

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078478.D
 Acq On : 20 Feb 2024 12:52
 Operator : RP/MD
 Sample : P1523-08
 Misc : 5.08G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240768-AMENDED-COMP-39N-N-3-03

Quant Time: Feb 21 05:22:40 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)

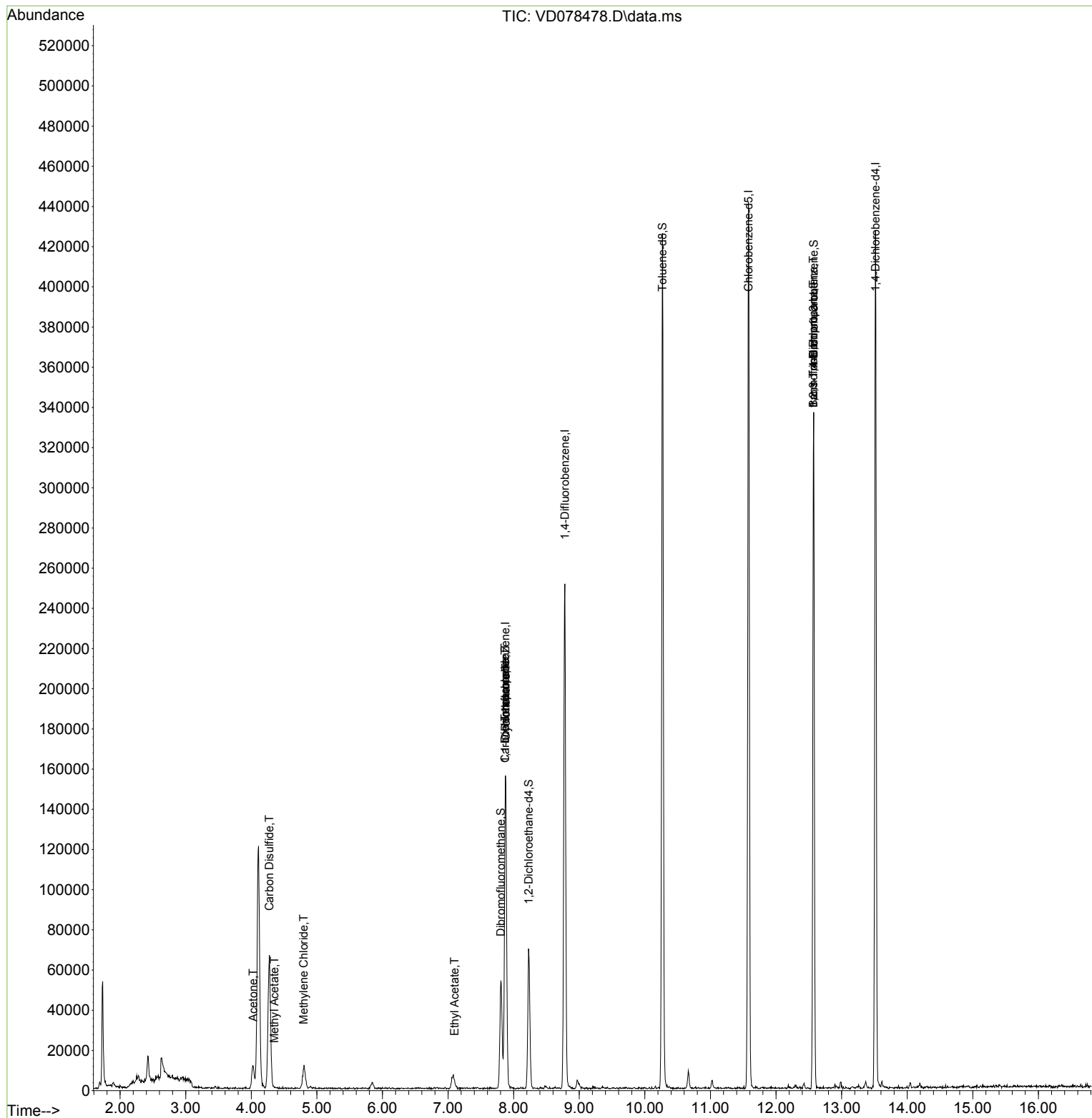
Internal Standards						
1) Pentafluorobenzene	7.875	168	119776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	231969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	260870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50671	39.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.260%		
35) Dibromofluoromethane	7.804	113	40574	27.536	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	55.080%		
50) Toluene-d8	10.269	98	292856	49.684	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.360%		
62) 4-Bromofluorobenzene	12.575	95	102293	59.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	119.280%		
Target Compounds						Qvalue
16) Acetone	4.028	43	19230	57.612	ug/l	91
17) Carbon Disulfide	4.275	76	135254	30.784	ug/l	100
18) Methyl Acetate	4.352	43	64	4.004	ug/l #	42
20) Methylene Chloride	4.799	84	8942	3.203	ug/l #	90
23) Vinyl Acetate	5.916	43	53	Below Cal	#	63
25) 2-Butanone	7.099	43	4553	Below Cal	#	71
31) Cyclohexane	7.881	56	2933	1.339	ug/l #	52
36) 1,1-Dichloropropene	7.869	75	10173	4.444	ug/l #	48
37) Ethyl Acetate	7.099	43	4553	5.674	ug/l #	65
38) Carbon Tetrachloride	7.869	117	12101	5.338	ug/l #	15
71) Bromoform	12.569	173	1333	1.314	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	54322	54.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	54322	112.507	ug/l #	17

