

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090424\
 Data File : VD079778.D
 Acq On : 04 Sep 2024 17:20
 Operator : RP/MD
 Sample : P3820-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 05 02:19:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

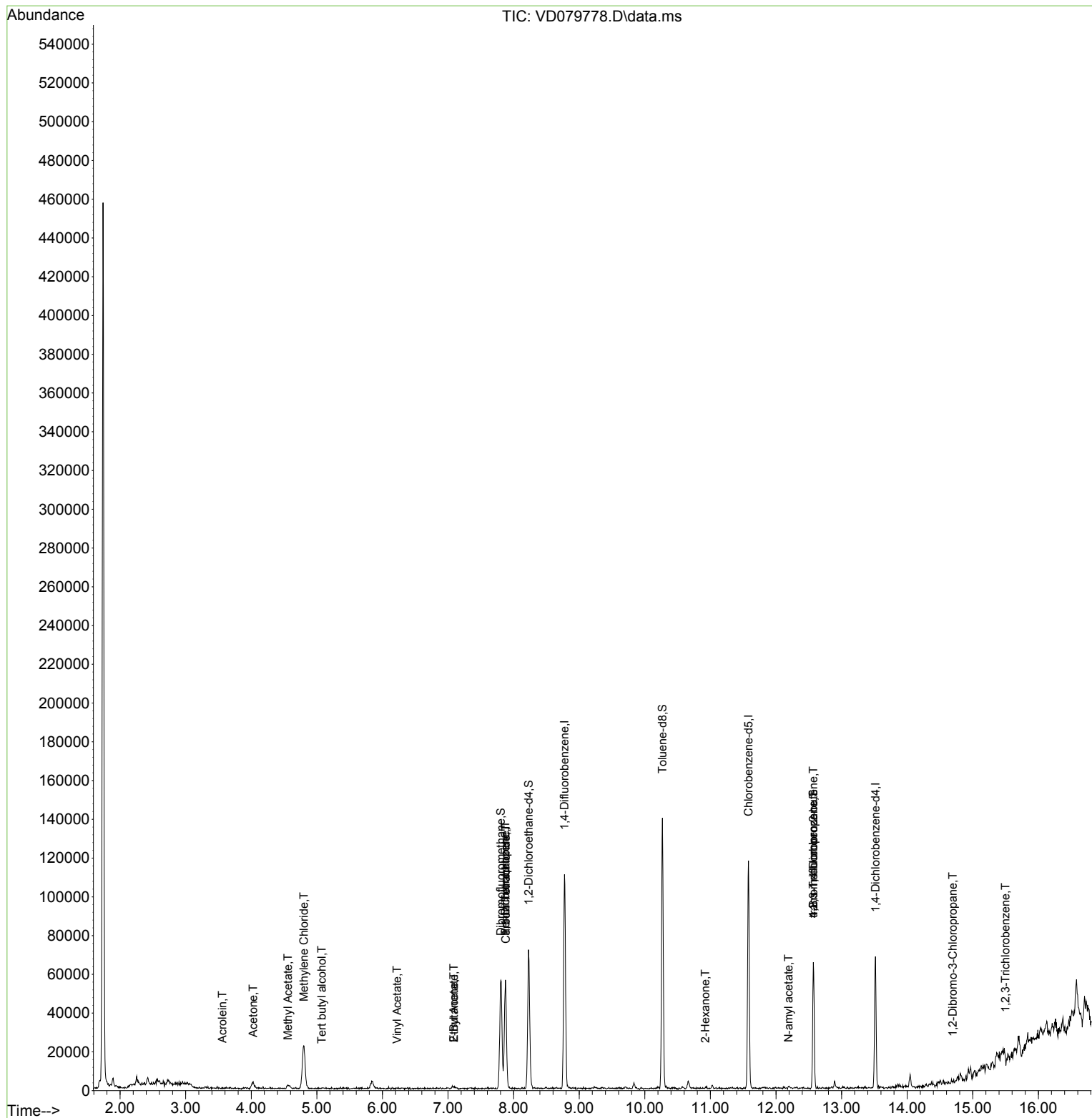
Internal Standards						
1) Pentafluorobenzene	7.875	168	38645	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	93948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	65363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	18077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54519	103.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 206.940%#	
35) Dibromofluoromethane	7.805	113	40979	67.106	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.220%	
50) Toluene-d8	10.269	98	96575	36.875	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.760%	
62) 4-Bromofluorobenzene	12.569	95	18850	25.723	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 51.440%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.075	59	71	2.732	ug/l	# 86
13) Acrolein	3.558	56	60	1.184	ug/l	# 15
16) Acetone	4.028	43	5821	53.235	ug/l	90
18) Methyl Acetate	4.558	43	1869	5.963	ug/l	# 79
20) Methylene Chloride	4.805	84	16436	23.602	ug/l	92
23) Vinyl Acetate	6.222	43	59	2.578	ug/l	# 63
25) 2-Butanone	7.087	43	1582	10.845	ug/l	# 42
36) 1,1-Dichloropropene	7.875	75	3992	4.411	ug/l	# 41
37) Ethyl Acetate	7.087	43	1582	3.955	ug/l	# 69
38) Carbon Tetrachloride	7.881	117	4427	4.586	ug/l	# 13
59) 2-Hexanone	10.922	43	303	21.158	ug/l	92
74) N-amyl acetate	12.193	43	817	2.672	ug/l	# 35
76) 1,2,3-Trichloropropane	12.569	75	10160	65.759	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	10160	109.679	ug/l	# 19
92) 1,2-Dibromo-3-Chloropr...	14.692	75	129	3.578	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.498	180	257	1.017	ug/l	# 1

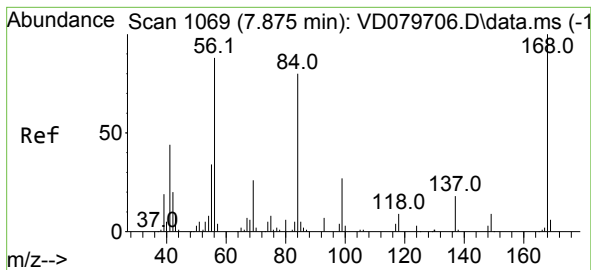
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 05 02:19:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 15:57:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

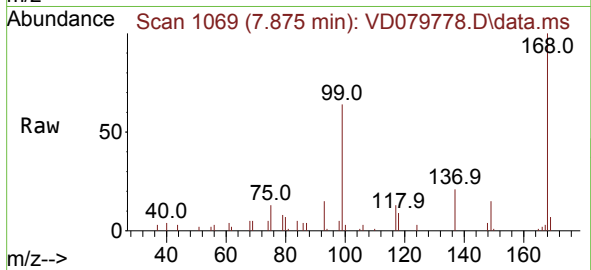
Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

Instrument :

MSVOA_D

ClientSampleId :

