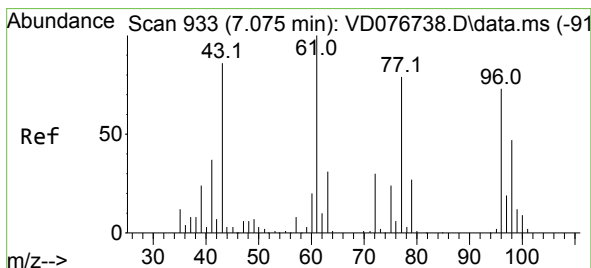
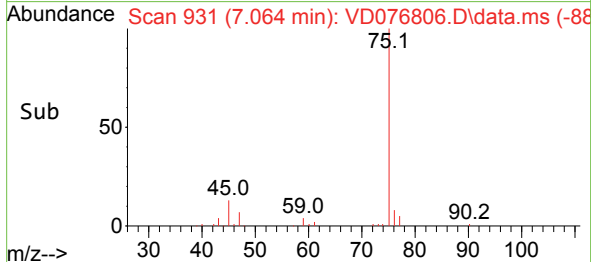
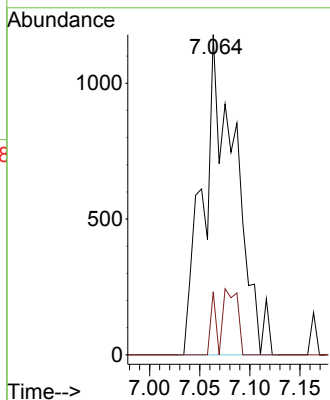
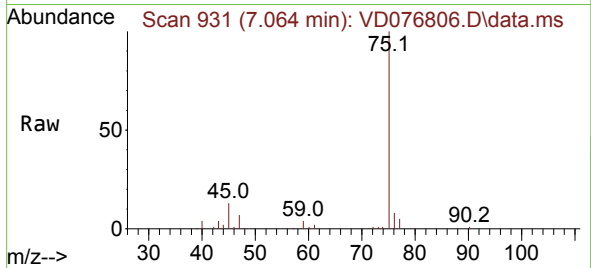




#25
2-Butanone
Concen: 4.169 ug/l
RT: 7.064 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

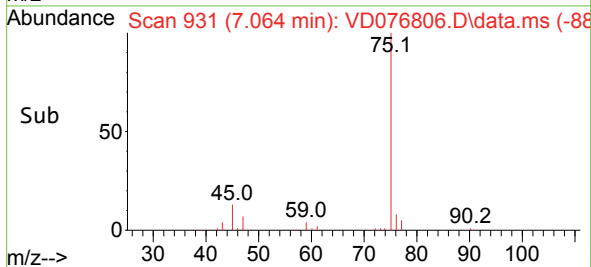
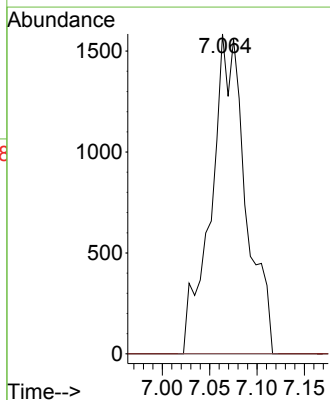
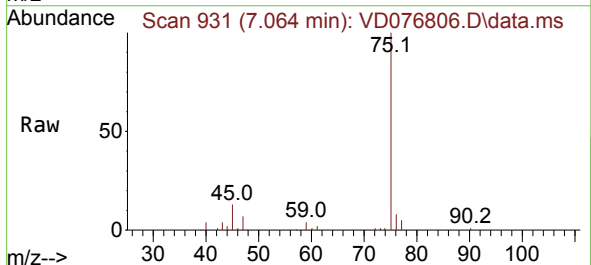
Instrument :
MSVOA_D
ClientSampleId :