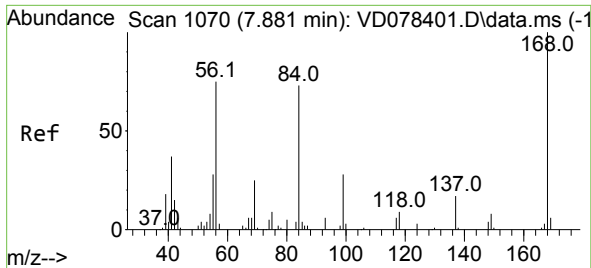
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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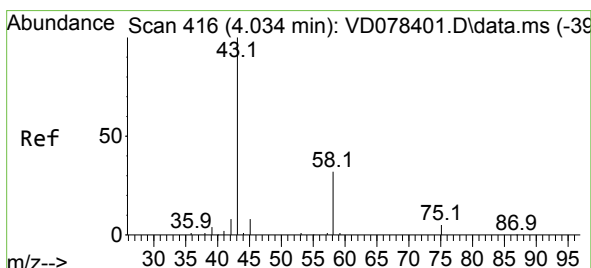
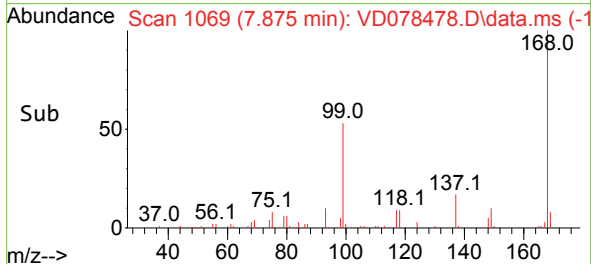
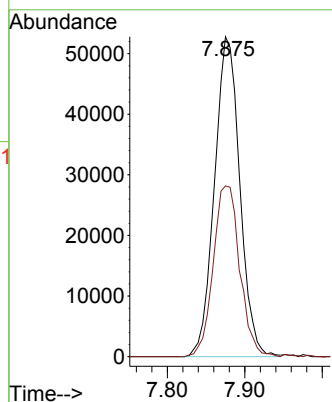
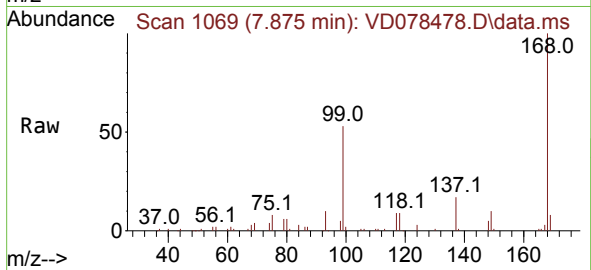




