

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078437.D
 Acq On : 15 Feb 2024 15:50
 Operator : RP/MD
 Sample : P1473-01RE
 Misc : 5.06G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-021424RE

Quant Time: Feb 16 02:36:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

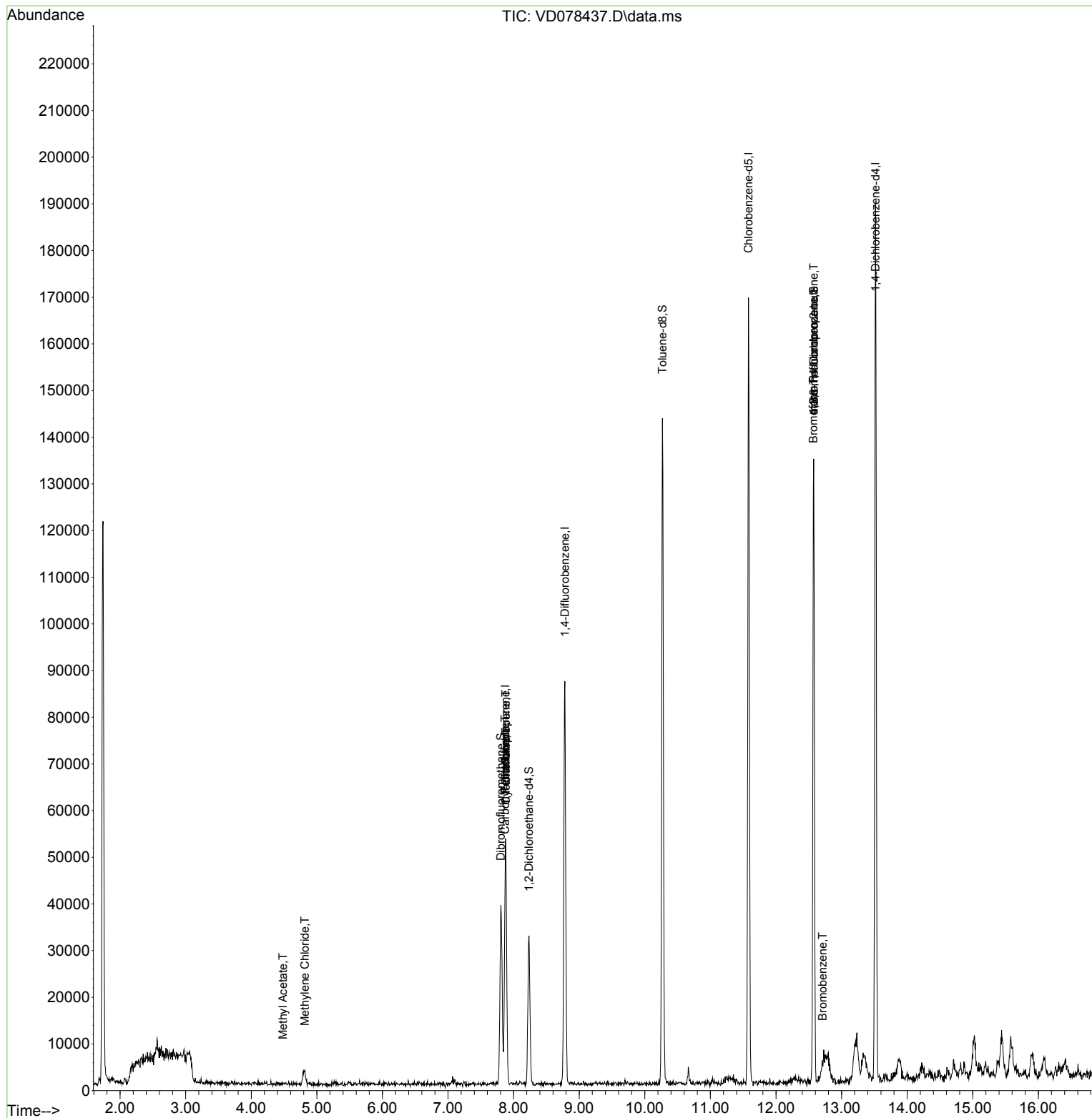
Internal Standards						
1) Pentafluorobenzene	7.875	168	39494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	78990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	97194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	50985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	24742	57.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.880%	
35) Dibromofluoromethane	7.805	113	27640	55.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.180%	
50) Toluene-d8	10.269	98	101349	50.494	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.575	95	41537	71.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 142.220%	
Target Compounds						
					Qvalue	
16) Acetone	4.046	43	327	Below Cal	#	32
18) Methyl Acetate	4.481	43	73	4.162	ug/l #	42
20) Methylene Chloride	4.817	84	2676	2.603	ug/l #	75
31) Cyclohexane	7.881	56	1050	1.454	ug/l #	69
36) 1,1-Dichloropropene	7.881	75	3375	4.330	ug/l #	41
38) Carbon Tetrachloride	7.869	117	4362	5.651	ug/l #	11
71) Bromoform	12.569	173	440	1.164	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	21741	50.228	ug/l #	100
77) Bromobenzene	12.710	156	2689	3.342	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	21741	104.274	ug/l #	17

