

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052224\
 Data File : VD078982.D
 Acq On : 22 May 2024 16:27
 Operator : RP/MD
 Sample : P2512-07
 Misc : 5.42G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 23 06:05:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

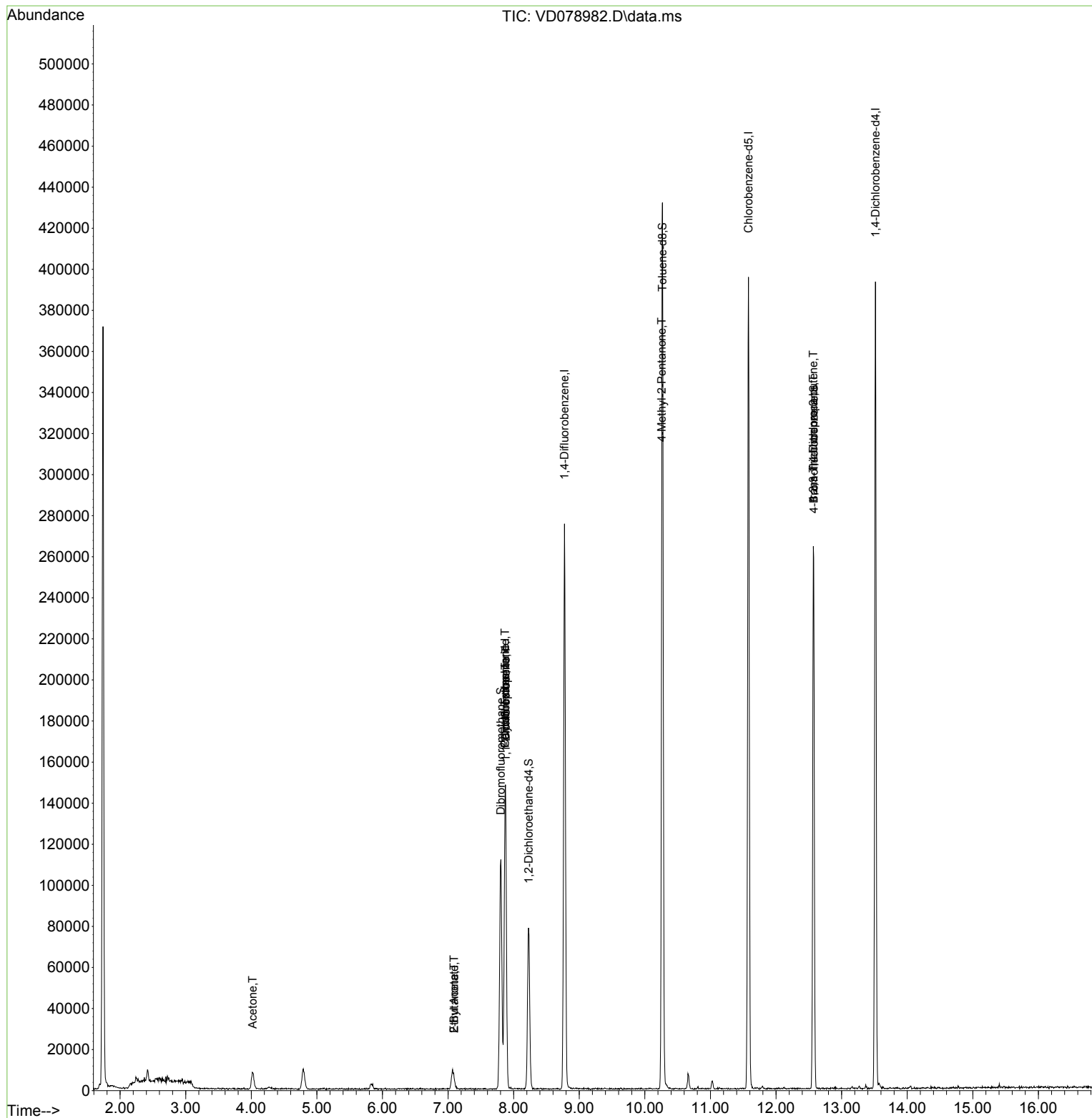
Internal Standards						
1) Pentafluorobenzene	7.869	168	121706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	250939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	106317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62684	54.909	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.820%	
35) Dibromofluoromethane	7.805	113	81050	48.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.040%	
50) Toluene-d8	10.269	98	311722	49.779	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.560%	
62) 4-Bromofluorobenzene	12.575	95	80583	45.807	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.620%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	211	Below Cal	#	40
4) Vinyl Chloride	2.487	62	56	Below Cal	#	42
16) Acetone	4.022	43	14032	77.089	ug/l #	86
17) Carbon Disulfide	4.269	76	1467	Below Cal	#	76
20) Methylene Chloride	4.787	84	8065	Below Cal		94
25) 2-Butanone	7.093	43	3661	15.038	ug/l	93
31) Cyclohexane	7.875	56	2674	1.603	ug/l #	64
36) 1,1-Dichloropropene	7.881	75	9043	4.350	ug/l #	47
37) Ethyl Acetate	7.093	43	3661	5.168	ug/l #	66
38) Carbon Tetrachloride	7.869	117	11567	4.755	ug/l #	17
51) 4-Methyl-2-Pentanone	10.257	43	1003	1.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	40996	54.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	40996	108.615	ug/l #	19

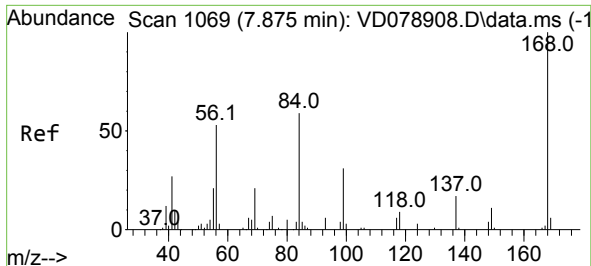
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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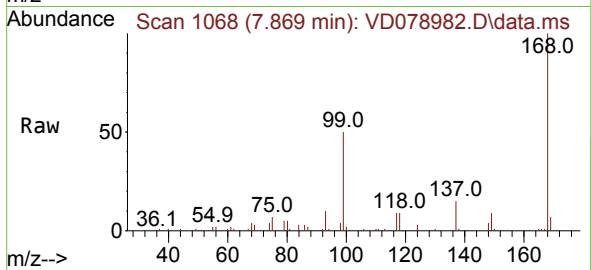
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
Quant Title : SW846 8260
QLast Update : Tue May 14 06:21:28 2024
Response via : Initial Calibration



