

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078520.D
 Acq On : 22 Feb 2024 16:30
 Operator : RP/MD
 Sample : P1538-11
 Misc : 5.09G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241104-AMENDED-COMPOSITE-35N-N-4-03

Quant Time: Feb 23 01:05:36 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)

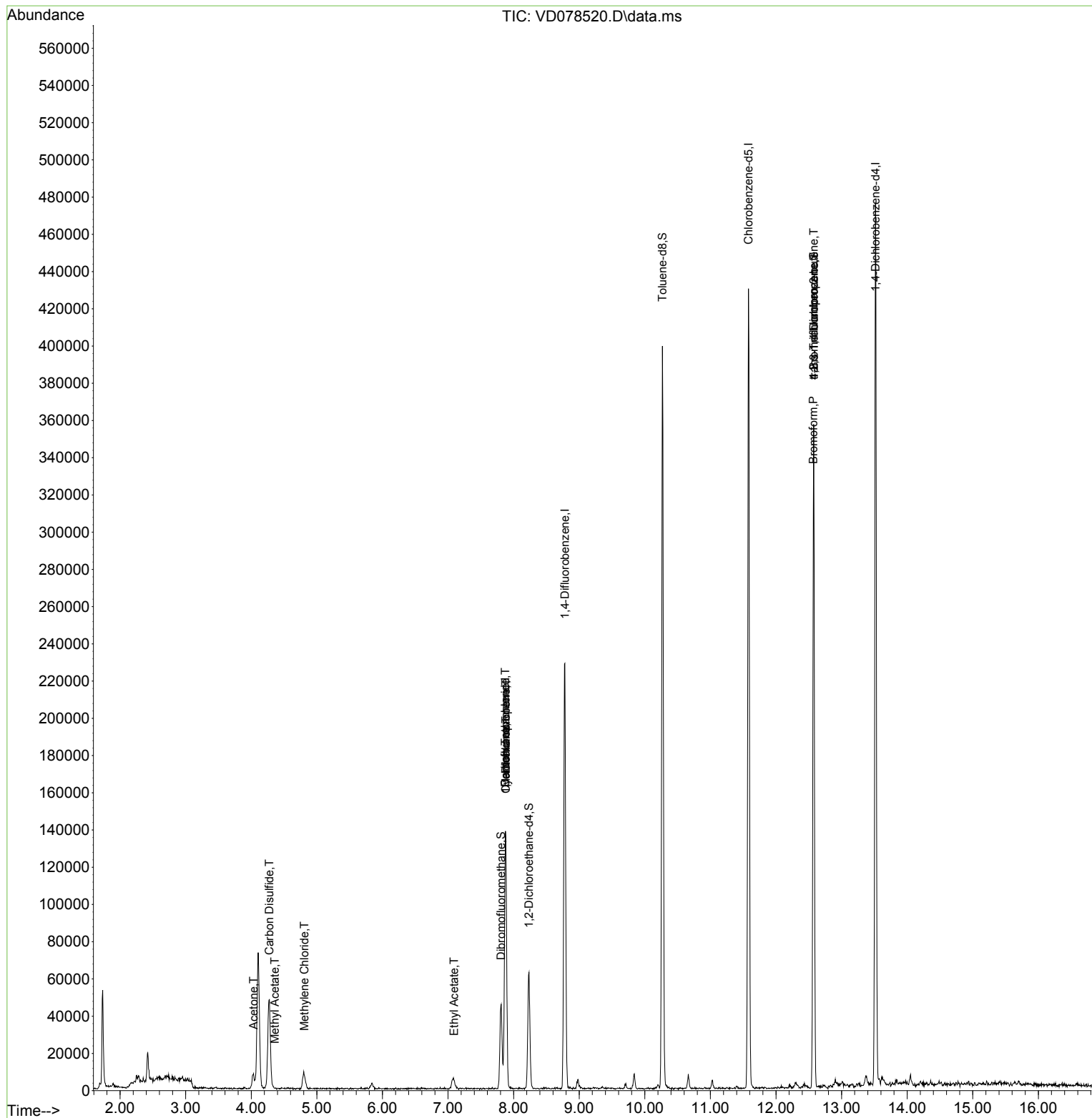
Internal Standards						
1) Pentafluorobenzene	7.875	168	109046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	211125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	259950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47022	39.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.760%		
35) Dibromofluoromethane	7.810	113	34635	25.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	51.660%#		
50) Toluene-d8	10.269	98	275256	51.308	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.620%		
62) 4-Bromofluorobenzene	12.575	95	106938	68.498	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	137.000%		
Target Compounds					Qvalue	
16) Acetone	4.034	43	13118	36.799	ug/l	99
17) Carbon Disulfide	4.275	76	100752	25.188	ug/l	97
18) Methyl Acetate	4.358	43	55	4.000	ug/l #	42
20) Methylene Chloride	4.811	84	6399	1.813	ug/l	91
23) Vinyl Acetate	6.187	43	55	Below Cal	#	63
25) 2-Butanone	7.093	43	3252	Below Cal	#	80
31) Cyclohexane	7.881	56	2221	1.114	ug/l #	30
36) 1,1-Dichloropropene	7.881	75	8978	4.309	ug/l #	48
37) Ethyl Acetate	7.093	43	3252	4.453	ug/l #	62
38) Carbon Tetrachloride	7.875	117	10656	5.165	ug/l #	11
71) Bromoform	12.569	173	1091	1.079	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	54787	50.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54787	105.621	ug/l #	17