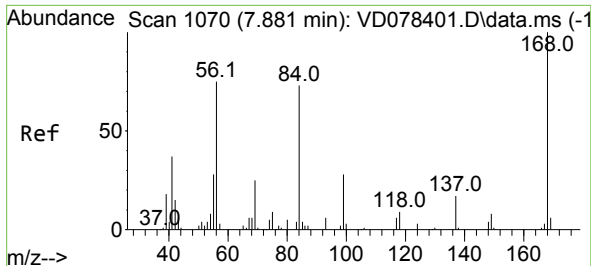
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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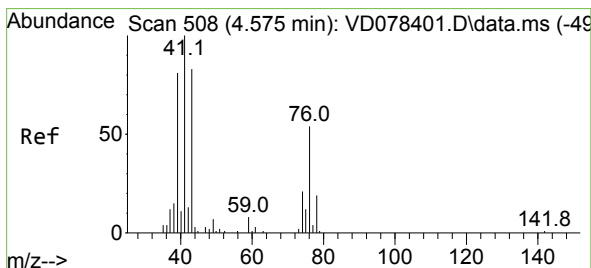
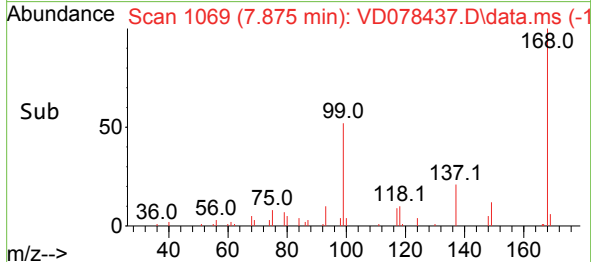
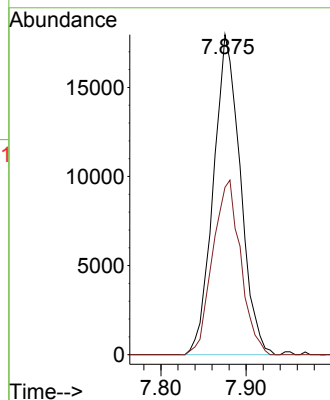
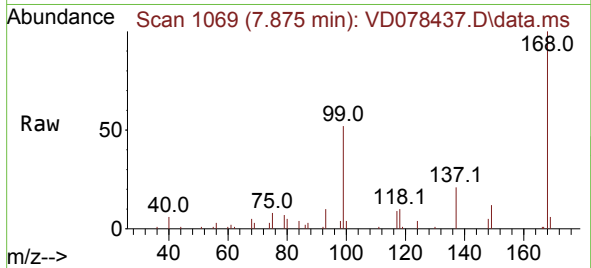




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

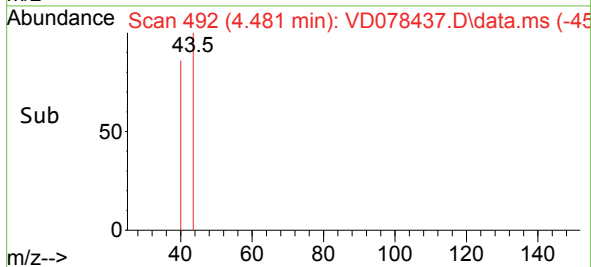
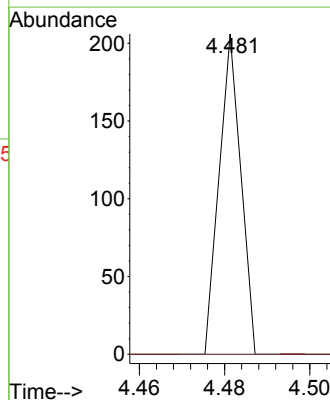
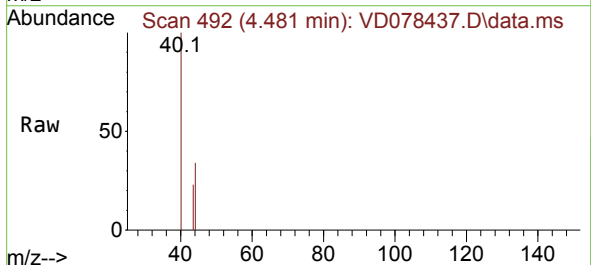
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424RE

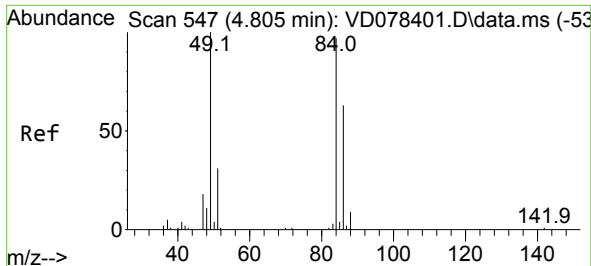
Tgt Ion:168 Resp: 39494
Ion Ratio Lower Upper
168 100
99 52.3 36.7 55.1



#18
Methyl Acetate
Concen: 4.162 ug/l
RT: 4.481 min Scan# 492
Delta R.T. -0.094 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

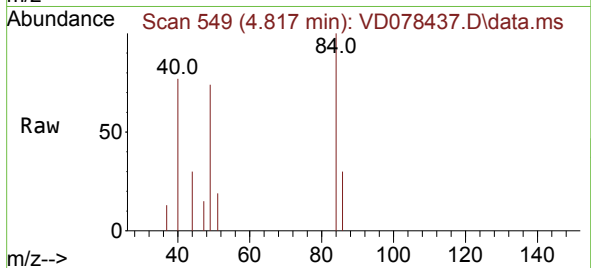
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