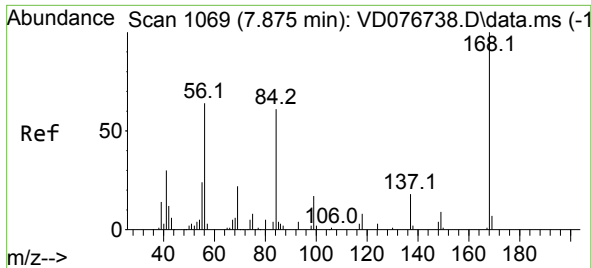
Tgt Ion: 43 Resp: 2648
Ion Ratio Lower Upper
43 100
72 19.7 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.135 ug/l
RT: 7.064 min Scan# 931
Delta R.T. -0.011 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

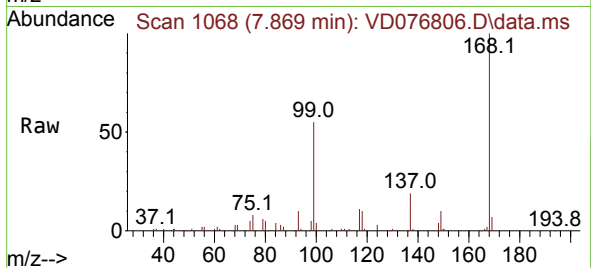
Tgt Ion: 77 Resp: 4045
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



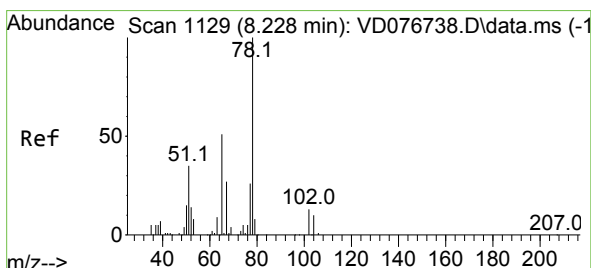
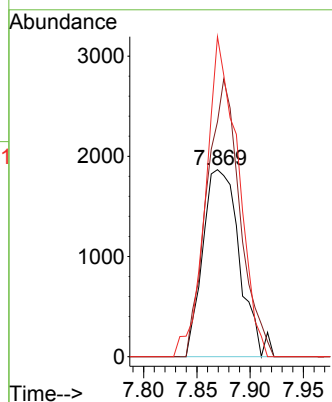
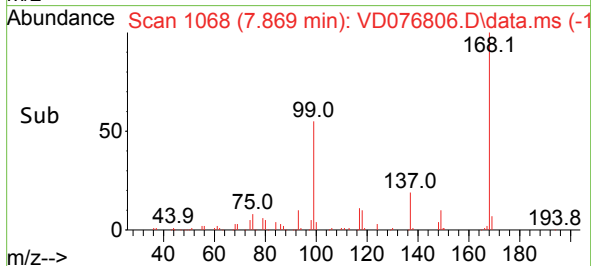


#31
Cyclohexane
Concen: 1.525 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Instrument :
MSVOA_D
ClientSampleId :

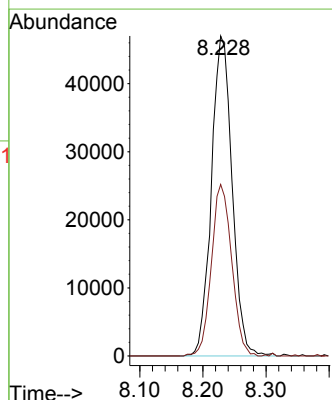
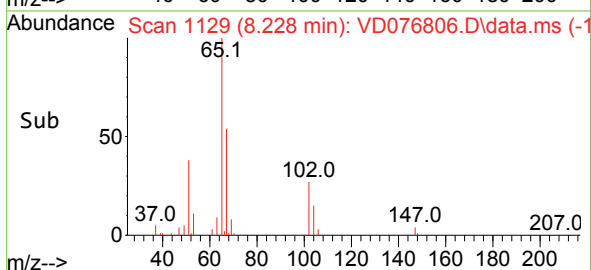
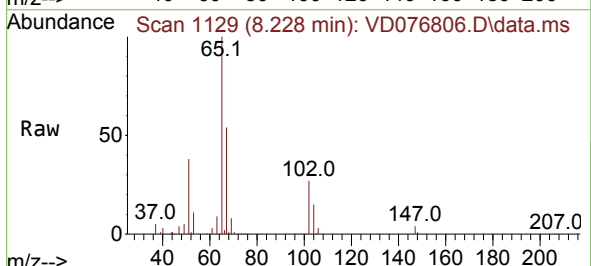


