

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078072.D
 Acq On : 22 Dec 2023 18:56
 Operator : RP/MD
 Sample : 05879-13
 Misc : 1.42G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:40:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

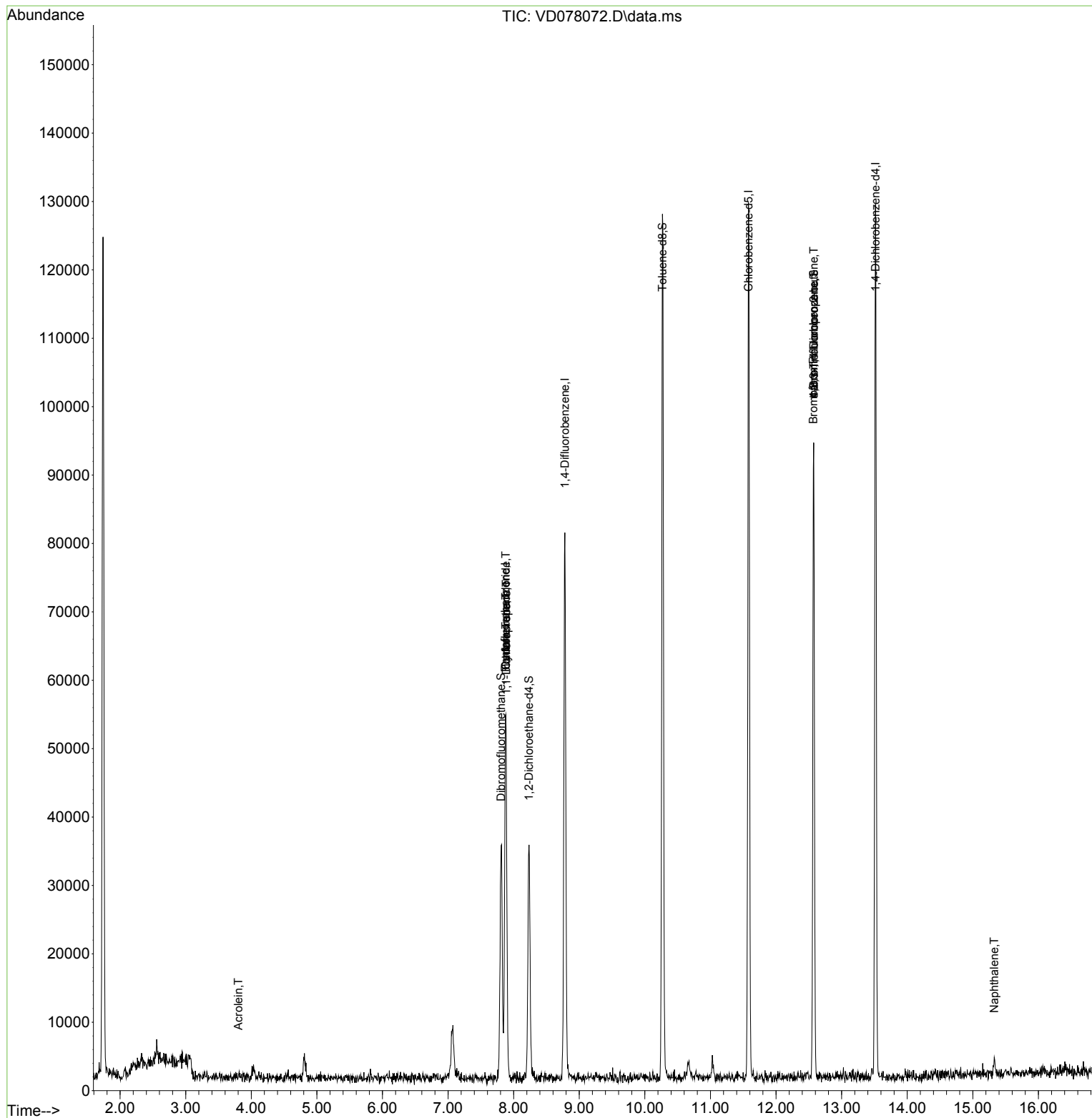
Internal Standards						
1) Pentafluorobenzene	7.875	168	41247	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	71447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	73917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	34288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	26987	55.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.040%	
35) Dibromofluoromethane	7.810	113	25035	50.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.040%	
50) Toluene-d8	10.269	98	88485	44.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.300%	
62) 4-Bromofluorobenzene	12.575	95	28409	47.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	70	Below Cal	#	1
13) Acrolein	3.805	56	54	1.050	ug/l #	15
16) Acetone	4.028	43	1844	Below Cal	#	86
20) Methylene Chloride	4.805	84	2156	Below Cal		93
25) 2-Butanone	7.075	43	306	Below Cal	#	37
31) Cyclohexane	7.881	56	1241	1.436	ug/l #	64
36) 1,1-Dichloropropene	7.887	75	3895	4.866	ug/l #	44
38) Carbon Tetrachloride	7.881	117	3809	4.773	ug/l #	11
71) Bromoform	12.569	173	637	1.983	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	14394	48.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	14394	97.931	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.681	75	62	Below Cal	#	1
95) Naphthalene	15.328	128	2253	1.867	ug/l #	69

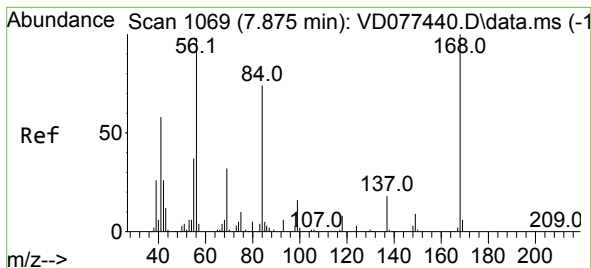
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
Data File : VD078072.D
Acq On : 22 Dec 2023 18:56
Operator : RP/MD
Sample : 05879-13
Misc : 1.42G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 23 03:40:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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: VD078072.D

Acq: 22 Dec 2023 18:56

Instrument :

