

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078713.D
 Acq On : 20 Mar 2024 11:01
 Operator : RP/MD
 Sample : VD0320SBL02
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 21 04:44:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

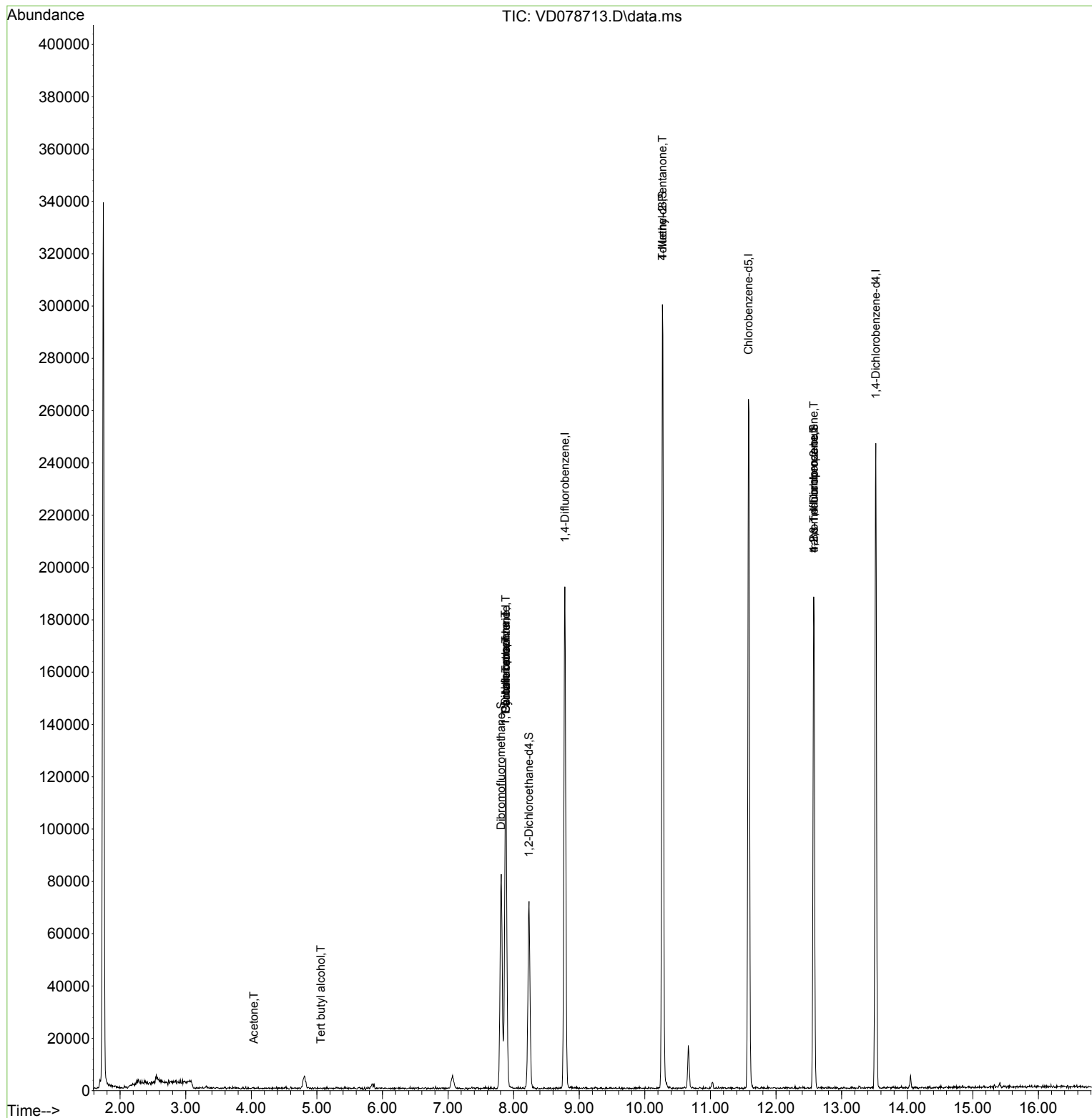
Internal Standards						
1) Pentafluorobenzene	7.881	168	99267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	175790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	167871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52646	56.591	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.180%			
35) Dibromofluoromethane	7.810	113	60047	53.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.100%			
50) Toluene-d8	10.269	98	211545	50.822	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.575	95	54949	45.123	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.240%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.058	59	55	1.321	ug/l #	75
16) Acetone	4.040	43	267	1.484	ug/l #	39
20) Methylene Chloride	4.810	84	3630	Below Cal	#	69
31) Cyclohexane	7.881	56	2325	1.487	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	8044	4.898	ug/l #	47
38) Carbon Tetrachloride	7.881	117	9263	5.350	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	581	1.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27789	54.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27789	115.113	ug/l #	19