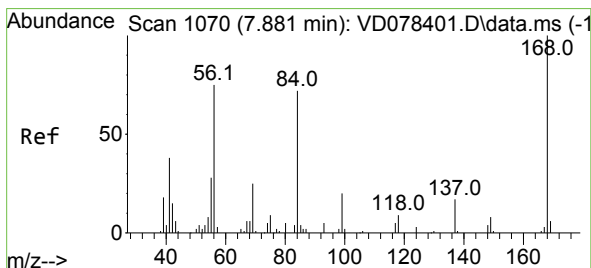
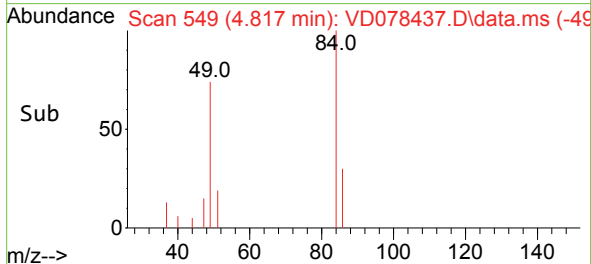
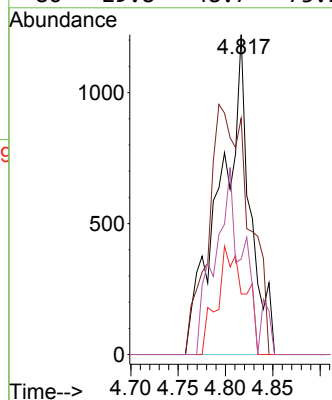


#20
Methylene Chloride
Concen: 2.603 ug/l
RT: 4.817 min Scan# 549
Delta R.T. 0.012 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424RE

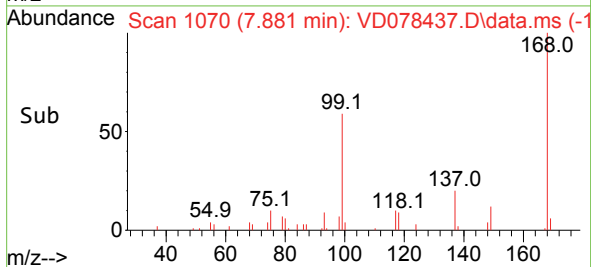
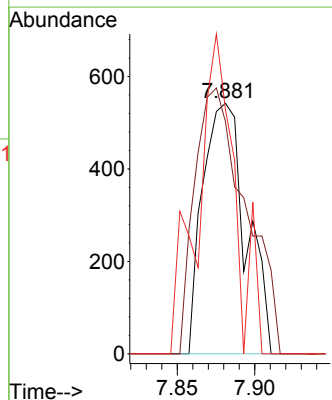
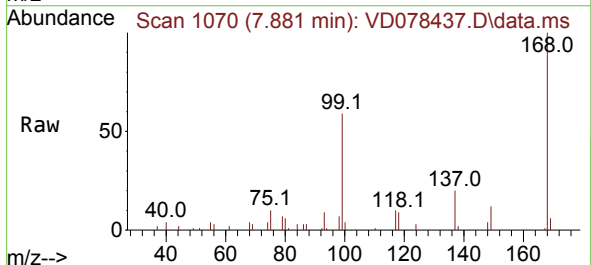


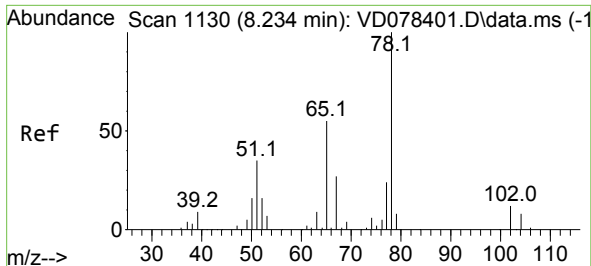
Tgt Ion: 84 Resp: 2676
Ion Ratio Lower Upper
84 100
49 73.9 71.4 107.2
51 18.9 24.5 36.7#
86 29.8 48.7 73.1#



#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Tgt Ion: 56 Resp: 1050
Ion Ratio Lower Upper
56 100
69 92.6 28.6 43.0#
84 97.4 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 57.940 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078437.D

Acq: 15 Feb 2024 15:50

Instrument :

MSVOA_D

ClientSampleId :