MSVOA_D

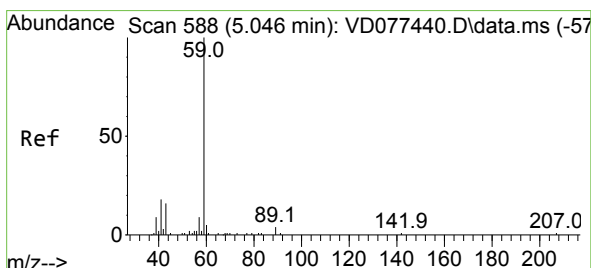
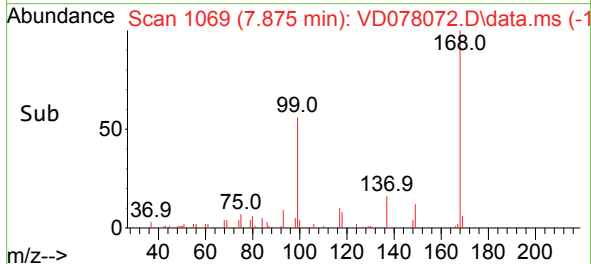
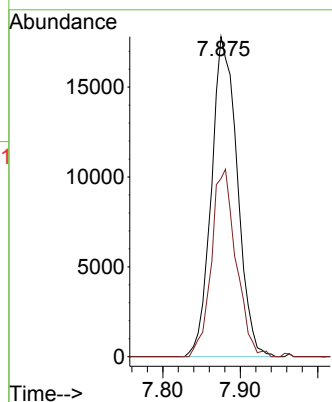
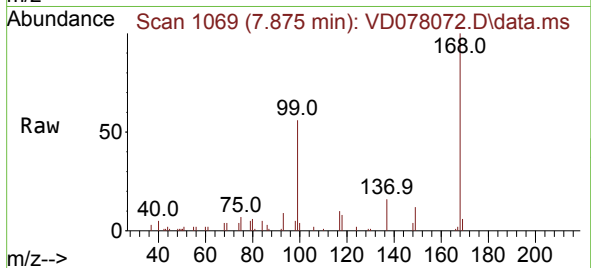
ClientSampleId :

Tgt Ion:168 Resp: 41247

Ion Ratio Lower Upper

168 100

99 55.7 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD078072.D

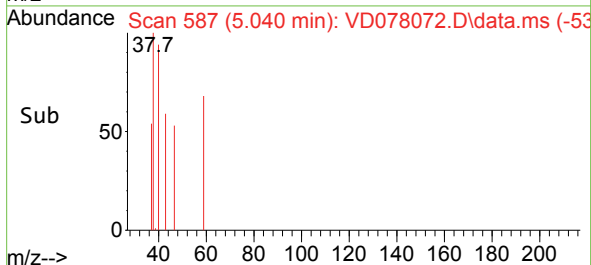
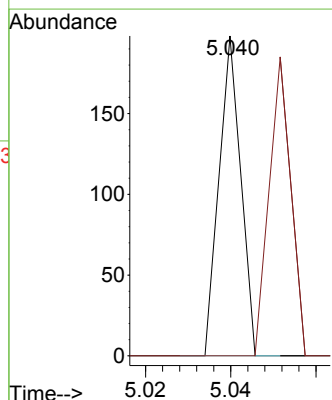
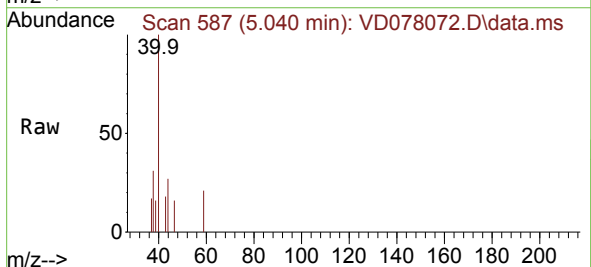
Acq: 22 Dec 2023 18:56

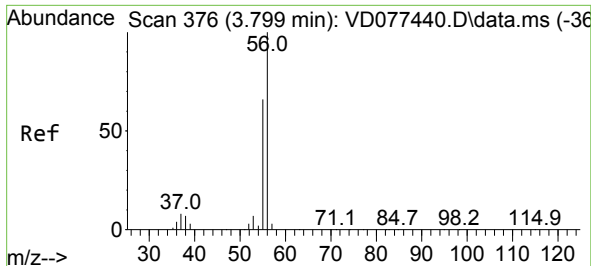
Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

59 100

57 92.9 7.8 11.8#

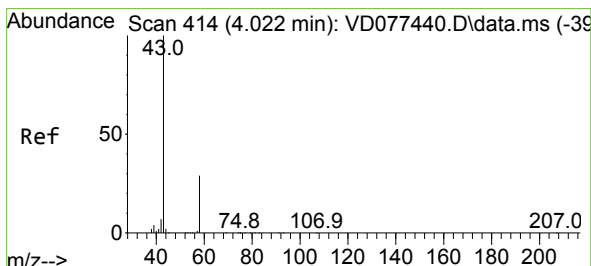
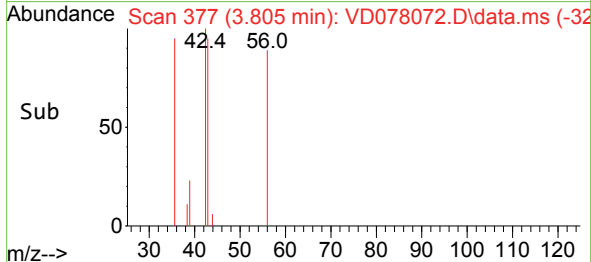
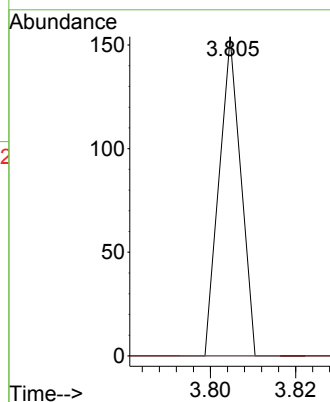
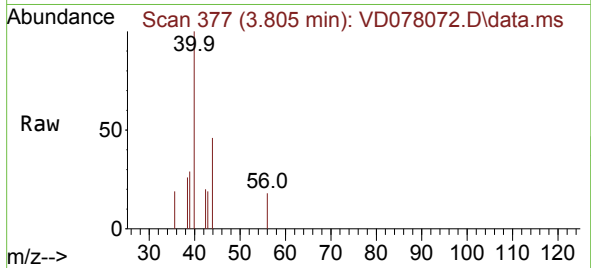