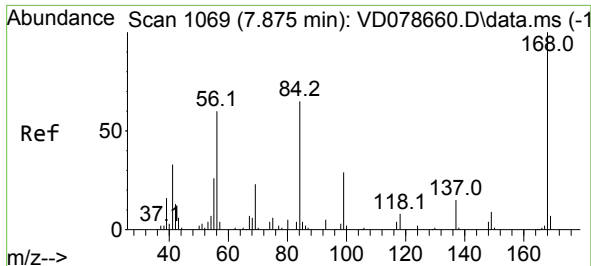
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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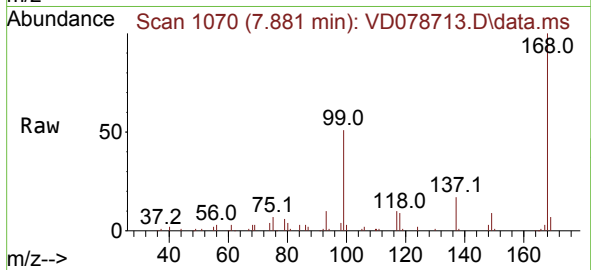
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
Response via : Initial Calibration



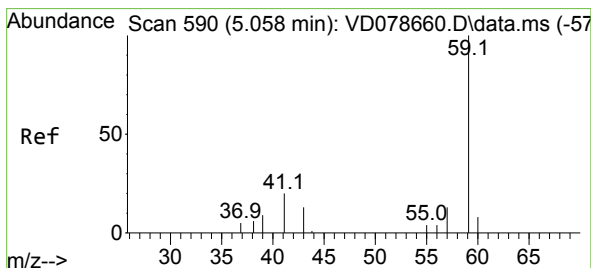
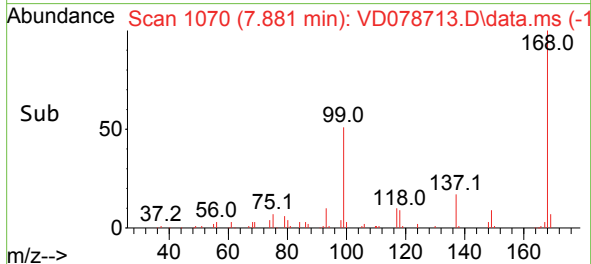
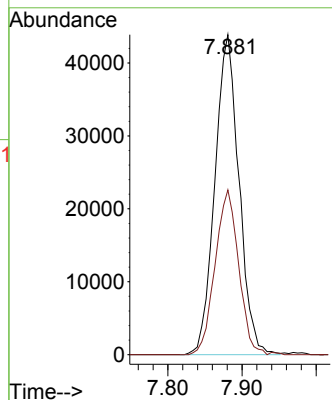


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Instrument :
MSVOA_D
ClientSampleId :

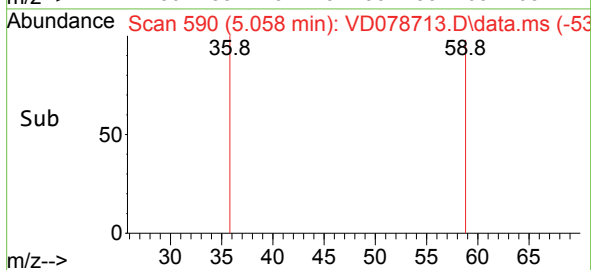
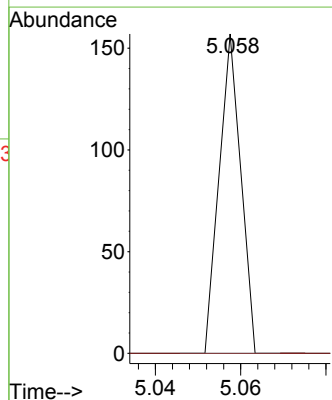
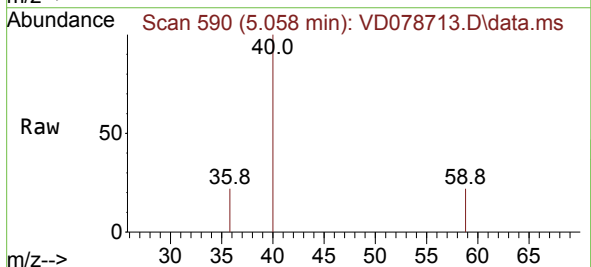


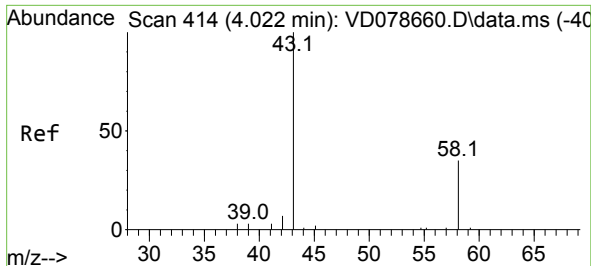
Tgt Ion:168 Resp: 99267
Ion Ratio Lower Upper
168 100
99 51.5 38.8 58.2



#11
Tert butyl alcohol
Concen: 1.321 ug/l
RT: 5.058 min Scan# 590
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