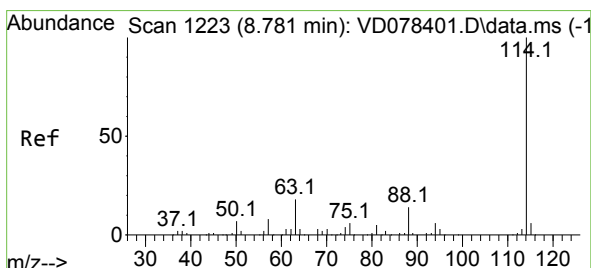
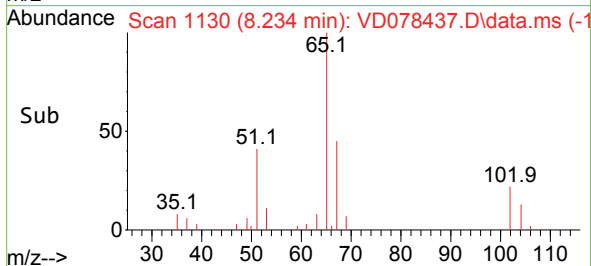
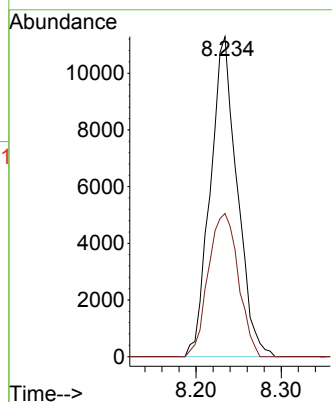
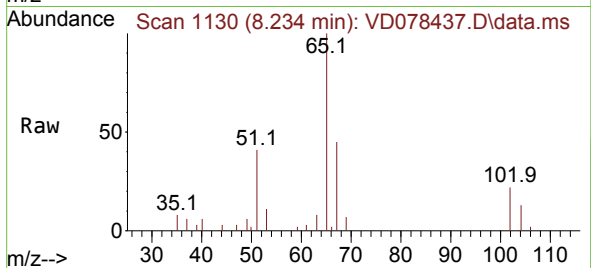
SU-03-021424RE

Tgt Ion: 65 Resp: 24742

Ion Ratio Lower Upper

65 100

67 50.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078437.D

Acq: 15 Feb 2024 15:50

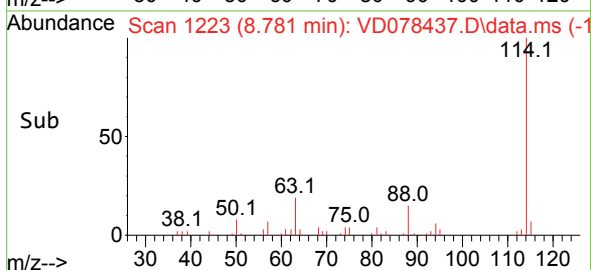
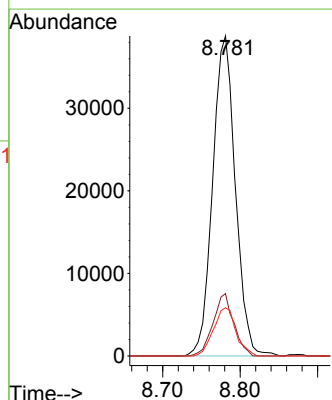
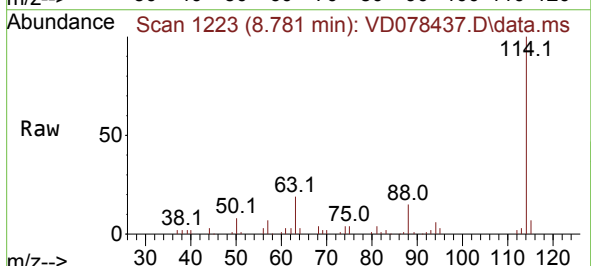
Tgt Ion: 114 Resp: 78990

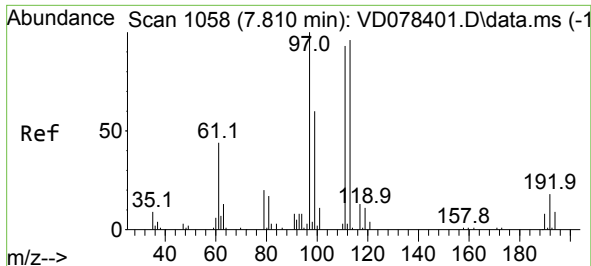
Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.4

88 15.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 55.086 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078437.D

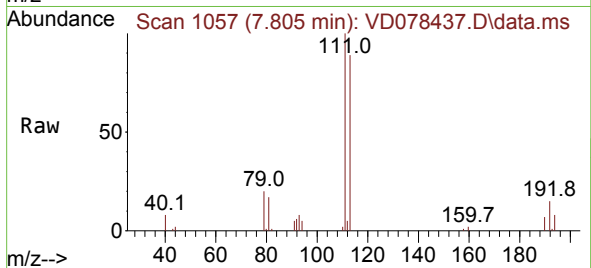
Acq: 15 Feb 2024 15:50

Instrument :

MSVOA_D

ClientSampleId :

SU-03-021424RE



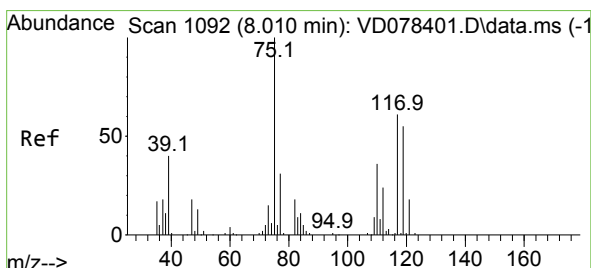
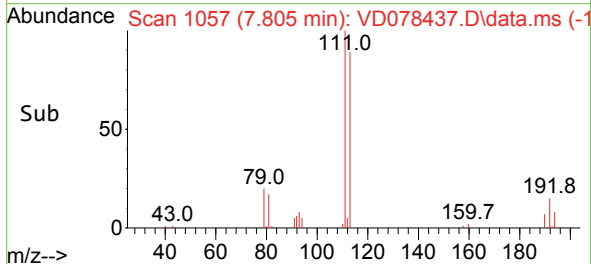
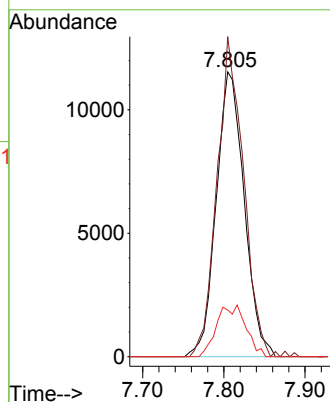
Tgt Ion:113 Resp: 27640