#13
Acrolein
Concen: 1.050 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

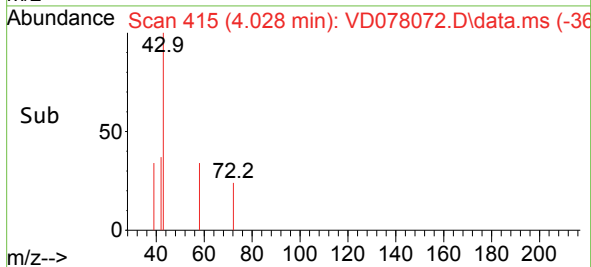
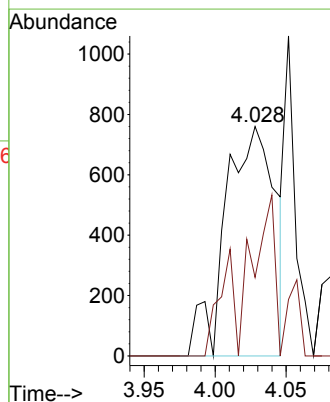
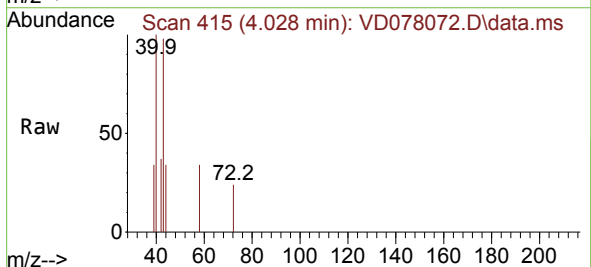
Instrument :
MSVOA_D
ClientSampleId :

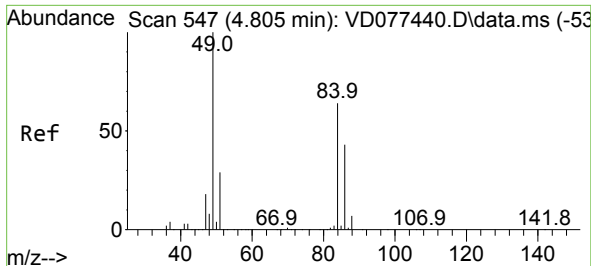
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

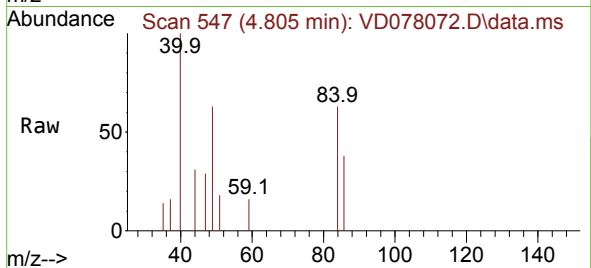
Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
58 34.2 34.7 52.1#





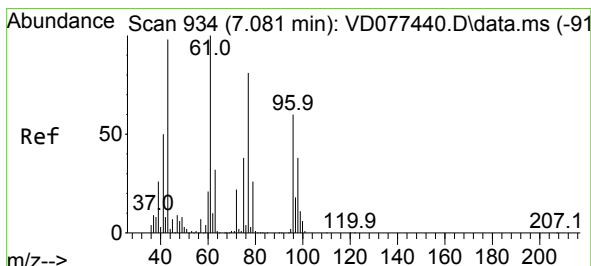
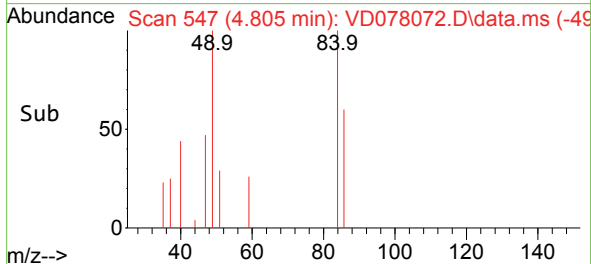
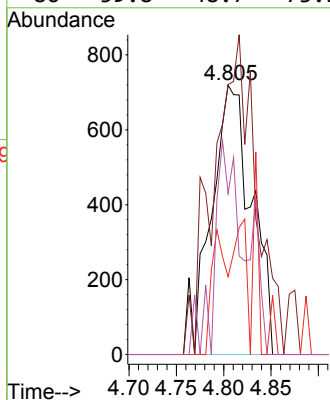
#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 2156

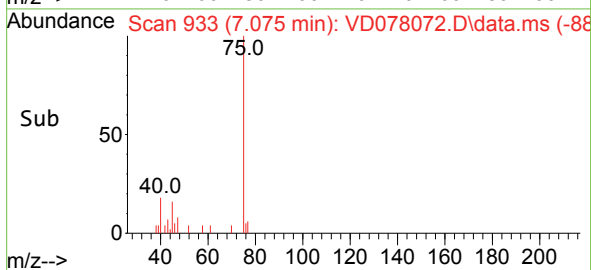
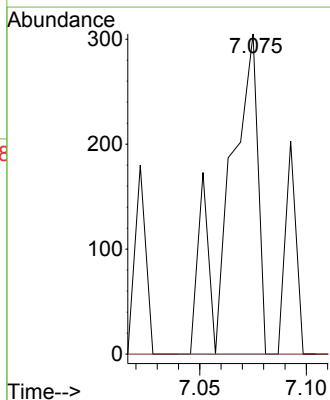
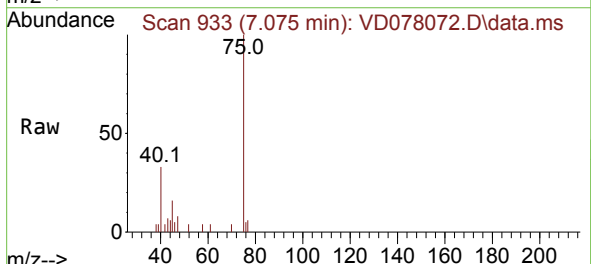
Ion	Ratio	Lower	Upper
84	100		
49	100.3	71.4	107.2
51	28.9	24.5	36.7
86	59.8	48.7	73.1