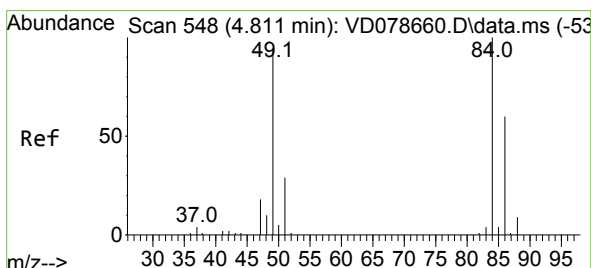
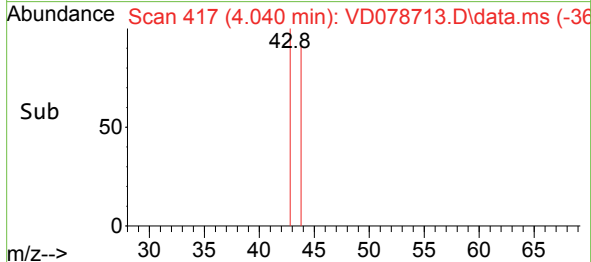
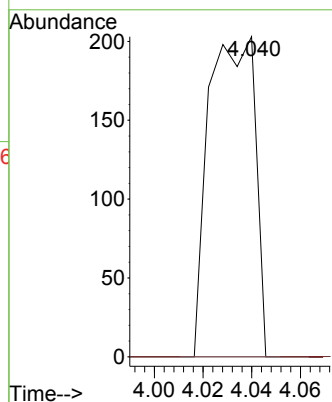
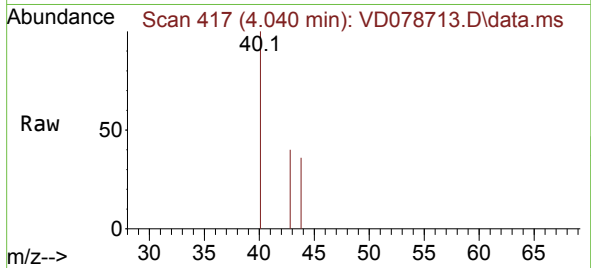




#16
Acetone
Concen: 1.484 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

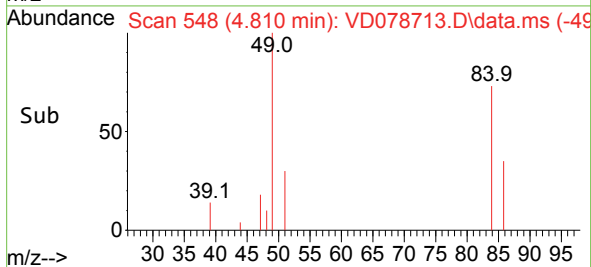
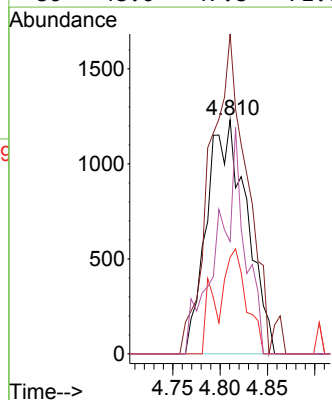
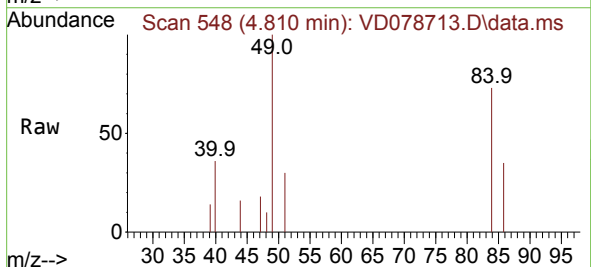
Instrument :
MSVOA_D
ClientSampleId :

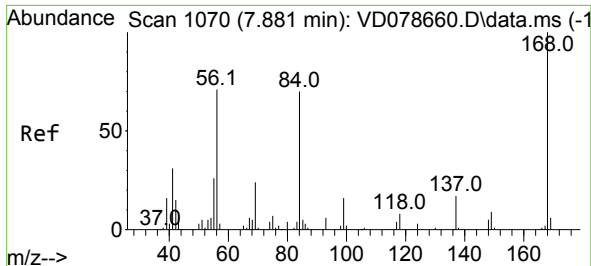
Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. -0.001 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

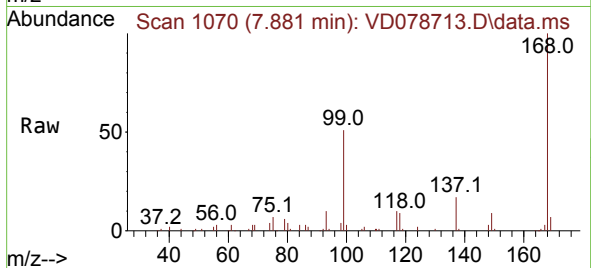
Tgt Ion: 84 Resp: 3630
Ion Ratio Lower Upper
84 100
49 136.6 75.6 113.4#
51 41.2 23.4 35.0#
86 48.0 47.8 71.6



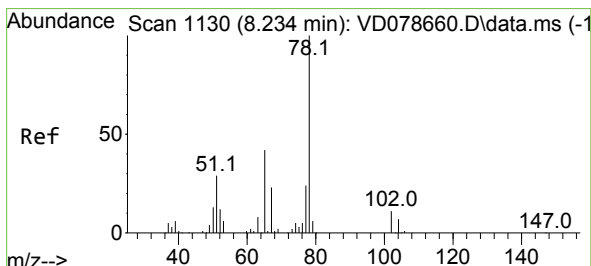
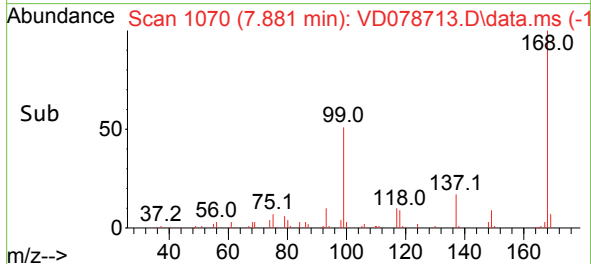
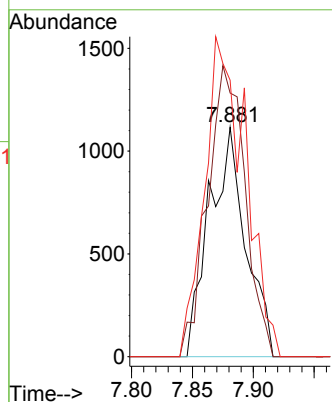