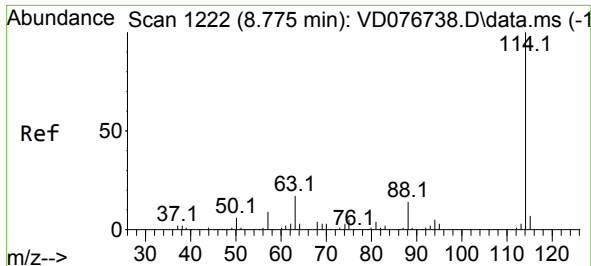
Tgt Ion: 56 Resp: 4461
Ion Ratio Lower Upper
56 100
69 125.6 28.6 43.0#
84 171.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 53.835 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 65 Resp: 106986
Ion Ratio Lower Upper
65 100
67 52.6 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: VD076806.D

Acq: 26 Jul 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :

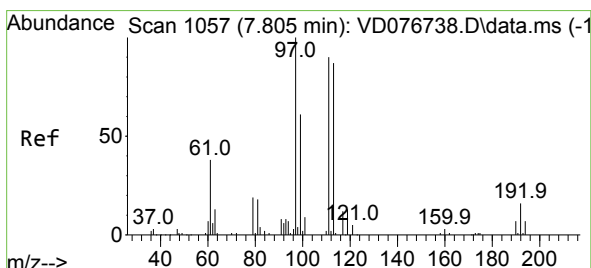
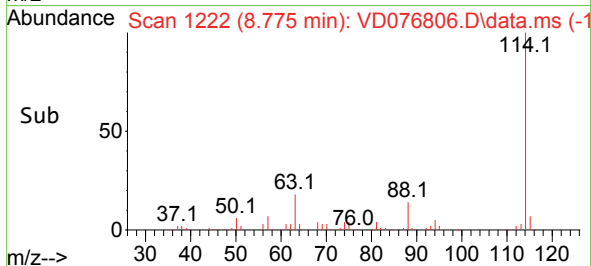
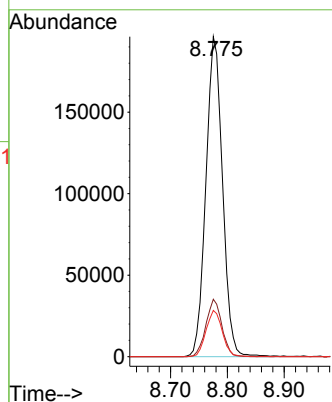
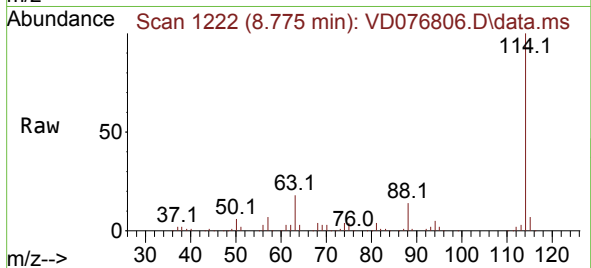
Tgt Ion:114 Resp: 398095

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 14.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.215 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076806.D

Acq: 26 Jul 2023 15:22

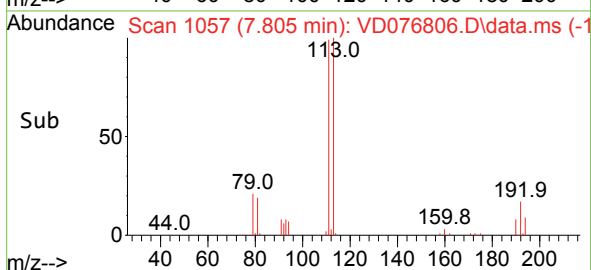
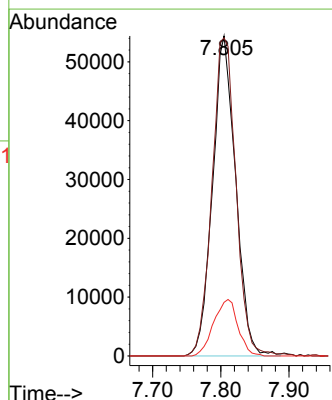
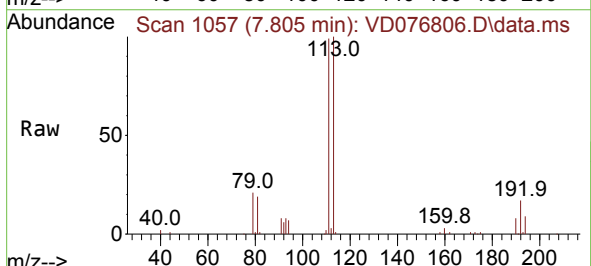
Tgt Ion:113 Resp: 128123