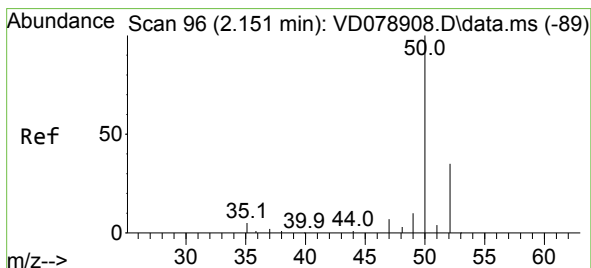
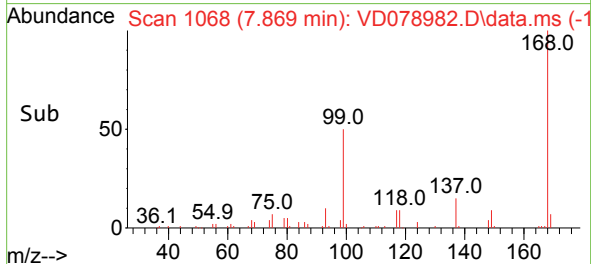
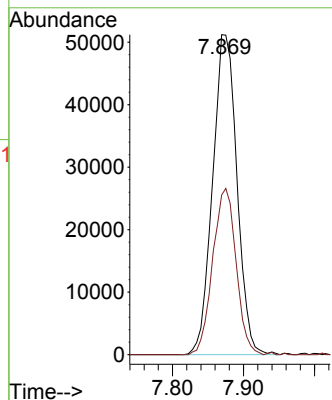


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

Instrument :
MSVOA_D
ClientSampleId :

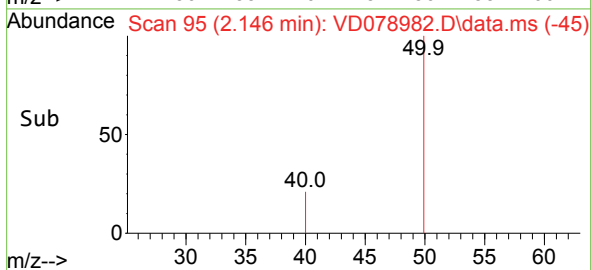
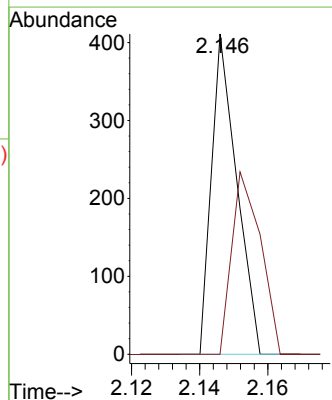
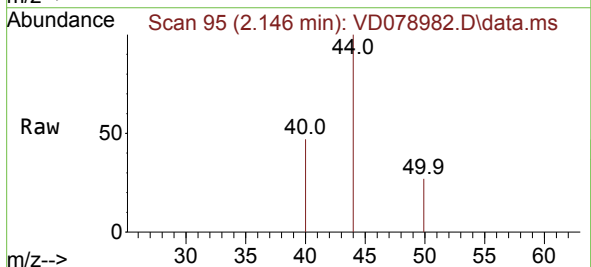


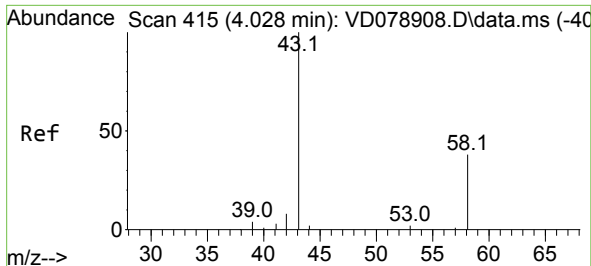
Tgt Ion:168 Resp: 121706
Ion Ratio Lower Upper
168 100
99 49.9 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.005 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

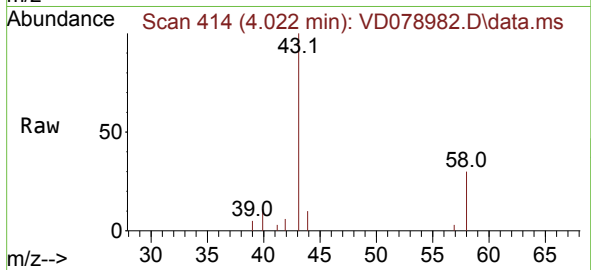
Tgt Ion: 50 Resp: 211
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#



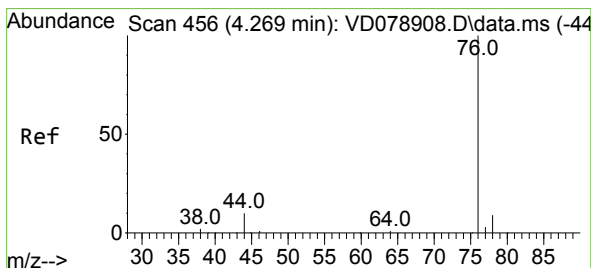
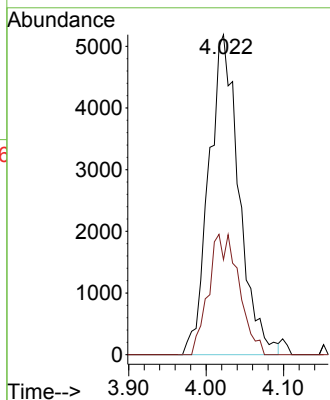
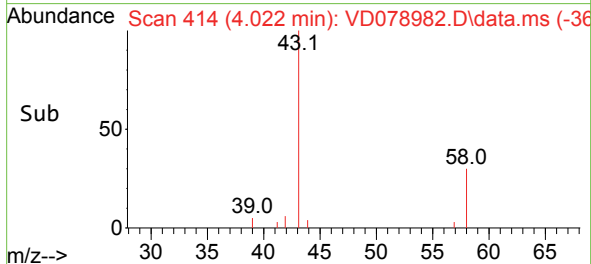