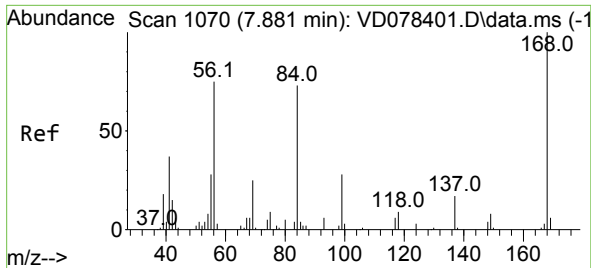
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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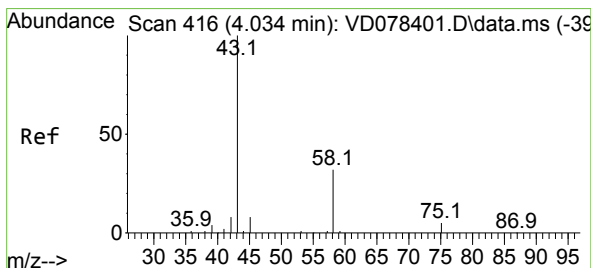
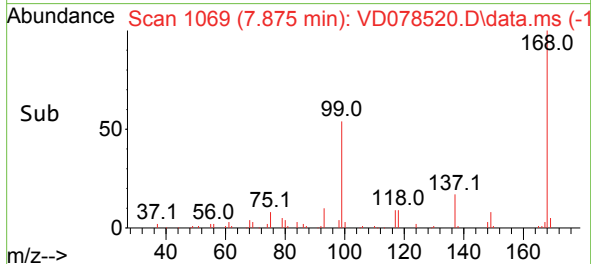
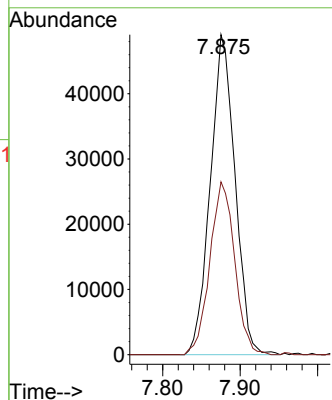
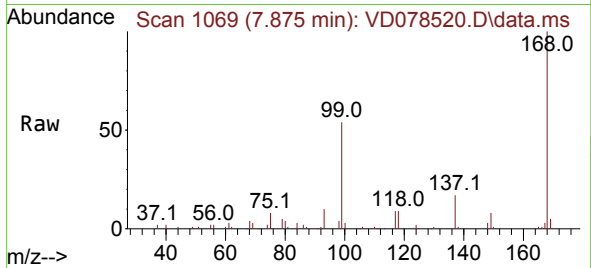




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

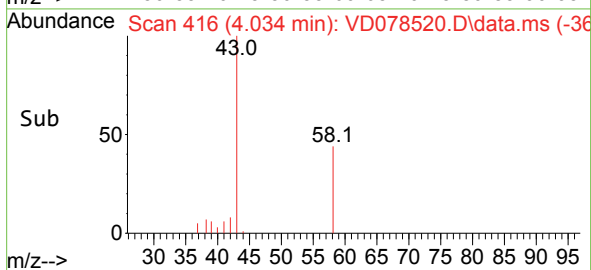
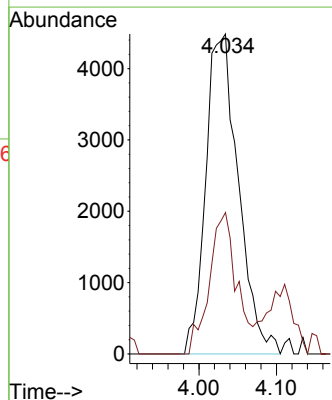
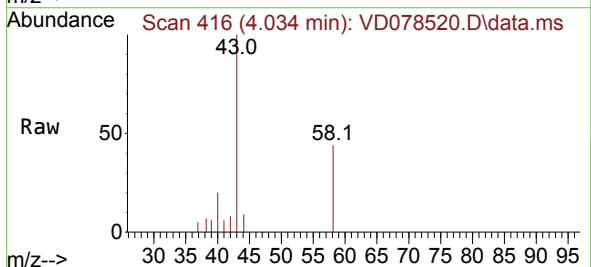
Instrument : MSVOA_D
ClientSampleId : 20241104-AMENDED-COMPOSITE-35N-N-4-03

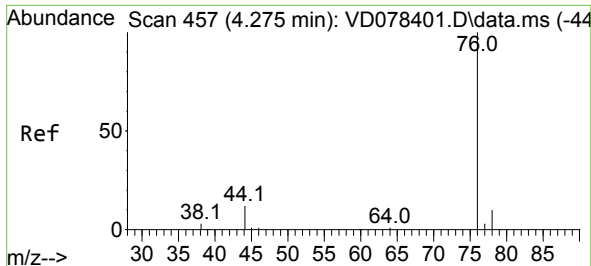
Tgt Ion:168 Resp: 109046
Ion Ratio Lower Upper
168 100
99 54.0 36.7 55.1



#16
Acetone
Concen: 36.799 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.000 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 43 Resp: 13118
Ion Ratio Lower Upper
43 100
58 44.2 34.7 52.1





#17
Carbon Disulfide
Concen: 25.188 ug/l
RT: 4.275 min Scan# 411
Delta R.T. 0.000 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

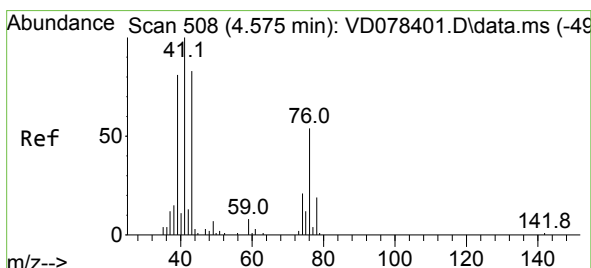
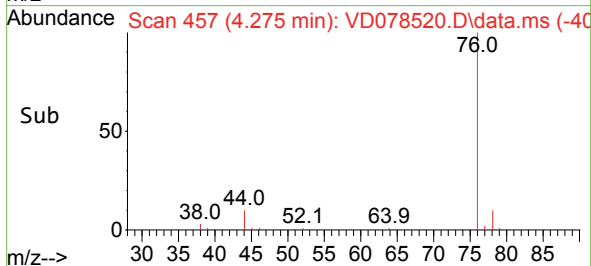
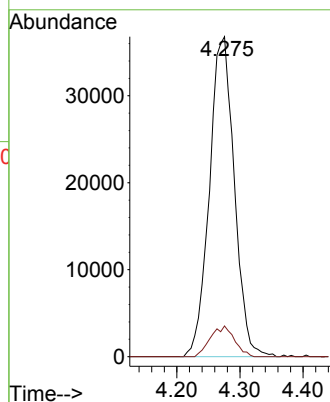
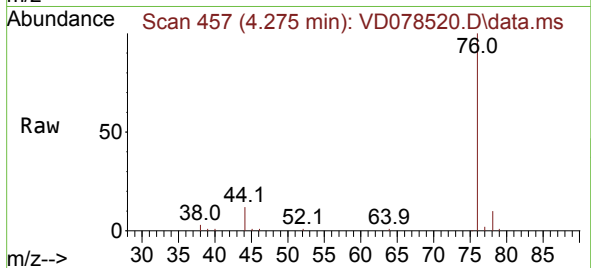
Instrument :

MSVOA_D

ClientSampleId :