#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Instrument :
MSVOA_D
ClientSampleId :

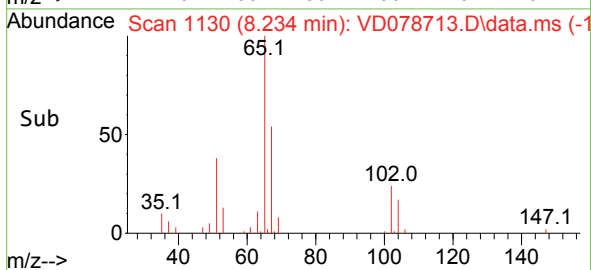
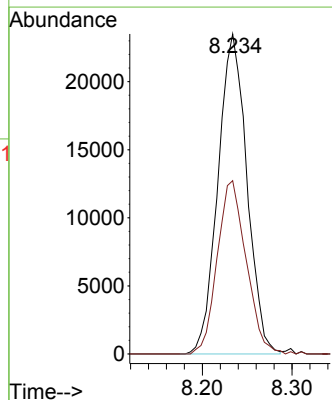
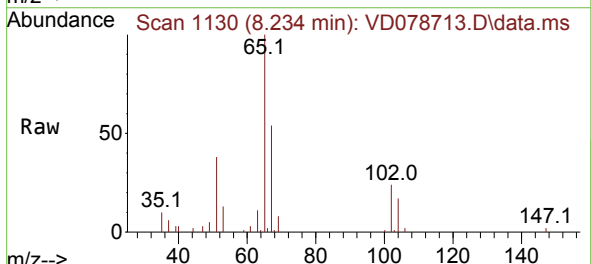


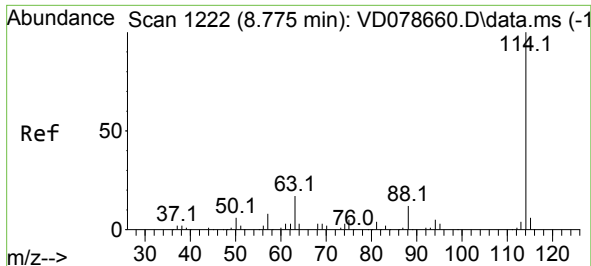
Tgt Ion: 56 Resp: 2325
Ion Ratio Lower Upper
56 100
69 115.0 26.6 40.0#
84 120.5 79.4 119.2#



#33
1,2-Dichloroethane-d4
Concen: 56.591 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 65 Resp: 52646
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

Instrument :

MSVOA_D

ClientSampleId :

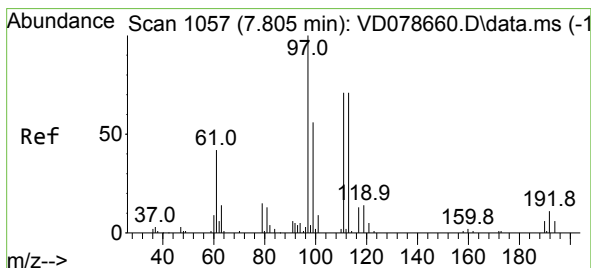
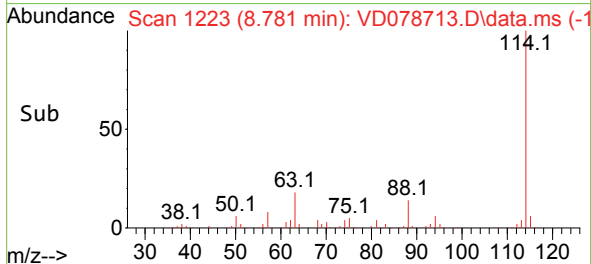
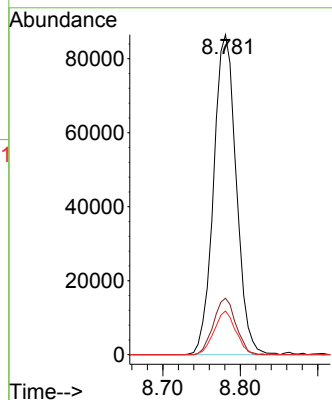
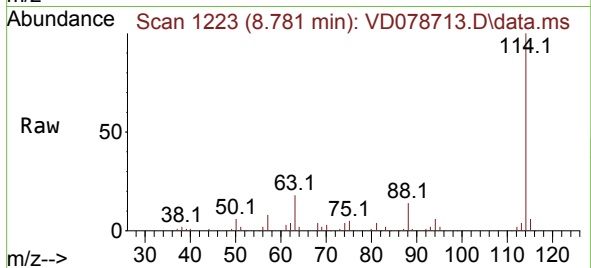
Tgt Ion:114 Resp: 175790