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

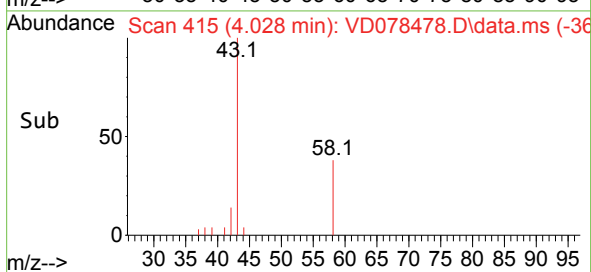
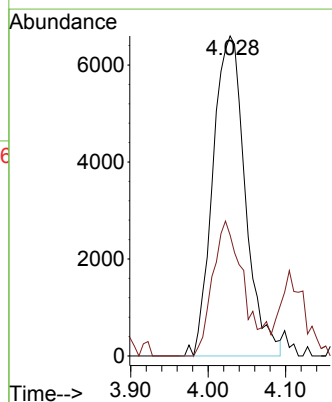
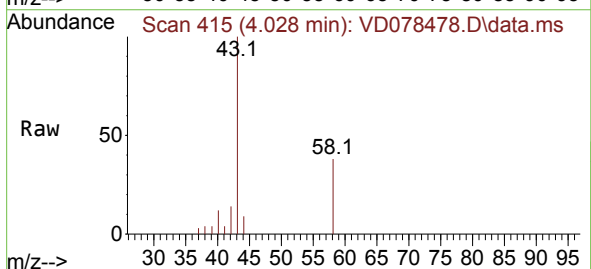
Instrument :
MSVOA_D
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03

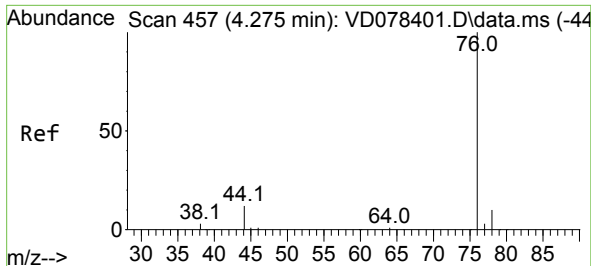
Tgt Ion:168 Resp: 119776
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1



#16
Acetone
Concen: 57.612 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion: 43 Resp: 19230
Ion Ratio Lower Upper
43 100
58 37.7 34.7 52.1

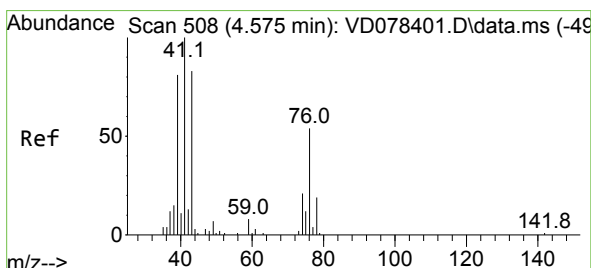
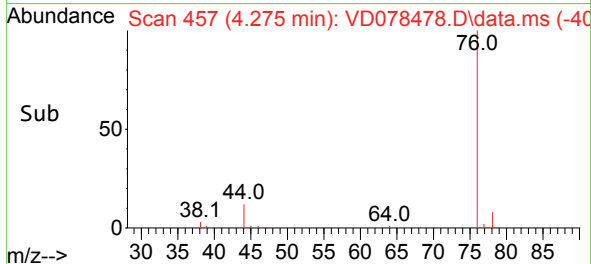
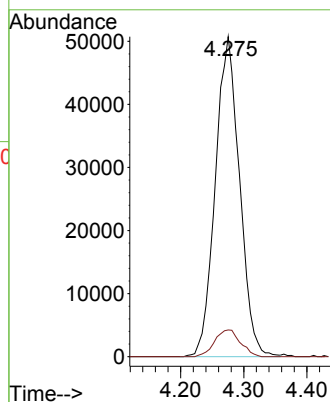
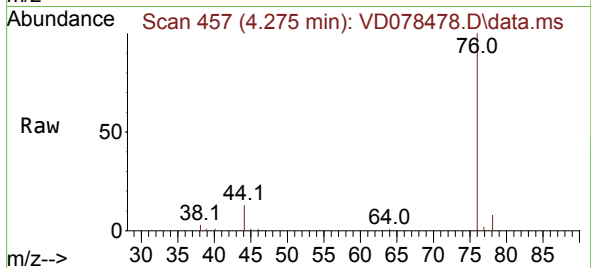




#17
Carbon Disulfide
Concen: 30.784 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