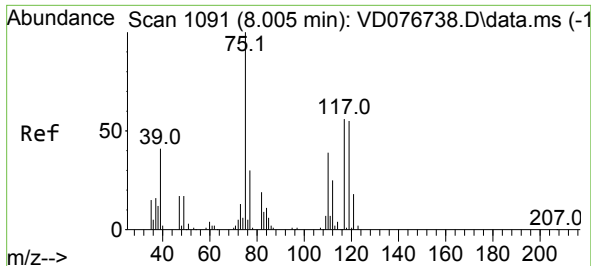
Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

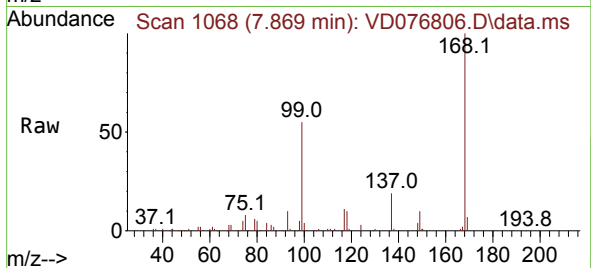
192 18.6 16.8 25.2



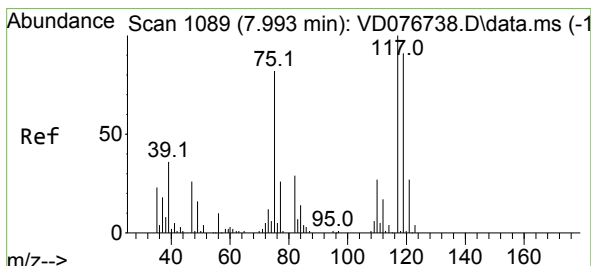
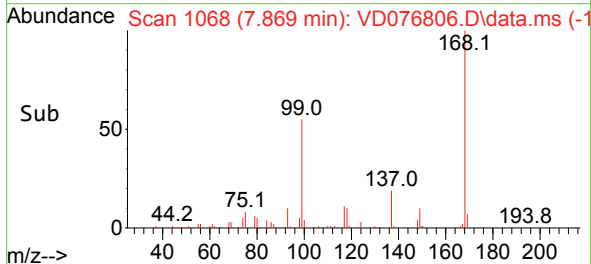
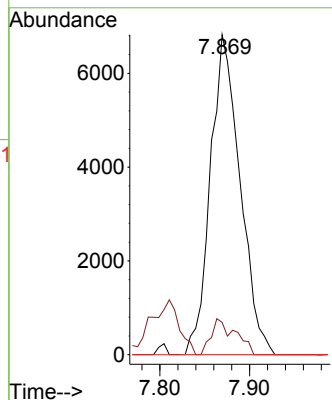


#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Instrument :
MSVOA_D
ClientSampleId :

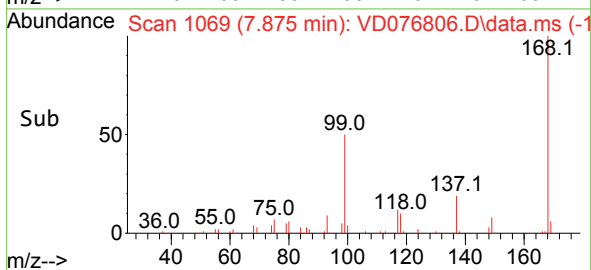
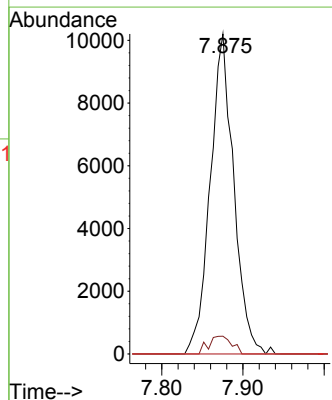
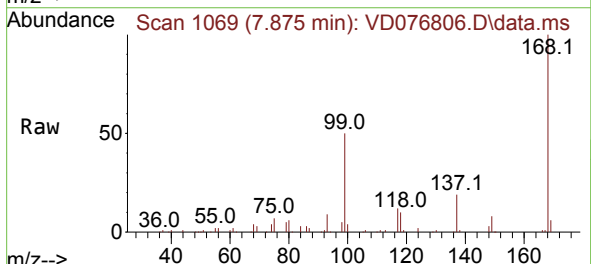