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.7 0.0 24.6



#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

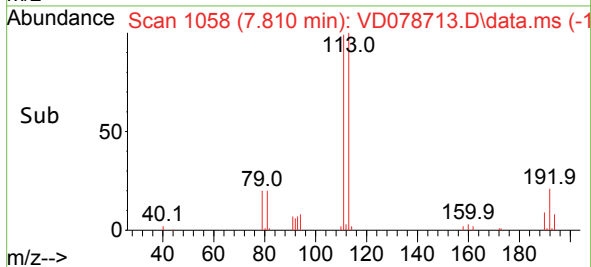
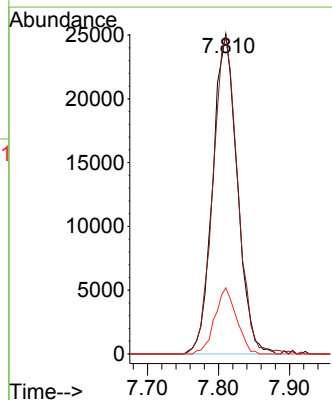
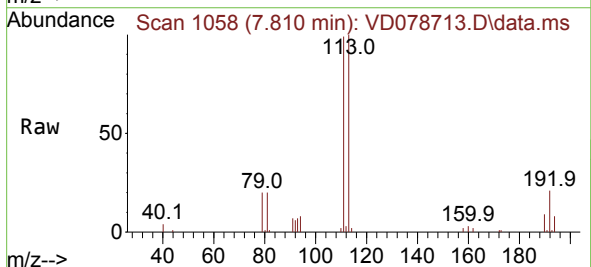
Tgt Ion:113 Resp: 60047

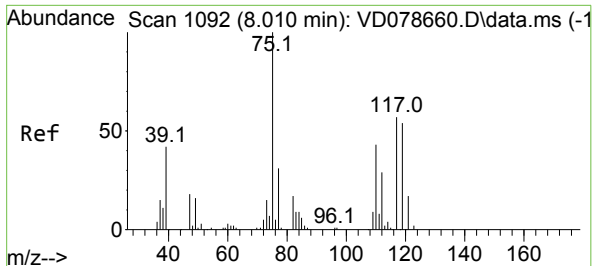
Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

192 18.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

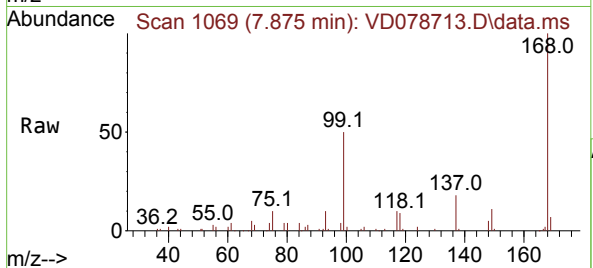
Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

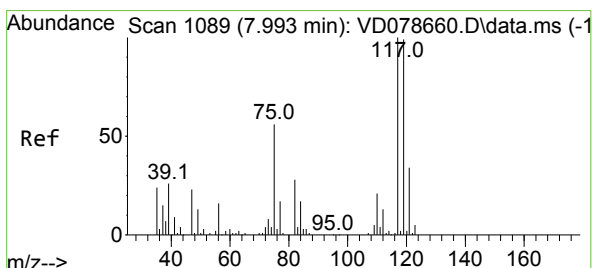
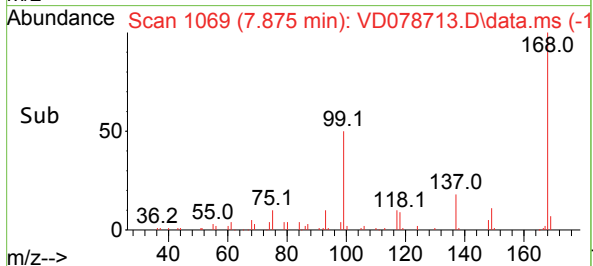
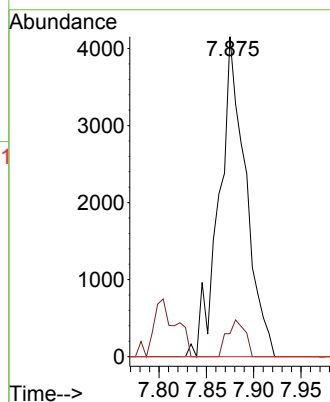
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8044
Ion Ratio	Lower Upper
75	100
110	7.8 19.1 57.1#
77	0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.350 ug/l

