

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076561.D
 Acq On : 23 Jun 2023 16:33
 Operator : KP/SY
 Sample : 03365-24RE
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

Quant Time: Jun 24 00:55:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

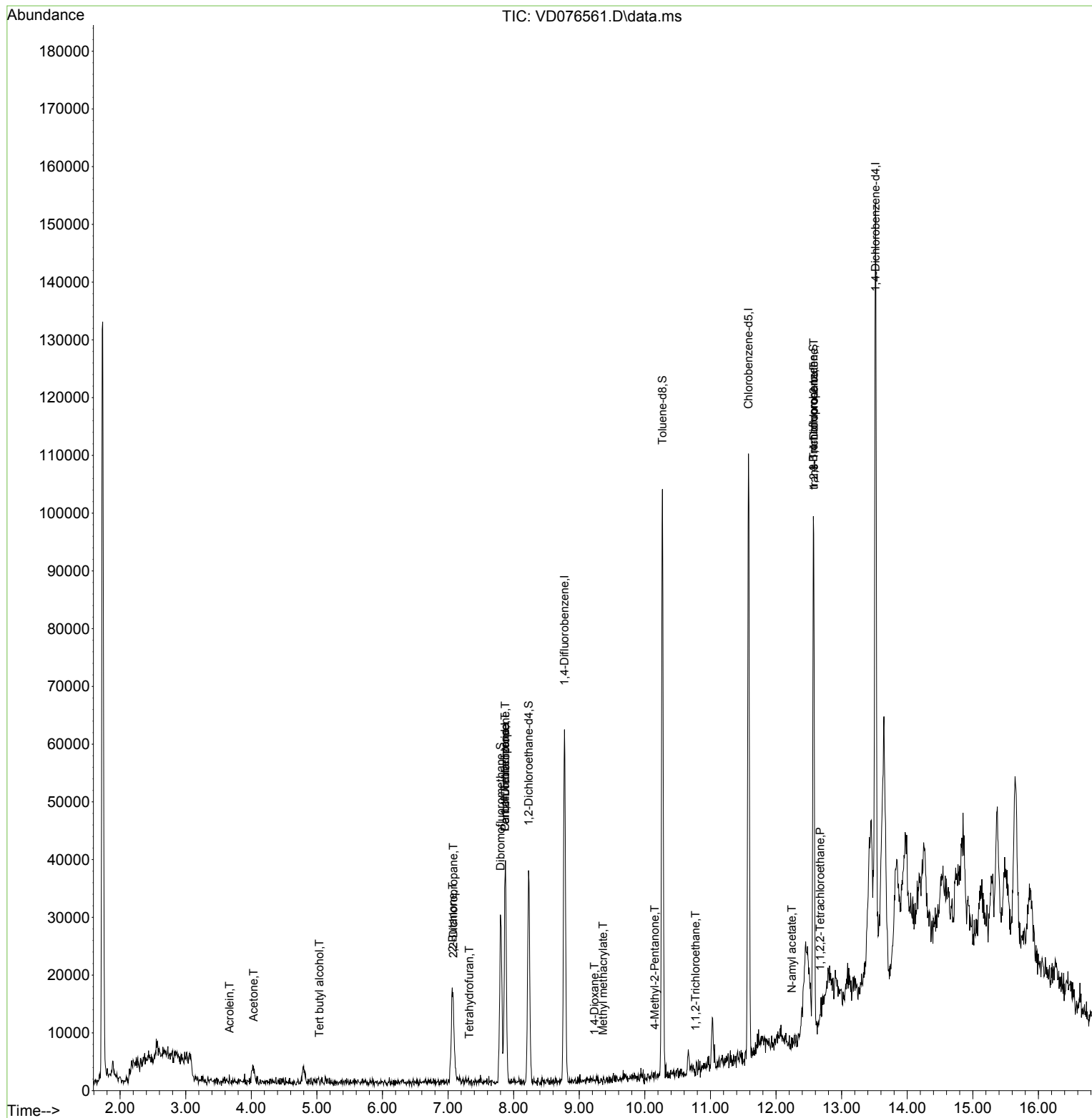
Internal Standards						
1) Pentafluorobenzene	7.869	168	27475	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	54230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	57898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	31920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	26221	95.253	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	190.500%	#
35) Dibromofluoromethane	7.798	113	20365	63.213	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	126.420%	
50) Toluene-d8	10.269	98	66237	54.213	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	108.420%	
62) 4-Bromofluorobenzene	12.569	95	25316	63.845	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	127.680%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.040	59	84	3.534	ug/l	# 73
13) Acrolein	3.669	56	54	2.109	ug/l	# 46
16) Acetone	4.034	43	5084	77.612	ug/l	# 71
20) Methylene Chloride	4.787	84	1641	Below Cal	#	73
25) 2-Butanone	7.069	43	764	7.541	ug/l	# 37
26) 2,2-Dichloropropane	7.081	77	1303	2.722	ug/l	# 49
28) Bromochloromethane	7.334	49	56	Below Cal	#	1
29) Tetrahydrofuran	7.322	42	129	1.981	ug/l	# 23
31) Cyclohexane	7.863	56	486	Below Cal	#	84
36) 1,1-Dichloropropene	7.875	75	2906	6.441	ug/l	# 41
38) Carbon Tetrachloride	7.869	117	3060	7.589	ug/l	# 11
48) Methyl methacrylate	9.363	41	232	1.023	ug/l	# 25
49) 1,4-Dioxane	9.234	88	70	29.237	ug/l	# 33
51) 4-Methyl-2-Pentanone	10.151	43	339	1.340	ug/l	# 28
55) 1,1,2-Trichloroethane	10.775	97	327	1.170	ug/l	# 16
74) N-amyl acetate	12.239	43	663	1.054	ug/l	# 45
75) 1,1,2,2-Tetrachloroethane	12.675	83	573	1.292	ug/l	# 40
76) 1,2,3-Trichloropropane	12.575	75	13398	42.292	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	13398	92.671	ug/l	# 18

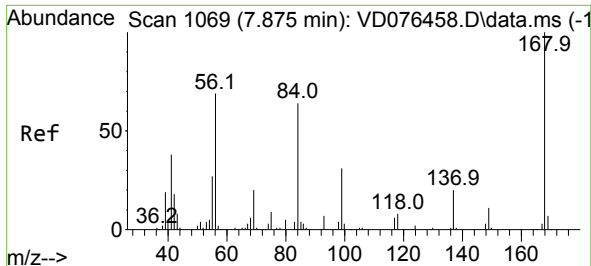
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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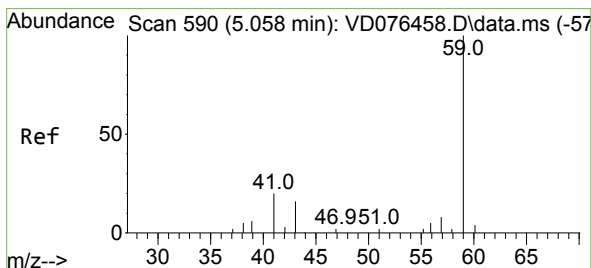
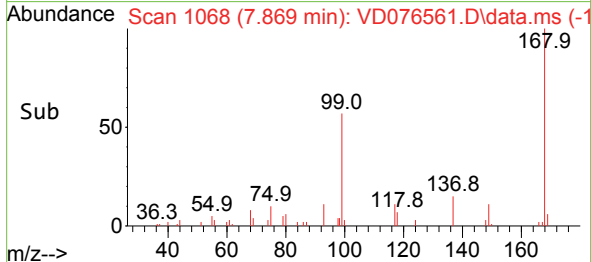
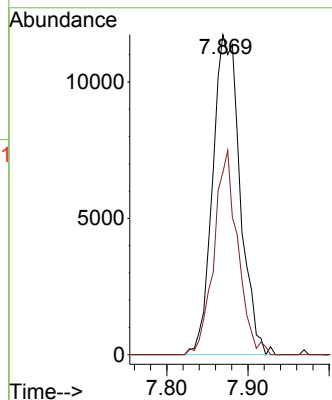
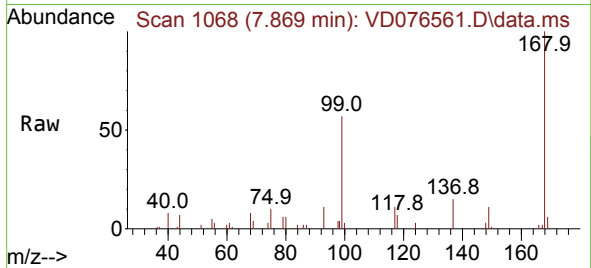