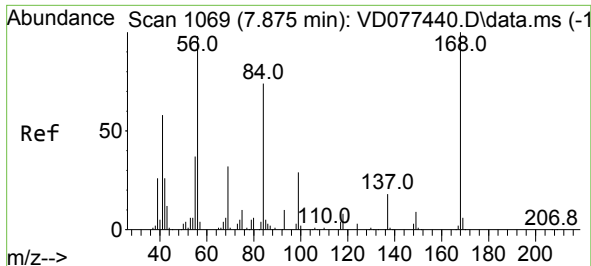


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion: 43 Resp: 306

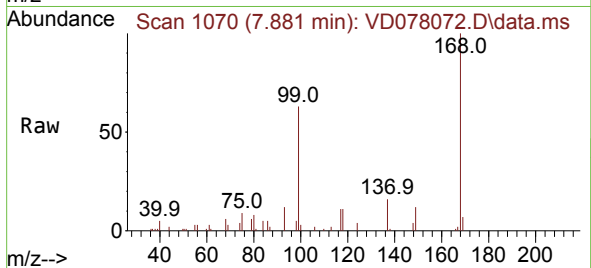
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



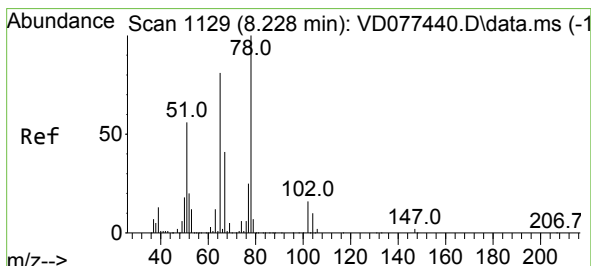
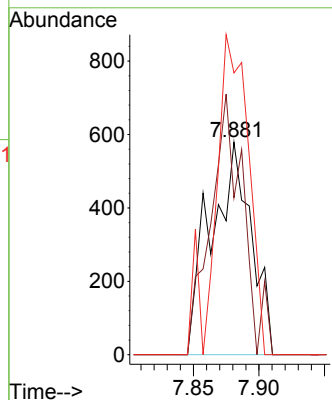
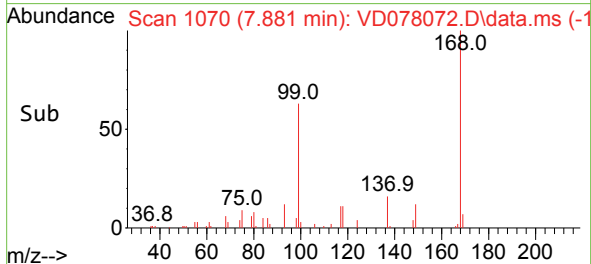


#31
Cyclohexane
Concen: 1.436 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Instrument :
MSVOA_D
ClientSampleId :

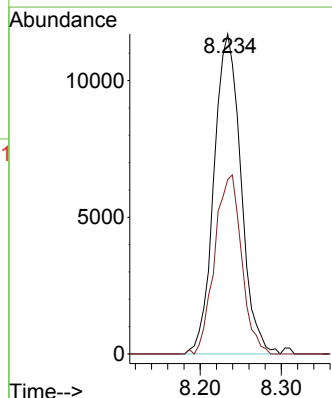
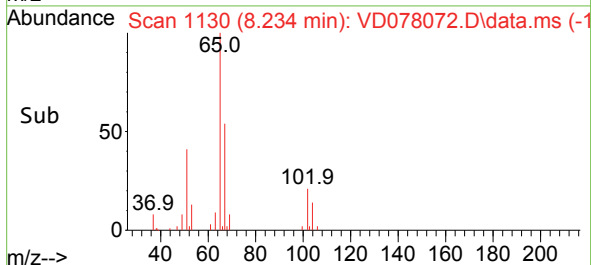
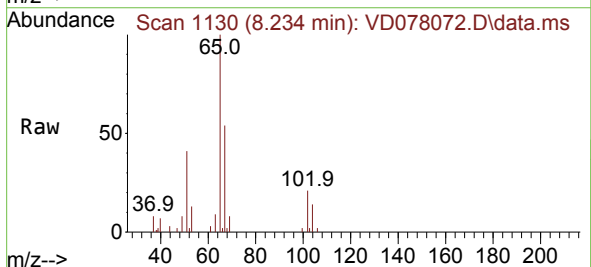


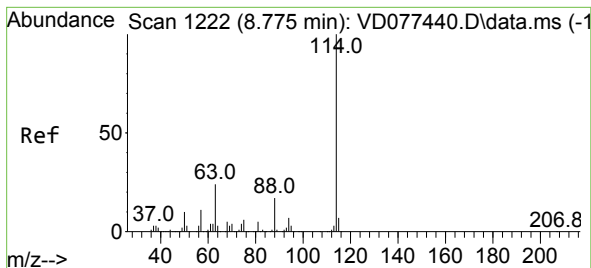
Tgt Ion: 56 Resp: 1241
Ion Ratio Lower Upper
56 100
69 73.9 28.6 43.0#
84 132.6 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 55.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion: 65 Resp: 26987
Ion Ratio Lower Upper
65 100
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 114

