

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052224\
 Data File : VD078989.D
 Acq On : 22 May 2024 19:44
 Operator : RP/MD
 Sample : P2531-03
 Misc : 5.18G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 23 06:08:10 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)

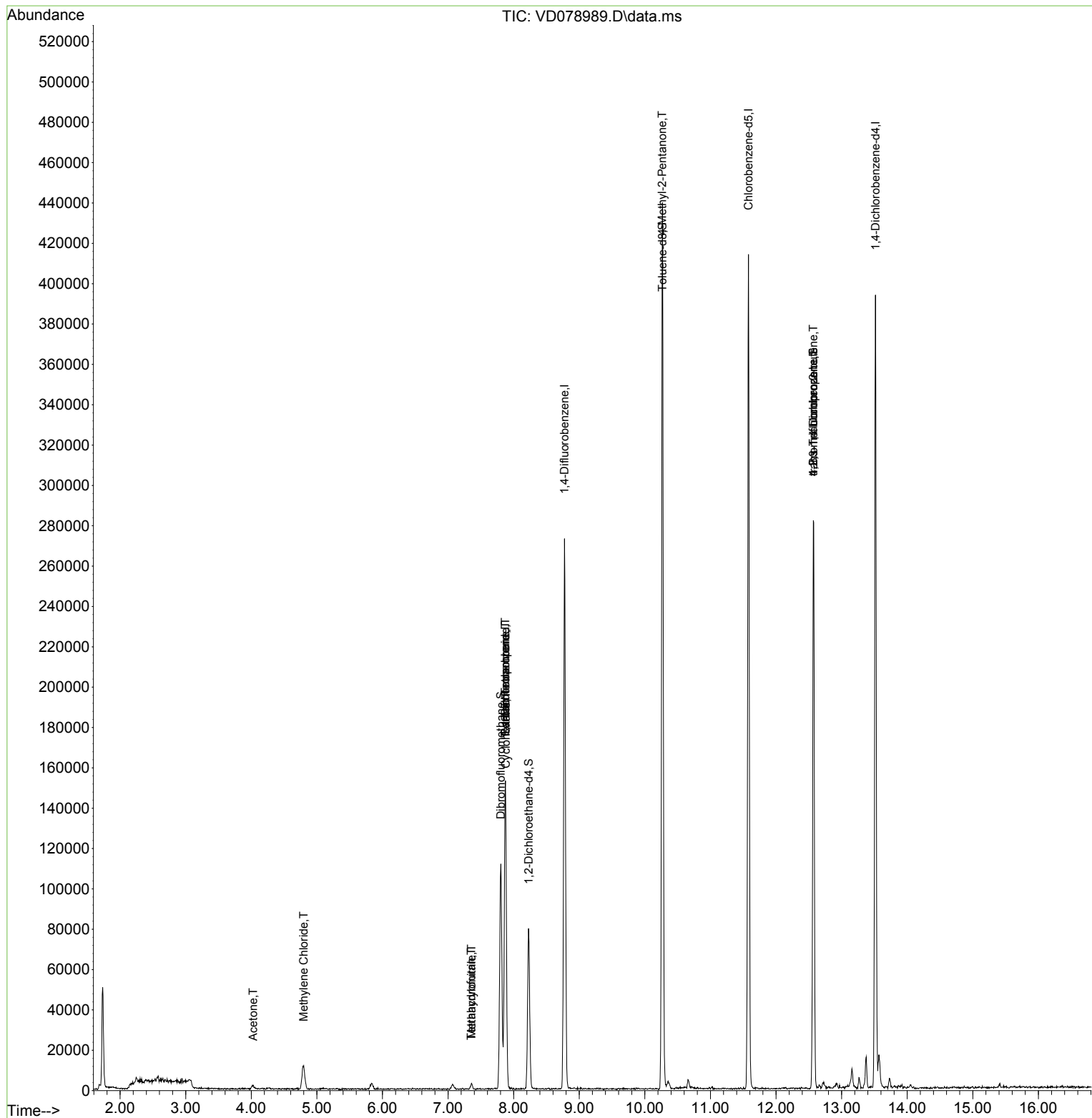
Internal Standards						
1) Pentafluorobenzene	7.875	168	121695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	249079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61556	53.926	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.860%	
35) Dibromofluoromethane	7.804	113	81574	49.189	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.380%	
50) Toluene-d8	10.269	98	309789	49.829	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.569	95	87294	49.982	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	275	Below Cal	#	40
4) Vinyl Chloride	2.487	62	71	Below Cal	#	42
16) Acetone	4.028	43	2902	15.944	ug/l #	85
17) Carbon Disulfide	4.269	76	1179	Below Cal	#	76
20) Methylene Chloride	4.799	84	10214	1.372	ug/l	96
29) Tetrahydrofuran	7.351	42	270	1.918	ug/l #	21
31) Cyclohexane	7.881	56	2607	1.563	ug/l #	53
36) 1,1-Dichloropropene	7.875	75	9601	4.652	ug/l #	45
38) Carbon Tetrachloride	7.875	117	11772	4.874	ug/l #	17
41) Methacrylonitrile	7.357	41	1343	3.549	ug/l #	26
51) 4-Methyl-2-Pentanone	10.263	43	997	1.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	42341	54.362	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	42341	107.801	ug/l #	19

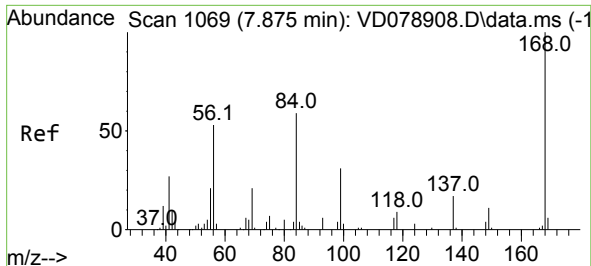
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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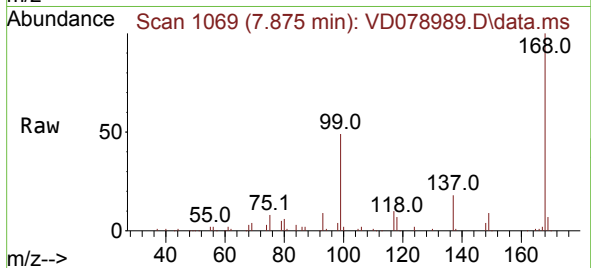
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
Quant Title : SW846 8260
QLast Update : Tue May 14 06:21:28 2024
Response via : Initial Calibration