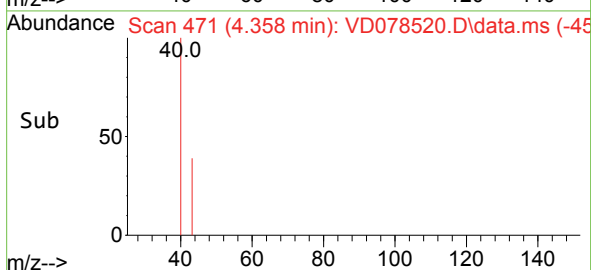
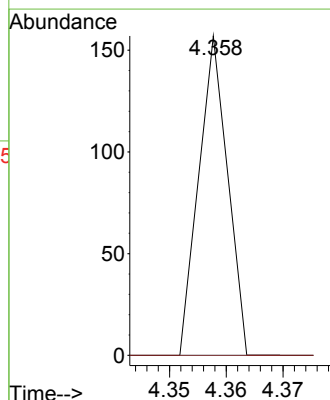
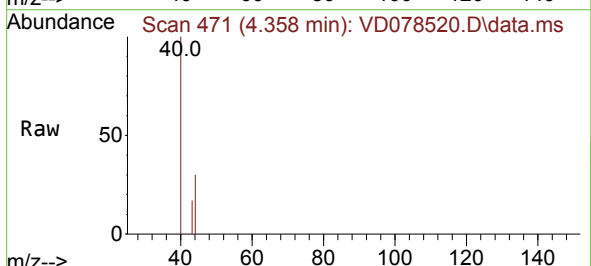
20241104-AMENDED-COMPOSITE-35N-N-4-03

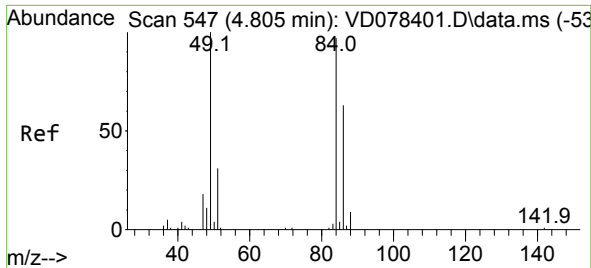
Tgt Ion: 76 Resp: 100752
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 4.000 ug/l
RT: 4.358 min Scan# 471
Delta R.T. -0.217 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





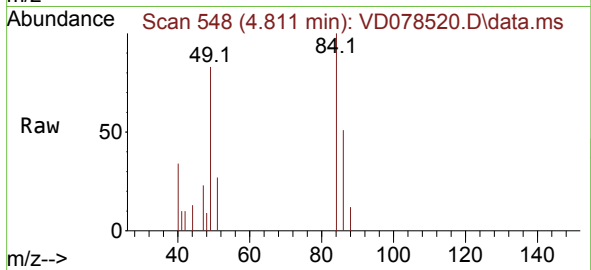
#20
Methylene Chloride
Concen: 1.813 ug/l
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Instrument :

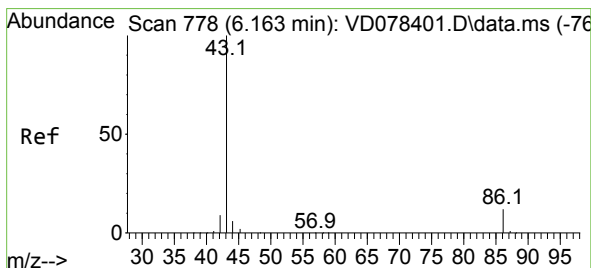
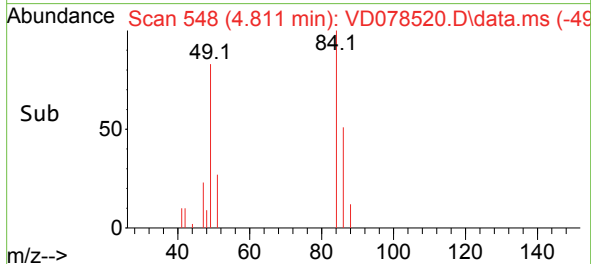
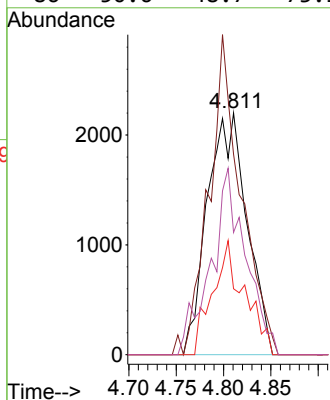
MSVOA_D

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

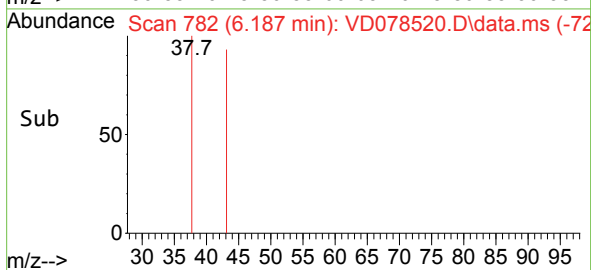
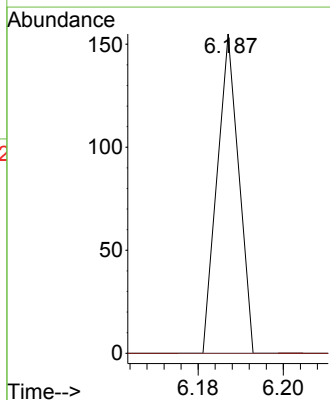
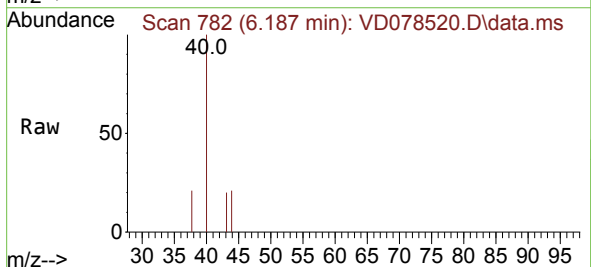


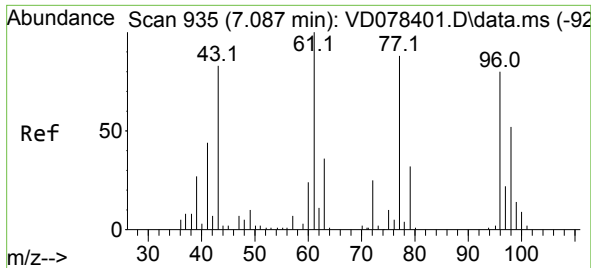
Tgt Ion: 84	Resp: 6399
Ion Ratio	Lower Upper
84 100	
49 82.9	71.4 107.2
51 27.2	24.5 36.7
86 50.6	48.7 73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.187 min Scan# 782
Delta R.T. 0.024 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 43	Resp: 55		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	12.5	18.7#	