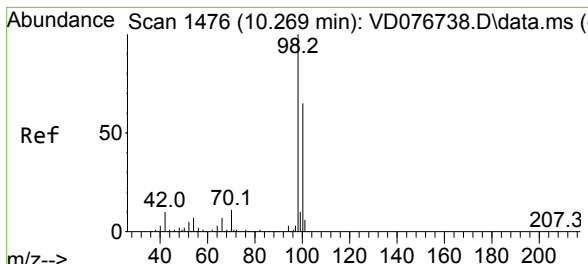
Tgt Ion: 75 Resp: 15660
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.569 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 117 Resp: 20562
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.2 36.2#

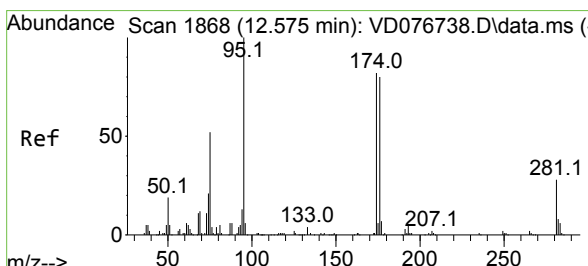
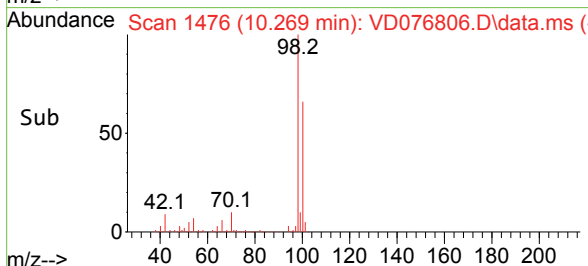
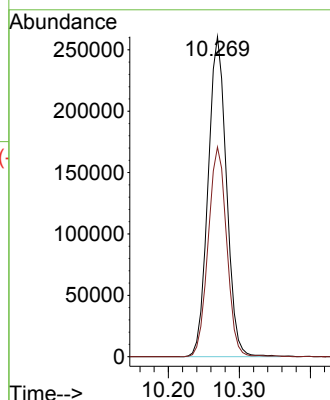
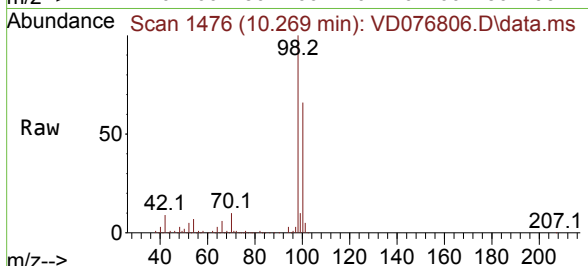




#50
Toluene-d8
Concen: 52.411 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

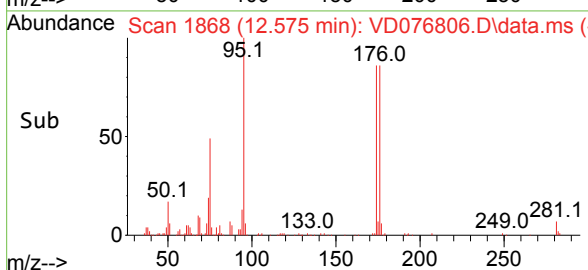
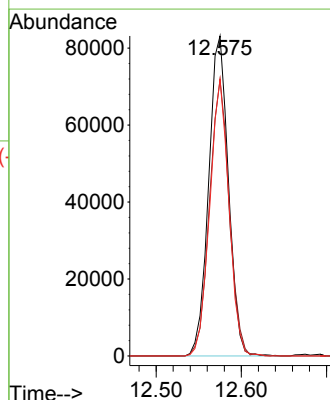
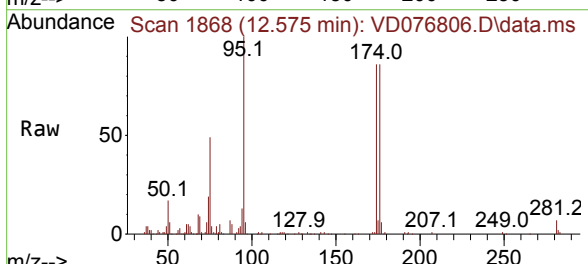
Instrument :
MSVOA_D
ClientSampleId :