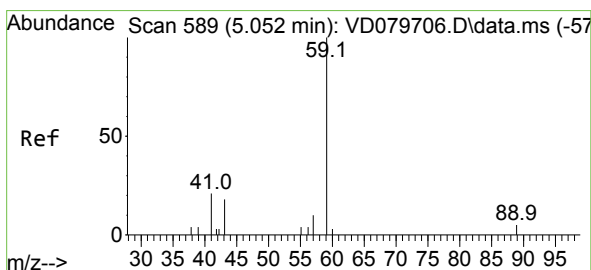
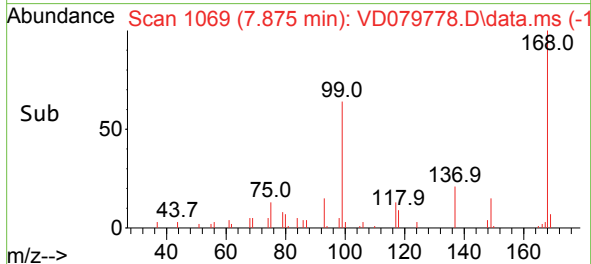
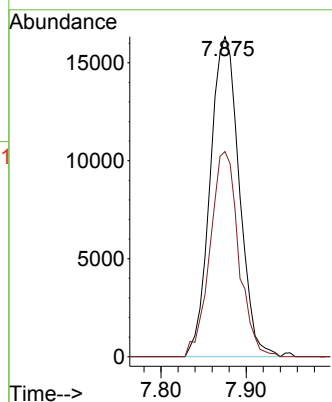


Tgt Ion:168 Resp: 38645

Ion Ratio Lower Upper

168 100

99 64.1 41.1 61.7#



#11

Tert butyl alcohol

Concen: 2.732 ug/l

RT: 5.075 min Scan# 593

Delta R.T. 0.023 min

Lab File: VD079778.D

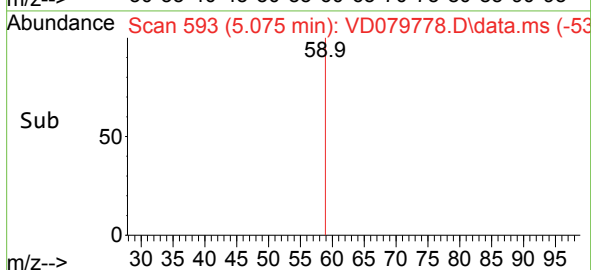
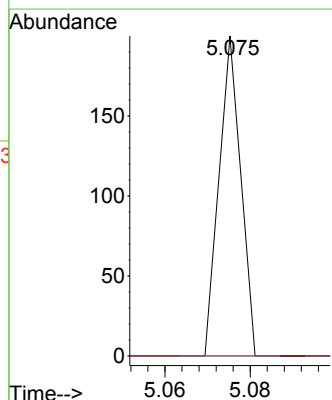
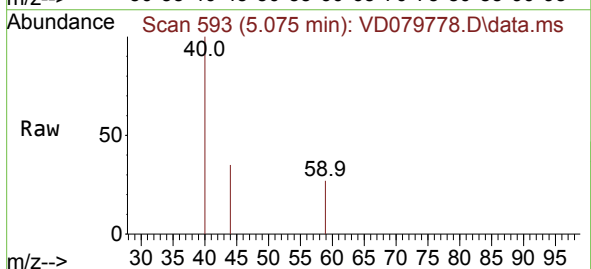
Acq: 04 Sep 2024 17:20

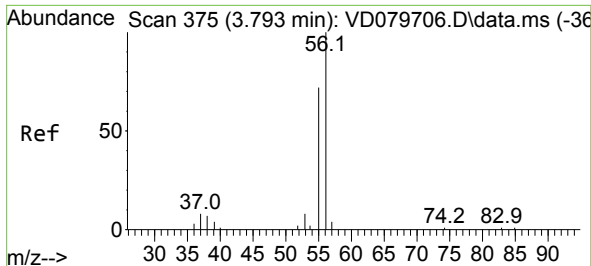
Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#





#13

Acrolein

Concen: 1.184 ug/l

RT: 3.558 min Scan# 31

Delta R.T. -0.235 min

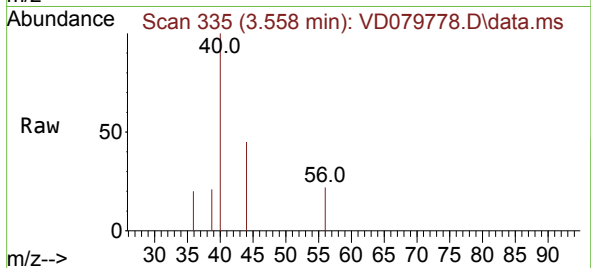
Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

Instrument :

MSVOA_D

ClientSampleId :

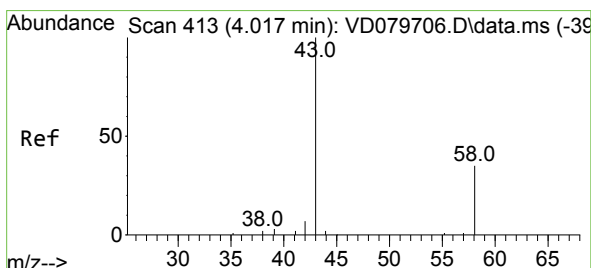
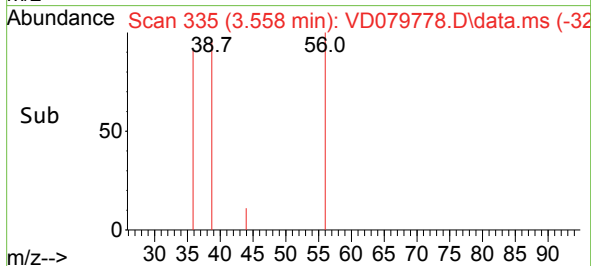
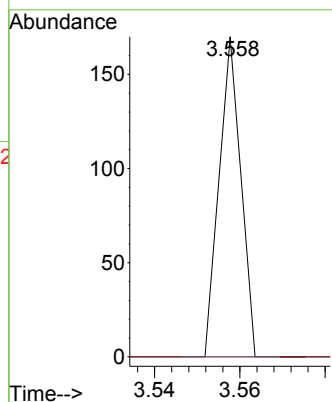


Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 53.235 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.011 min

Lab File: VD079778.D

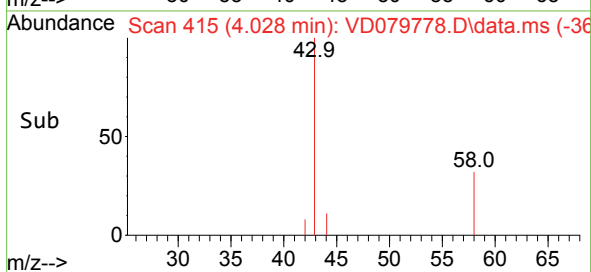
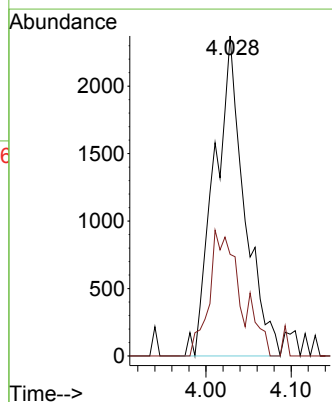
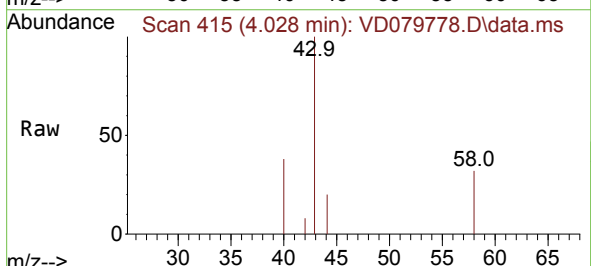
Acq: 04 Sep 2024 17:20