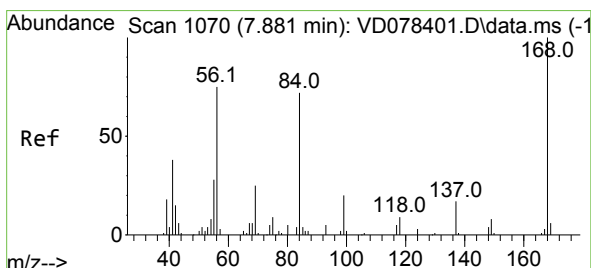
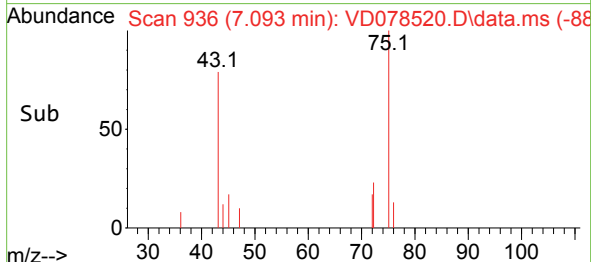
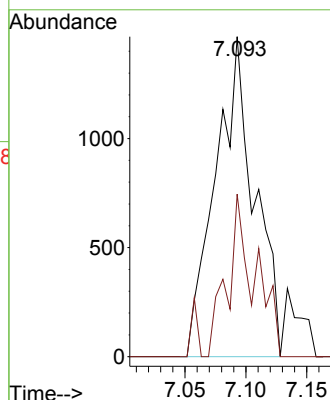
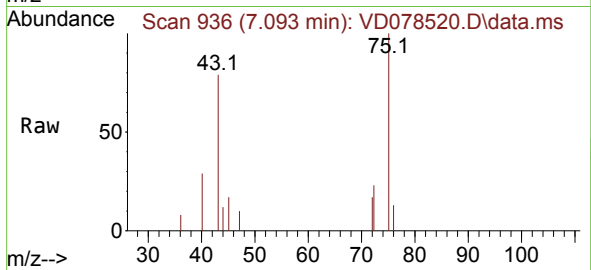




#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

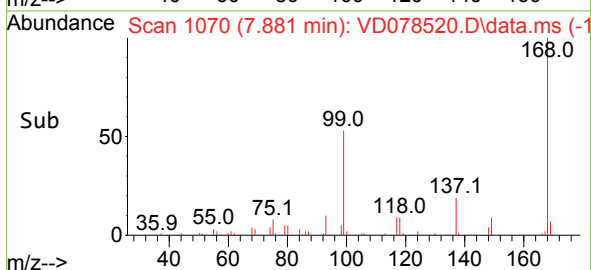
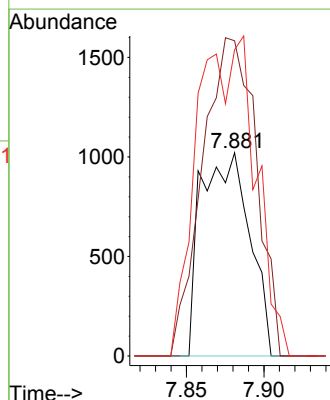
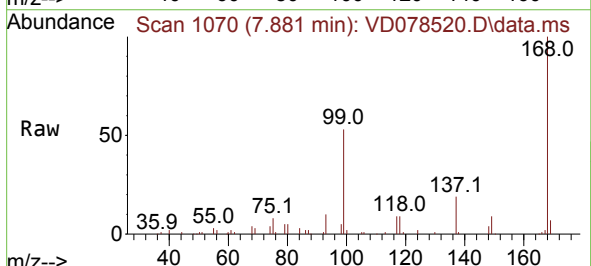
Instrument :
MSVOA_D
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03

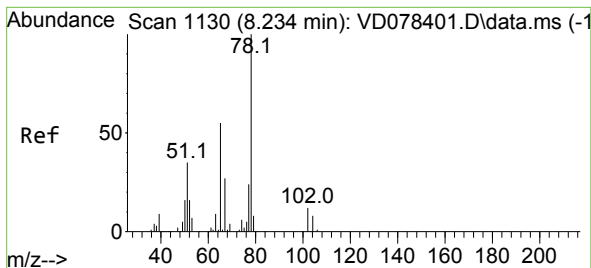
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
72 50.8 30.7 46.1#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 56 Resp: 2221
Ion Ratio Lower Upper
56 100
69 155.1 28.6 43.0#
84 131.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.881 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078520.D

Acq: 22 Feb 2024 16:30

Instrument :

MSVOA_D

ClientSampleId :

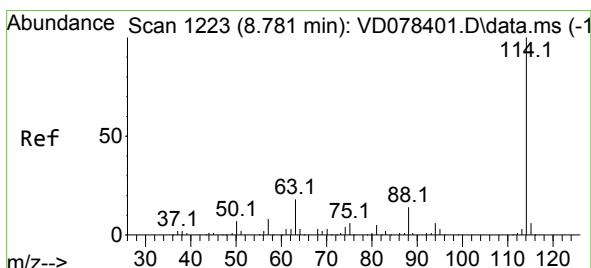
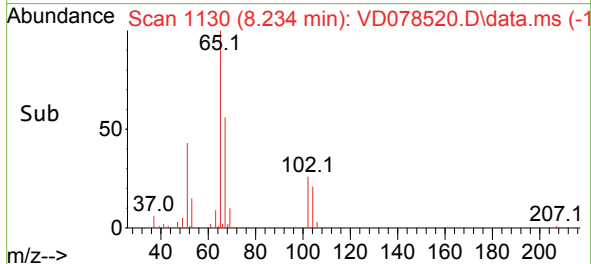
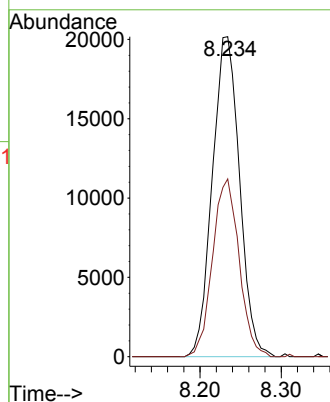
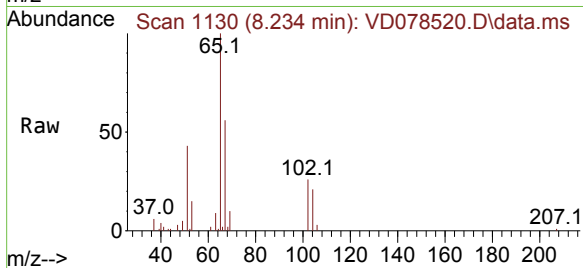
20241104-AMENDED-COMPOSITE-35N-N-4-03