Delta R.T. 0.006 min

Lab File: VD078072.D

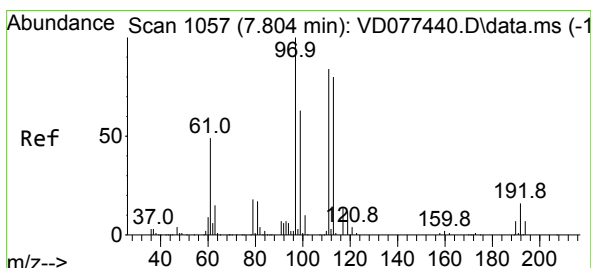
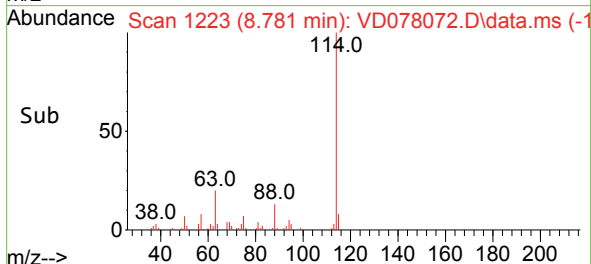
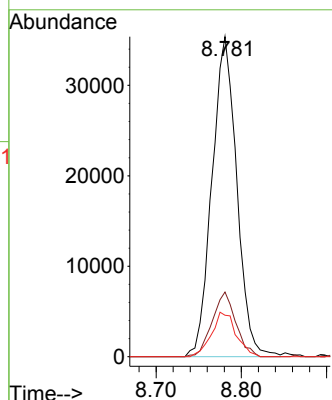
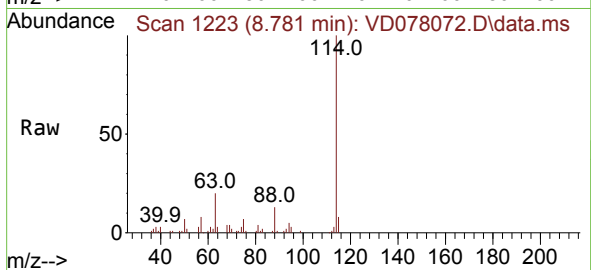
Acq: 22 Dec 2023 18:56

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	71447
Ion Ratio	Lower	Upper
114	100	
63	20.2	0.0 33.4
88	12.9	0.0 26.2



#35

Dibromofluoromethane

Concen: 50.024 ug/l

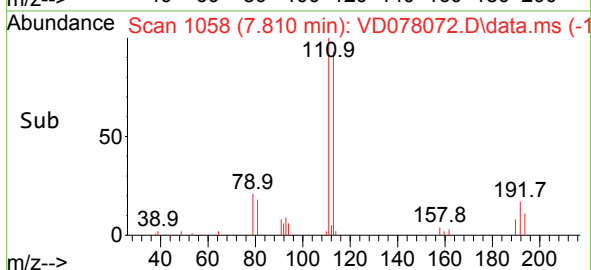
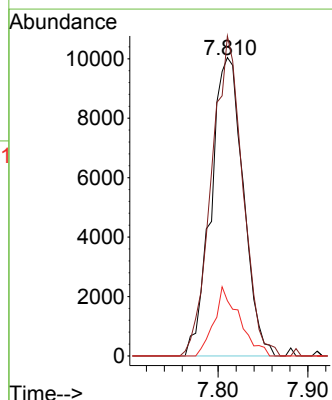
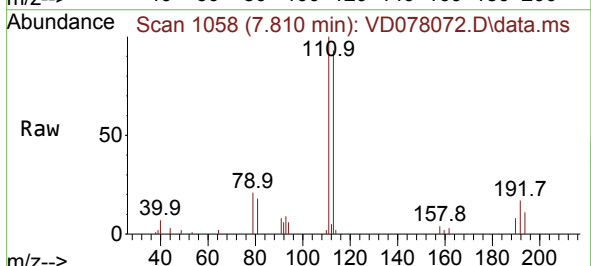
RT: 7.810 min Scan# 1058

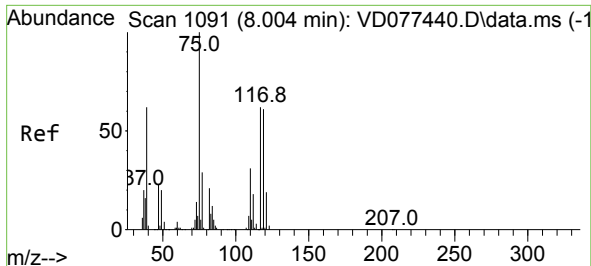
Delta R.T. 0.006 min

Lab File: VD078072.D

Acq: 22 Dec 2023 18:56

Tgt Ion:113	Resp:	25035
Ion Ratio	Lower	Upper
113	100	
111	103.6	84.7 127.1
192	18.3	16.8 25.2

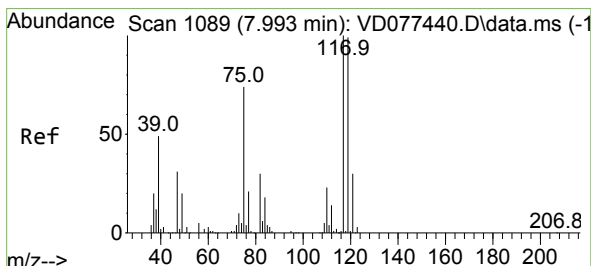
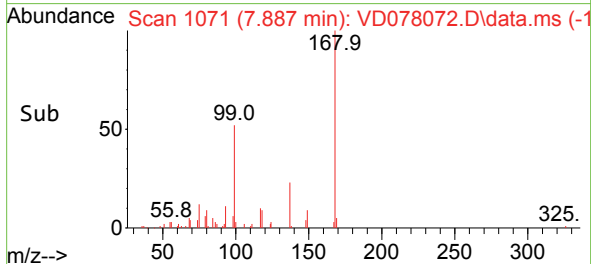
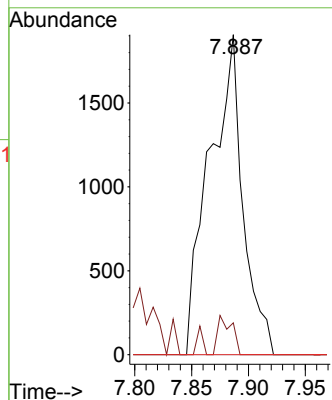
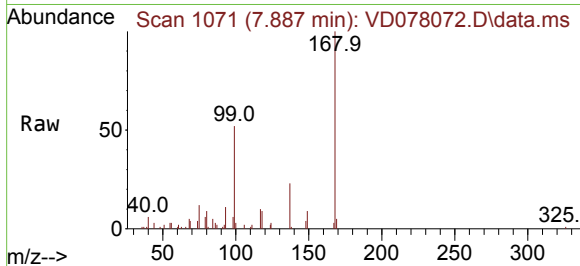




#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. -0.117 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