#16
Acetone
Concen: 77.089 ug/l
RT: 4.022 min Scan# 415
Delta R.T. -0.005 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

Instrument :
MSVOA_D
ClientSampleId :

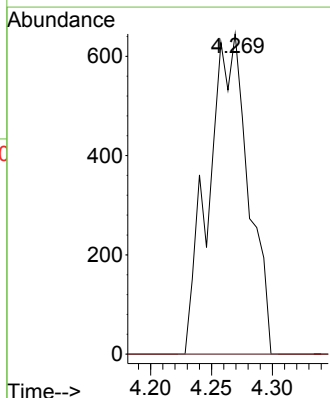
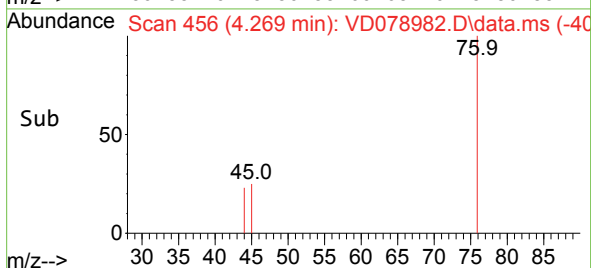
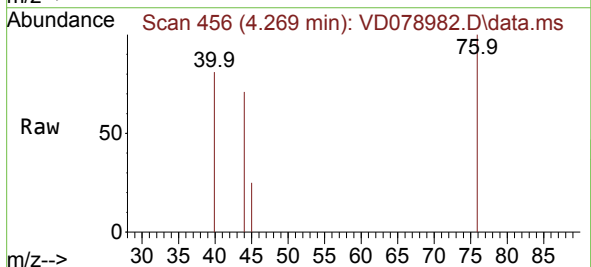


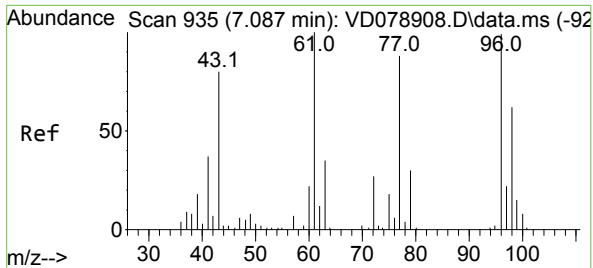
Tgt Ion: 43 Resp: 14032
Ion Ratio Lower Upper
43 100
58 29.7 30.4 45.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

Tgt Ion: 76 Resp: 1467
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

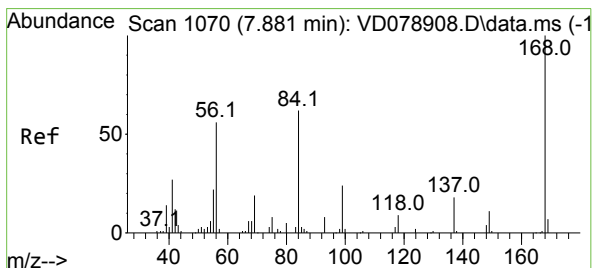
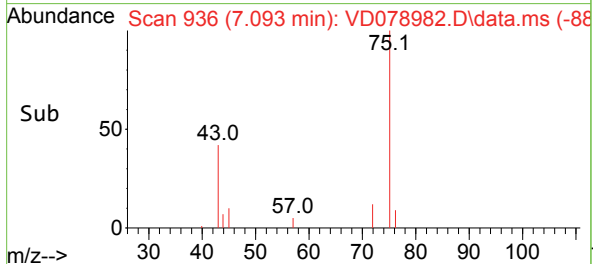
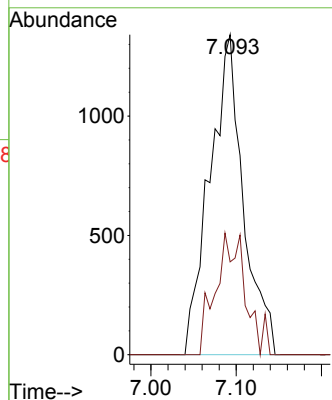
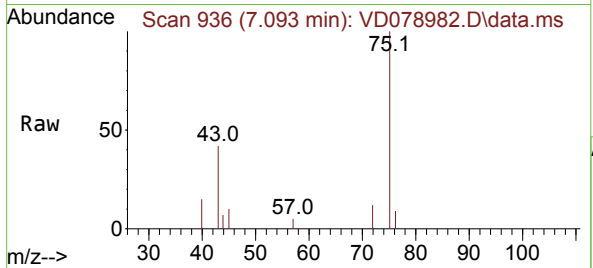




#25
2-Butanone
Concen: 15.038 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

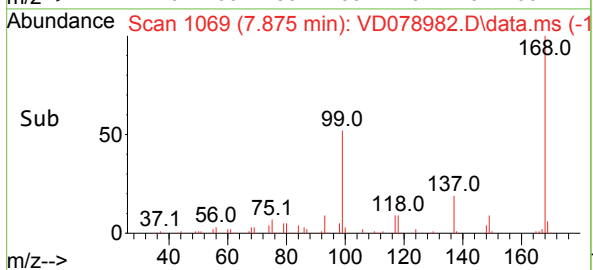
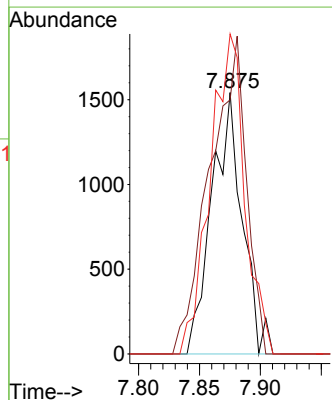
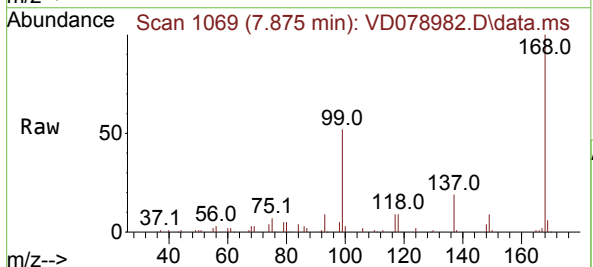
Instrument :
MSVOA_D
ClientSampleId :