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

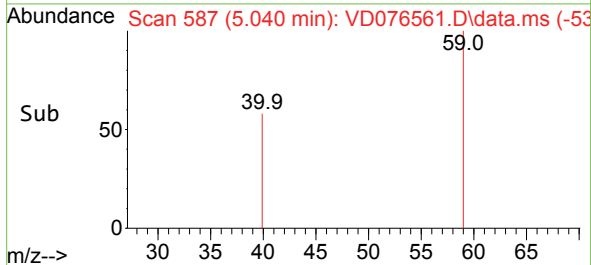
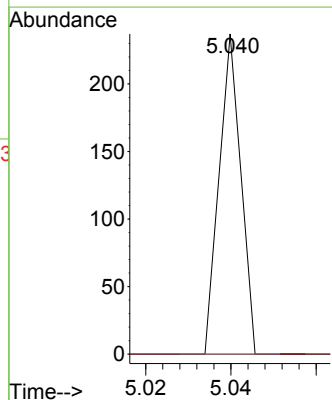
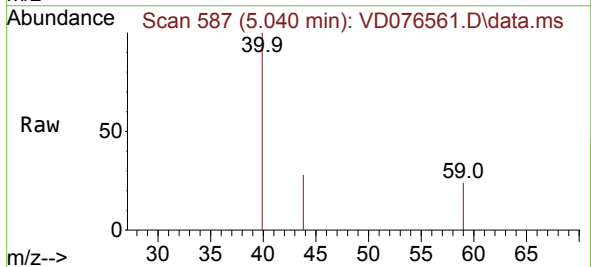
Instrument :
MSVOA_D
ClientSampleId :
TP1

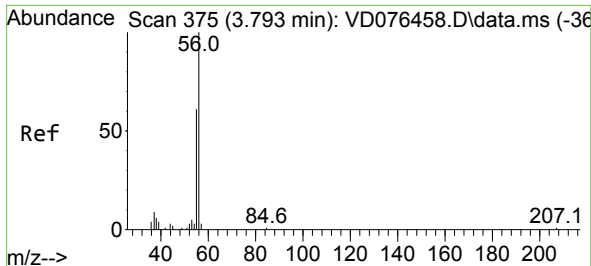
Tgt Ion:168 Resp: 27475
Ion Ratio Lower Upper
168 100
99 57.0 36.7 55.1#



#11
Tert butyl alcohol
Concen: 3.534 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.018 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

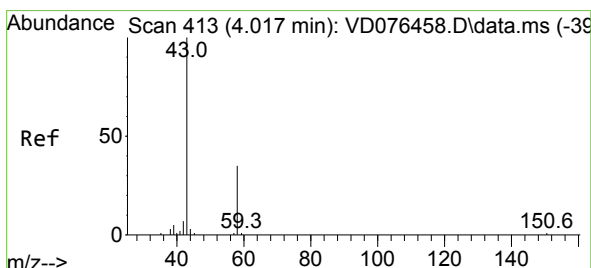
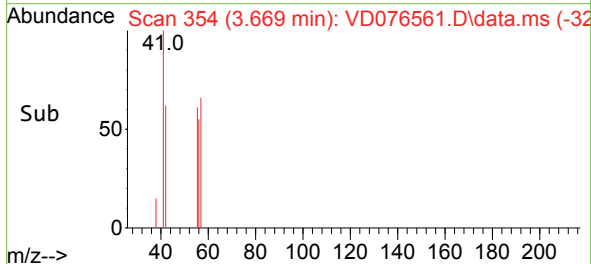
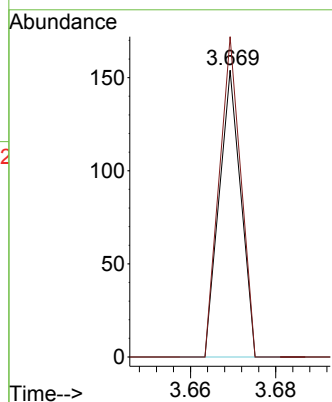
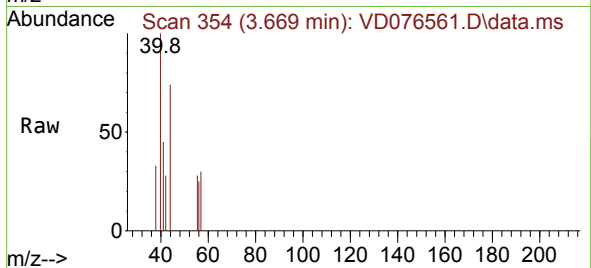




#13
Acrolein
Concen: 2.109 ug/l
RT: 3.669 min Scan# 313
Delta R.T. -0.124 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

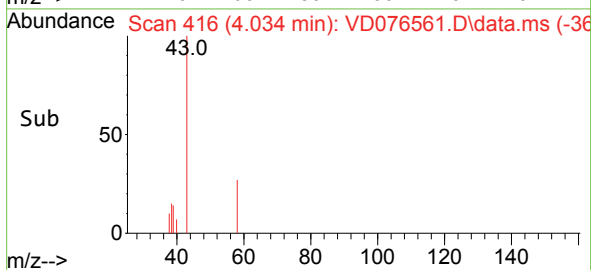
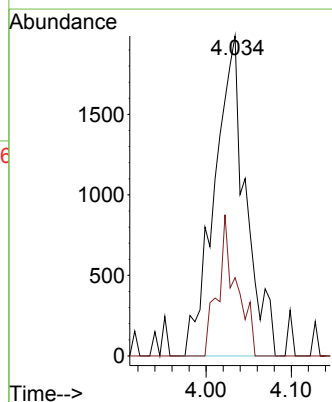
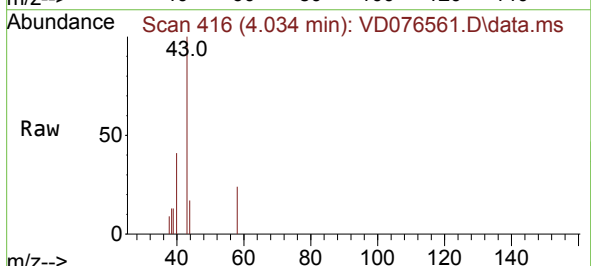
Instrument :
MSVOA_D
ClientSampleId :
TP1

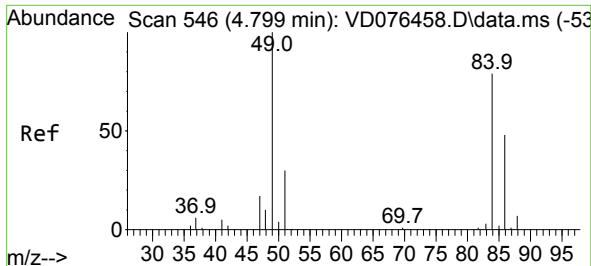
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 113.0 55.1 82.7#



#16
Acetone
Concen: 77.612 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

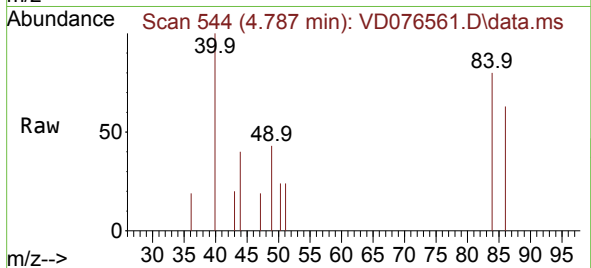
Tgt Ion: 43 Resp: 5084
Ion Ratio Lower Upper
43 100
58 24.5 34.7 52.1#