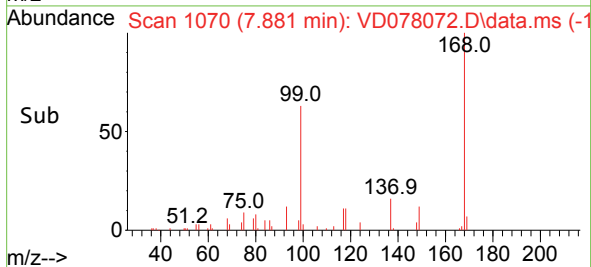
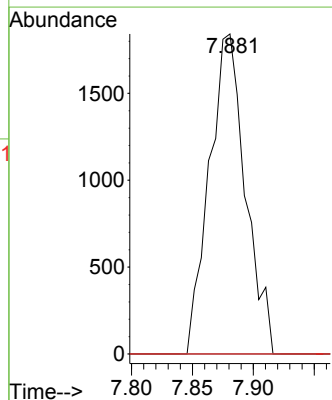
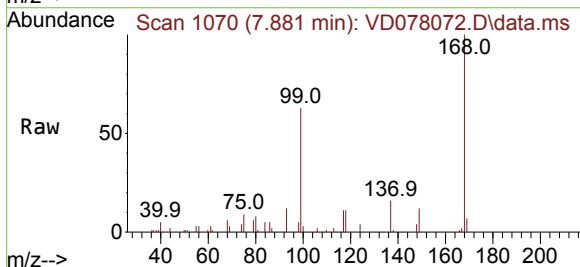
Instrument :
MSVOA_D
ClientSampleId :

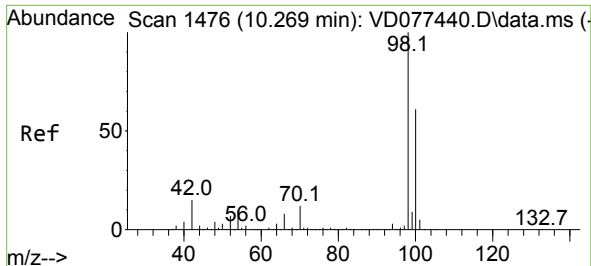
Tgt Ion: 75 Resp: 3895
Ion Ratio Lower Upper
75 100
110 5.2 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.773 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

Tgt Ion: 117 Resp: 3809
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

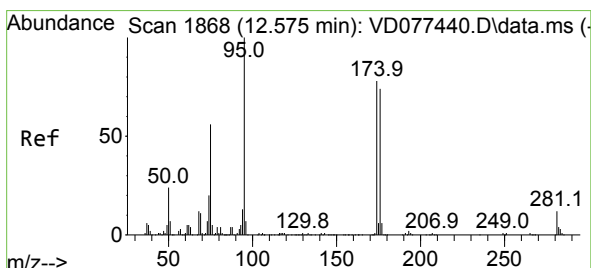
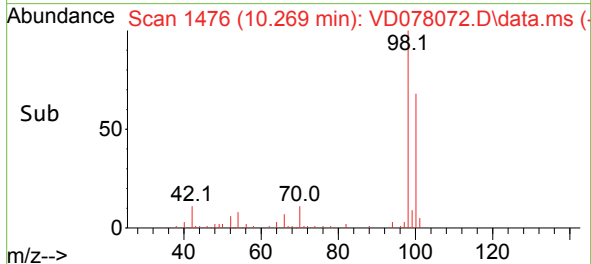
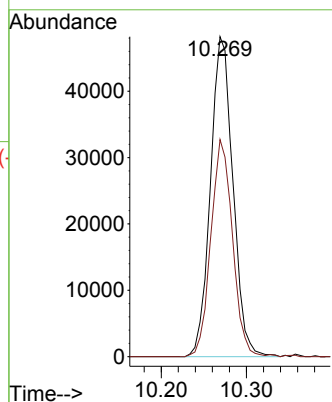
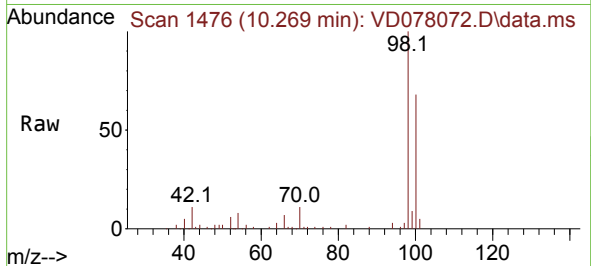




#50
Toluene-d8
Concen: 44.145 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

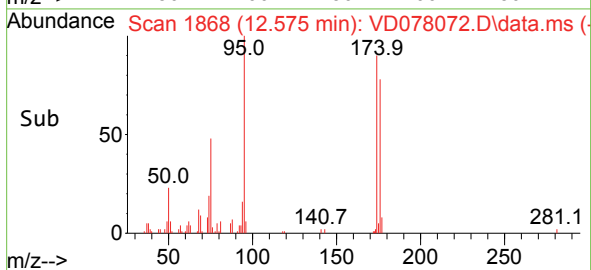
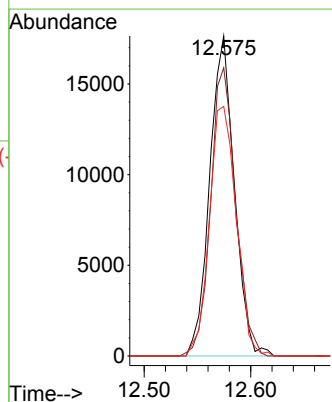
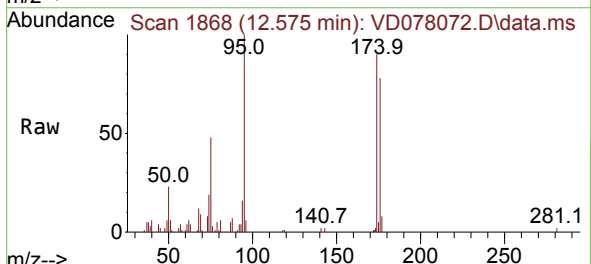
Instrument :
MSVOA_D
ClientSampleId :

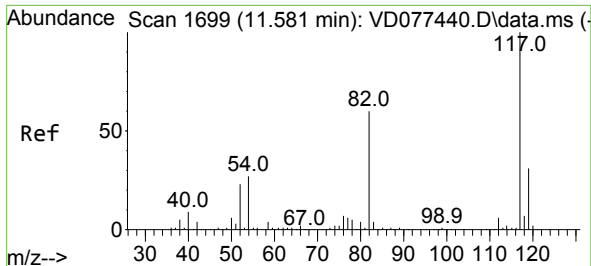
Tgt Ion: 98 Resp: 88485
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.406 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