Tgt Ion: 65 Resp: 47022

Ion Ratio Lower Upper

65 100

67 54.2 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: VD078520.D

Acq: 22 Feb 2024 16:30

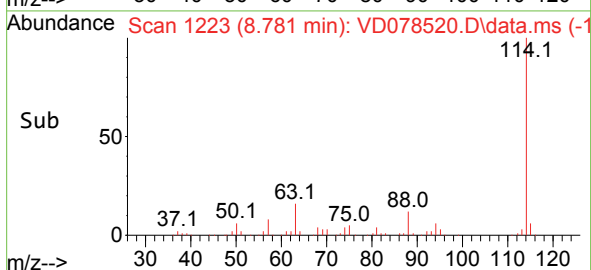
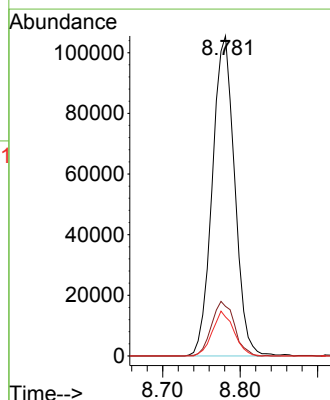
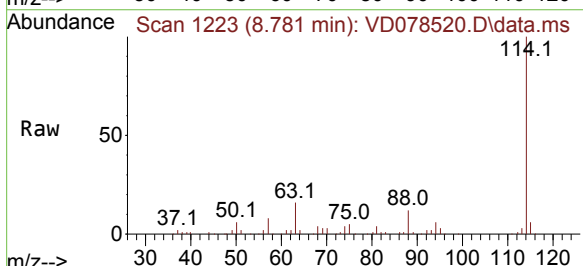
Tgt Ion: 114 Resp: 211125

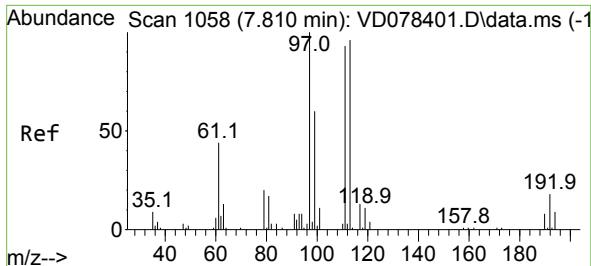
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.4

88 12.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 25.826 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078520.D

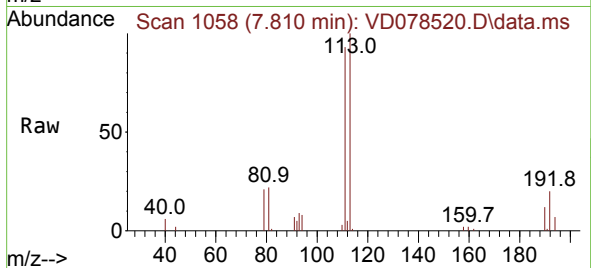
Acq: 22 Feb 2024 16:30

Instrument :

MSVOA_D

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03



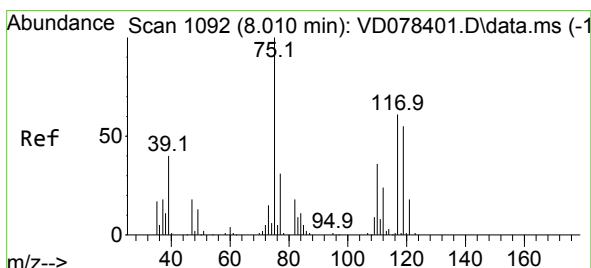
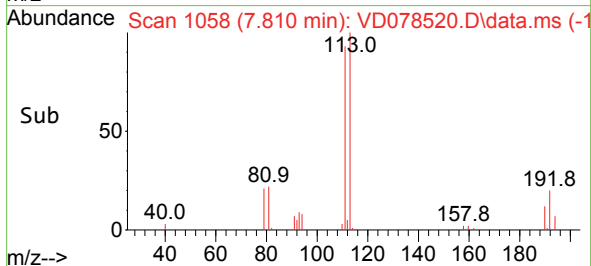
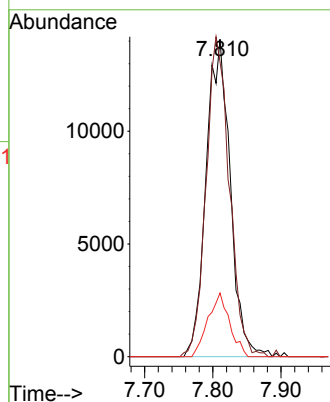
Tgt Ion:113 Resp: 34635

Ion Ratio Lower Upper

113 100

111 97.4 84.7 127.1

192 18.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078520.D

Acq: 22 Feb 2024 16:30

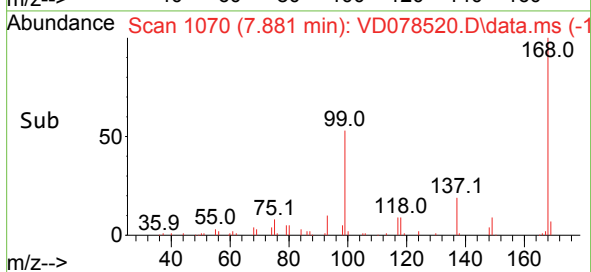
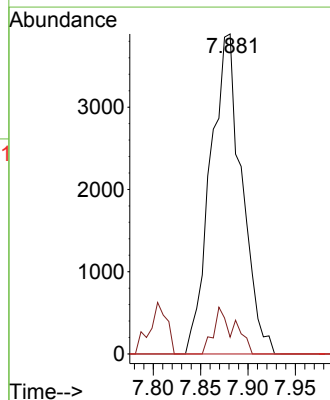
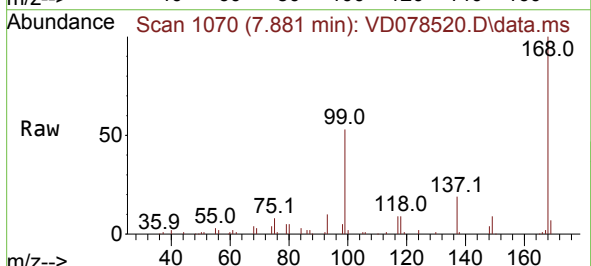
Tgt Ion: 75 Resp: 8978