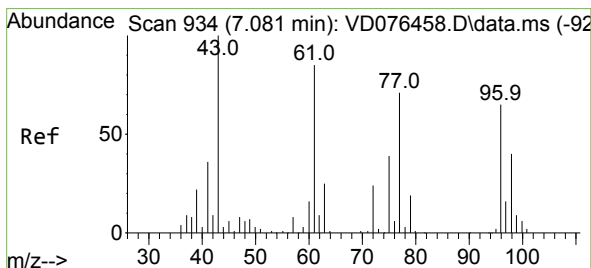
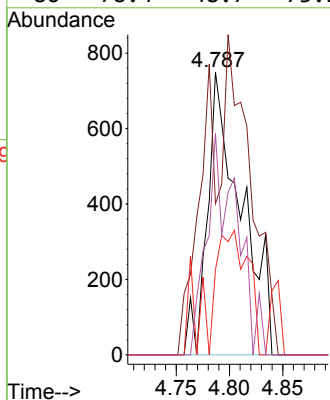
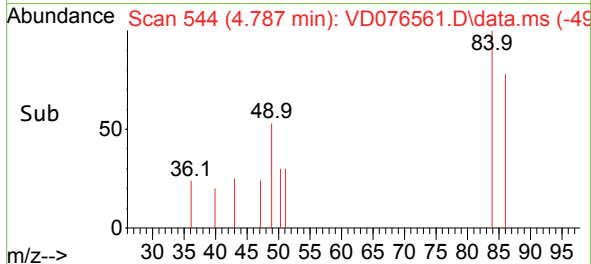


#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP1

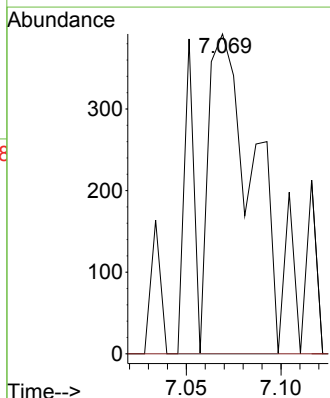
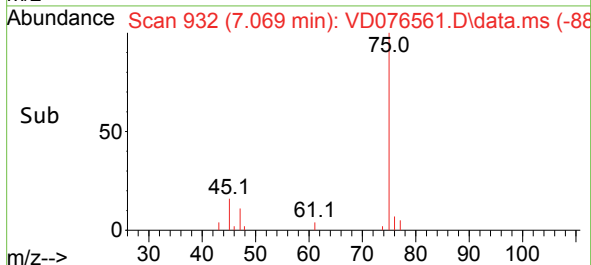
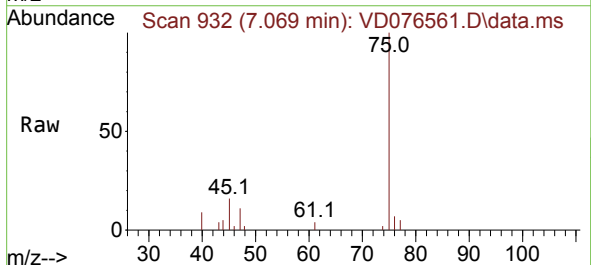


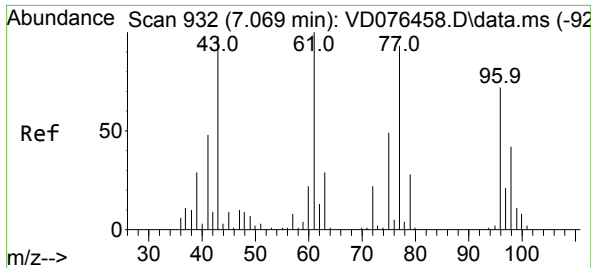
Tgt Ion: 84 Resp: 1641
Ion Ratio Lower Upper
84 100
49 53.5 71.4 107.2#
51 30.1 24.5 36.7
86 78.4 48.7 73.1#



#25
2-Butanone
Concen: 7.541 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

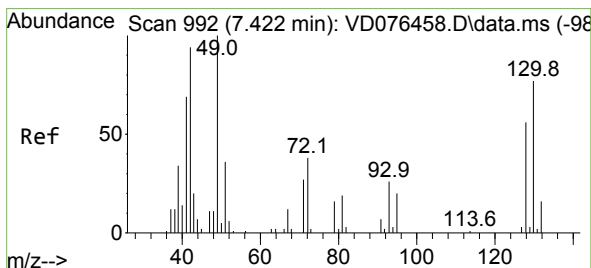
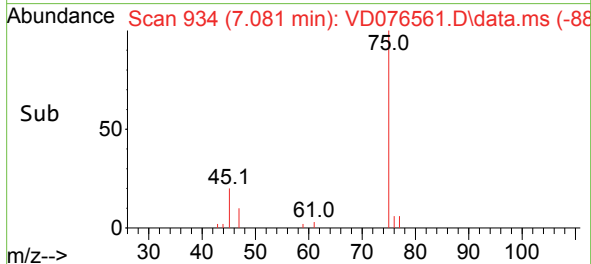
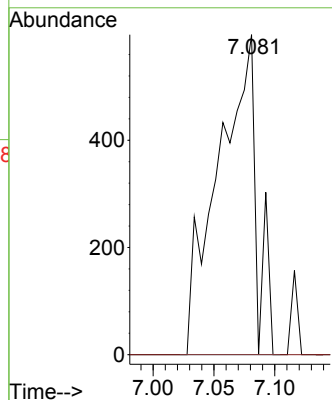
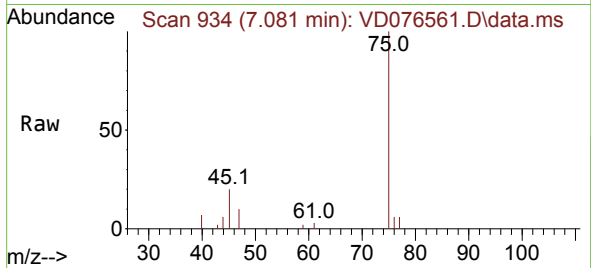




#26
2,2-Dichloropropane
Concen: 2.722 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

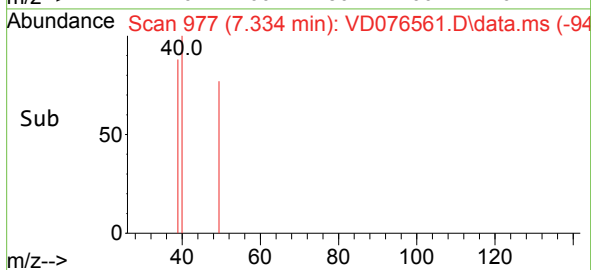
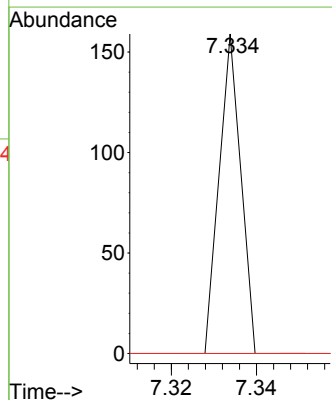
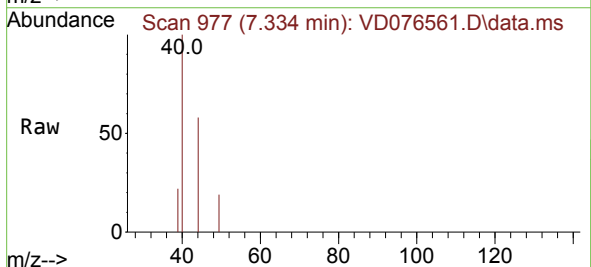
Instrument :
MSVOA_D
ClientSampleId :
TP1