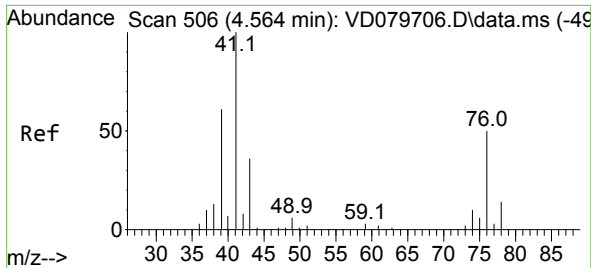
Tgt Ion: 43 Resp: 5821

Ion Ratio Lower Upper

43 100

58 31.7 30.4 45.6

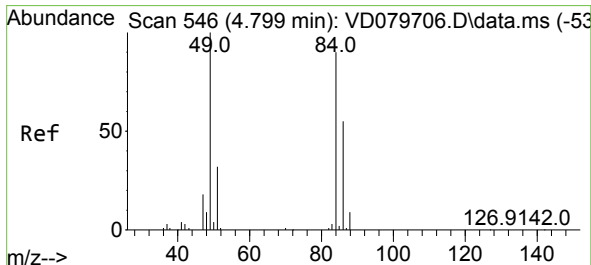
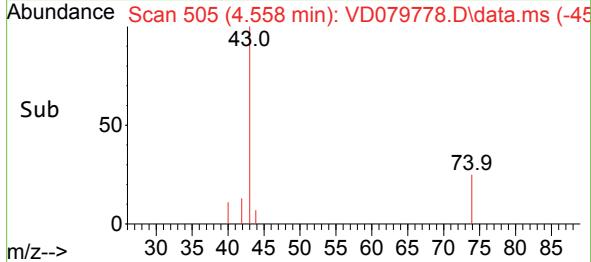
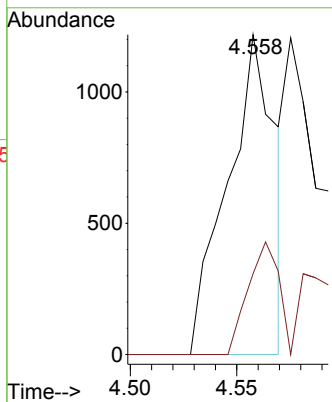
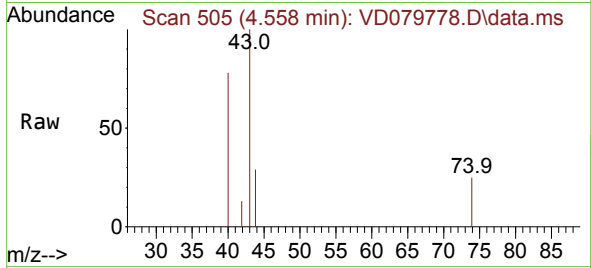




#18
Methyl Acetate
Concen: 5.963 ug/l
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

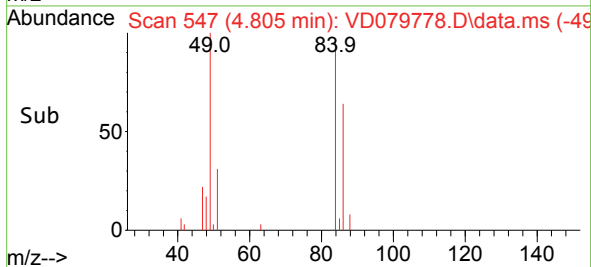
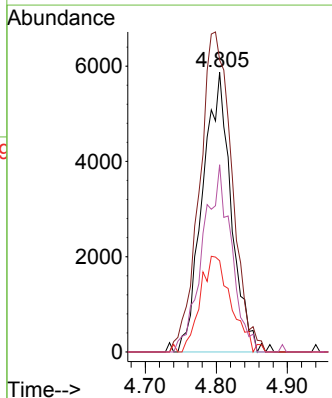
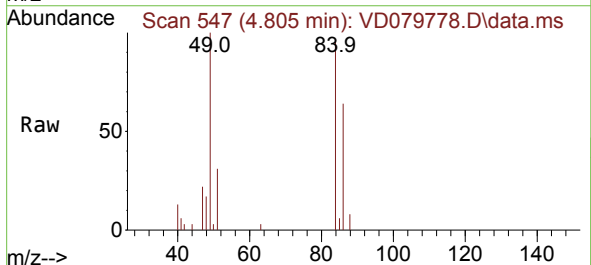
Instrument :
MSVOA_D
ClientSampleId :

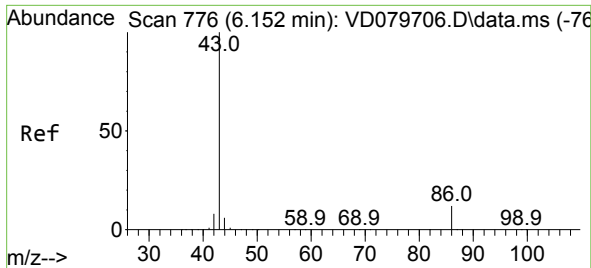
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
74 23.0 28.1 42.1#



#20
Methylene Chloride
Concen: 23.602 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

Tgt Ion: 84 Resp: 16436
Ion Ratio Lower Upper
84 100
49 104.4 75.6 113.4
51 32.6 24.2 36.2
86 66.9 49.2 73.8

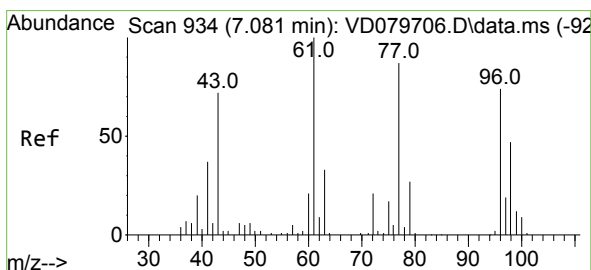
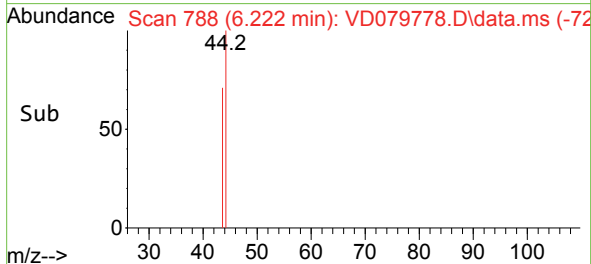
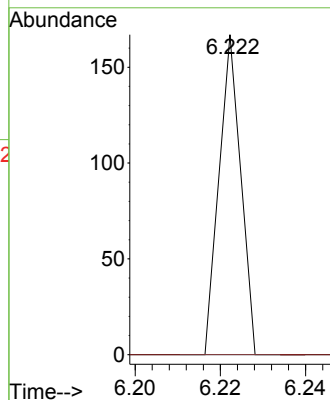
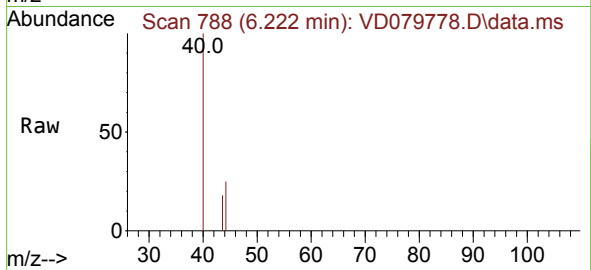




#23
 Vinyl Acetate
 Concen: 2.578 ug/l
 RT: 6.222 min Scan# 71
 Delta R.T. 0.070 min
 Lab File: VD079778.D
 Acq: 04 Sep 2024 17:20