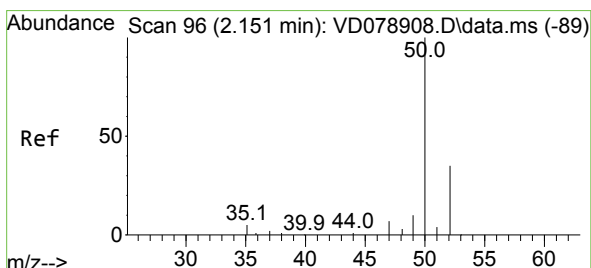
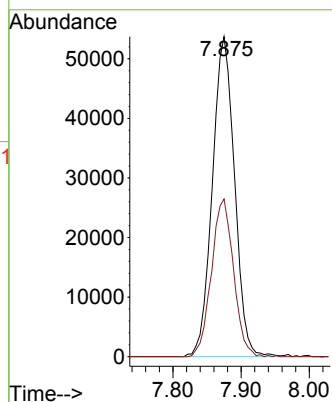
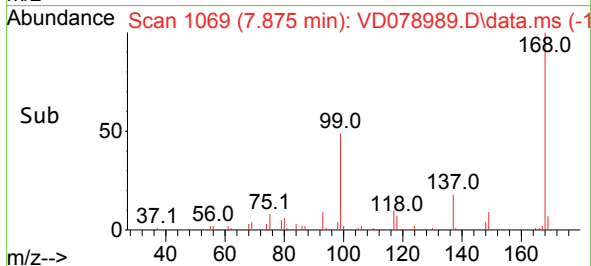


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

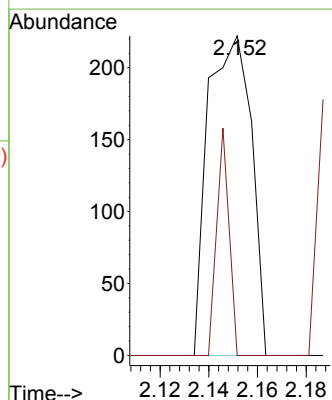
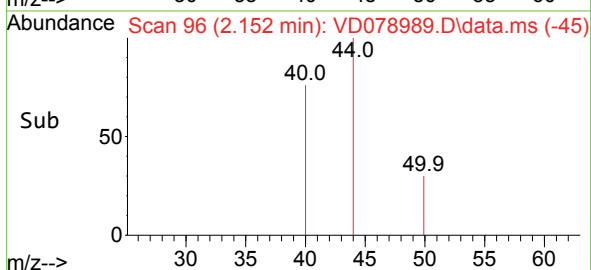
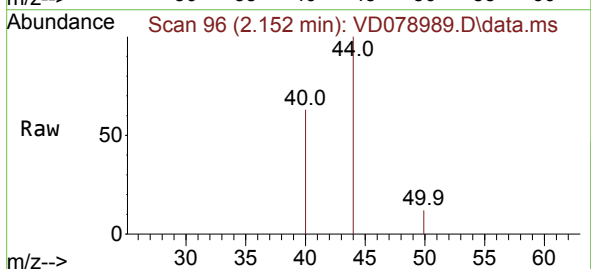


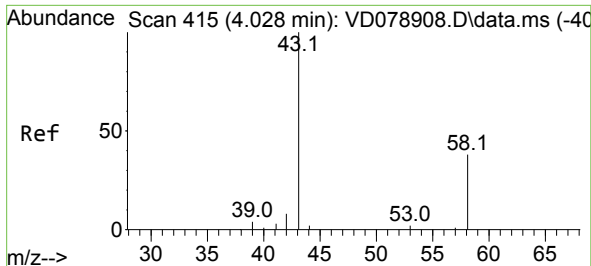
Tgt Ion:168 Resp: 121695
Ion Ratio Lower Upper
168 100
99 49.3 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.001 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Tgt Ion: 50 Resp: 275
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#





#16

Acetone

Concen: 15.944 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD078989.D

Acq: 22 May 2024 19:44

Instrument :

MSVOA_D

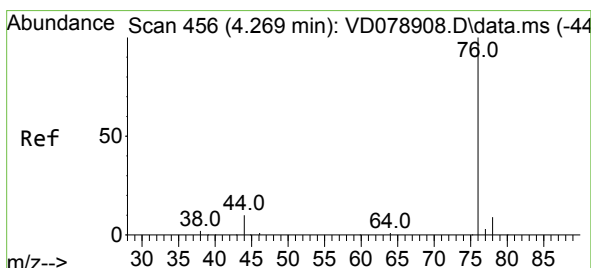
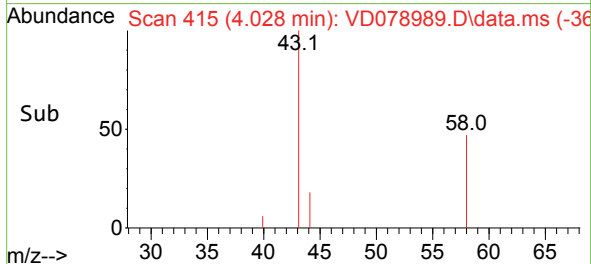
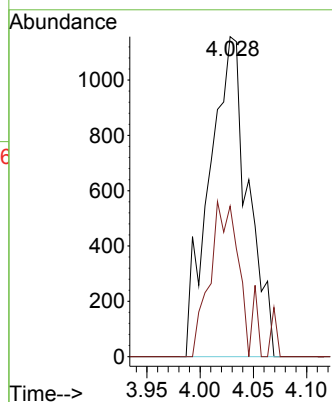
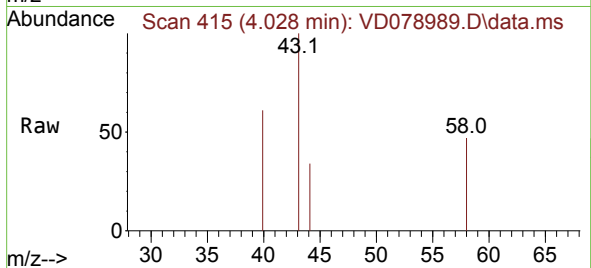
ClientSampleId :

Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

43 100

58 47.0 30.4 45.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD078989.D

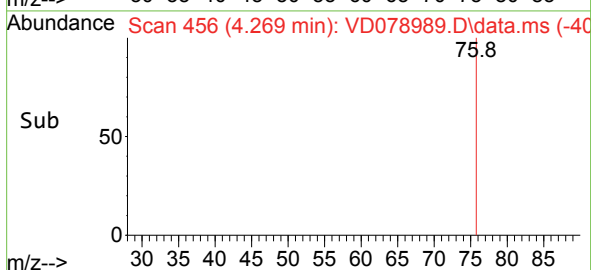
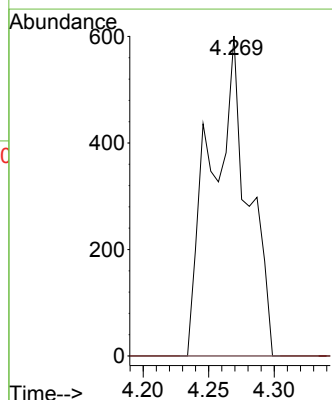
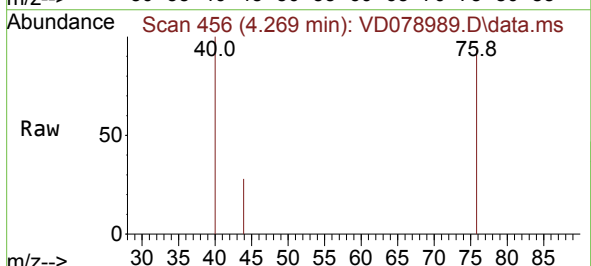
Acq: 22 May 2024 19:44

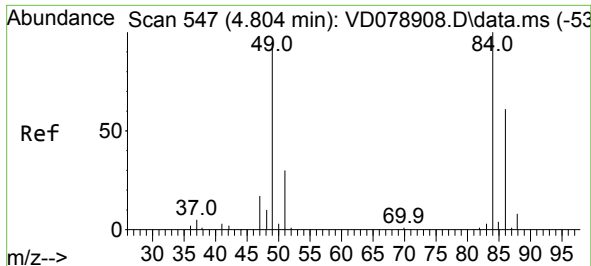
Tgt Ion: 76 Resp: 1179

Ion Ratio Lower Upper

76 100

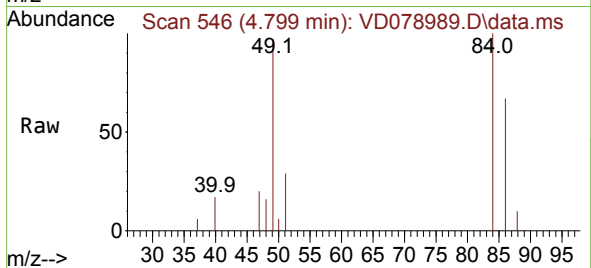
78 0.0 6.9 10.3#



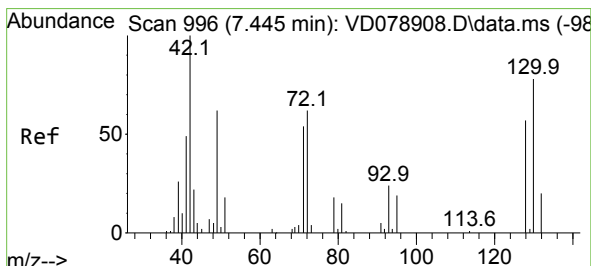
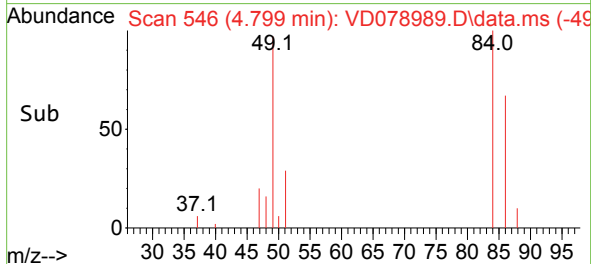
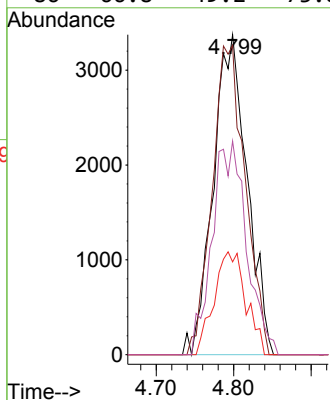


#20
Methylene Chloride
Concen: 1.372 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

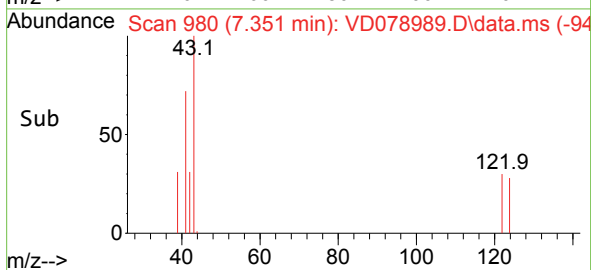
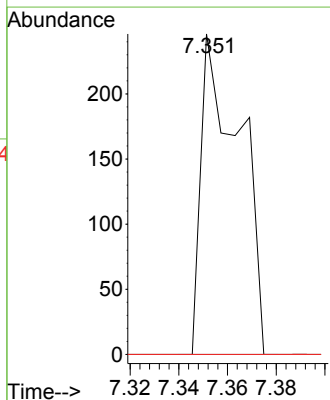
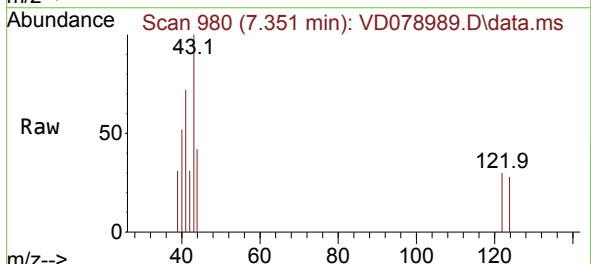