Ion Ratio Lower Upper

113 100

111 106.2 84.7 127.1

192 18.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078437.D

Acq: 15 Feb 2024 15:50

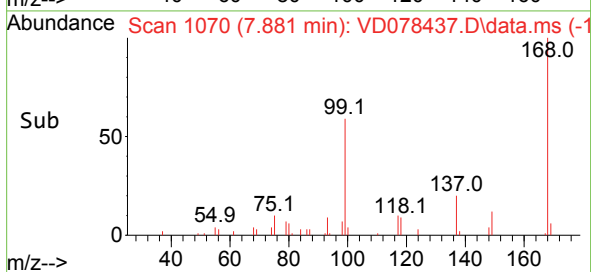
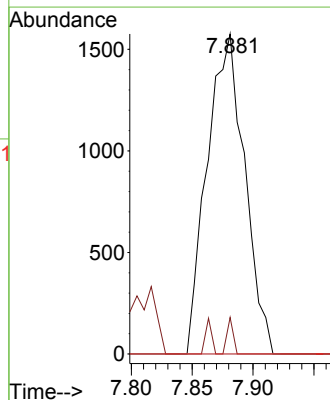
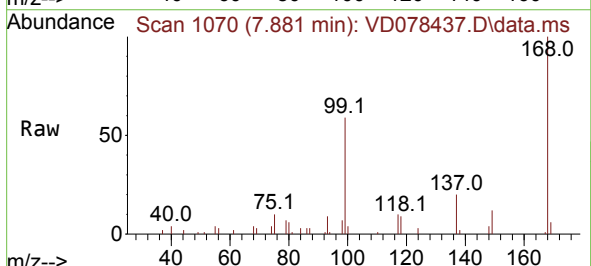
Tgt Ion: 75 Resp: 3375

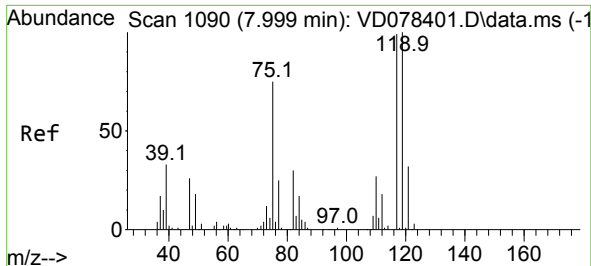
Ion Ratio Lower Upper

75 100

110 1.9 19.9 59.6#

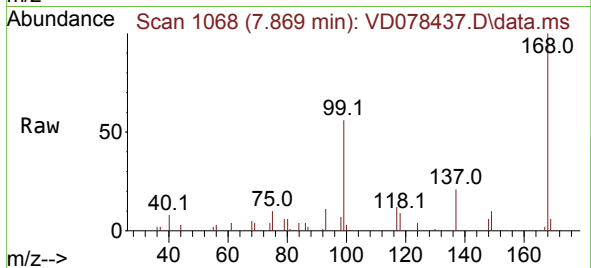
77 0.0 24.7 37.1#



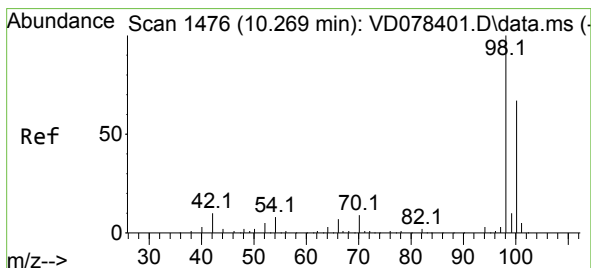
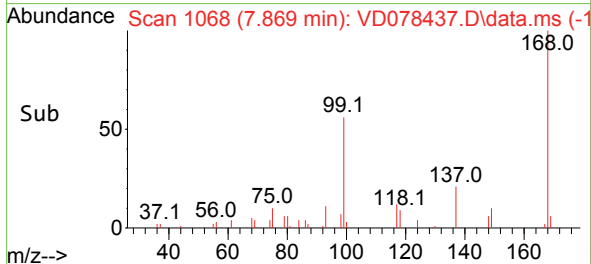
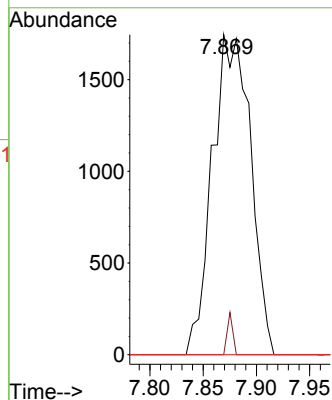