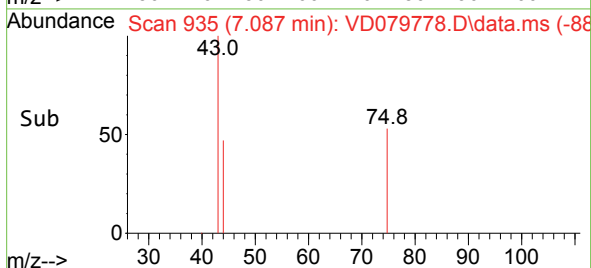
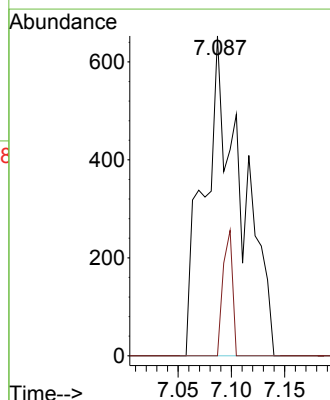
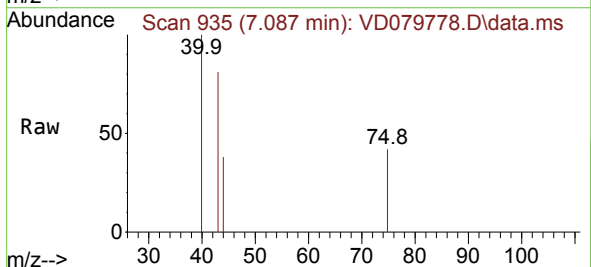
Instrument :
 MSVOA_D
 ClientSampleId :

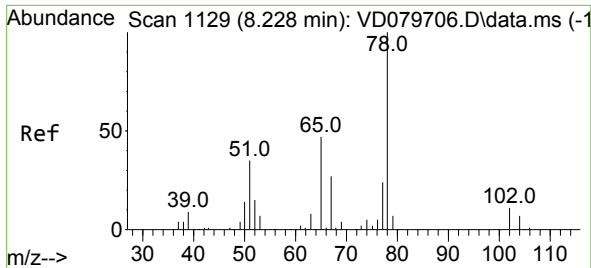
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 10.845 ug/l
 RT: 7.087 min Scan# 935
 Delta R.T. 0.006 min
 Lab File: VD079778.D
 Acq: 04 Sep 2024 17:20

Tgt Ion: 43 Resp: 1582
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.4 39.6#





#33

1,2-Dichloroethane-d4

Concen: 103.468 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

Instrument :

MSVOA_D

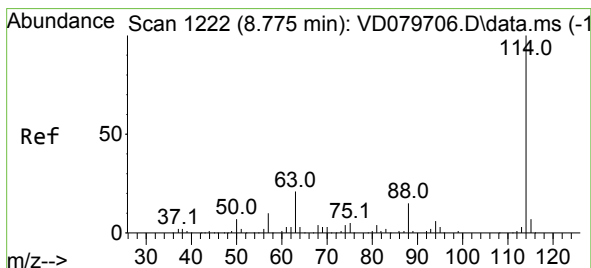
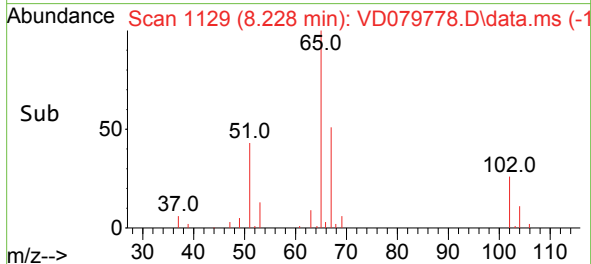
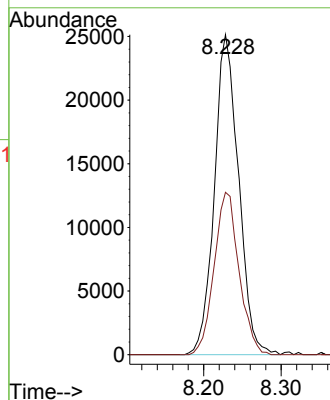
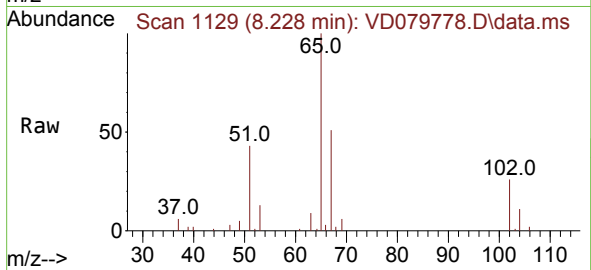
ClientSampleId :

Tgt Ion: 65 Resp: 54519

Ion Ratio Lower Upper

65 100

67 52.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

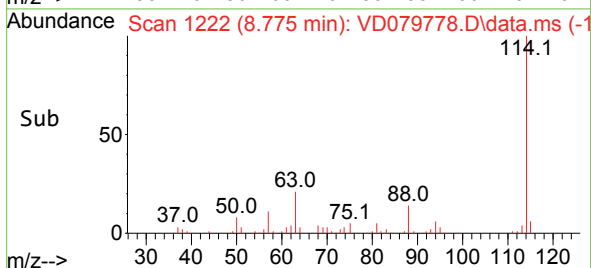
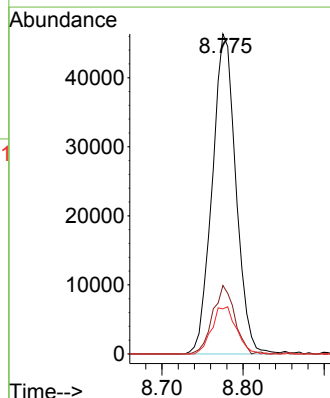
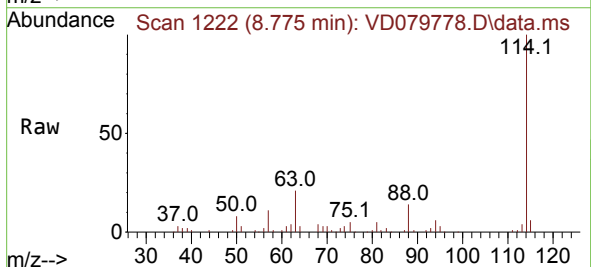
Tgt Ion: 114 Resp: 93948

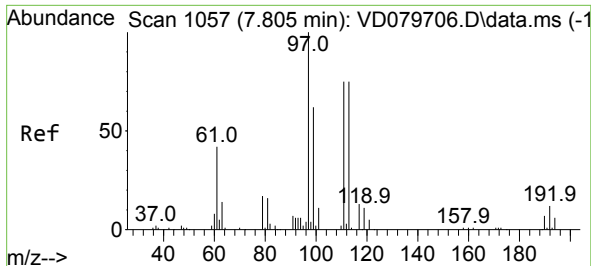
Ion Ratio Lower Upper

114 100

63 21.4 0.0 34.0

88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 67.106 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

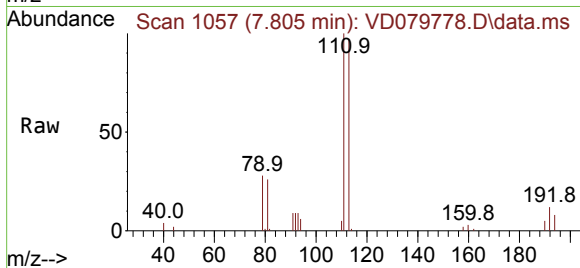
Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