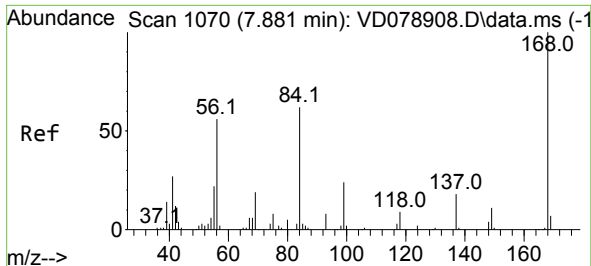
Tgt Ion: 84	Resp: 10214
Ion Ratio	Lower Upper
84 100	
49 96.7	75.6 113.4
51 29.0	24.2 36.2
86 66.8	49.2 73.8



#29
Tetrahydrofuran
Concen: 1.918 ug/l
RT: 7.351 min Scan# 980
Delta R.T. -0.094 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

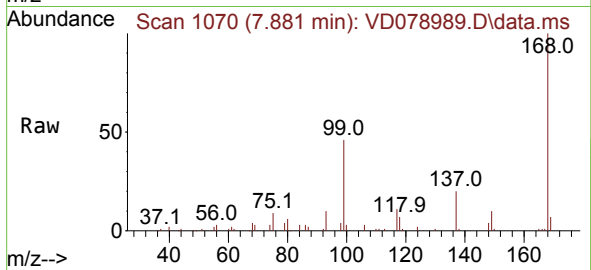
Tgt Ion: 42	Resp: 270
Ion Ratio	Lower Upper
42 100	
72 0.0	49.4 74.0#
71 0.0	45.0 67.6#



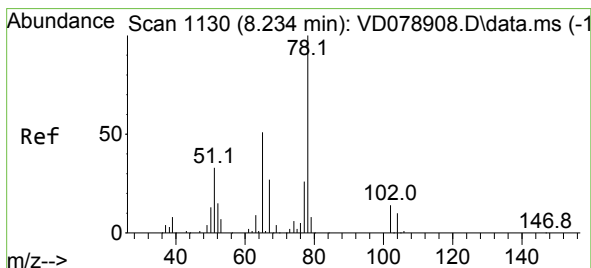
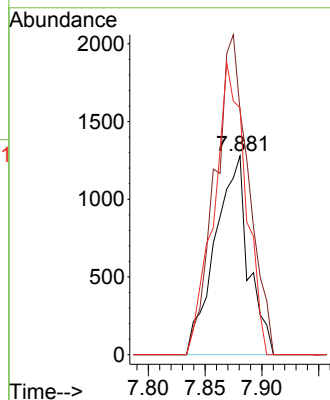
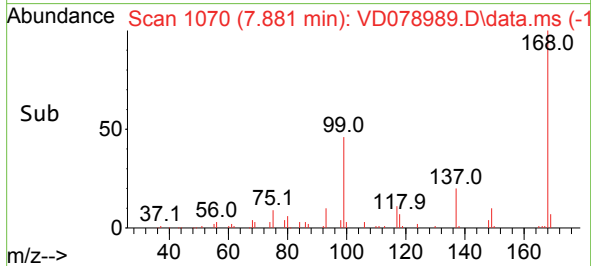


#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

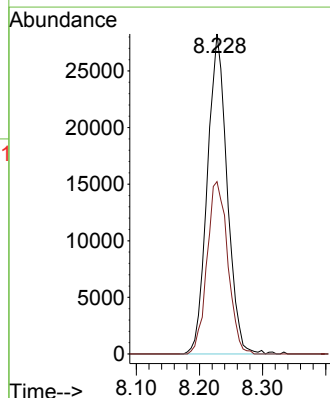
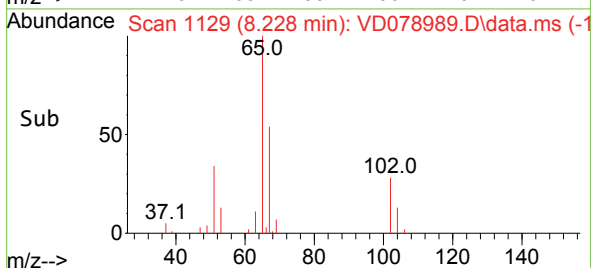
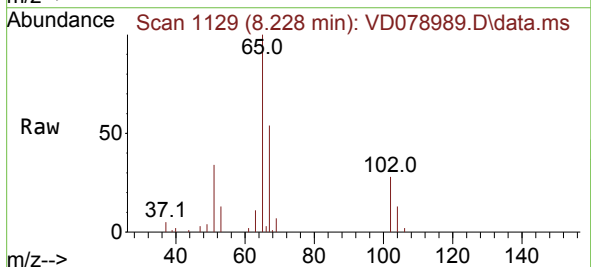


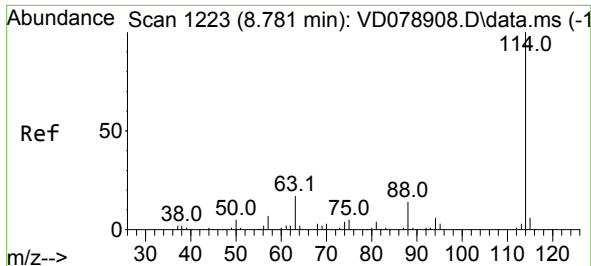
Tgt Ion: 56 Resp: 2607
Ion Ratio Lower Upper
56 100
69 122.7 28.0 42.0#
84 124.2 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 53.926 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Tgt Ion: 65 Resp: 61556
Ion Ratio Lower Upper
65 100
67 56.3 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078989.D

Acq: 22 May 2024 19:44

Instrument :

MSVOA_D

ClientSampleId :