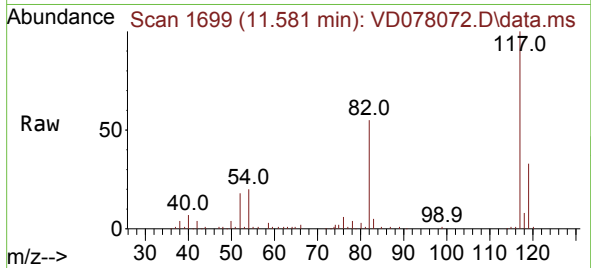
Tgt Ion: 95 Resp: 28409
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 85.3 0.0 191.8



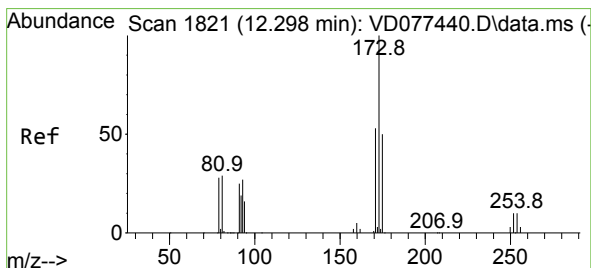
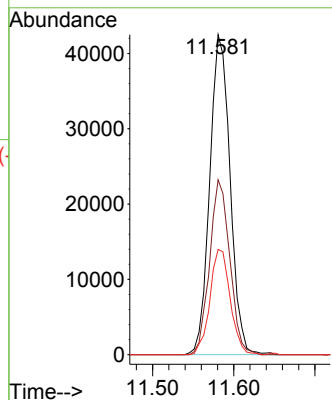
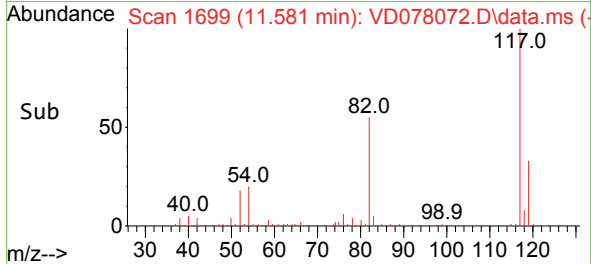


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

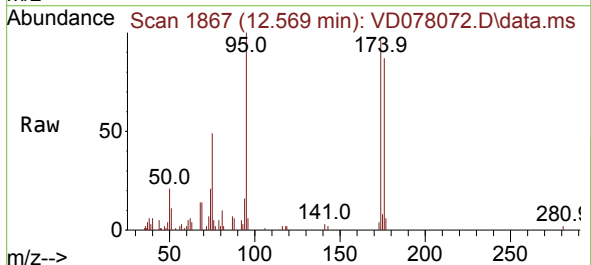
Instrument :
MSVOA_D
ClientSampleId :



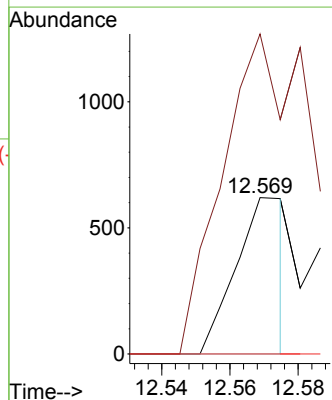
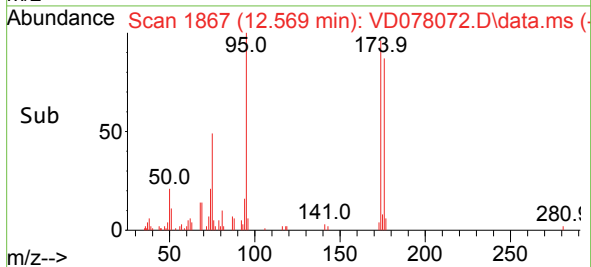
Tgt Ion:117 Resp: 73917
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 32.9 25.0 37.4

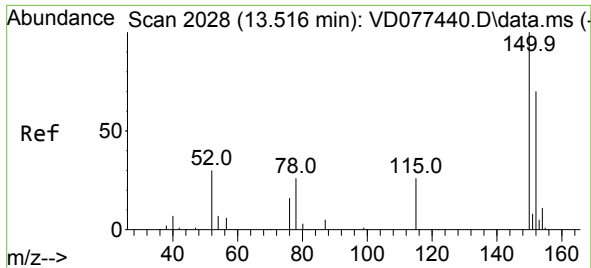


#71
Bromoform
Concen: 1.983 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56



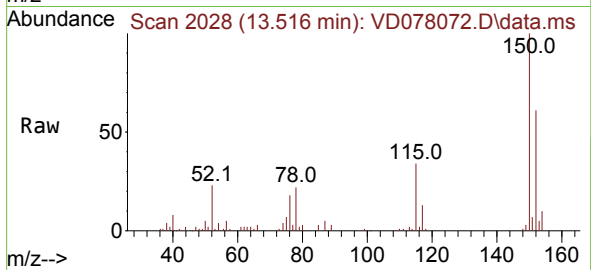
Tgt Ion:173 Resp: 637
Ion Ratio Lower Upper
173 100
175 239.6 24.6 73.8#
254 0.0 0.0 0.0



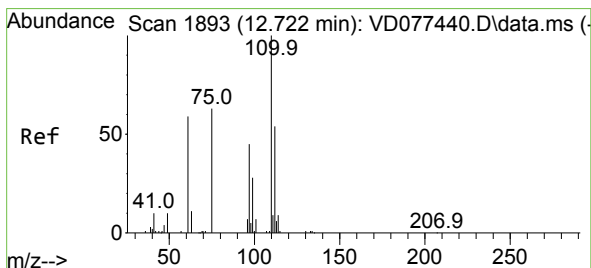
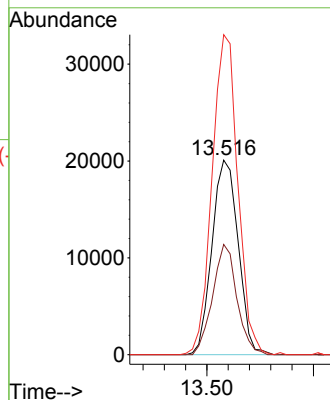
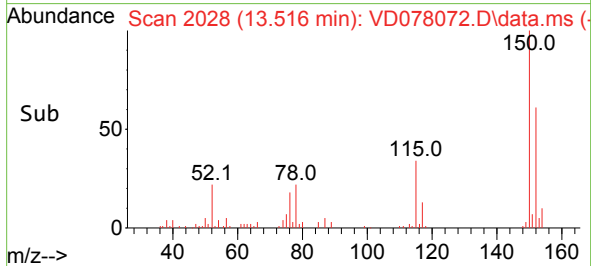