Instrument :

MSVOA_D

ClientSampleId :



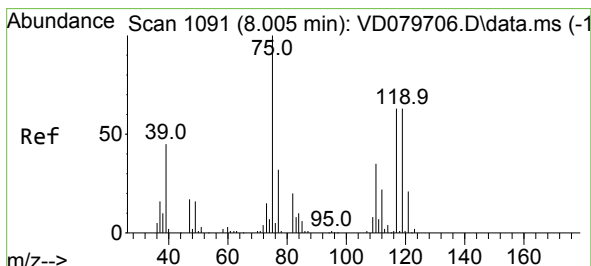
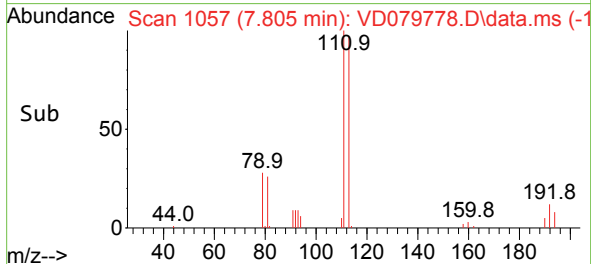
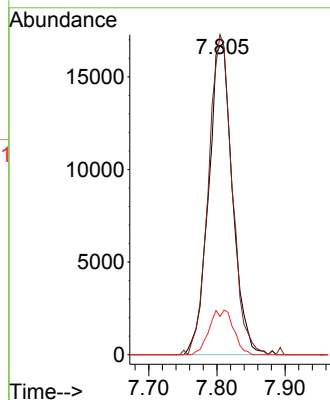
Tgt Ion:113 Resp: 40979

Ion Ratio Lower Upper

113 100

111 101.8 84.0 126.0

192 14.5 15.4 23.0#



#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD079778.D

Acq: 04 Sep 2024 17:20

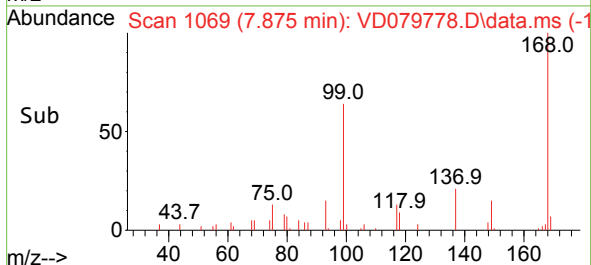
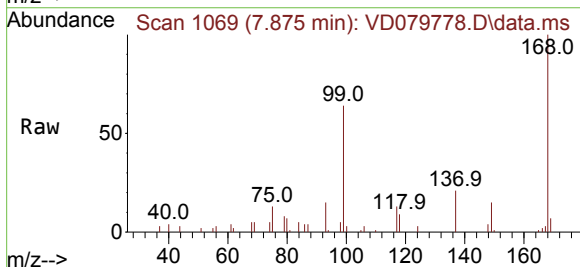
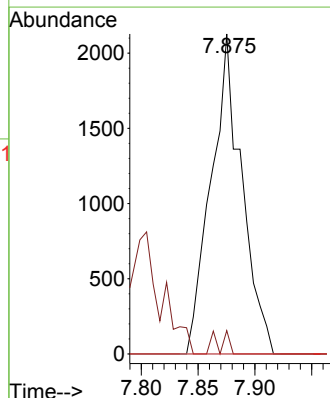
Tgt Ion: 75 Resp: 3992

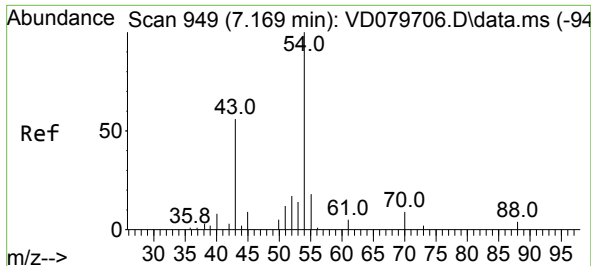
Ion Ratio Lower Upper

75 100

110 2.7 19.6 58.7#

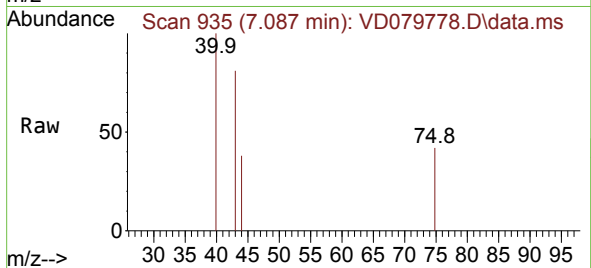
77 0.0 26.1 39.1#



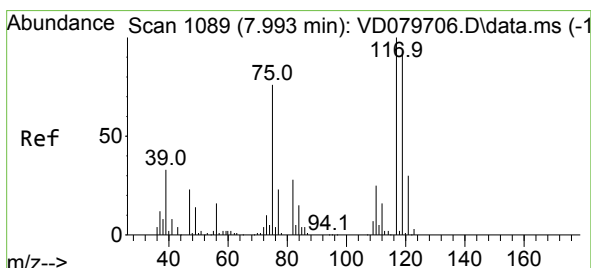
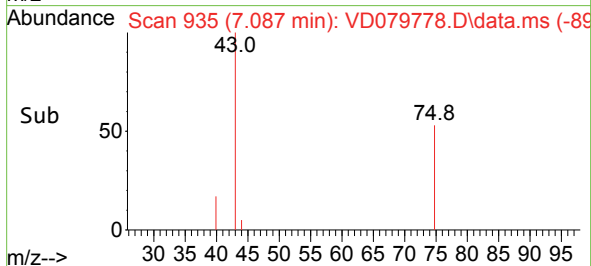
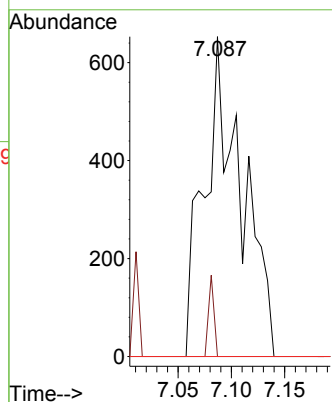


#37
Ethyl Acetate
Concen: 3.955 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.082 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

Instrument :
MSVOA_D
ClientSampleId :

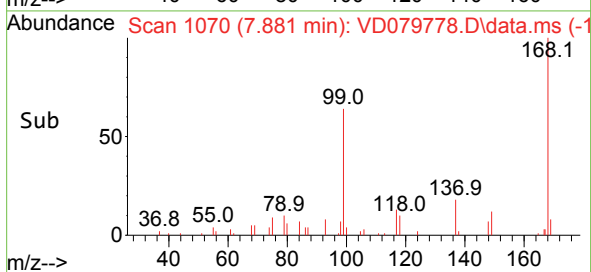
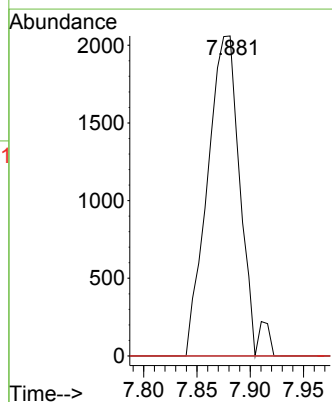
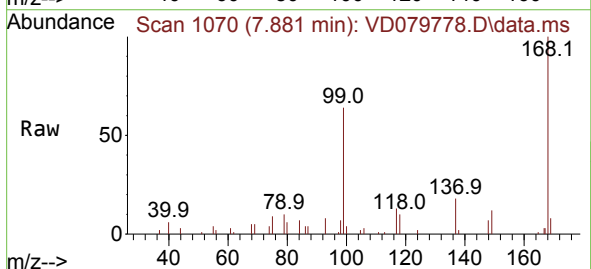