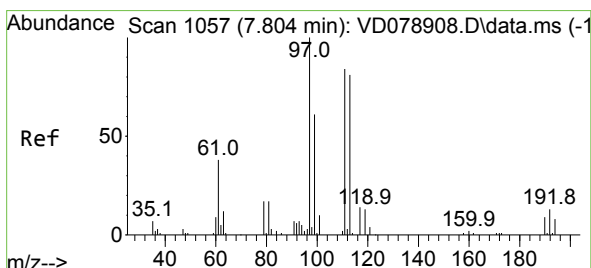
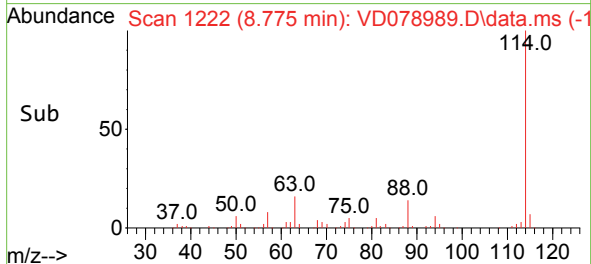
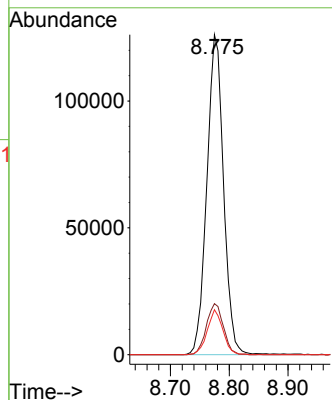
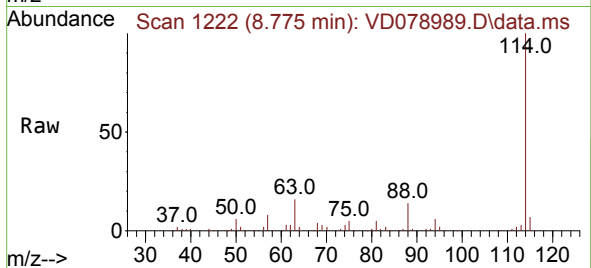
Tgt Ion:114 Resp: 249130

Ion Ratio Lower Upper

114 100

63 16.0 0.0 34.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.189 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078989.D

Acq: 22 May 2024 19:44

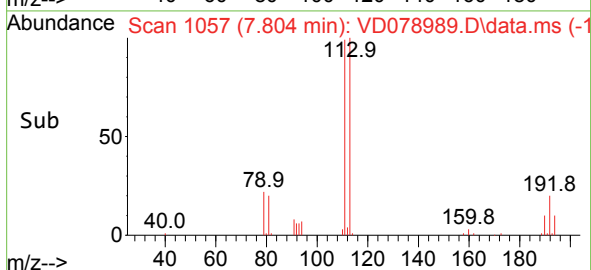
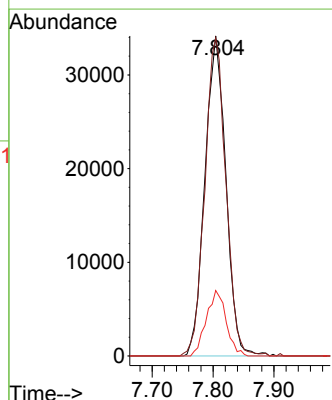
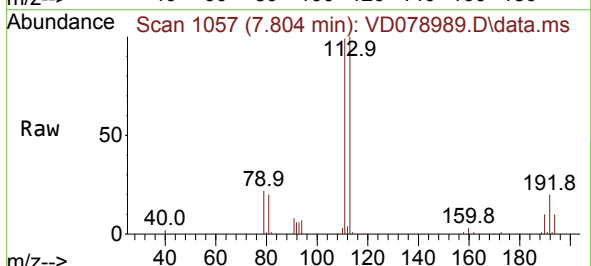
Tgt Ion:113 Resp: 81574

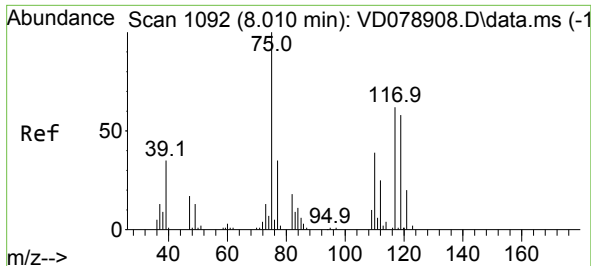
Ion Ratio Lower Upper

113 100

111 100.0 84.0 126.0

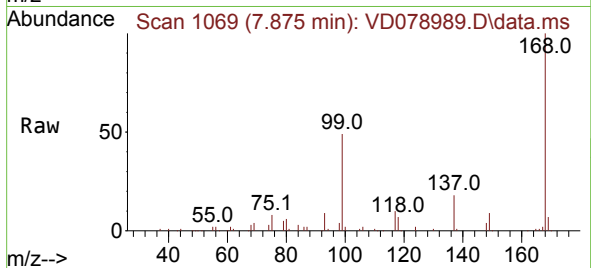
192 19.4 15.4 23.0



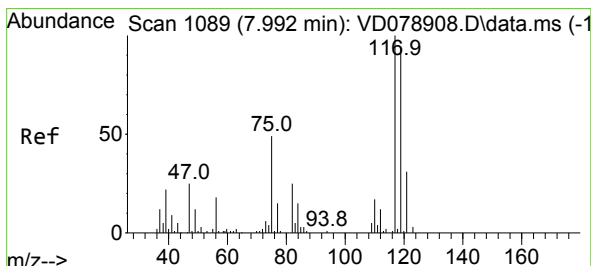
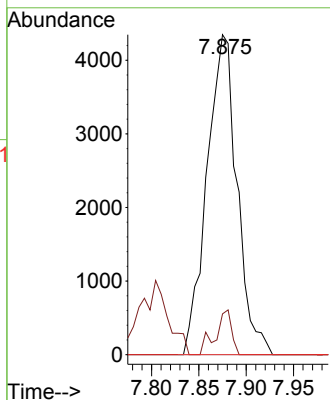
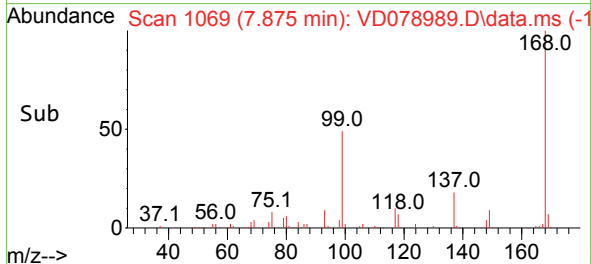


#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD078989.D
 Acq: 22 May 2024 19:44