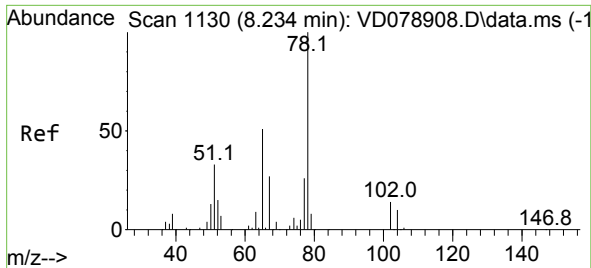
Tgt Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
72 29.0 26.4 39.6



#31
Cyclohexane
Concen: 1.603 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

Tgt Ion: 56 Resp: 2674
Ion Ratio Lower Upper
56 100
69 97.2 28.0 42.0#
84 122.4 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 54.909 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078982.D

Acq: 22 May 2024 16:27

Instrument :

MSVOA_D

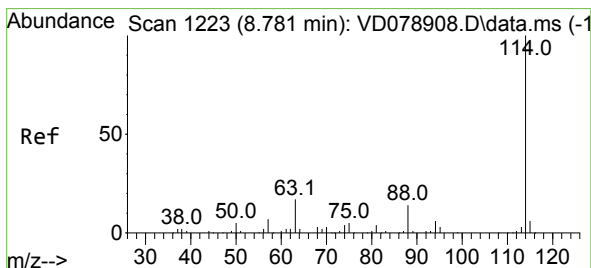
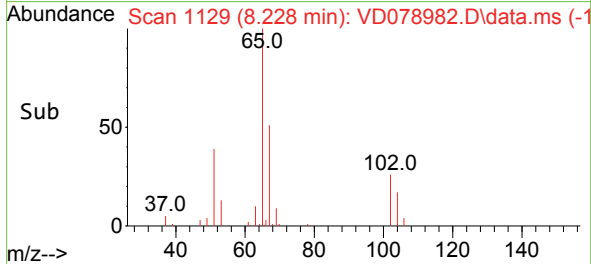
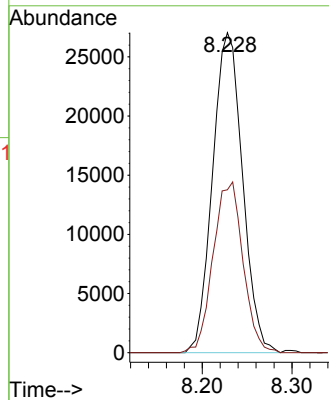
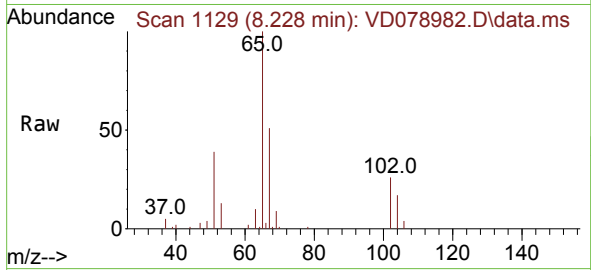
ClientSampleId :

Tgt Ion: 65 Resp: 62684

Ion Ratio Lower Upper

65 100

67 53.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078982.D

Acq: 22 May 2024 16:27

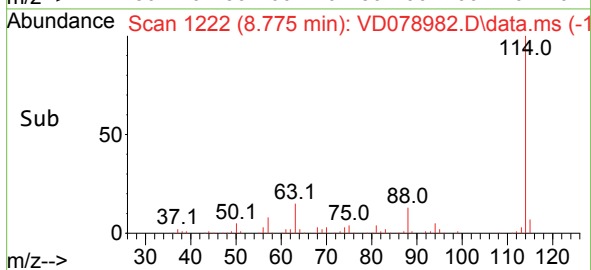
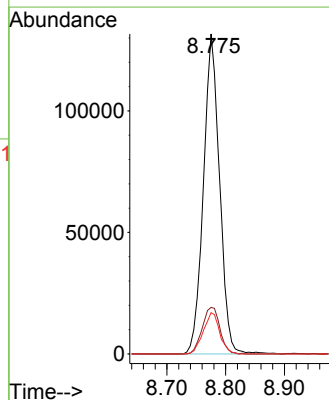
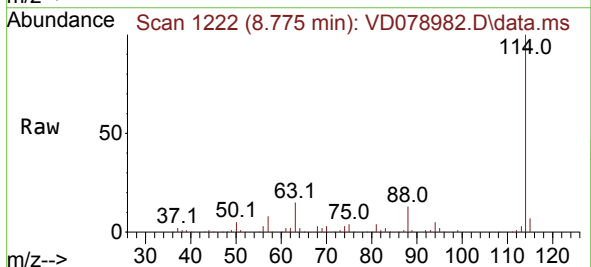
Tgt Ion: 114 Resp: 250939

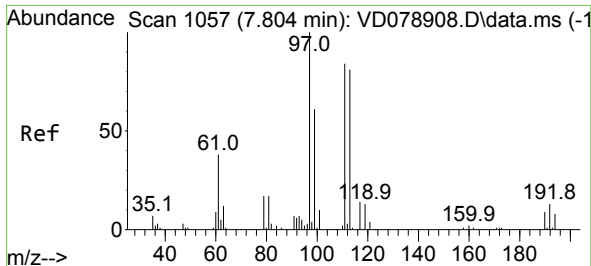
Ion Ratio Lower Upper

114 100

63 14.6 0.0 34.0

88 12.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.521 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. 0.000 min