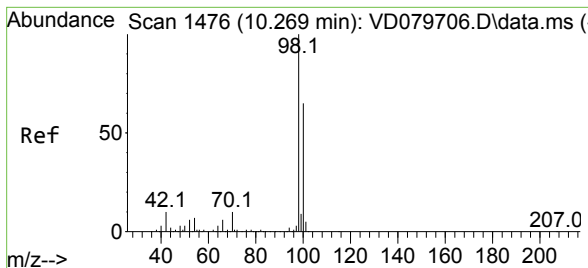
Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
61 3.7 13.9 20.9#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 4.586 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

Tgt Ion: 117 Resp: 4427
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#

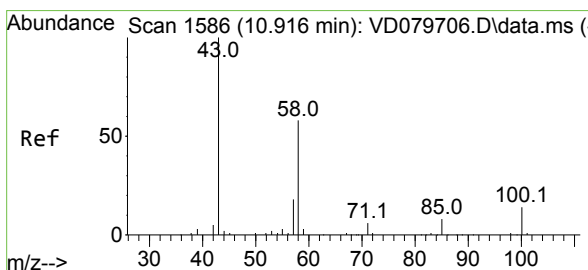
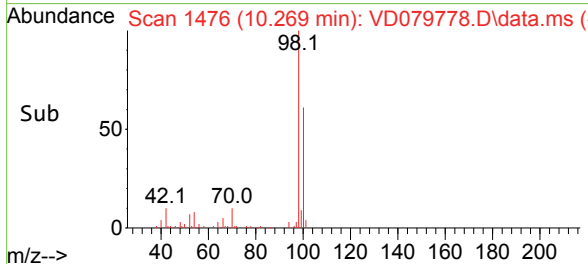
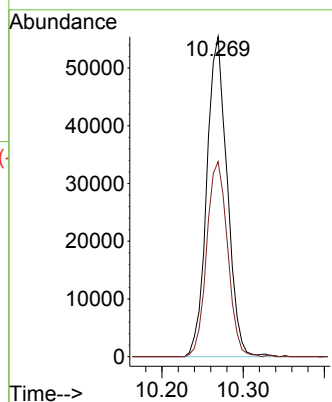
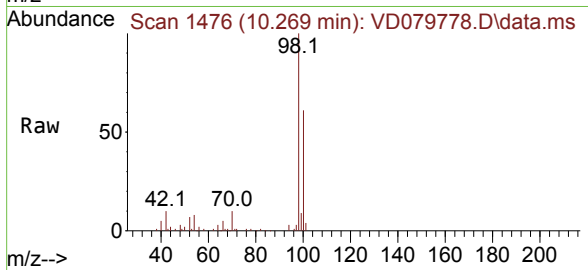




#50
Toluene-d8
Concen: 36.875 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

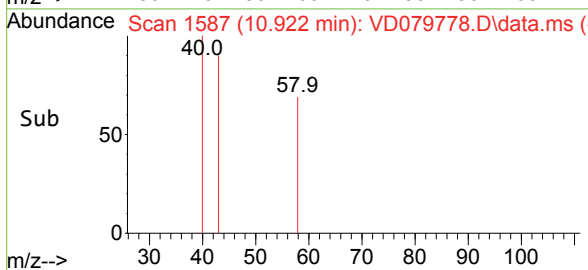
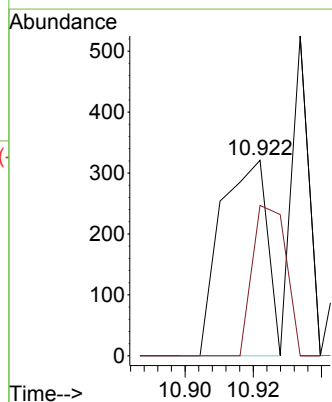
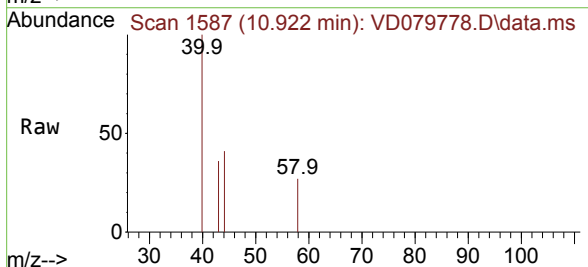
Instrument :
MSVOA_D
ClientSampleId :

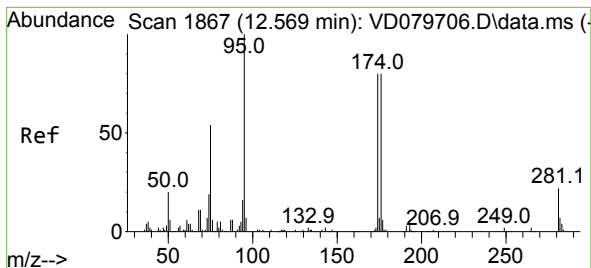
Tgt Ion: 98 Resp: 96575
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4



#59
2-Hexanone
Concen: 21.158 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
58 55.8 31.1 93.5

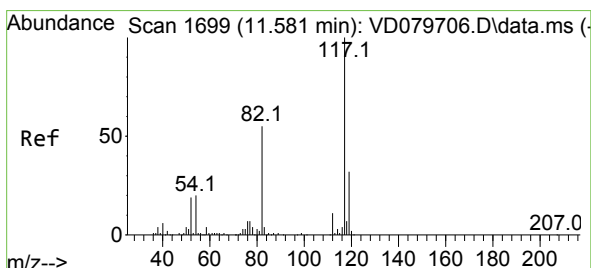
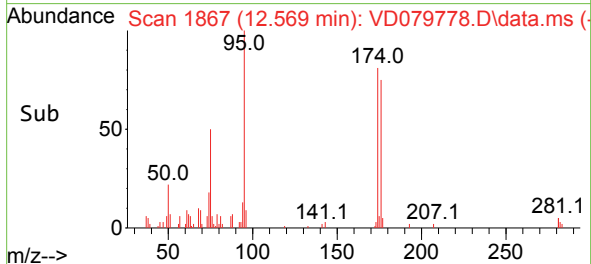
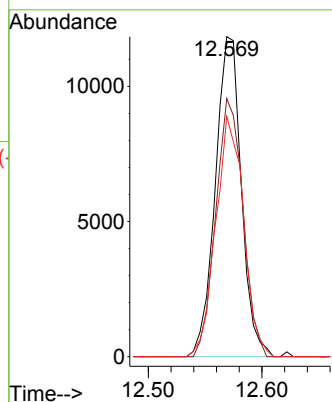
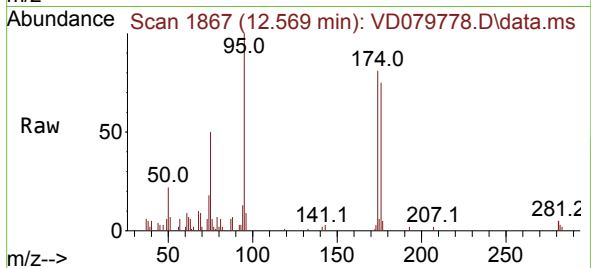