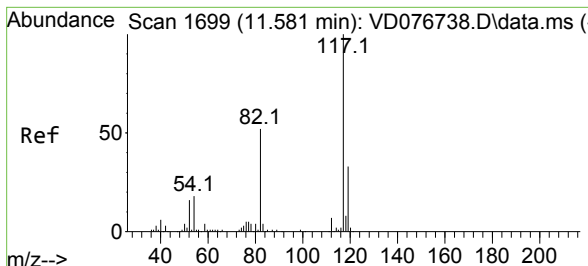
Tgt Ion: 98 Resp: 469044
Ion Ratio Lower Upper
98 100
100 65.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.303 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 95 Resp: 134054
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 83.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

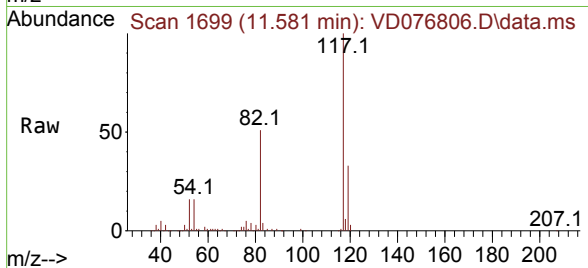
Lab File: VD076806.D

Acq: 26 Jul 2023 15:22

Instrument :

MSVOA_D

ClientSampleId :



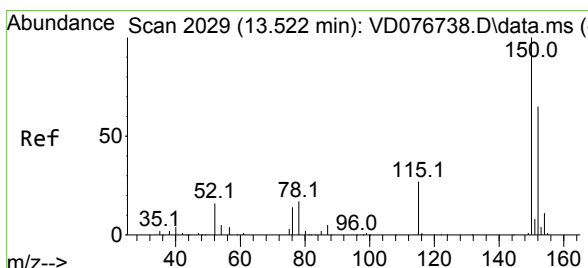
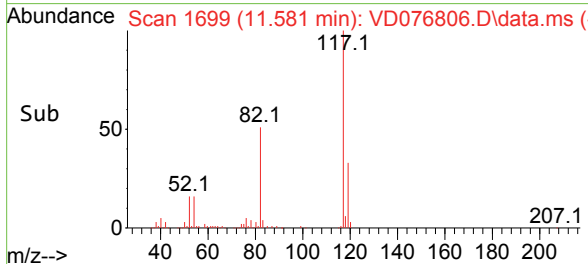
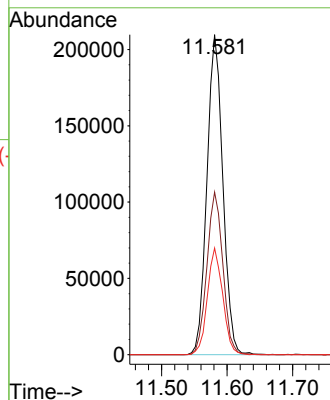
Tgt Ion:117 Resp: 354731