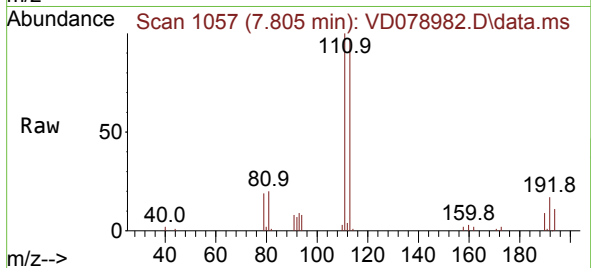
Lab File: VD078982.D

Acq: 22 May 2024 16:27

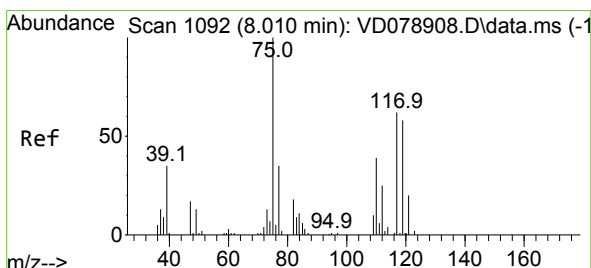
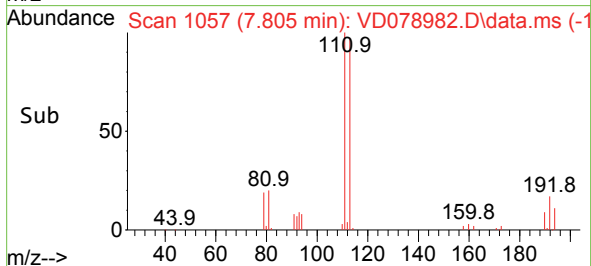
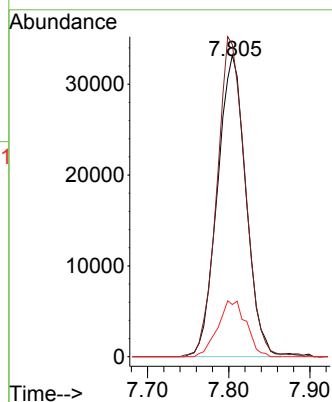
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	81050
Ion	Ratio	Lower	Upper
113	100		
111	104.8	84.0	126.0
192	18.5	15.4	23.0



#36

1,1-Dichloropropene

Concen: 4.350 ug/l

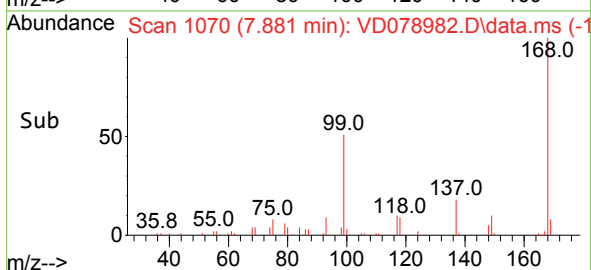
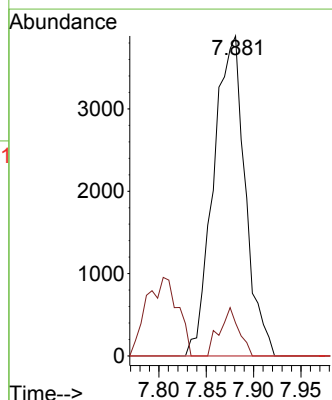
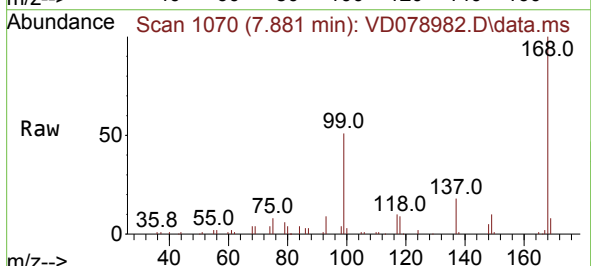
RT: 7.881 min Scan# 1070

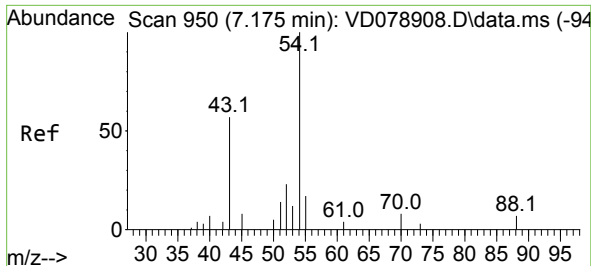
Delta R.T. -0.129 min

Lab File: VD078982.D

Acq: 22 May 2024 16:27

Tgt Ion:	75	Resp:	9043
Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.6	58.7#
77	0.0	26.1	39.1#





#37

Ethyl Acetate

Concen: 5.168 ug/l

RT: 7.093 min Scan# 91

Delta R.T. -0.082 min

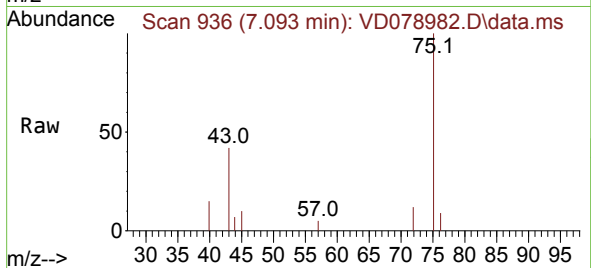
Lab File: VD078982.D

Acq: 22 May 2024 16:27

Instrument :

MSVOA_D

ClientSampleId :