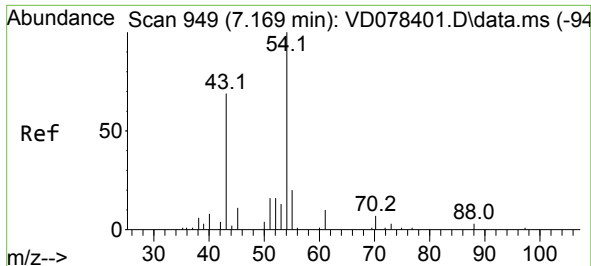
Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

77 0.0 24.7 37.1#

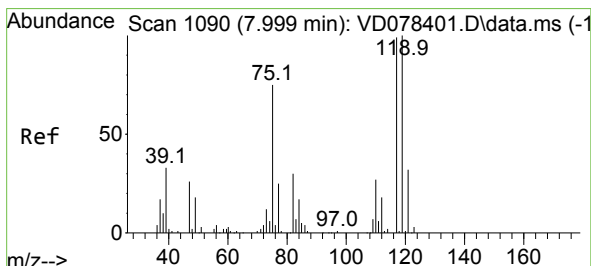
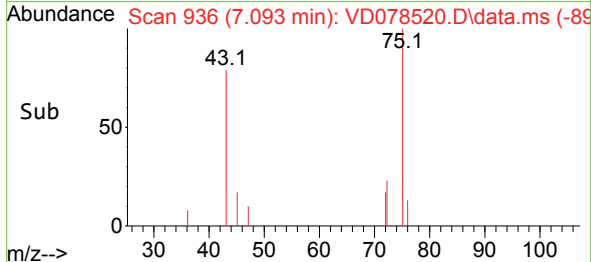
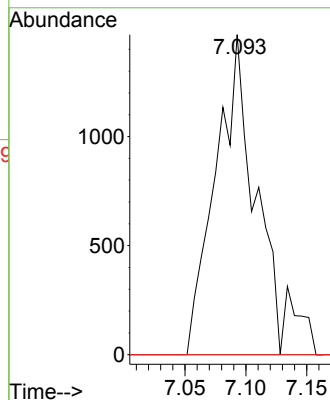
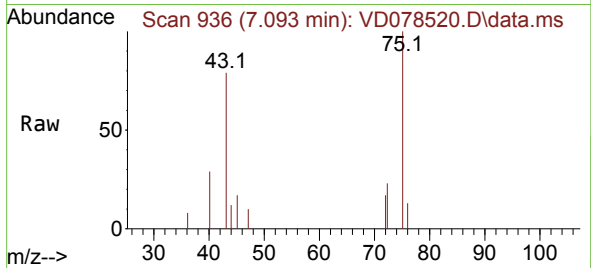




#37
Ethyl Acetate
Concen: 4.453 ug/l
RT: 7.093 min Scan# 91
Delta R.T. -0.076 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

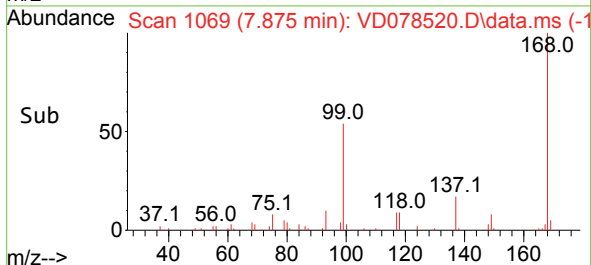
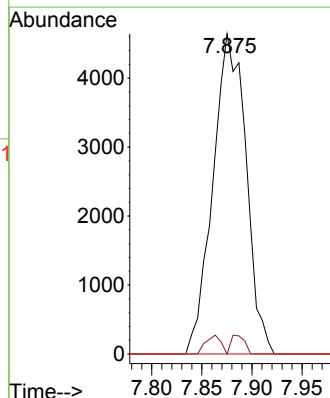
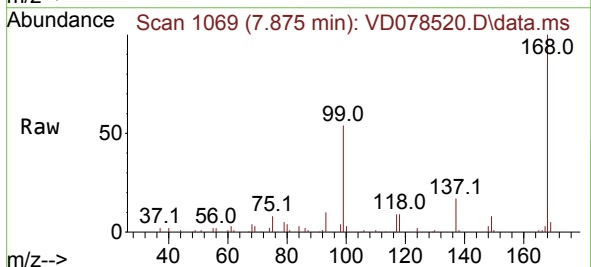
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20241104-AMENDED-COMPOSITE-35N-N-4-03

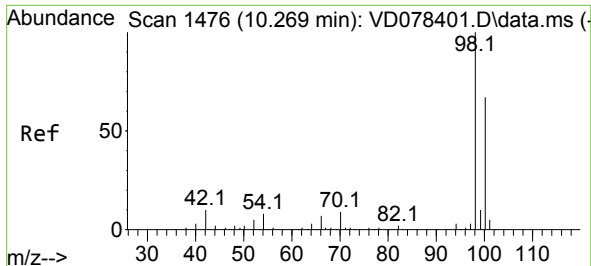
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.165 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 117 Resp: 10656
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#





#50
Toluene-d8
Concen: 51.308 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

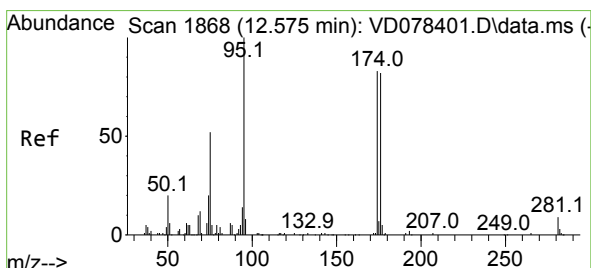
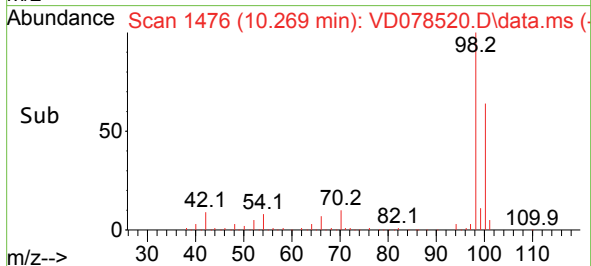
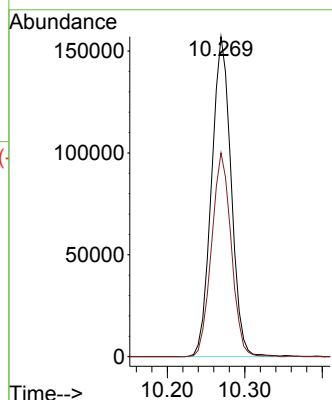
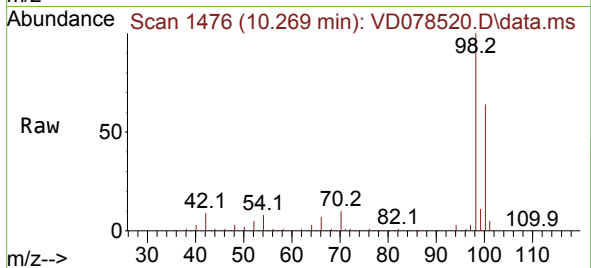
Instrument :