Ion Ratio Lower Upper

117 100

82 50.8 38.3 57.5

119 33.3 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: VD076806.D

Acq: 26 Jul 2023 15:22

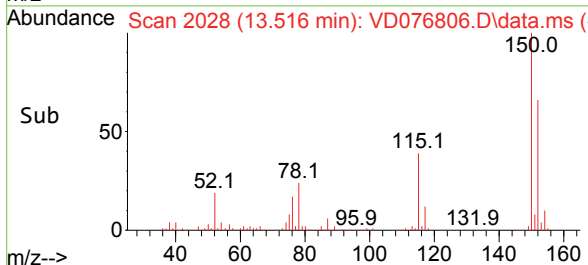
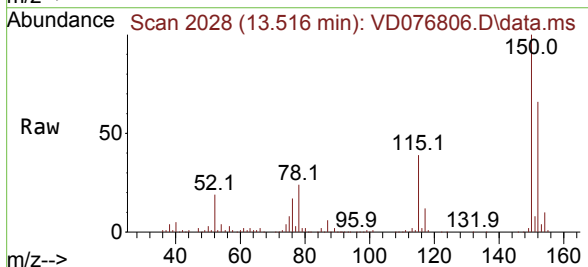
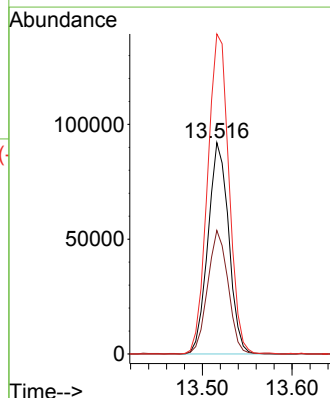
Tgt Ion:152 Resp: 147742

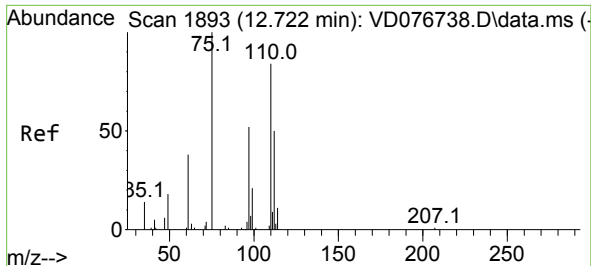
Ion Ratio Lower Upper

152 100

115 57.7 27.1 81.3

150 156.1 0.0 353.6

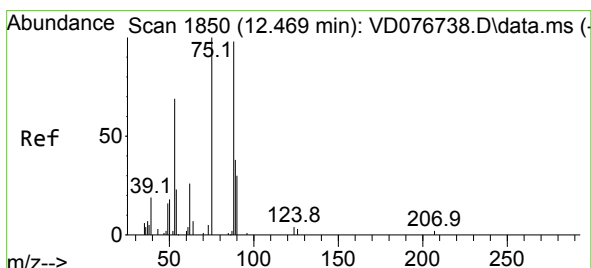
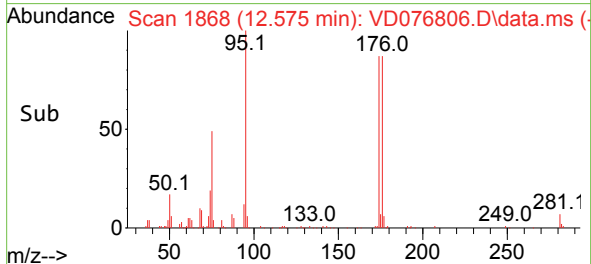
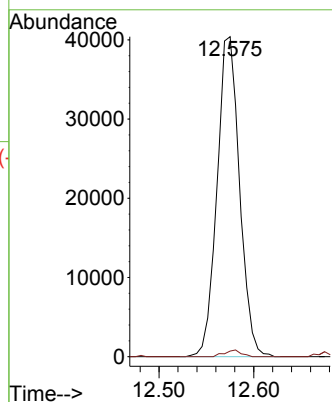
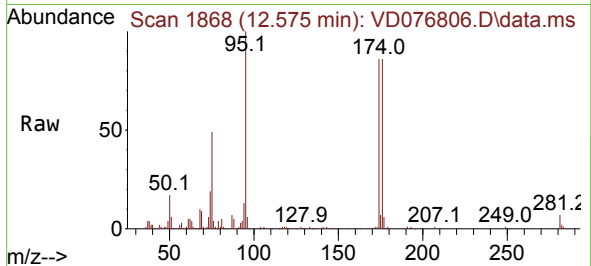




#76
1,2,3-Trichloropropane
Concen: 47.512 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 66755
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.118 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076806.D
Acq: 26 Jul 2023 15:22

Tgt Ion: 75 Resp: 66755
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