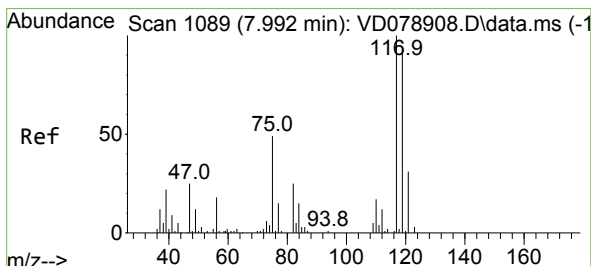
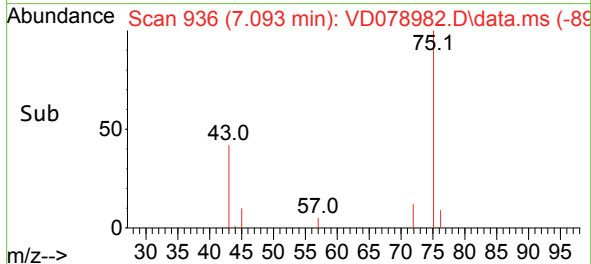
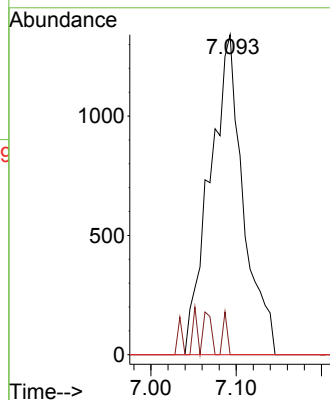
Tgt Ion: 43 Resp: 3661

Ion Ratio Lower Upper

43 100

61 1.7 13.9 20.9#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 4.755 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VD078982.D

Acq: 22 May 2024 16:27

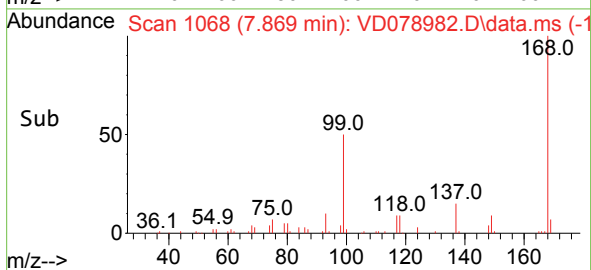
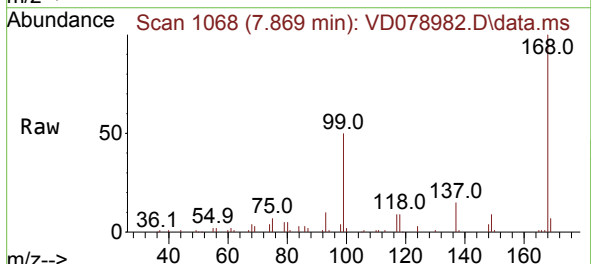
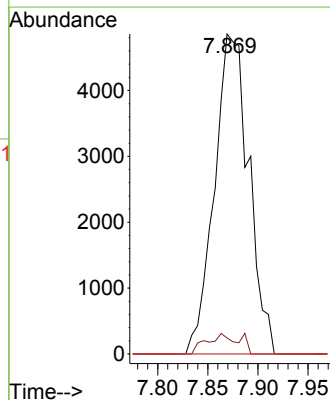
Tgt Ion: 117 Resp: 11567

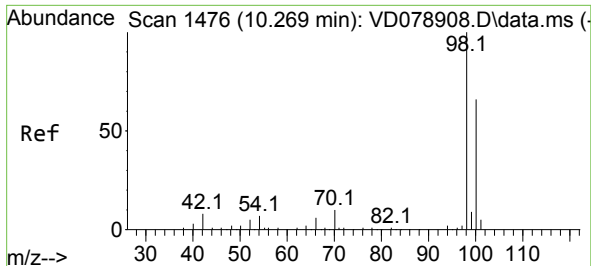
Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

121 0.0 25.0 37.4#

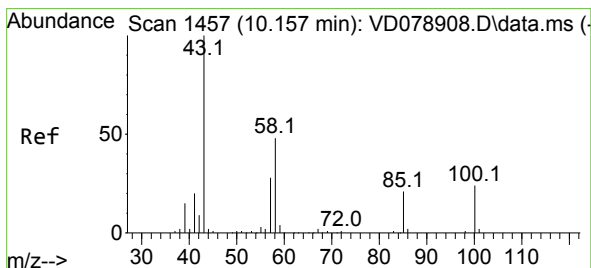
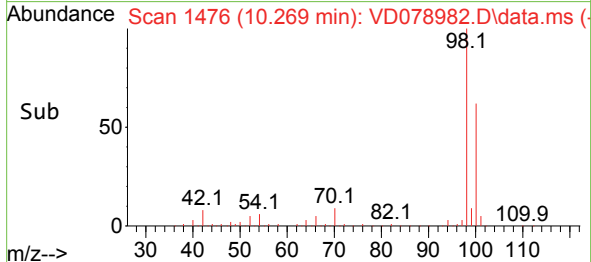
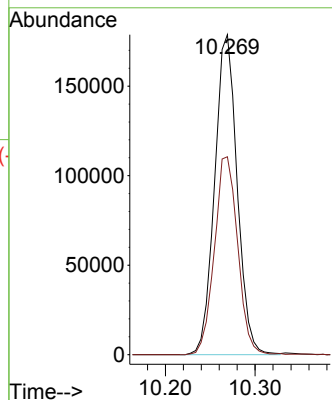
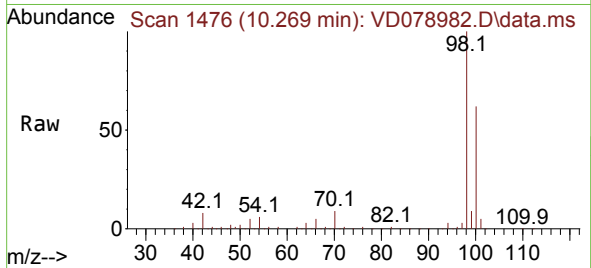