#62
4-Bromofluorobenzene
Concen: 25.723 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

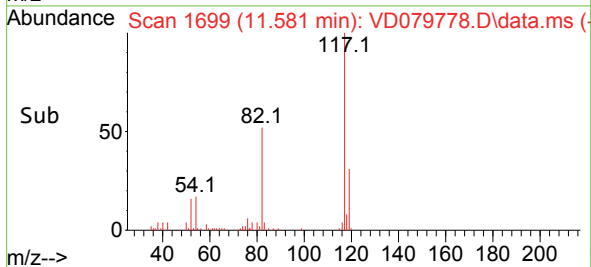
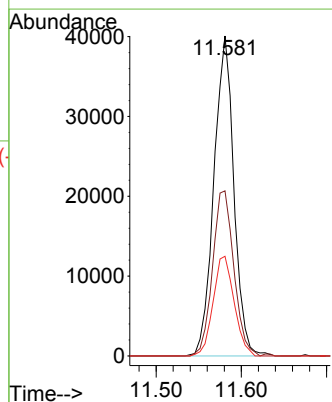
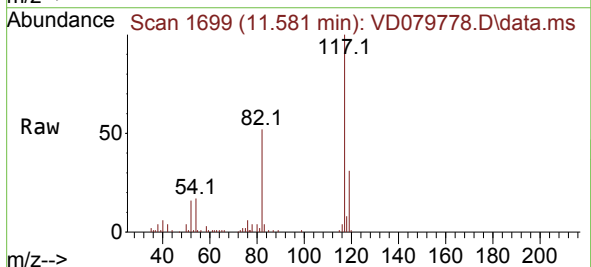
Instrument :
MSVOA_D
ClientSampleId :

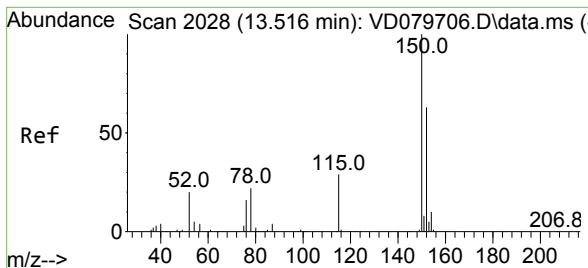
Tgt Ion: 95 Resp: 18850
Ion Ratio Lower Upper
95 100
174 84.2 0.0 195.4
176 80.1 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

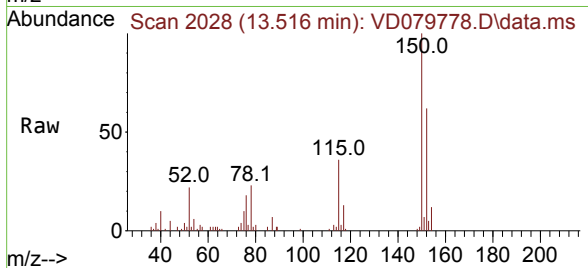
Tgt Ion: 117 Resp: 65363
Ion Ratio Lower Upper
117 100
82 51.6 39.8 59.6
119 31.1 25.7 38.5



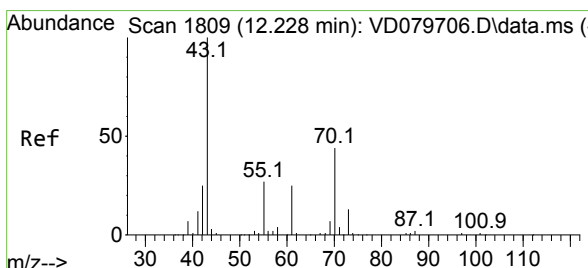
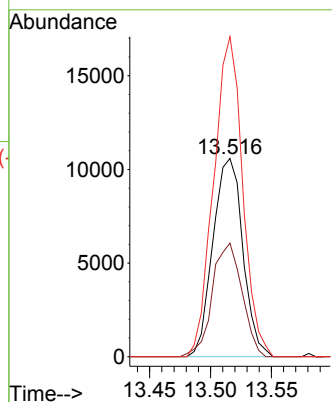
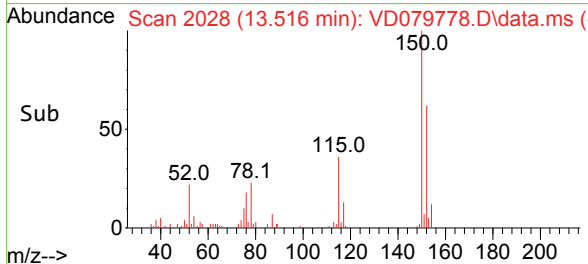


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

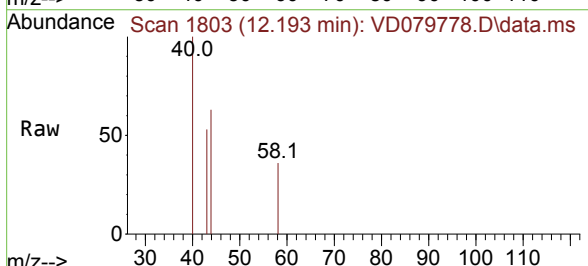
Instrument :
MSVOA_D
ClientSampleId :



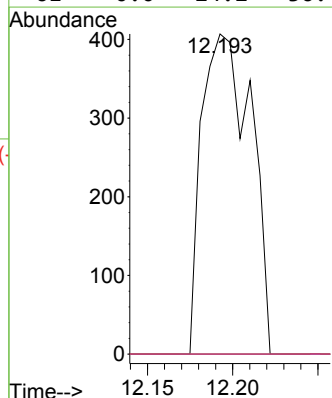
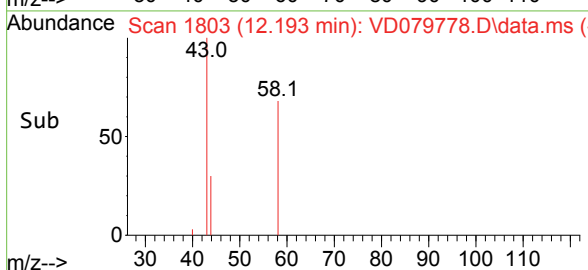
Tgt Ion:152 Resp: 18077
Ion Ratio Lower Upper
152 100
115 56.9 26.5 79.5
150 156.3 0.0 341.6

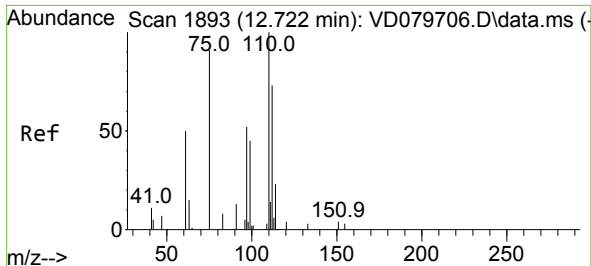


#74
N-ethyl acetate
Concen: 2.672 ug/l
RT: 12.193 min Scan# 1803
Delta R.T. -0.035 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20



Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
70 0.0 44.3 66.5#
55 0.0 23.2 34.8#
61 0.0 24.2 36.4#