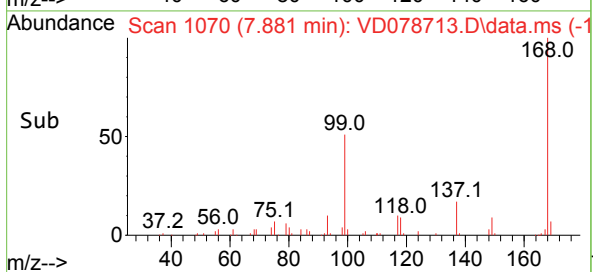
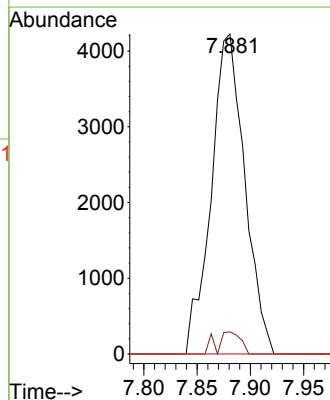
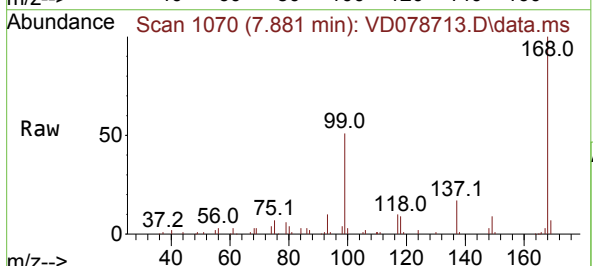
RT: 7.881 min Scan# 1070

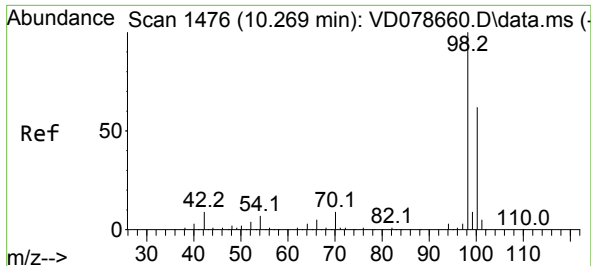
Delta R.T. -0.112 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

Tgt Ion: 117	Resp: 9263
Ion Ratio	Lower Upper
117	100
119	6.9 79.2 118.8#
121	0.0 26.8 40.2#

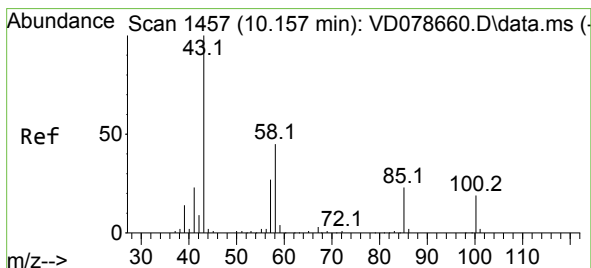
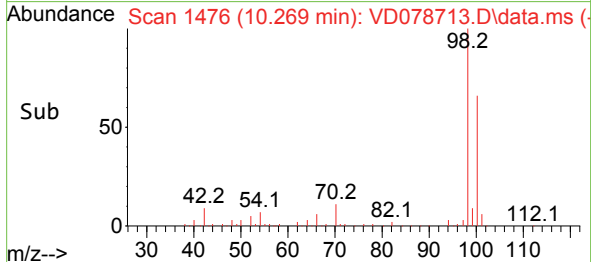
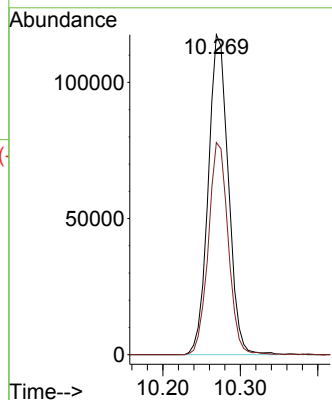
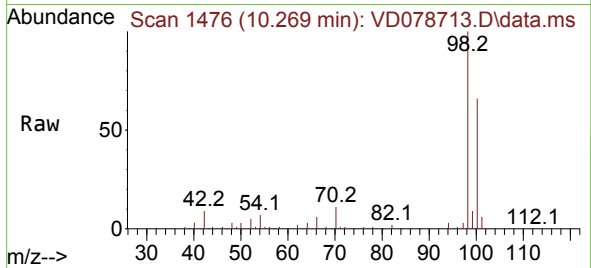




#50
Toluene-d8
Concen: 50.822 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

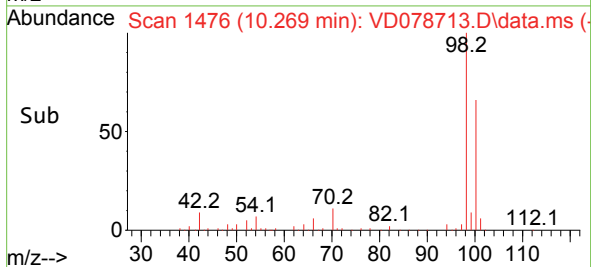
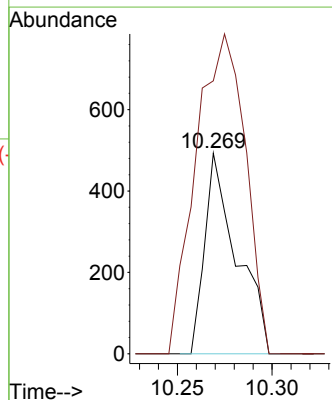
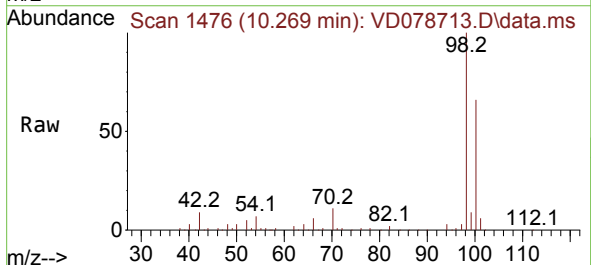
Instrument :
MSVOA_D
ClientSampleId :