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078072.D
 Acq: 22 Dec 2023 18:56

Instrument :
 MSVOA_D
 ClientSampleId :

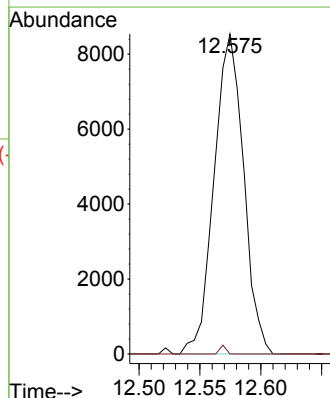
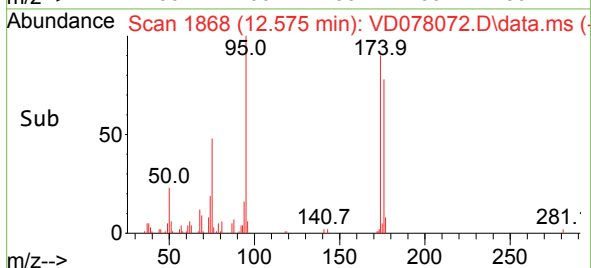
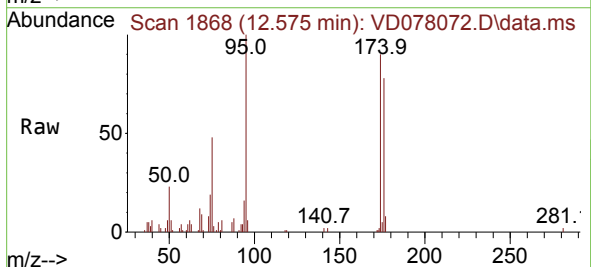


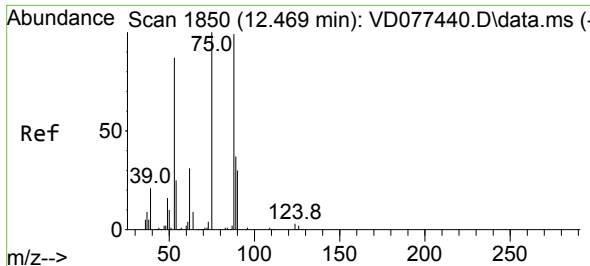
Tgt Ion:152 Resp: 34288
 Ion Ratio Lower Upper
 152 100
 115 52.5 27.1 81.3
 150 161.4 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 48.336 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078072.D
 Acq: 22 Dec 2023 18:56

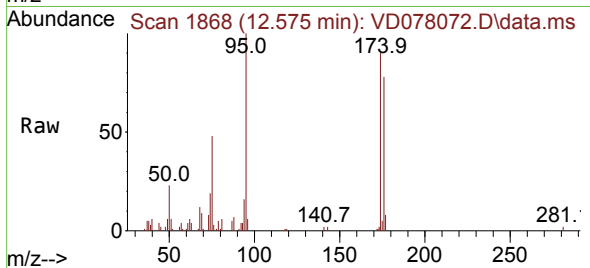
Tgt Ion: 75 Resp: 14394
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



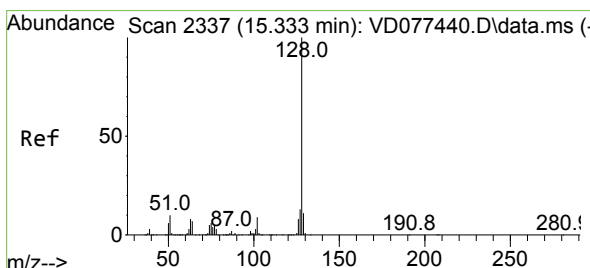
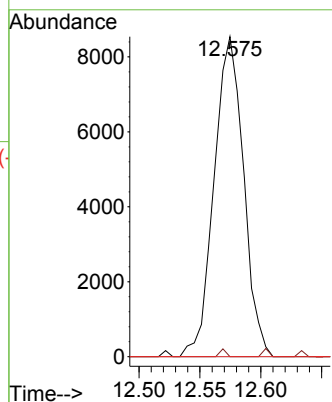
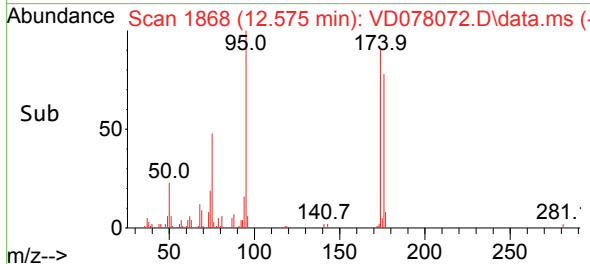


#81
trans-1,4-Dichloro-2-butene
Concen: 97.931 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56

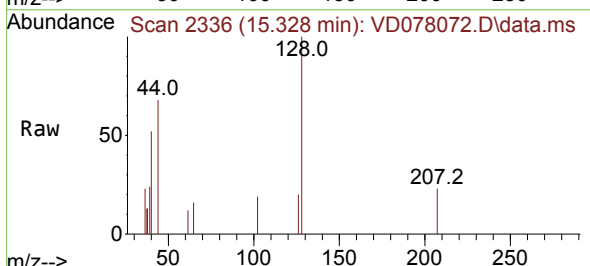
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 14394
Ion Ratio Lower Upper
75 100
53 0.5 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.867 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.005 min
Lab File: VD078072.D
Acq: 22 Dec 2023 18:56



Tgt Ion: 128 Resp: 2253
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