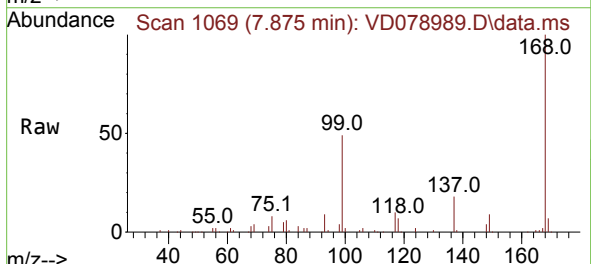
Instrument :
 MSVOA_D
 ClientSampleId :



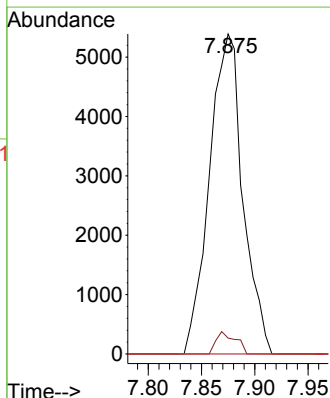
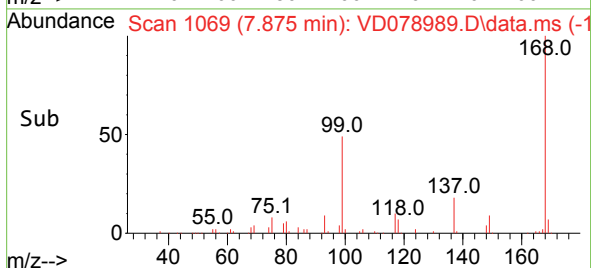
Tgt Ion: 75 Resp: 9601
 Ion Ratio Lower Upper
 75 100
 110 7.5 19.6 58.7#
 77 0.0 26.1 39.1#

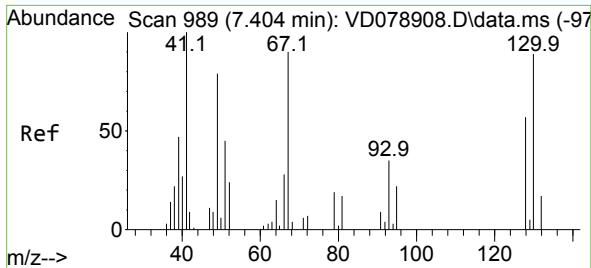


#38
 Carbon Tetrachloride
 Concen: 4.874 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.117 min
 Lab File: VD078989.D
 Acq: 22 May 2024 19:44



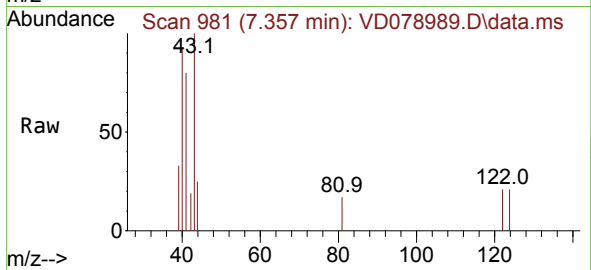
Tgt Ion: 117 Resp: 11772
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.4 113.0#
 121 0.0 25.0 37.4#



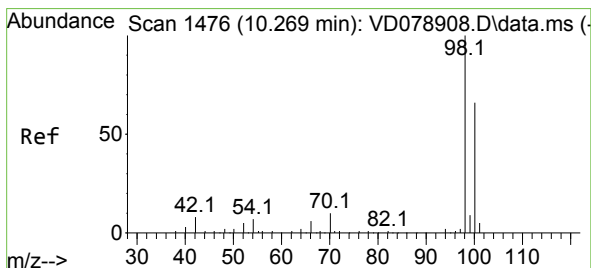
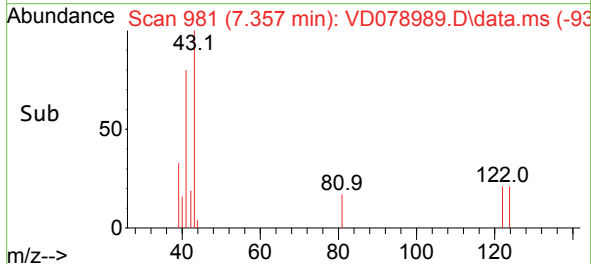
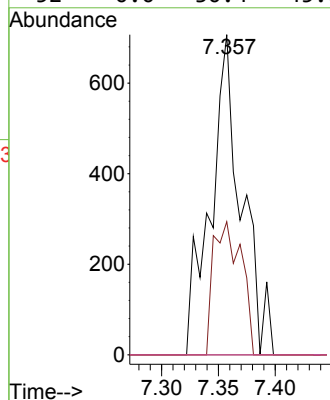


#41
Methacrylonitrile
Concen: 3.549 ug/l
RT: 7.357 min Scan# 91
Delta R.T. -0.047 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

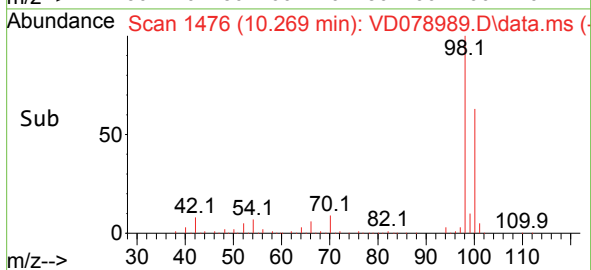
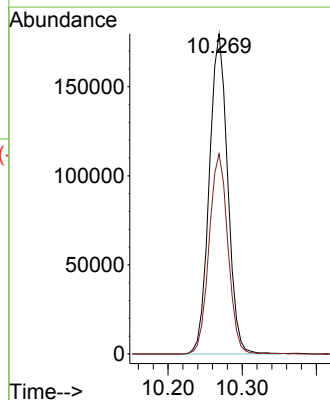
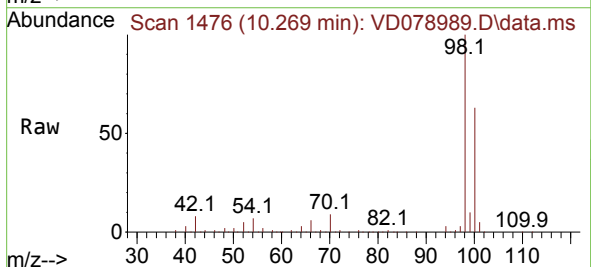