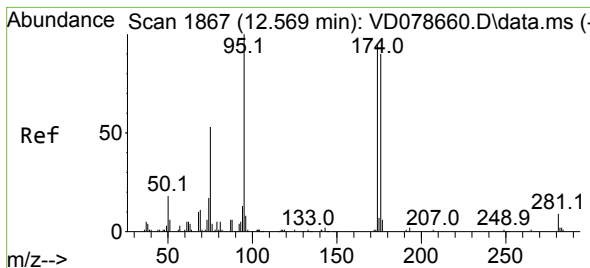
Tgt Ion: 98 Resp: 211545
Ion Ratio Lower Upper
98 100
100 65.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.139 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 246.3 36.4 54.6#

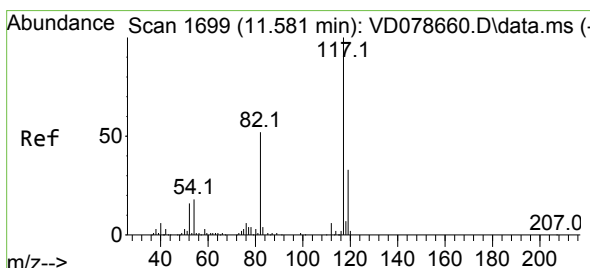
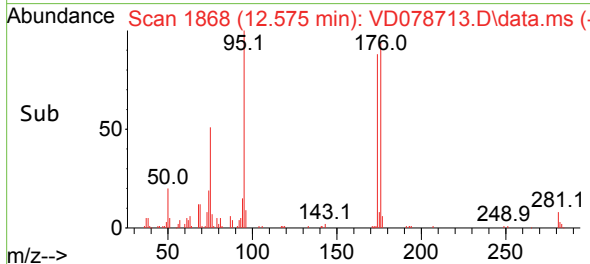
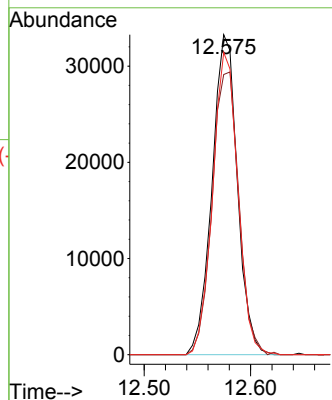
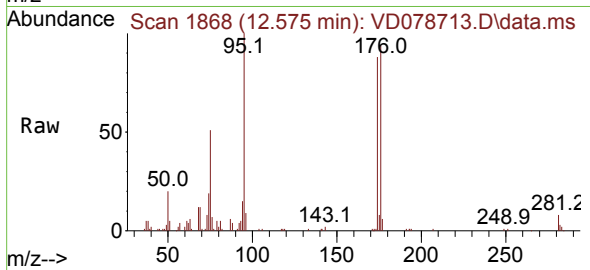




#62
4-Bromofluorobenzene
Concen: 45.123 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

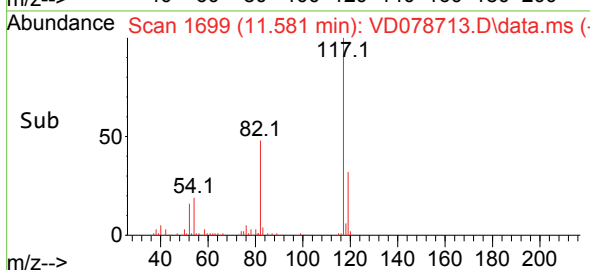
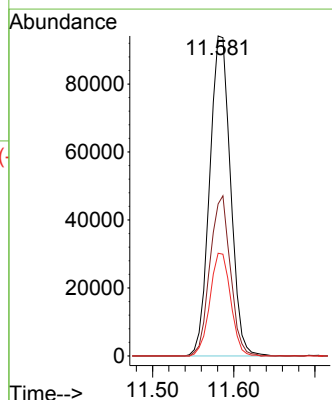
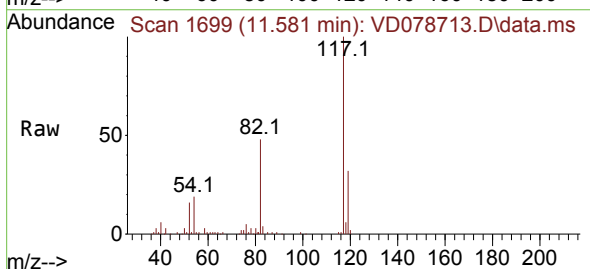
Instrument :
MSVOA_D
ClientSampleId :

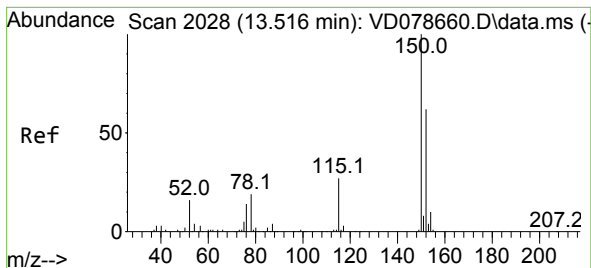
Tgt Ion: 95 Resp: 54949
Ion Ratio Lower Upper
95 100
174 93.0 0.0 195.2
176 94.1 0.0 188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 117 Resp: 167871
Ion Ratio Lower Upper
117 100
82 47.5 41.4 62.2
119 32.1 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