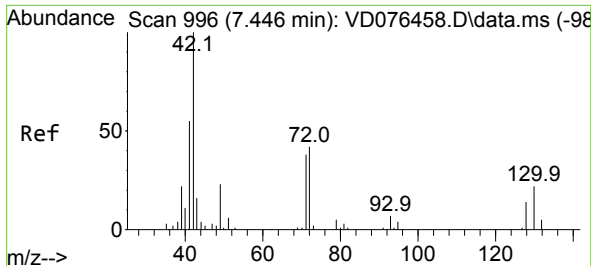
Tgt Ion: 77 Resp: 1303
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.334 min Scan# 977
Delta R.T. -0.088 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

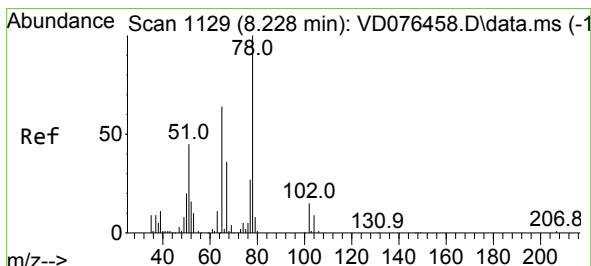
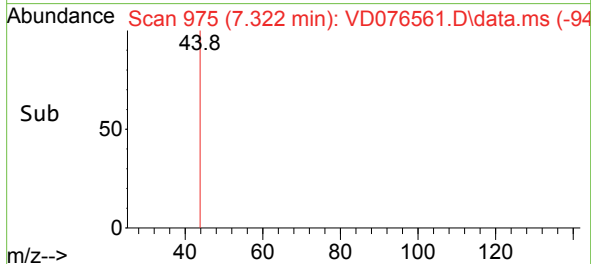
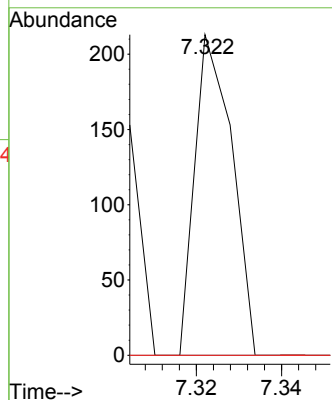
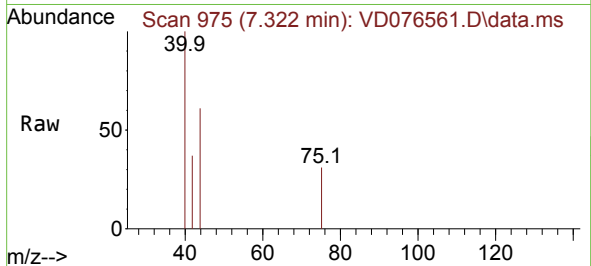




#29
Tetrahydrofuran
Concen: 1.981 ug/l
RT: 7.322 min Scan# 91
Delta R.T. -0.124 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

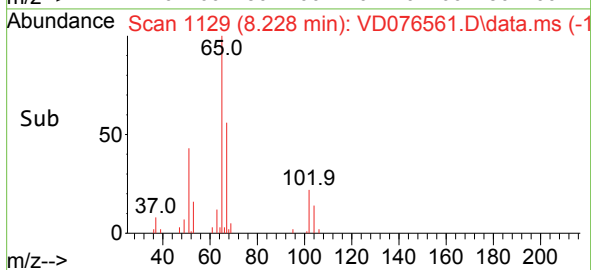
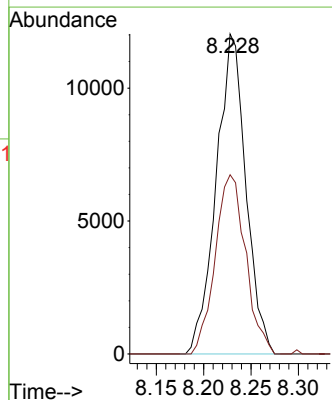
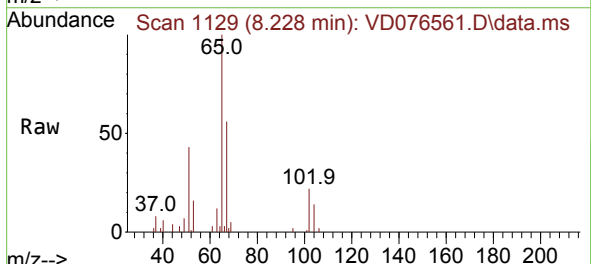
Instrument :
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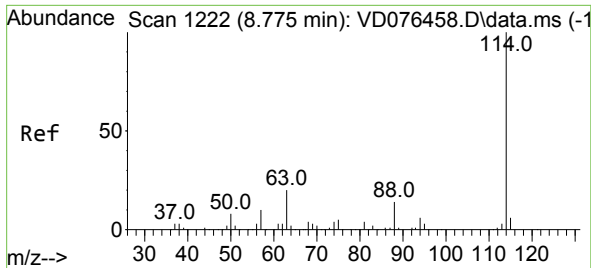
Tgt Ion: 42 Resp: 129
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 95.253 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 65 Resp: 26221
Ion Ratio Lower Upper
65 100
67 57.5 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: VD076561.D

Acq: 23 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP1

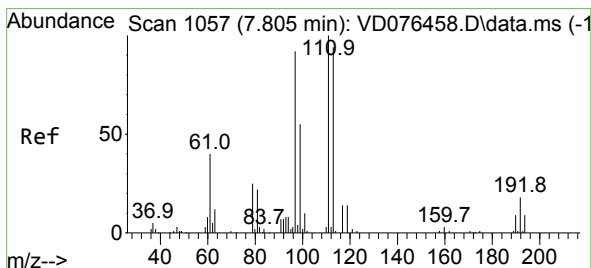
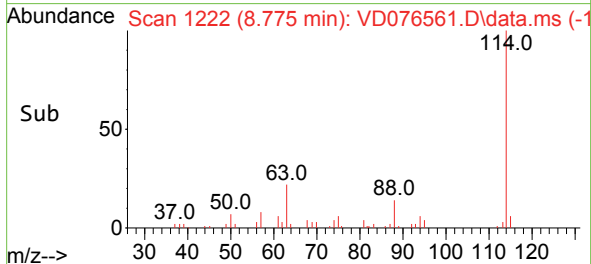
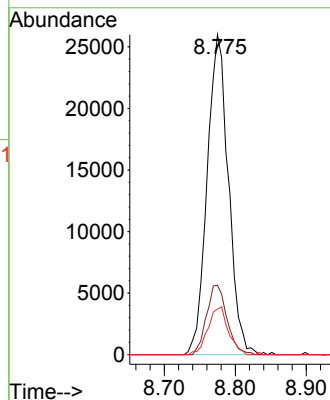
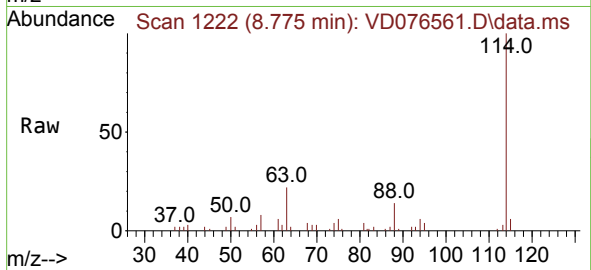
Tgt Ion:114 Resp: 54230

Ion Ratio Lower Upper

114 100

63 21.7 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 63.213 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