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424RE

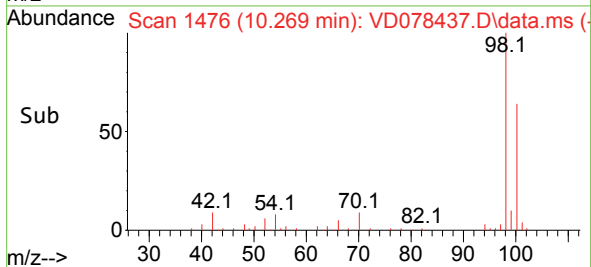
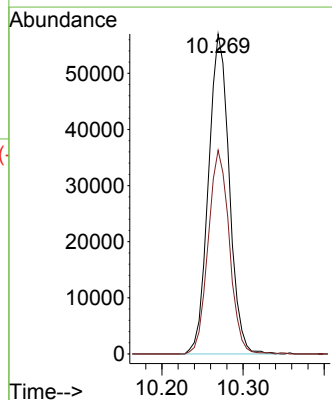
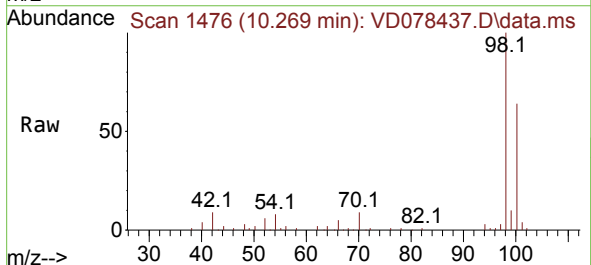


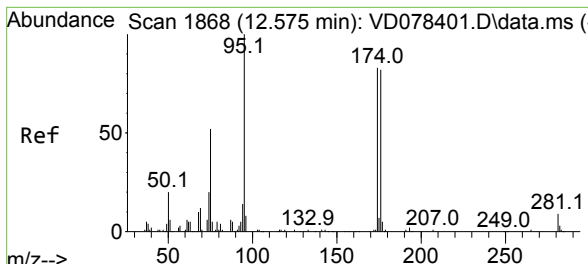
Tgt Ion:117 Resp: 4362
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.494 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Tgt Ion: 98 Resp: 101349
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5

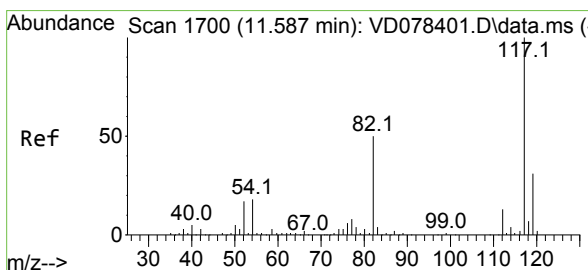
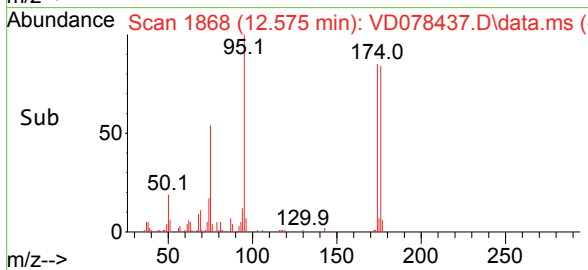
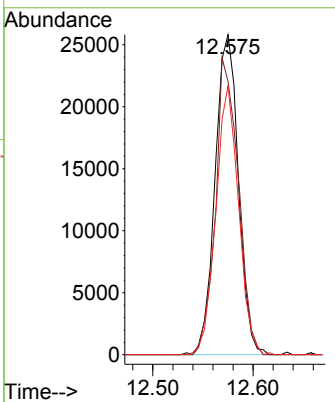
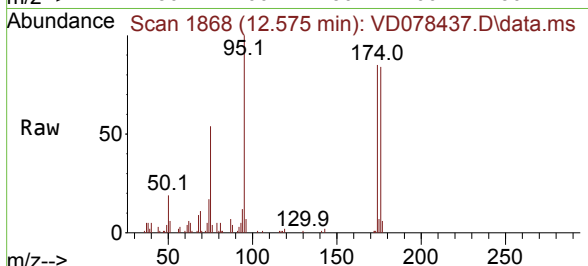




#62
4-Bromofluorobenzene
Concen: 71.113 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

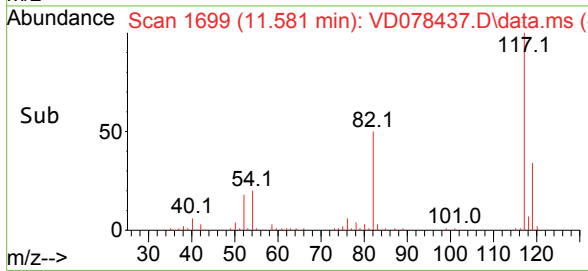
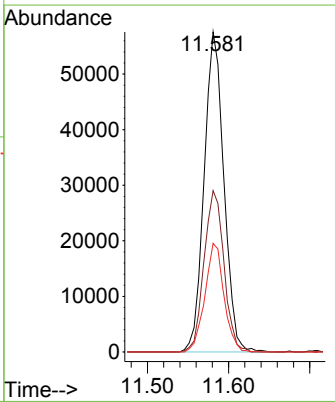
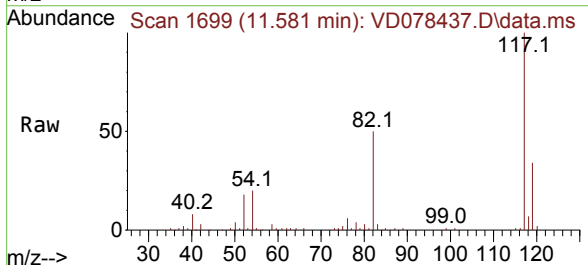
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424RE