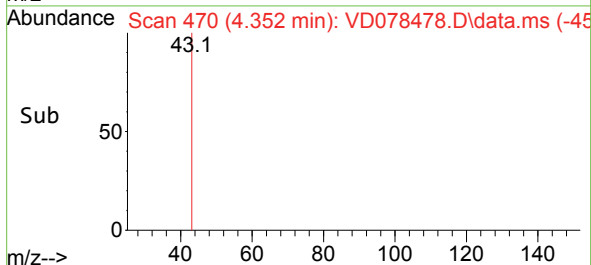
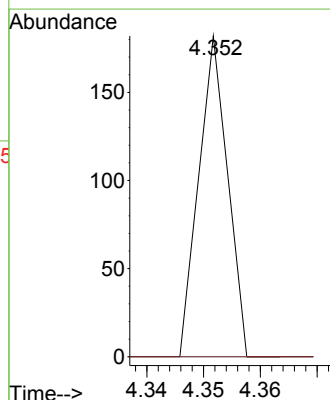
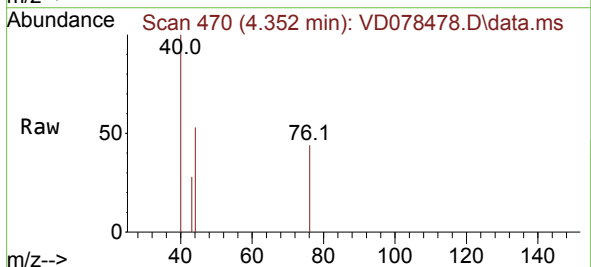
Instrument :
MSVOA_D
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03

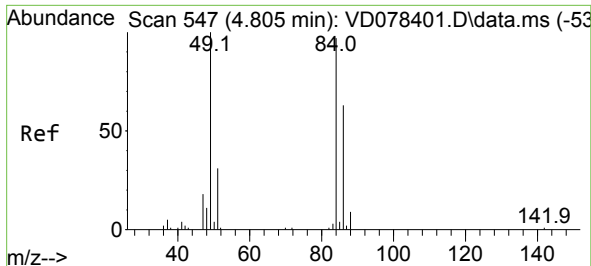
Tgt Ion: 76 Resp: 135254
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.004 ug/l
RT: 4.352 min Scan# 470
Delta R.T. -0.223 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

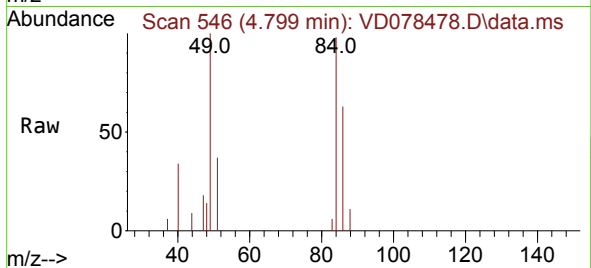
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



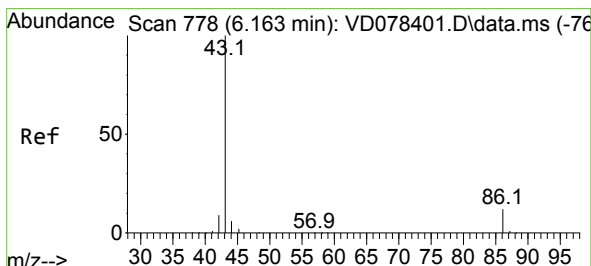
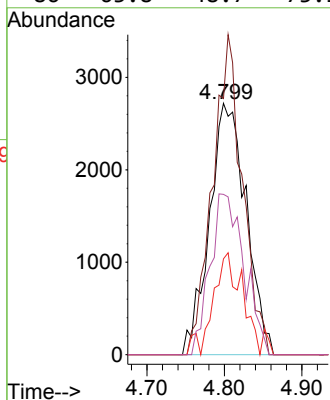
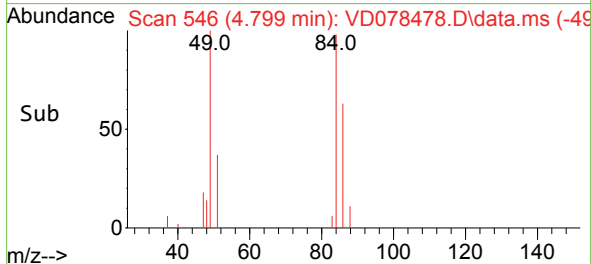