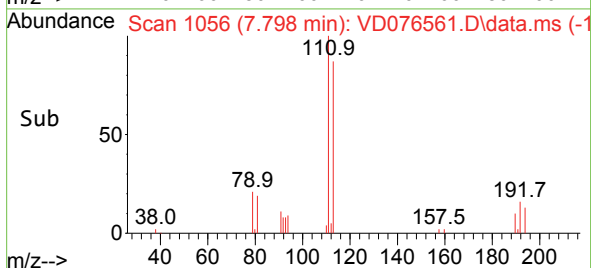
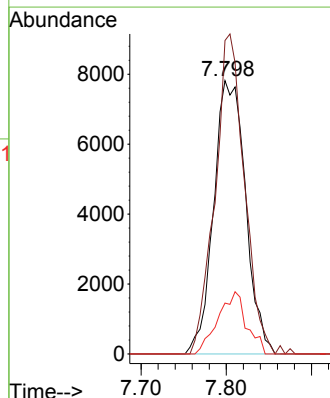
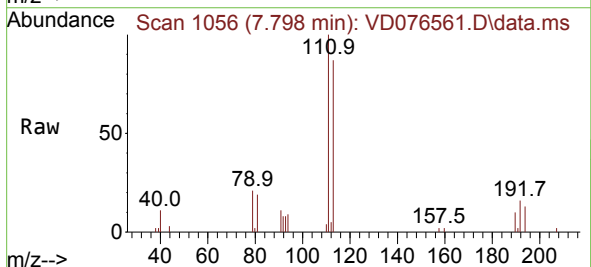
Tgt Ion:113 Resp: 20365

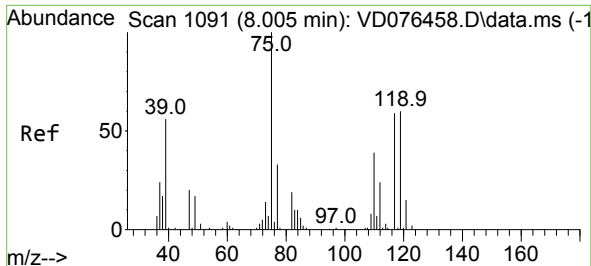
Ion Ratio Lower Upper

113 100

111 107.4 84.7 127.1

192 20.4 16.8 25.2

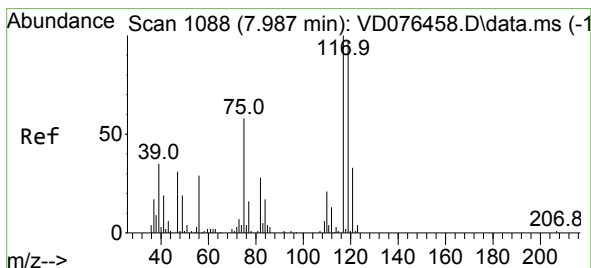
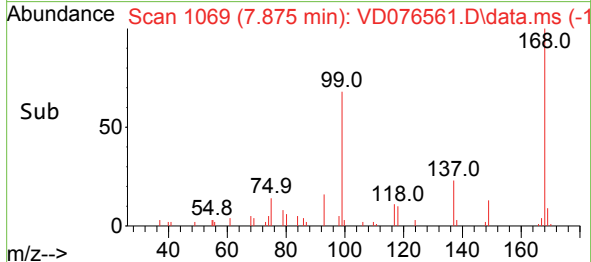
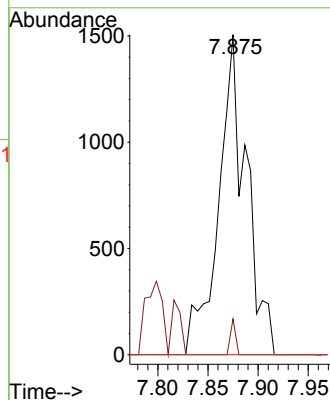
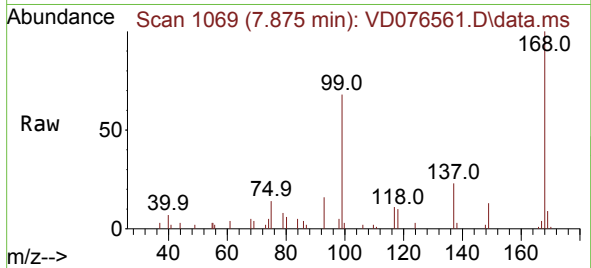




#36
1,1-Dichloropropene
Concen: 6.441 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

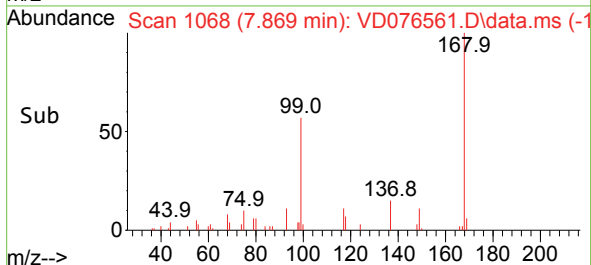
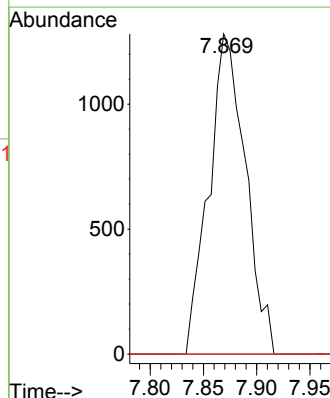
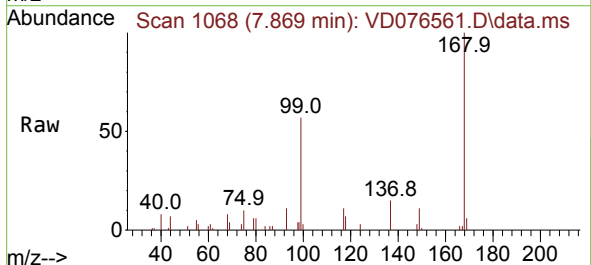
Instrument :
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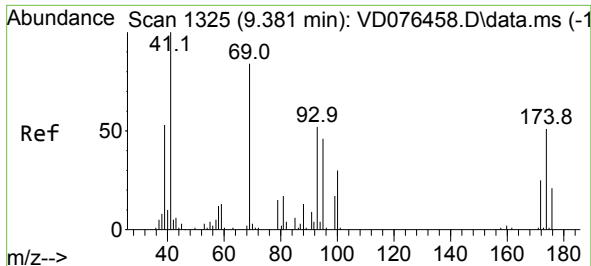
Tgt Ion: 75 Resp: 2906
Ion Ratio Lower Upper
75 100
110 2.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.589 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 117 Resp: 3060
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#





#48

Methyl methacrylate

Concen: 1.023 ug/l

RT: 9.363 min Scan# 11

Delta R.T. -0.018 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP1

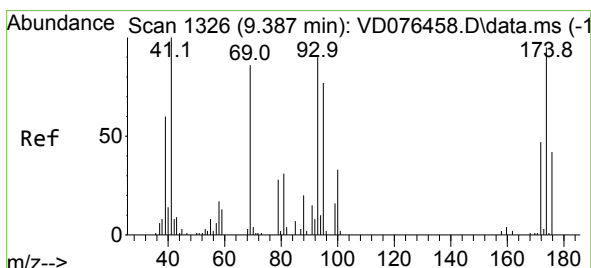
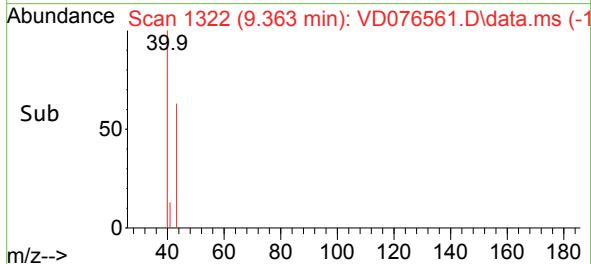
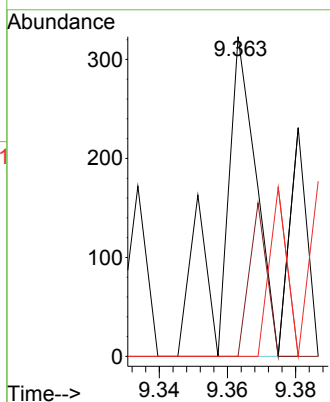
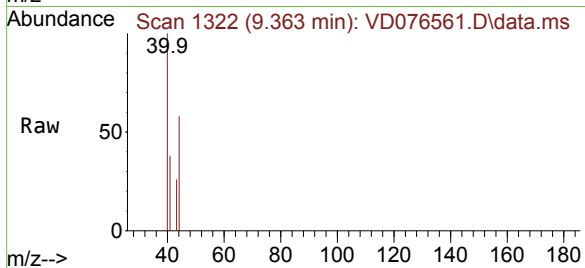
Tgt Ion: 41 Resp: 232