Instrument :

MSVOA_D

ClientSampleId :

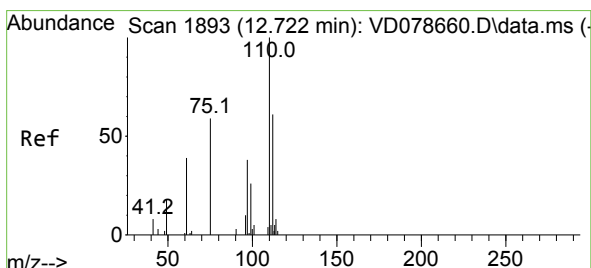
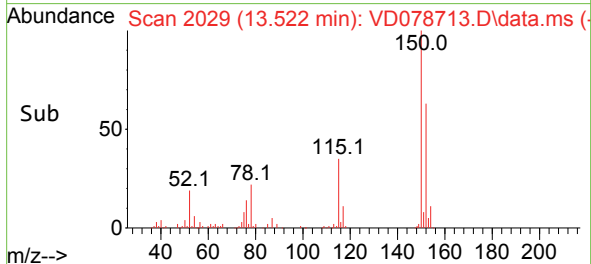
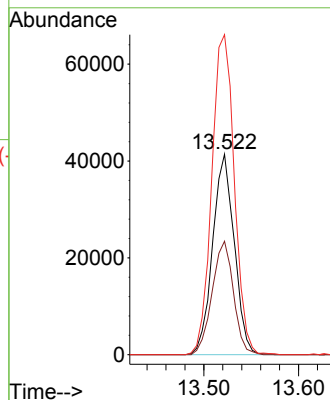
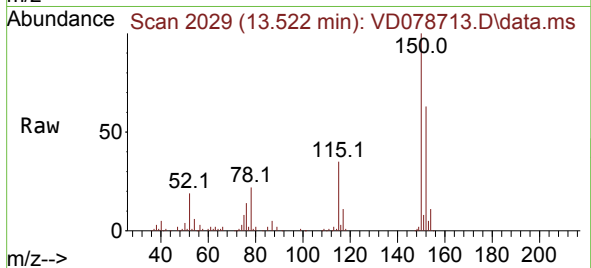
Tgt Ion:152 Resp: 65680

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.2

150 166.1 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 54.916 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078713.D

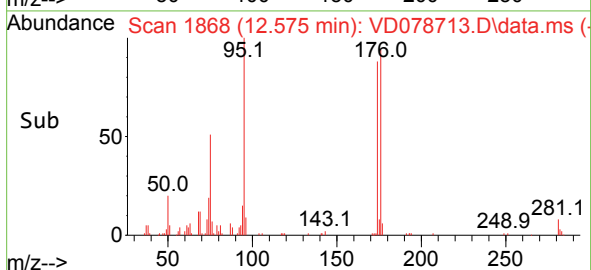
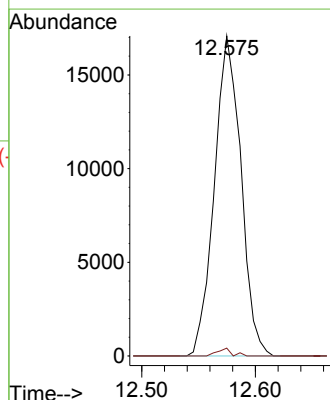
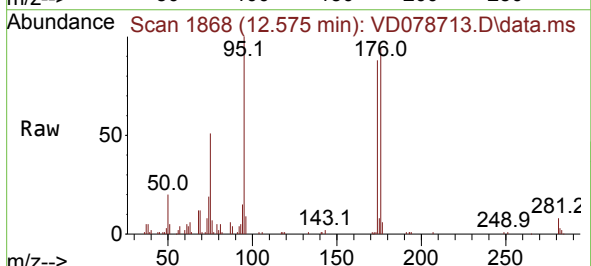
Acq: 20 Mar 2024 11:01

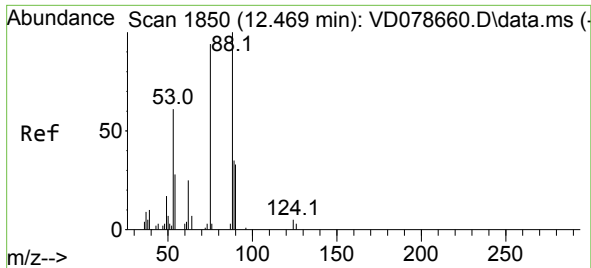
Tgt Ion: 75 Resp: 27789

Ion Ratio Lower Upper

75 100

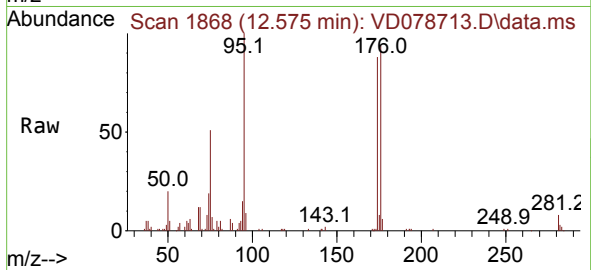
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 115.113 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