#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

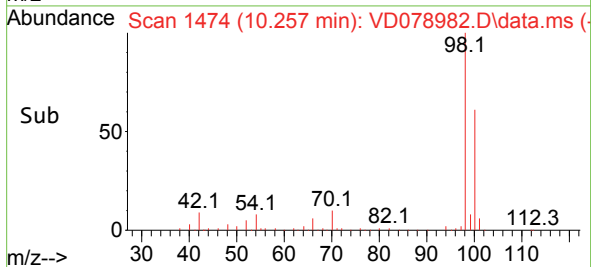
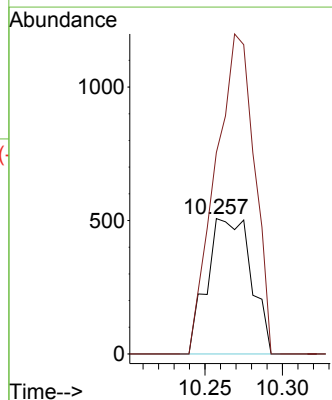
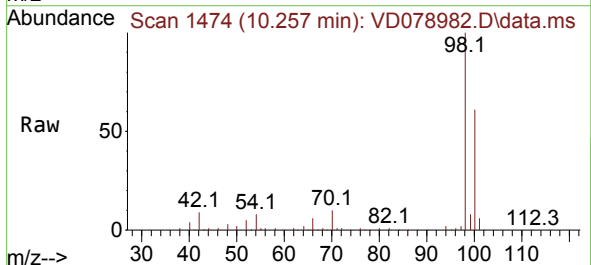
Instrument :
MSVOA_D
ClientSampleId :

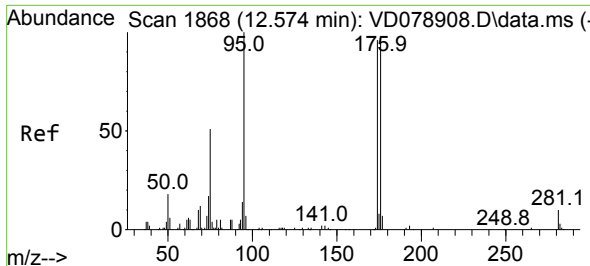
Tgt Ion: 98 Resp: 311722
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.498 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. 0.100 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

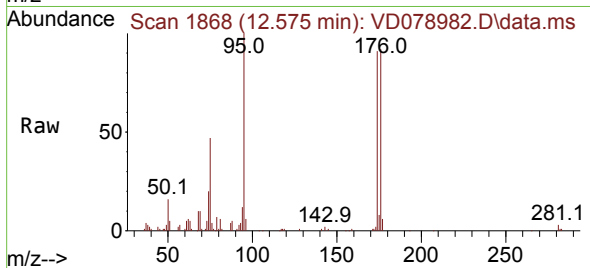
Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
58 209.1 36.6 55.0#



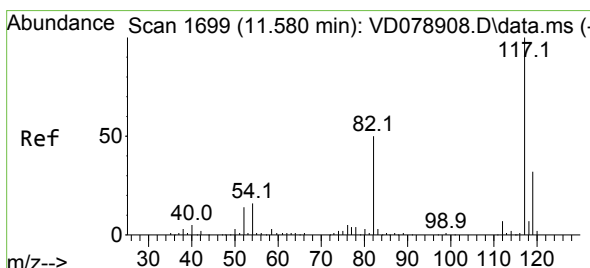
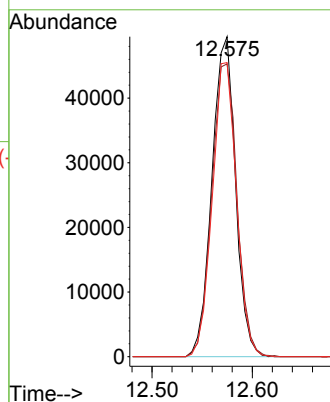
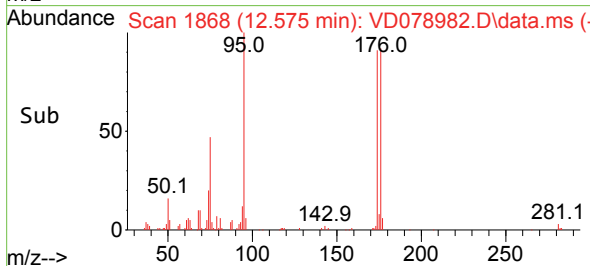


#62
4-Bromofluorobenzene
Concen: 45.807 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27

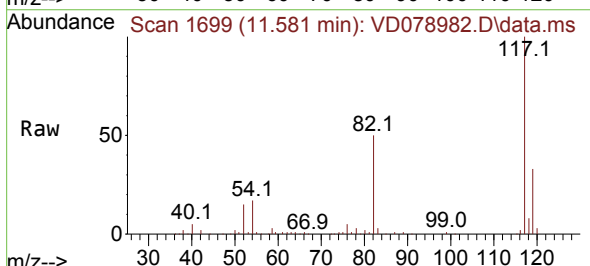
Instrument :
MSVOA_D
ClientSampleId :



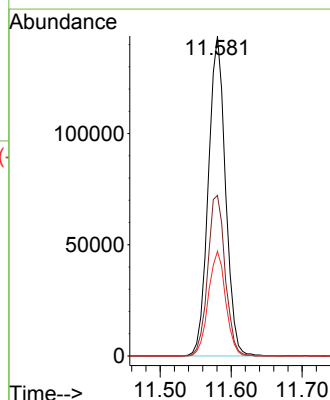
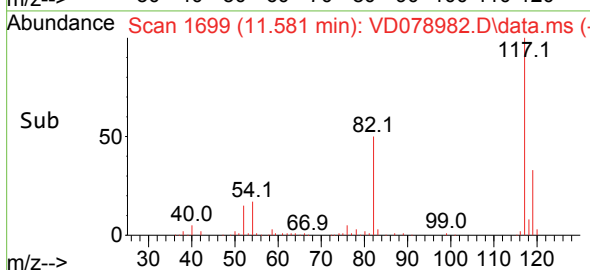
Tgt Ion: 95 Resp: 80583
Ion Ratio Lower Upper
95 100
174 98.0 0.0 195.4
176 94.1 0.0 192.6