Ion Ratio Lower Upper

41 100

69 23.7 102.2 153.2#

39 25.9 41.4 62.2#



#49

1,4-Dioxane

Concen: 29.237 ug/l

RT: 9.234 min Scan# 1300

Delta R.T. -0.153 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

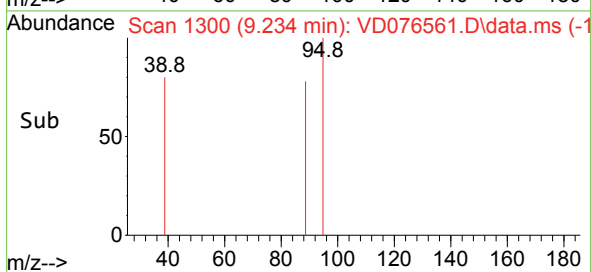
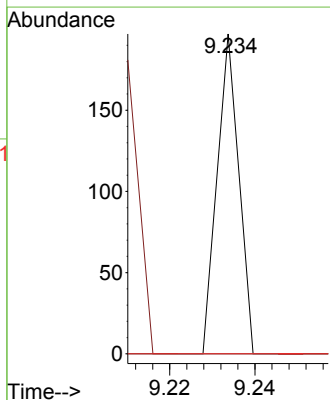
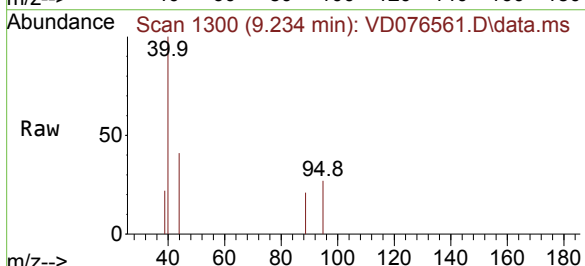
Tgt Ion: 88 Resp: 70

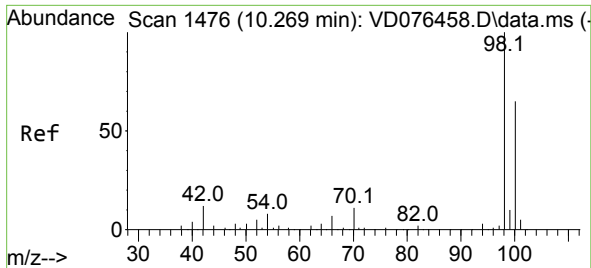
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

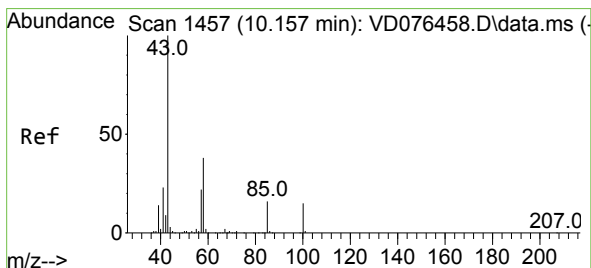
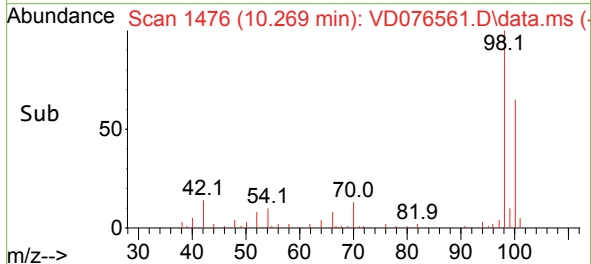
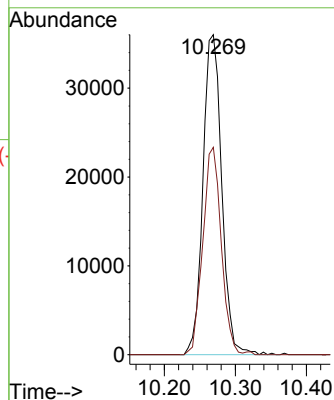
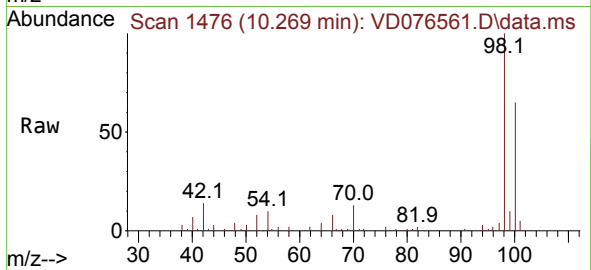




#50
Toluene-d8
Concen: 54.213 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

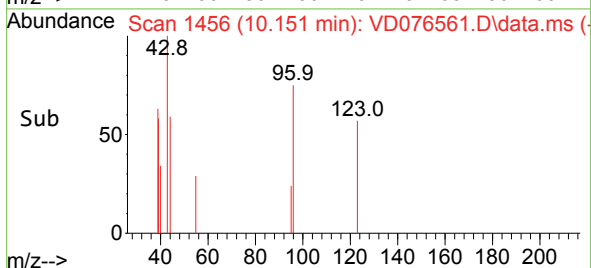
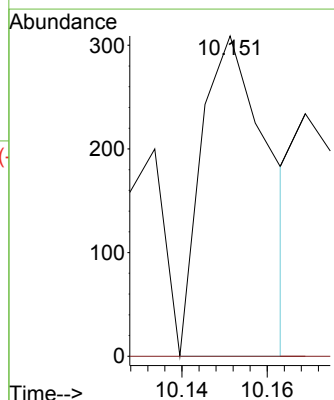
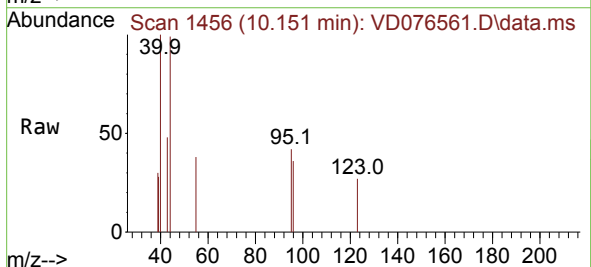
Instrument :
MSVOA_D
ClientSampleId :
TP1

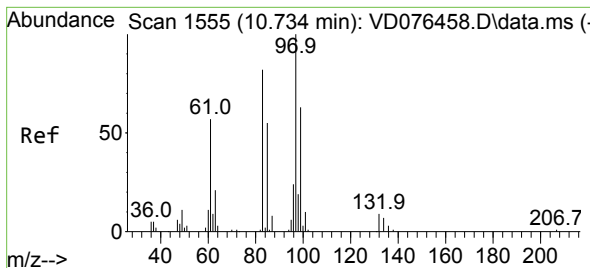
Tgt Ion: 98 Resp: 66237
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.151 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#