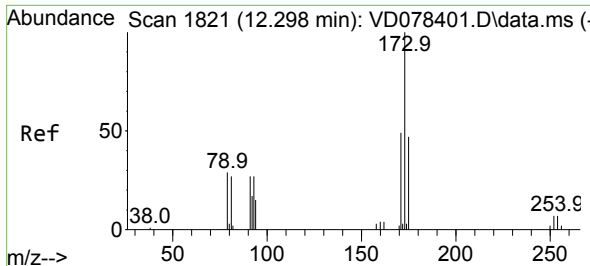
Tgt Ion:	95	Resp:	41537
Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	201.8
176	82.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Tgt Ion:	117	Resp:	97194
Ion	Ratio	Lower	Upper
117	100		
82	50.4	38.3	57.5
119	34.0	25.0	37.4

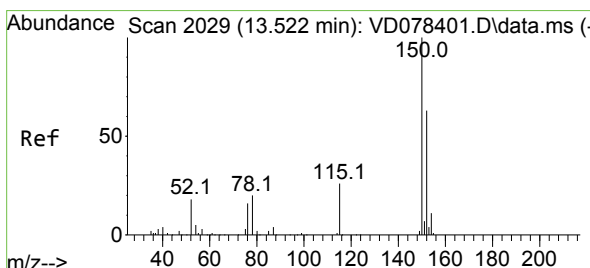
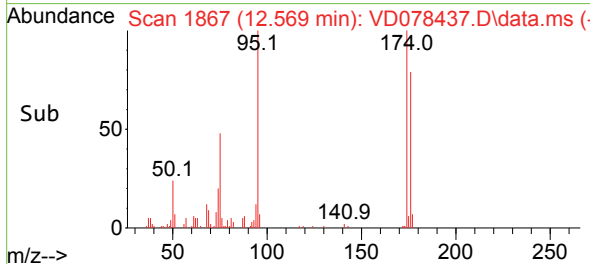
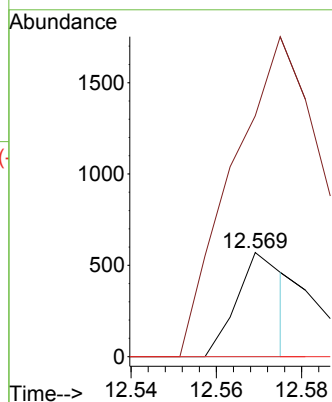
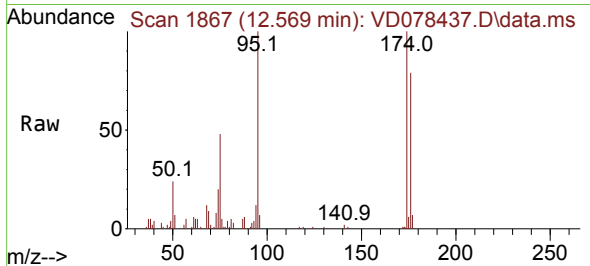




#71
Bromoform
Concen: 1.164 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

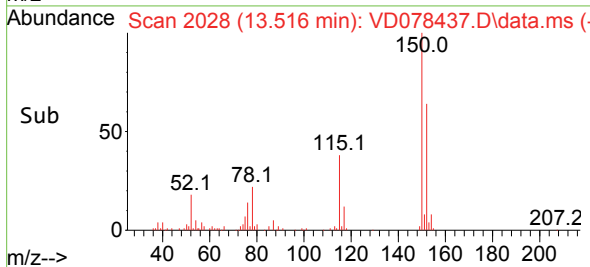
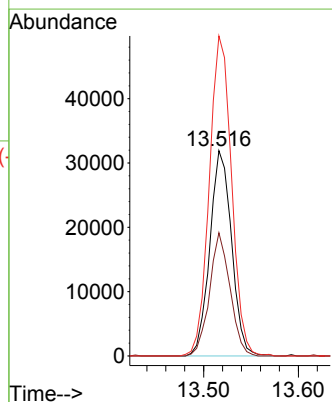
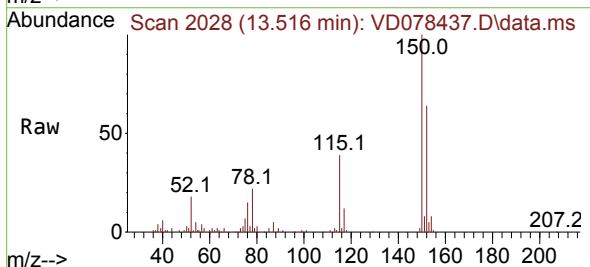
Instrument :
MSVOA_D
ClientSampleId :
SU-03-021424RE