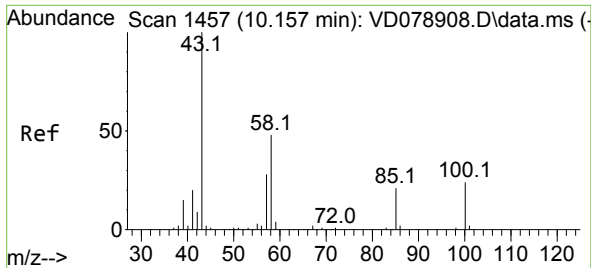
Tgt Ion: 41	Resp: 1343
Ion Ratio	Lower Upper
41 100	
39 37.3	41.4 62.0#
67 0.0	85.8 128.6#
52 0.0	30.4 45.6#



#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Tgt Ion: 98	Resp: 309789
Ion Ratio	Lower Upper
98 100	
100 64.0	51.6 77.4

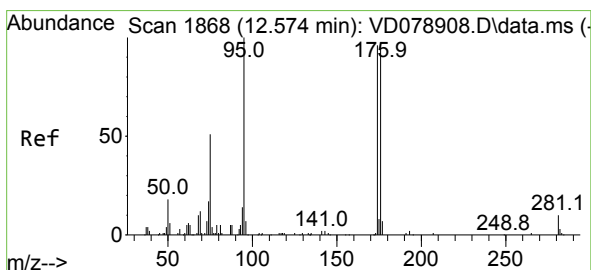
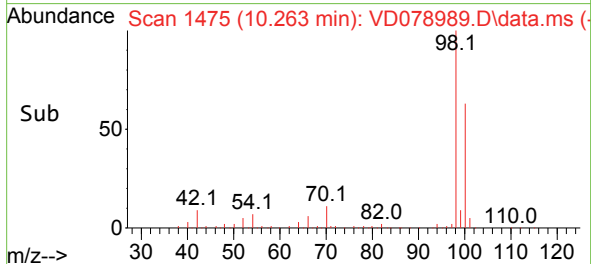
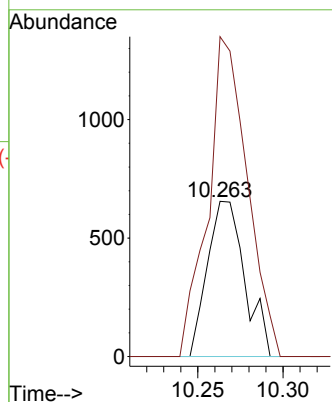
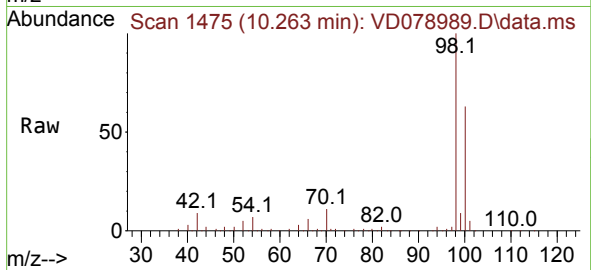




#51
4-Methyl-2-Pentanone
Concen: 1.500 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

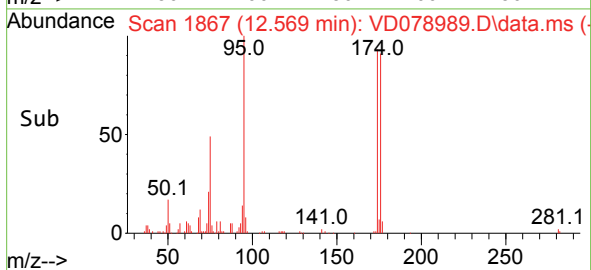
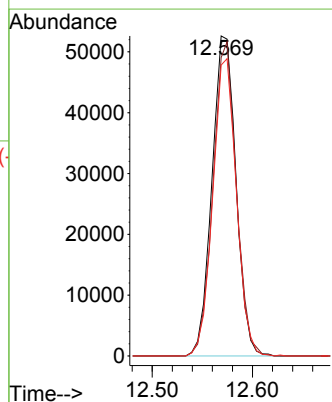
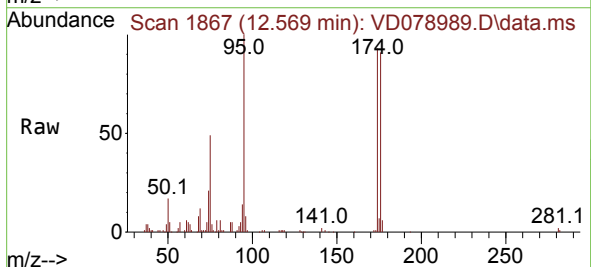
Instrument :
MSVOA_D
ClientSampleId :

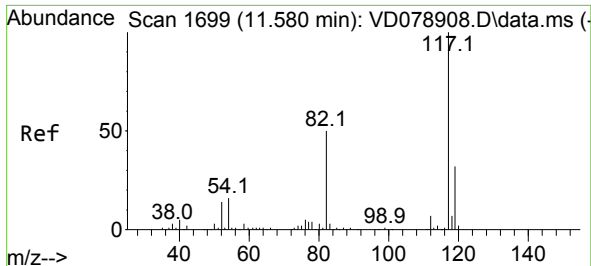
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 217.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 49.982 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

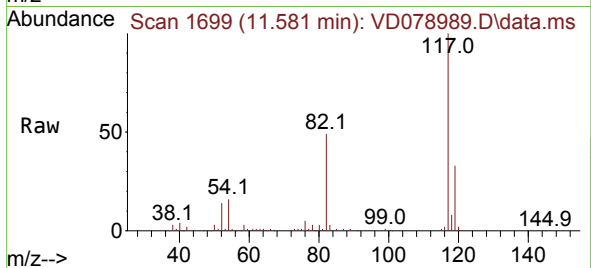
Tgt Ion: 95 Resp: 87294
Ion Ratio Lower Upper
95 100
174 95.0 0.0 195.4
176 91.3 0.0 192.6