#55

1,1,2-Trichloroethane

Concen: 1.170 ug/l

RT: 10.775 min Scan# 1562

Delta R.T. 0.041 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP1

Tgt Ion: 97 Resp: 327

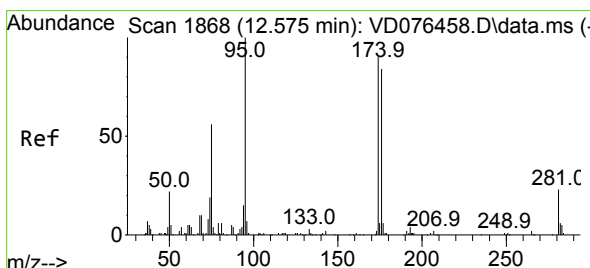
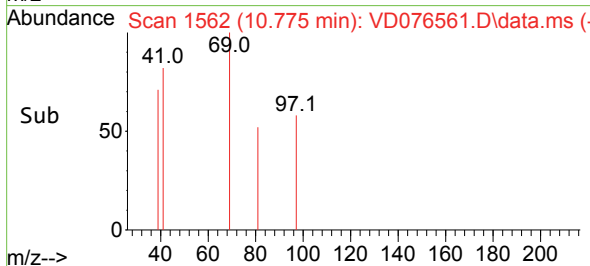
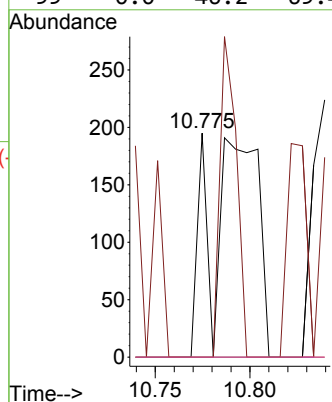
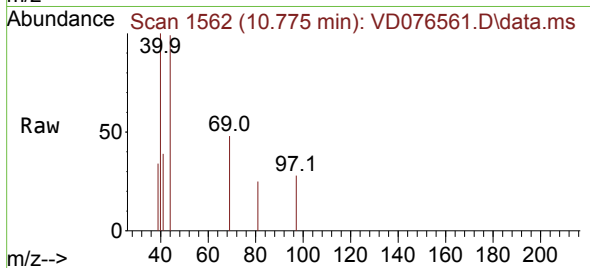
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.6#

85 0.0 45.7 68.5#

99 0.0 46.2 69.4#



#62

4-Bromofluorobenzene

Concen: 63.845 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

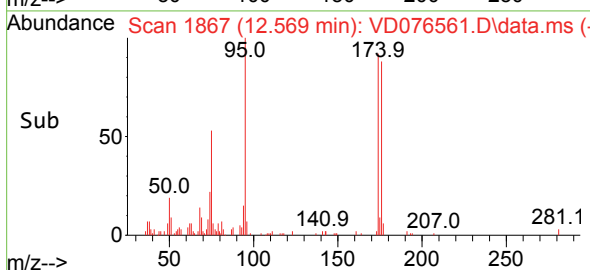
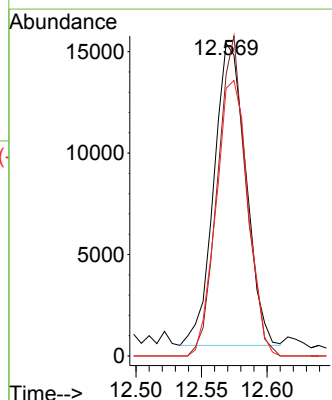
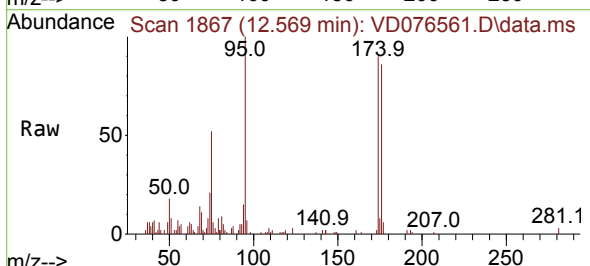
Tgt Ion: 95 Resp: 25316

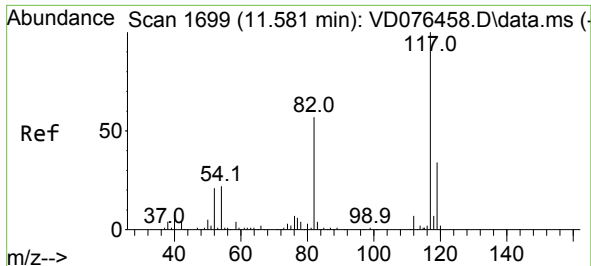
Ion Ratio Lower Upper

95 100

174 94.2 0.0 201.8

176 91.2 0.0 191.8

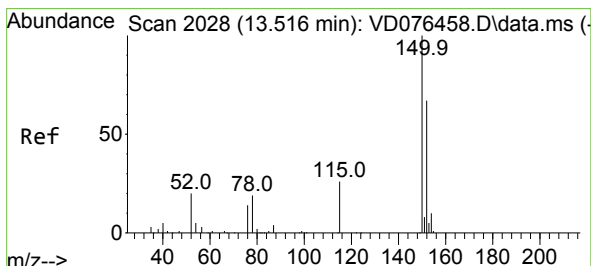
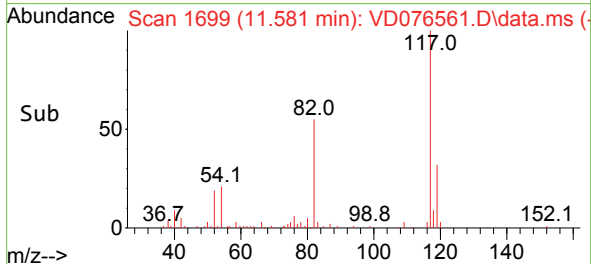
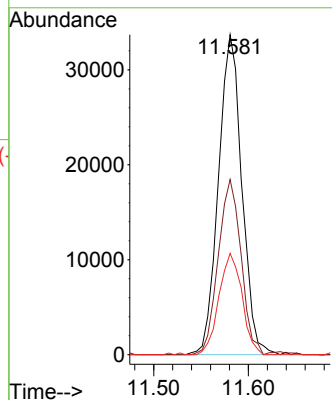
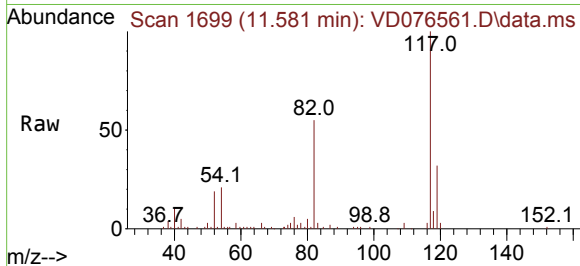




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

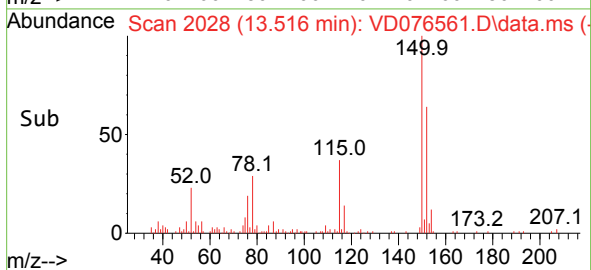
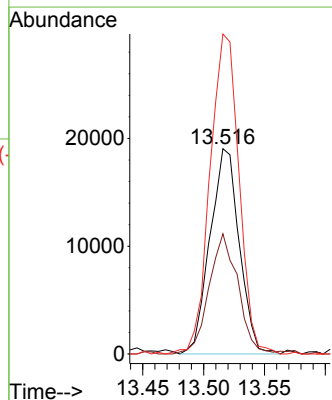
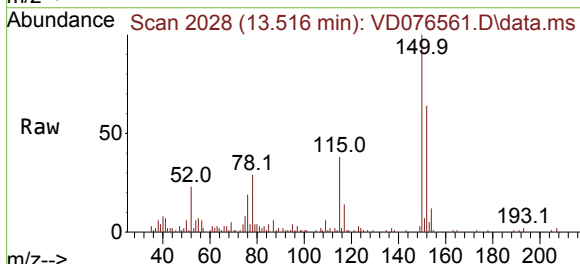
Instrument :
MSVOA_D
ClientSampleId :
TP1