#20
Methylene Chloride
Concen: 3.203 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Instrument : MSVOA_D
ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03

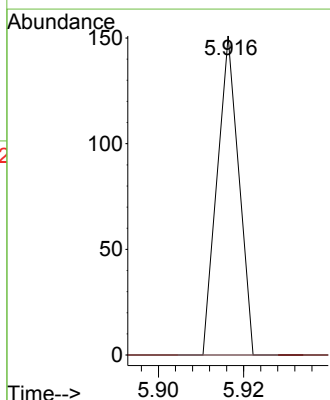
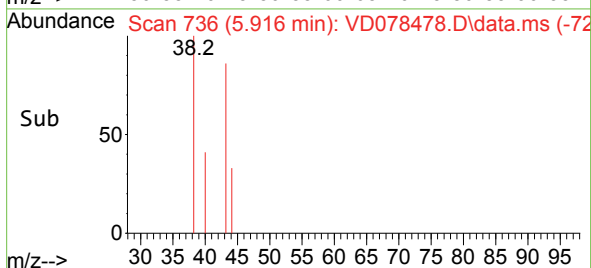
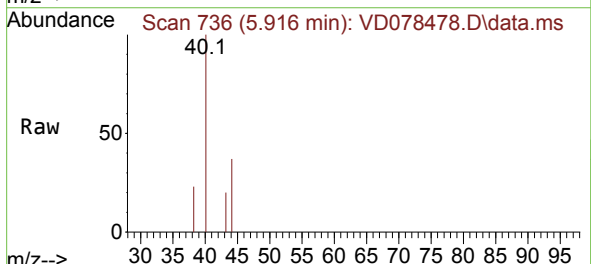


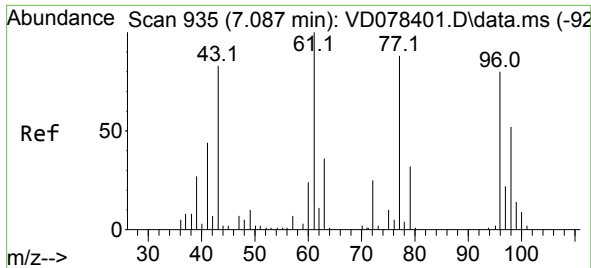
Tgt Ion: 84 Resp: 8942
Ion Ratio Lower Upper
84 100
49 101.9 71.4 107.2
51 38.1 24.5 36.7#
86 63.8 48.7 73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.916 min Scan# 736
Delta R.T. -0.247 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
86 0.0 12.5 18.7#

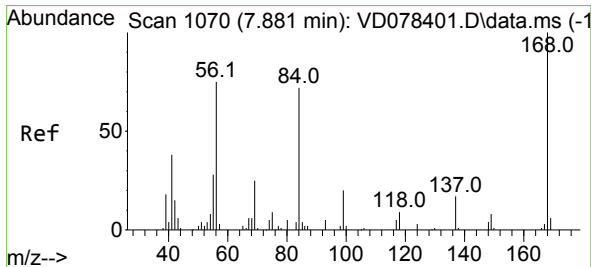
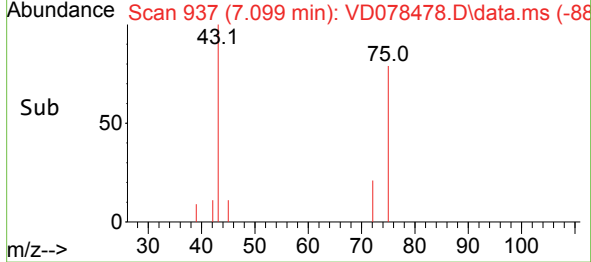
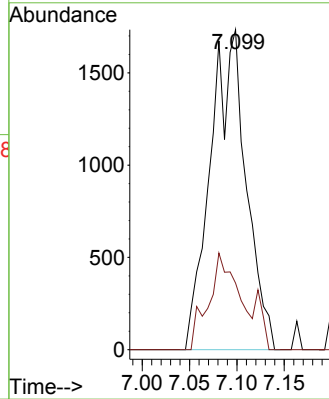
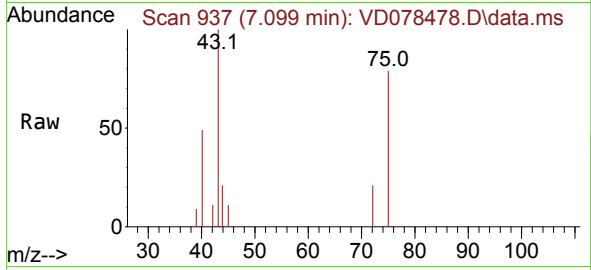