MSVOA_D

ClientSampleId :

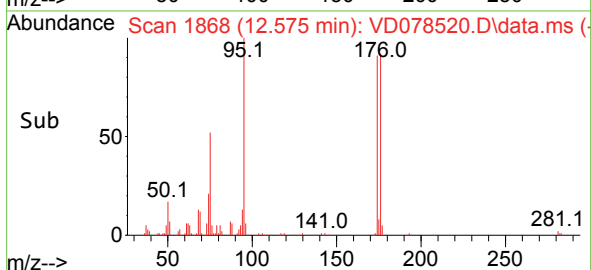
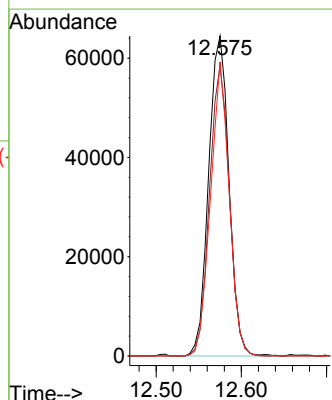
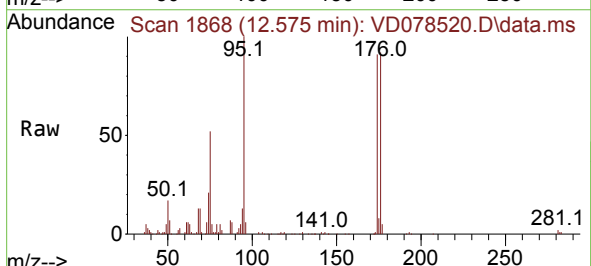
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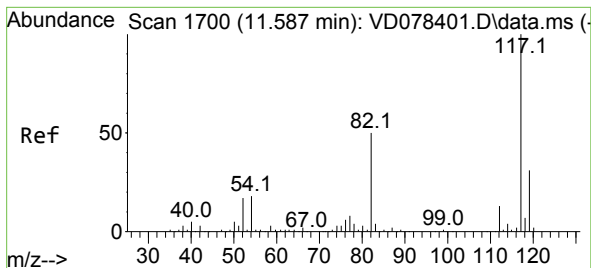
Tgt Ion: 98 Resp: 275256
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 68.498 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion: 95 Resp: 106938
Ion Ratio Lower Upper
95 100
174 88.5 0.0 201.8
176 84.2 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

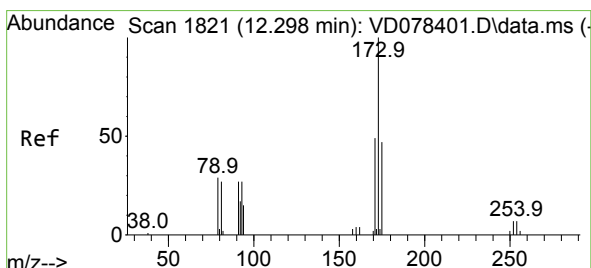
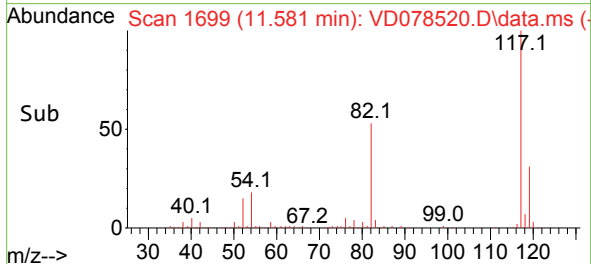
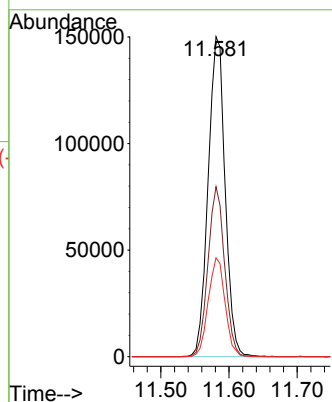
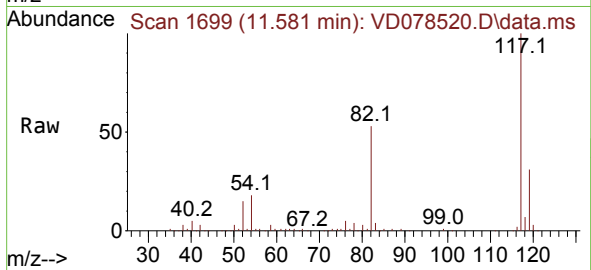
Instrument :

MSVOA_D

ClientSampleId :

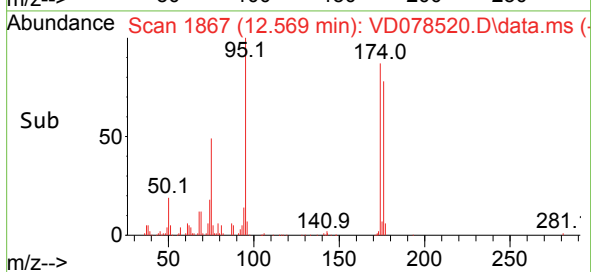
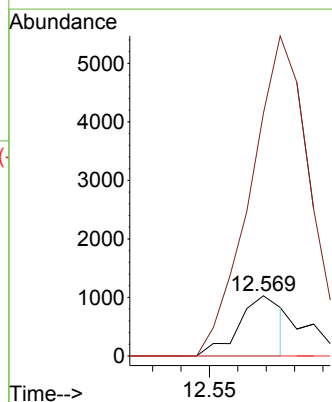
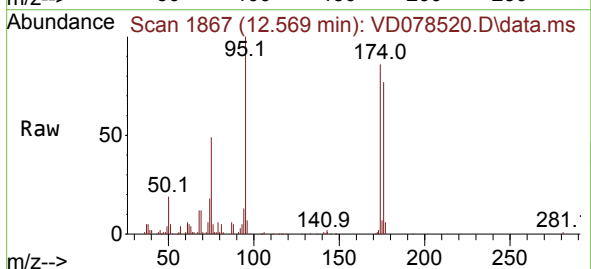
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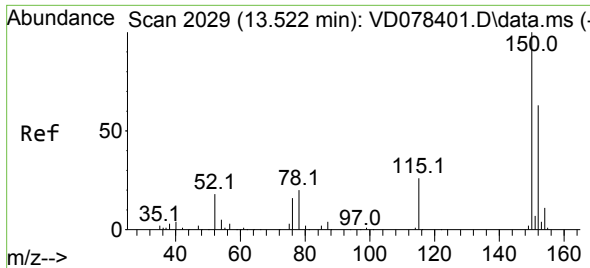
Tgt Ion:117 Resp: 259950
Ion Ratio Lower Upper
117 100
82 53.1 38.3 57.5
119 30.9 25.0 37.4