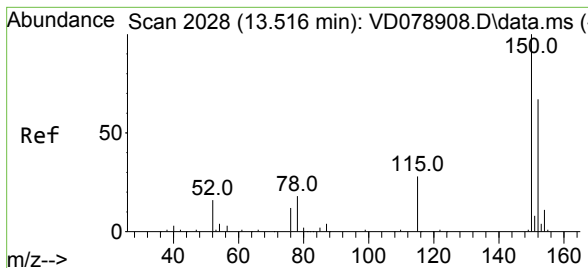


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078982.D
Acq: 22 May 2024 16:27



Tgt Ion: 117 Resp: 241308
Ion Ratio Lower Upper
117 100
82 50.1 39.8 59.6
119 32.7 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: VD078982.D

Acq: 22 May 2024 16:27

Instrument :

MSVOA_D

ClientSampleId :

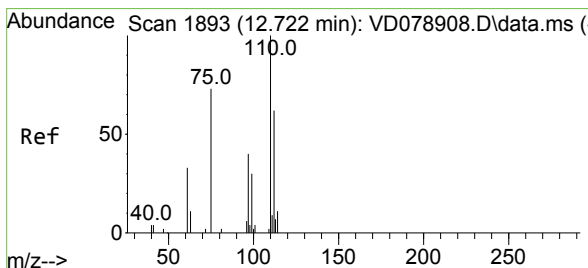
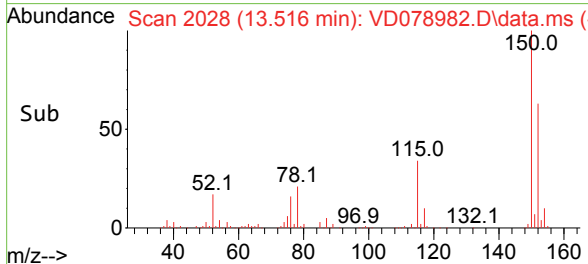
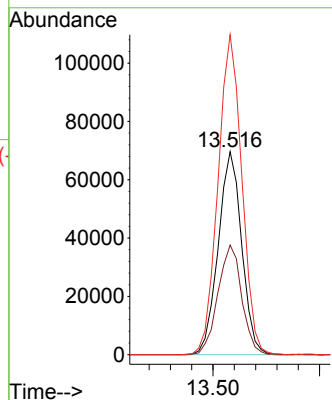
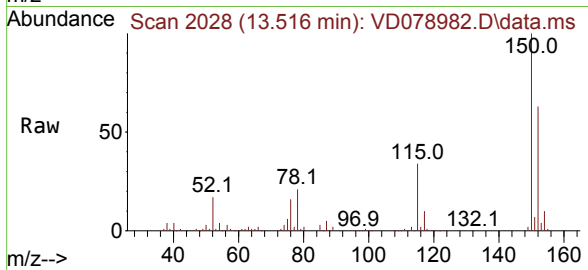
Tgt Ion:152 Resp: 106317

Ion Ratio Lower Upper

152 100

115 54.8 26.5 79.5

150 159.9 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 54.773 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD078982.D

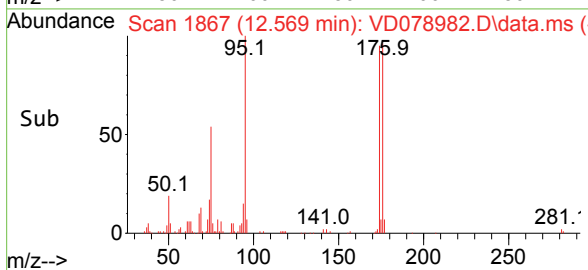
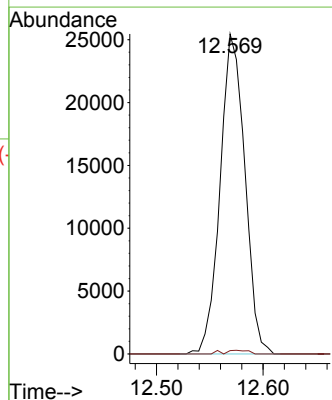
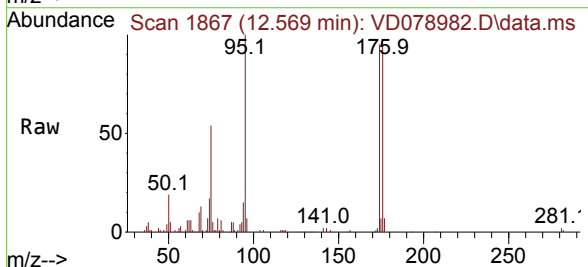
Acq: 22 May 2024 16:27

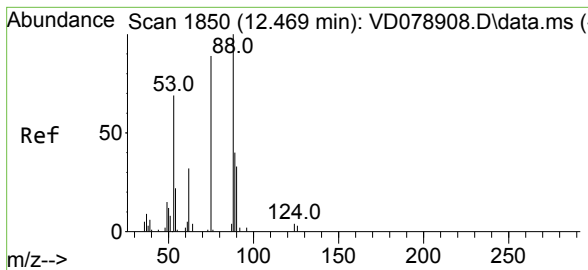
Tgt Ion: 75 Resp: 40996

Ion Ratio Lower Upper

75 100

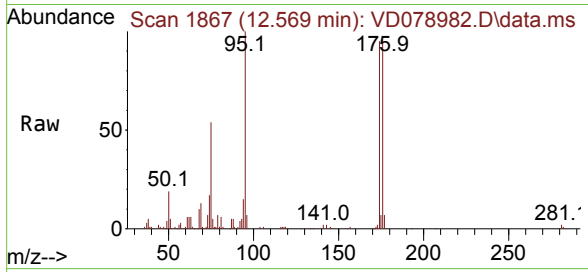
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.615 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.100 min
 Lab File: VD078982.D
 Acq: 22 May 2024 16:27

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	40996
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.2	35.4	53.0#