#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

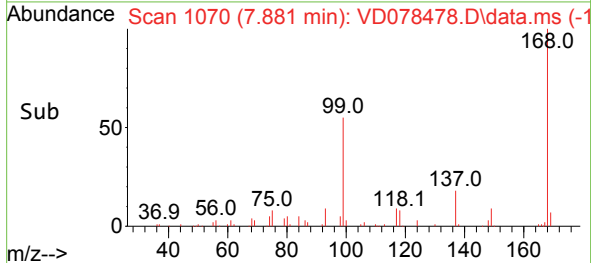
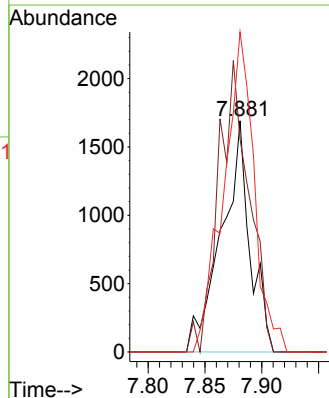
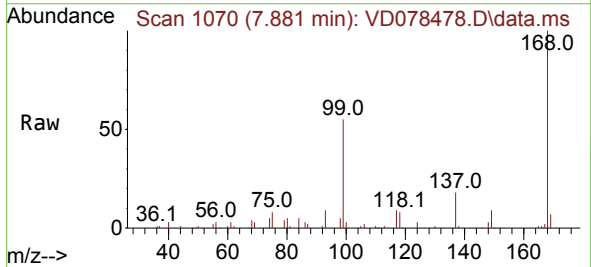
Instrument : MSVOA_D
ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03

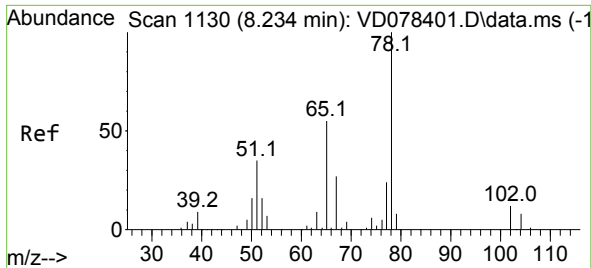
Tgt Ion: 43 Resp: 4553
Ion Ratio Lower Upper
43 100
72 20.8 30.7 46.1#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion: 56 Resp: 2933
Ion Ratio Lower Upper
56 100
69 92.1 28.6 43.0#
84 138.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.126 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078478.D

Acq: 20 Feb 2024 12:52

Instrument :

MSVOA_D

ClientSampleId :

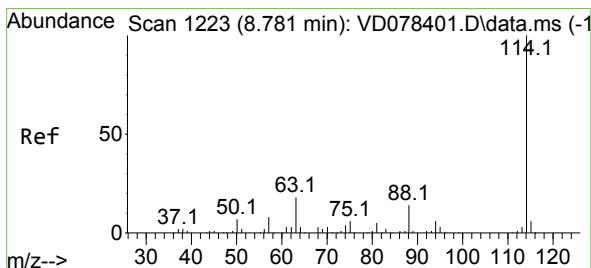
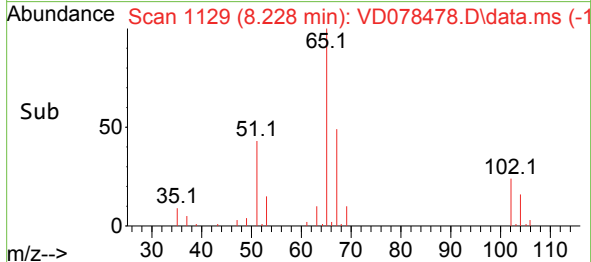
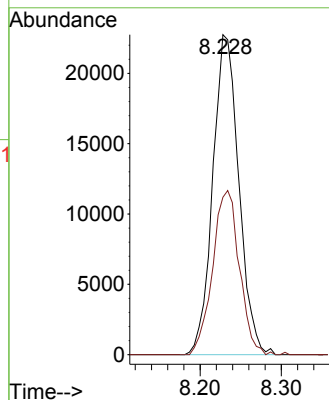
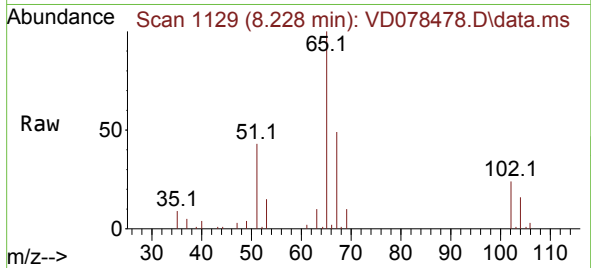
20240768-AMENDED-COMP-39N-N-3-03