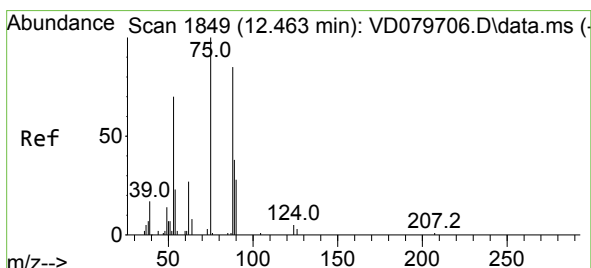
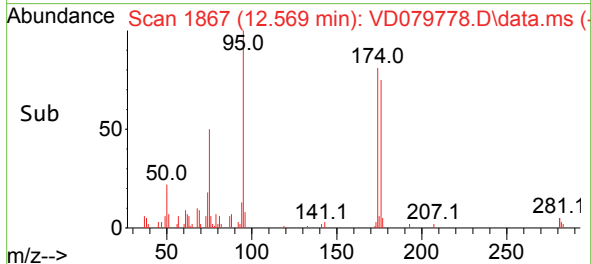
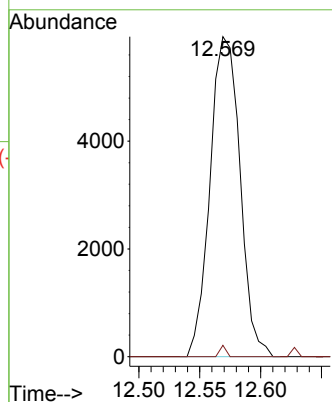
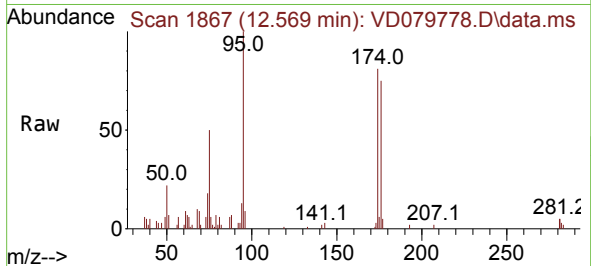




#76
1,2,3-Trichloropropane
Concen: 65.759 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

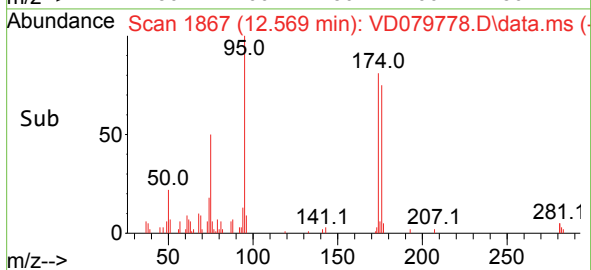
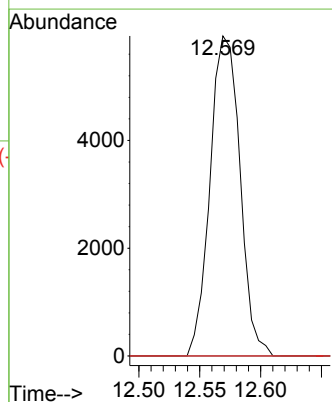
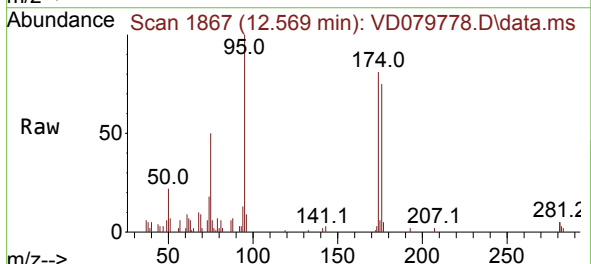
Instrument :
MSVOA_D
ClientSampleId :

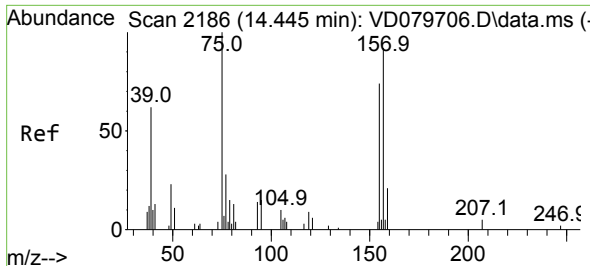
Tgt Ion: 75 Resp: 10160
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.679 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079778.D
Acq: 04 Sep 2024 17:20

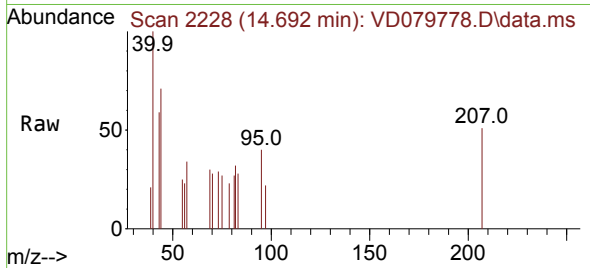
Tgt Ion: 75 Resp: 10160
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



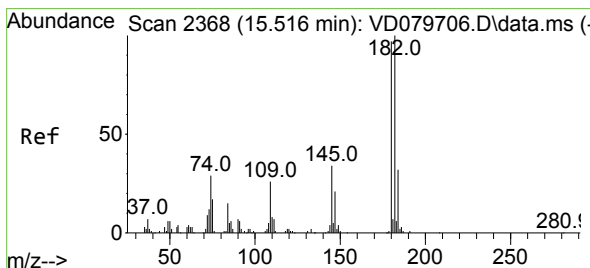
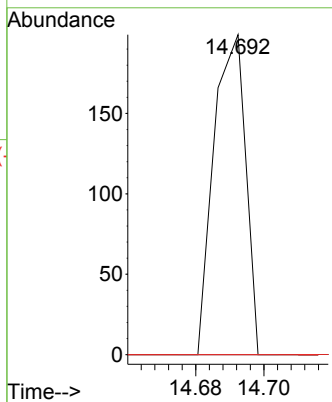
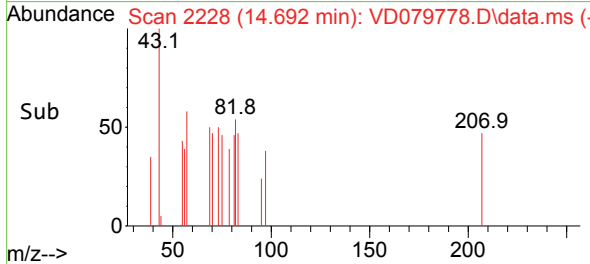


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.578 ug/l
 RT: 14.692 min Scan# 2186
 Delta R.T. 0.247 min
 Lab File: VD079778.D
 Acq: 04 Sep 2024 17:20

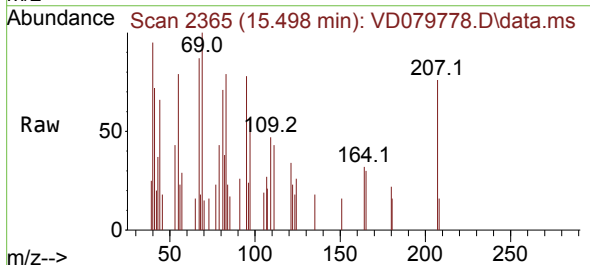
Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 129
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.7 143.1#
 157 0.0 63.4 190.2#



#96
 1,2,3-Trichlorobenzene
 Concen: 1.017 ug/l
 RT: 15.498 min Scan# 2365
 Delta R.T. -0.018 min
 Lab File: VD079778.D
 Acq: 04 Sep 2024 17:20



Tgt Ion: 180 Resp: 257
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 88.3 16.1 48.2#