#71
Bromoform
Concen: 1.079 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD078520.D
Acq: 22 Feb 2024 16:30

Tgt Ion:173 Resp: 1091
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: VD078520.D
 Acq: 22 Feb 2024 16:30

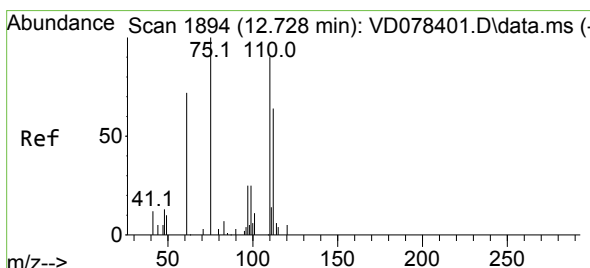
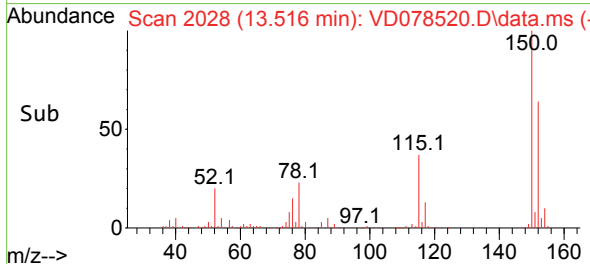
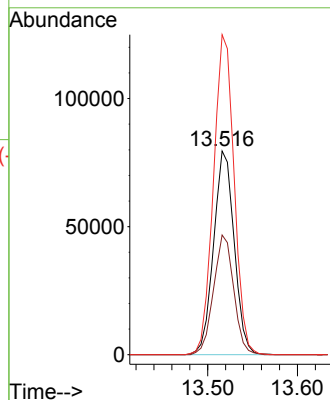
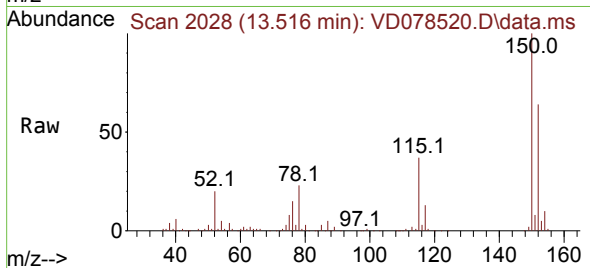
Instrument :

MSVOA_D

ClientSampleId :

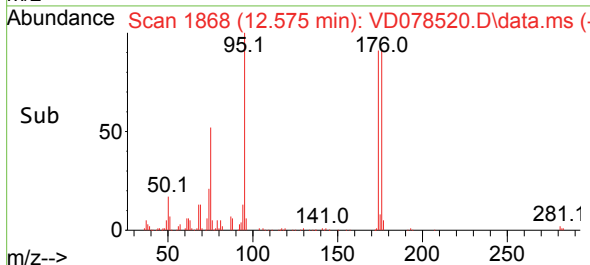
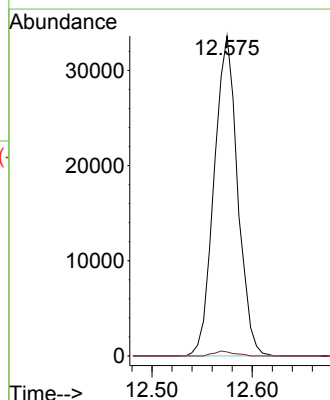
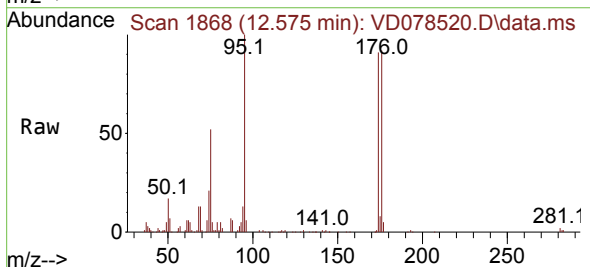
20241104-AMENDED-COMPOSITE-35N-N-4-03

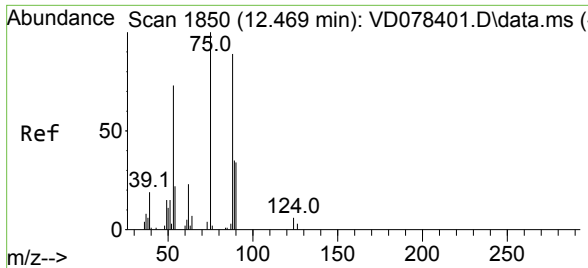
Tgt Ion:152 Resp: 126843
 Ion Ratio Lower Upper
 152 100
 115 57.5 27.1 81.3
 150 157.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 50.877 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078520.D
 Acq: 22 Feb 2024 16:30

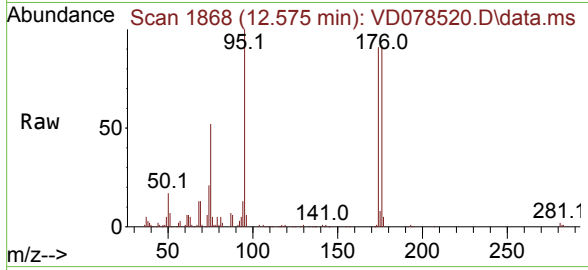
Tgt Ion: 75 Resp: 54787
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.621 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078520.D
 Acq: 22 Feb 2024 16:30

Instrument : MSVOA_D
 ClientSampleId : 20241104-AMENDED-COMPOSITE-35N-N-4-03



Tgt Ion:	75	Resp:	54787
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