Tgt Ion: 65 Resp: 50671

Ion Ratio Lower Upper

65 100

67 52.8 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: VD078478.D

Acq: 20 Feb 2024 12:52

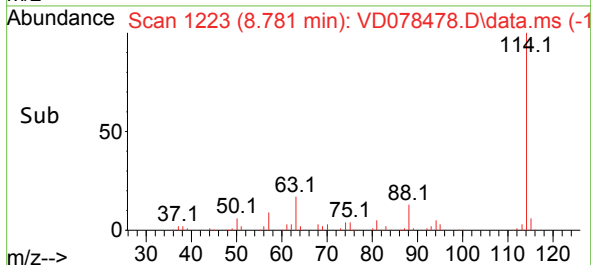
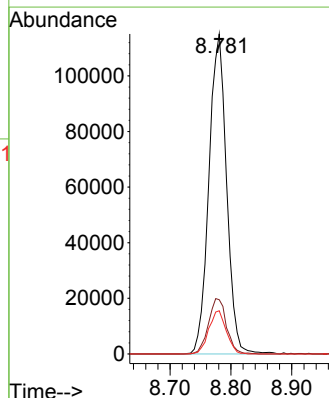
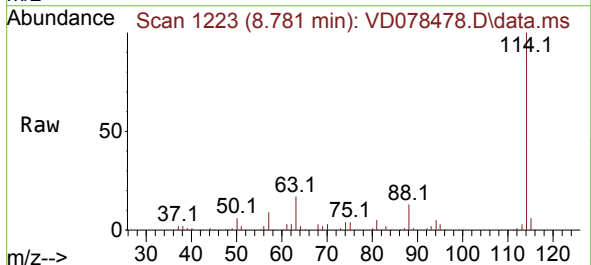
Tgt Ion: 114 Resp: 231969

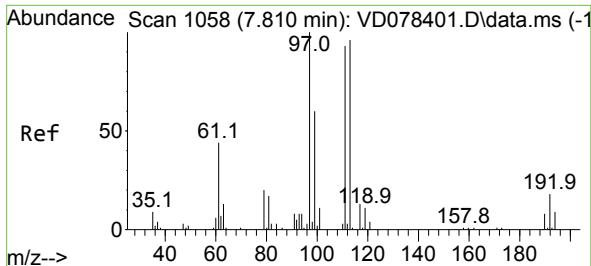
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 27.536 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078478.D

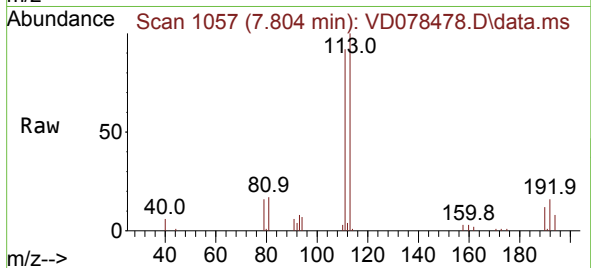
Acq: 20 Feb 2024 12:52

Instrument :

MSVOA_D

ClientSampleId :