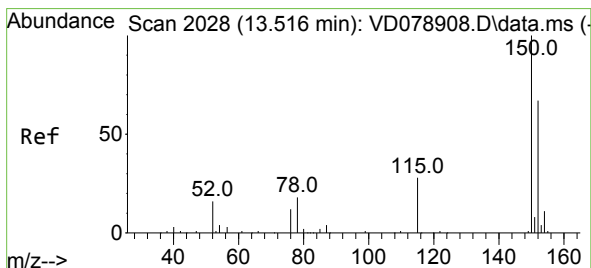
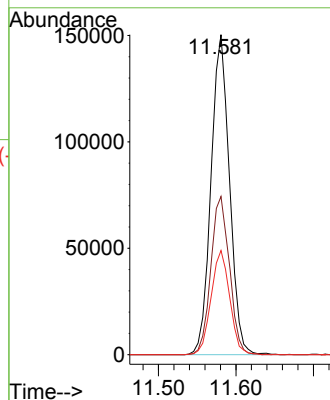
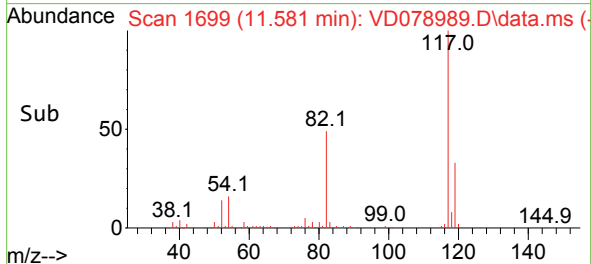


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

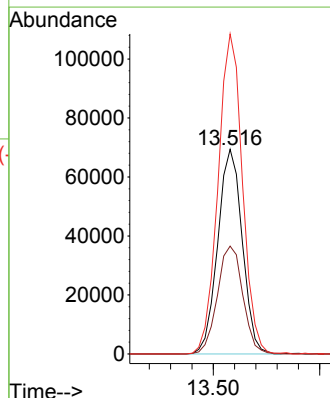
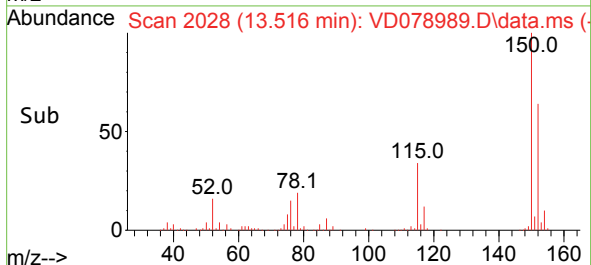
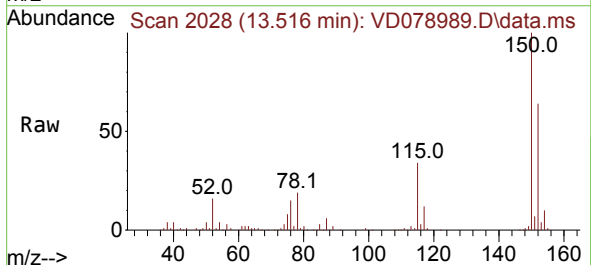


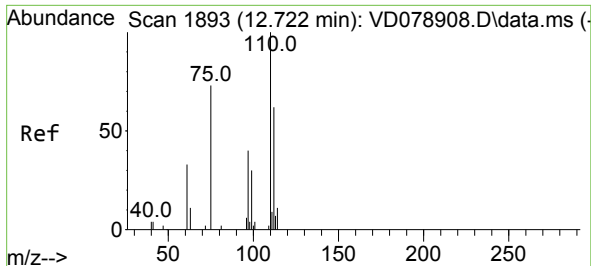
Tgt Ion:117 Resp: 249079
Ion Ratio Lower Upper
117 100
82 49.5 39.8 59.6
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Tgt Ion:152 Resp: 110635
Ion Ratio Lower Upper
152 100
115 54.7 26.5 79.5
150 155.5 0.0 341.6

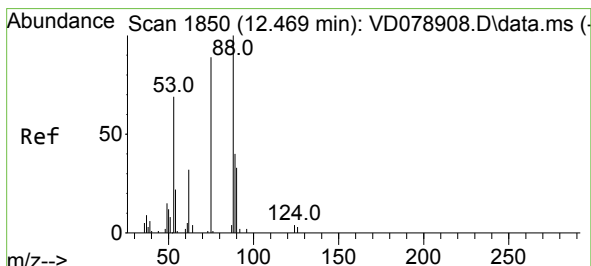
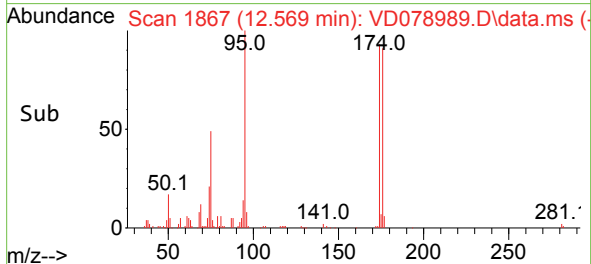
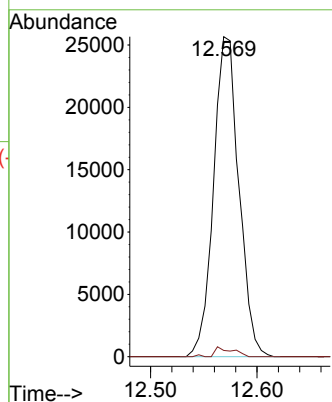
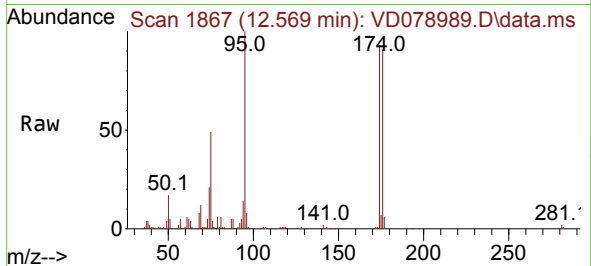




#76
1,2,3-Trichloropropane
Concen: 54.362 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 42341
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.801 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078989.D
Acq: 22 May 2024 19:44

Tgt Ion: 75 Resp: 42341
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