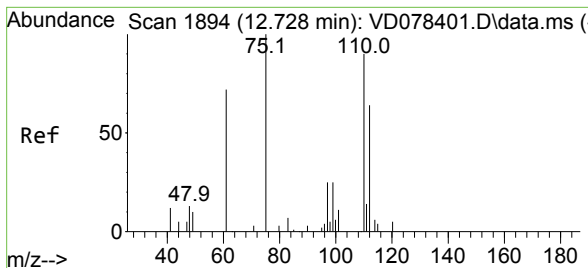
Tgt Ion:173 Resp: 440
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078437.D
Acq: 15 Feb 2024 15:50

Tgt Ion:152 Resp: 50985
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 158.9 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 50.228 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078437.D

Acq: 15 Feb 2024 15:50

Instrument :

MSVOA_D

ClientSampleId :

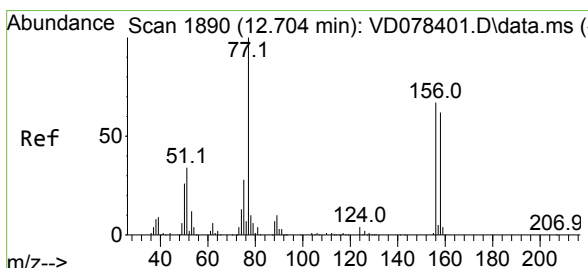
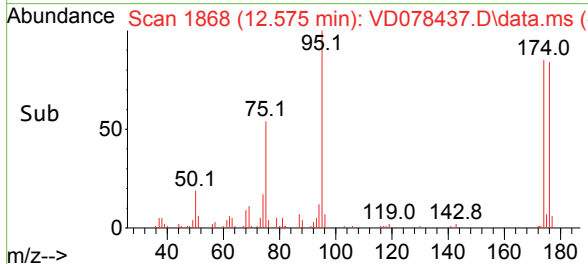
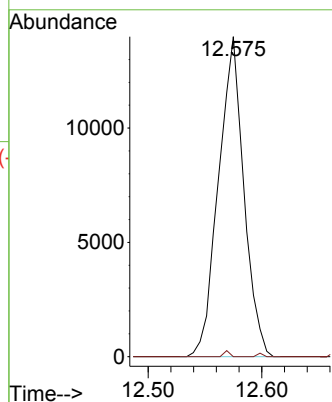
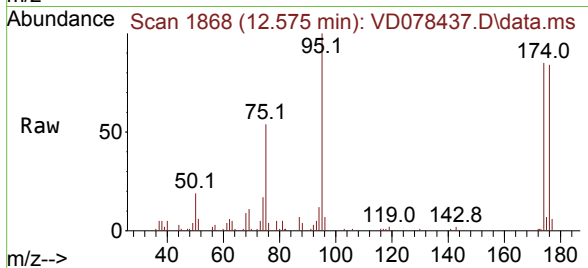
SU-03-021424RE

Tgt Ion: 75 Resp: 21741

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#77

Bromobenzene

Concen: 3.342 ug/l

RT: 12.710 min Scan# 1891

Delta R.T. 0.006 min

Lab File: VD078437.D

Acq: 15 Feb 2024 15:50

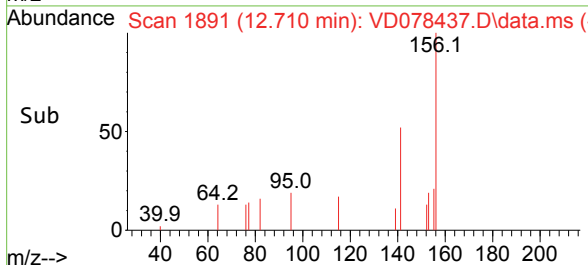
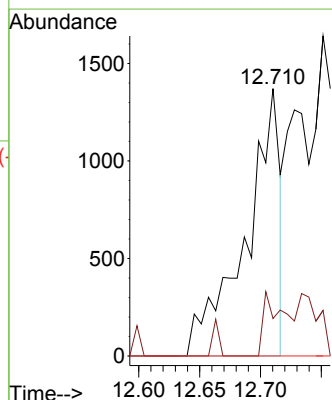
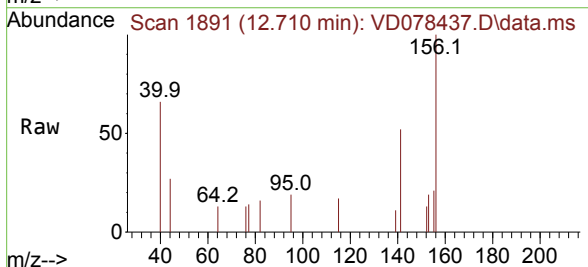
Tgt Ion: 156 Resp: 2689

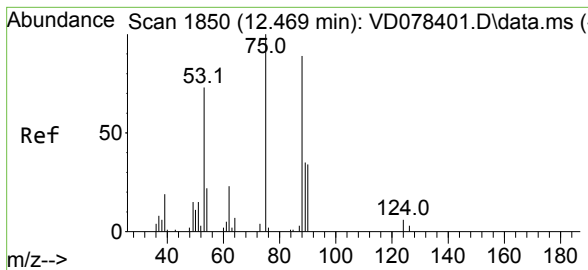
Ion Ratio Lower Upper

156 100

77 12.8 76.8 230.4#

158 0.0 48.6 145.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.274 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078437.D
 Acq: 15 Feb 2024 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-021424RE

Tgt Ion: 75	Resp:	21741
Ion Ratio	Lower	Upper
75	100	
53	0.0	63.0 94.4#
89	0.0	37.9 56.9#