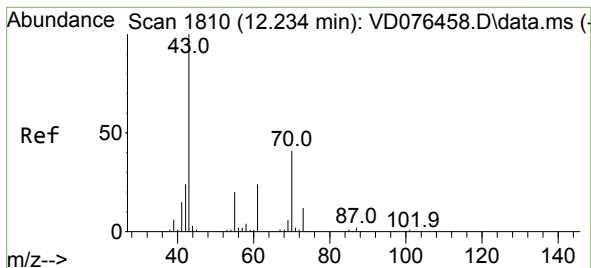
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	38.3	57.5
119	31.6	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.1	81.3
150	154.2	0.0	353.6





#74

N-amy1 acetate

Concen: 1.054 ug/l

RT: 12.239 min Scan# 1810

Delta R.T. 0.006 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

TP1

Tgt Ion: 43 Resp: 663

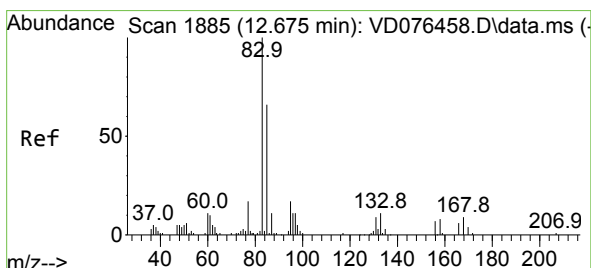
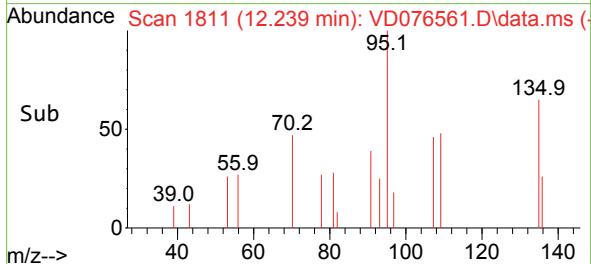
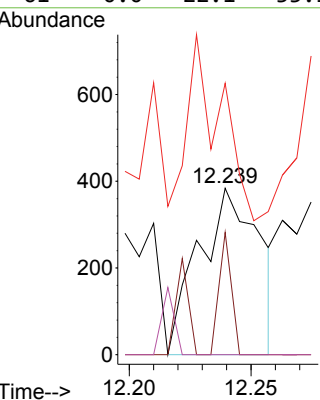
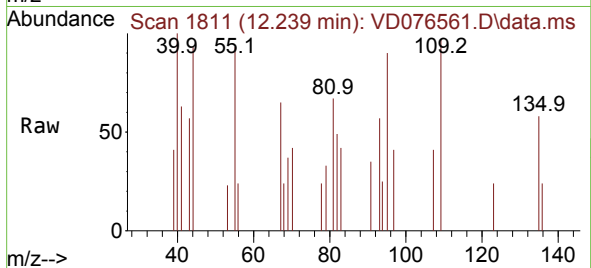
Ion Ratio Lower Upper

43 100

70 15.1 45.0 67.4#

55 0.0 23.8 35.6#

61 0.0 22.1 33.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.292 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD076561.D

Acq: 23 Jun 2023 16:33

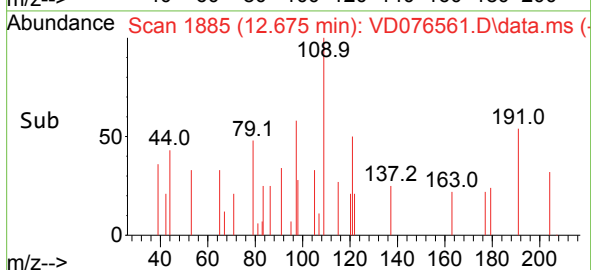
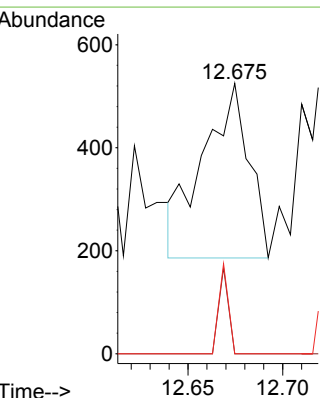
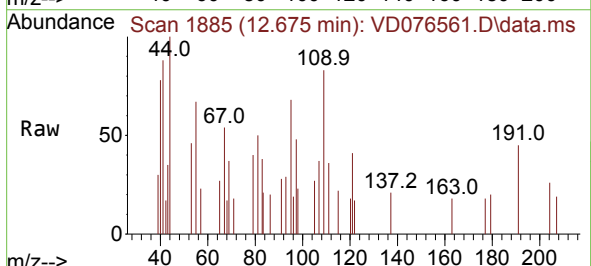
Tgt Ion: 83 Resp: 573

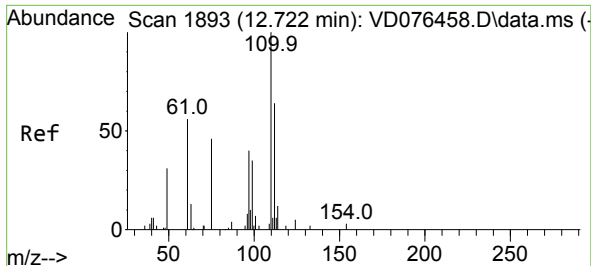
Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 10.8 32.6 97.8#

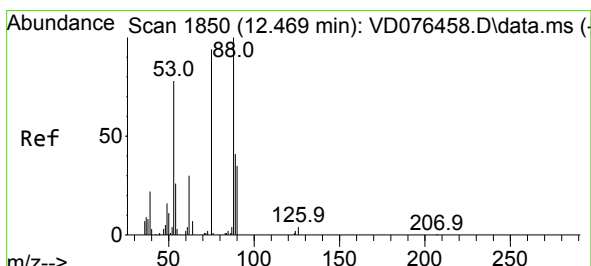
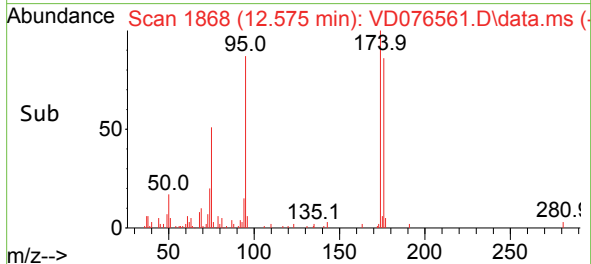
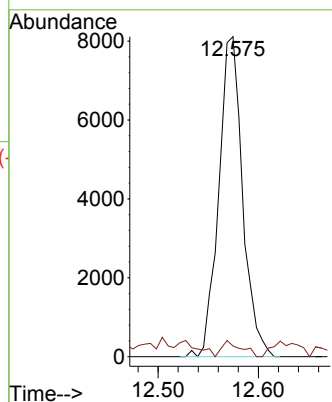
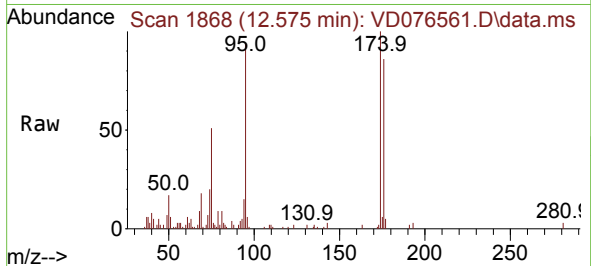




#76
1,2,3-Trichloropropane
Concen: 42.292 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Instrument :
MSVOA_D
ClientSampleId :
TP1

Tgt Ion: 75 Resp: 13398
Ion Ratio Lower Upper
75 100
77 4.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.671 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076561.D
Acq: 23 Jun 2023 16:33

Tgt Ion: 75 Resp: 13398
Ion Ratio Lower Upper
75 100
53 1.2 63.0 94.4#
89 0.0 37.9 56.9#