20240768-AMENDED-COMP-39N-N-3-03



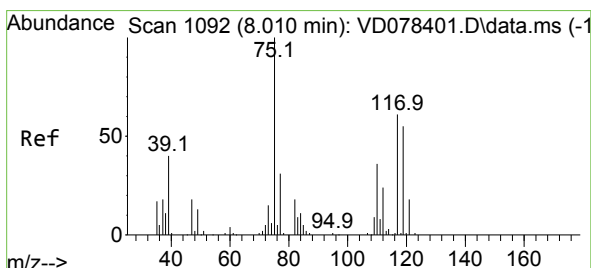
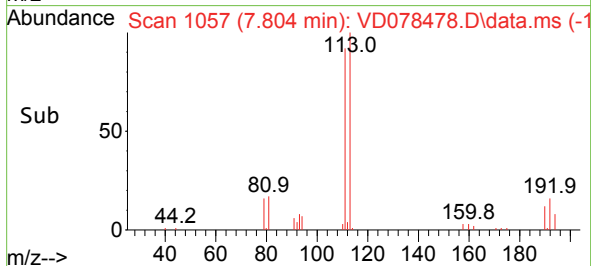
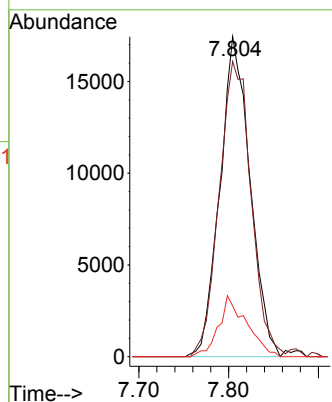
Tgt Ion:113 Resp: 40574

Ion Ratio Lower Upper

113 100

111 97.7 84.7 127.1

192 17.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.444 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078478.D

Acq: 20 Feb 2024 12:52

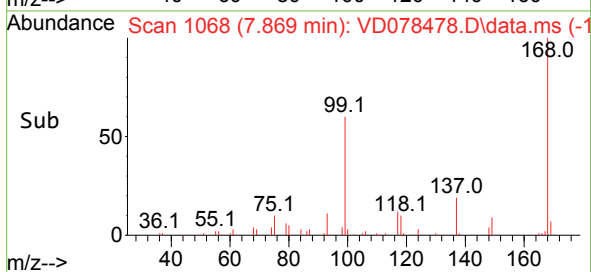
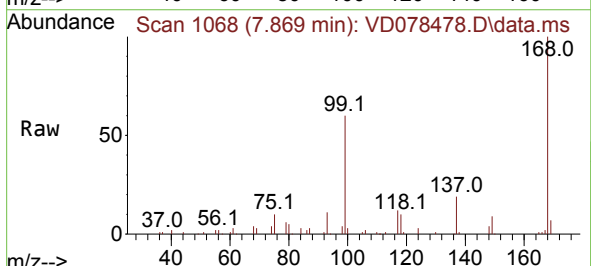
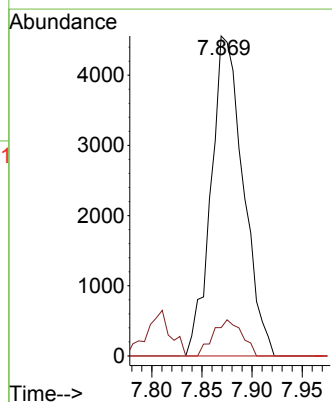
Tgt Ion: 75 Resp: 10173

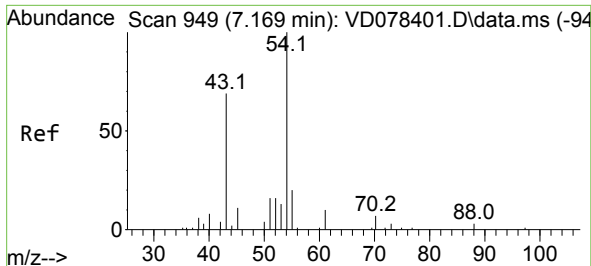
Ion Ratio Lower Upper

75 100

110 10.1 19.9 59.6#

77 0.0 24.7 37.1#

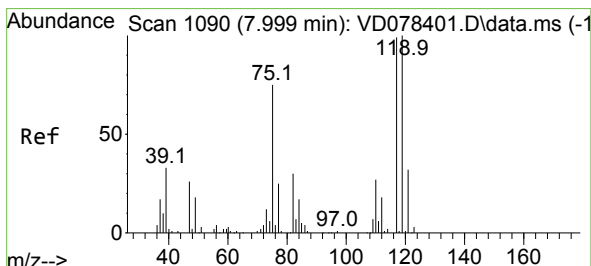
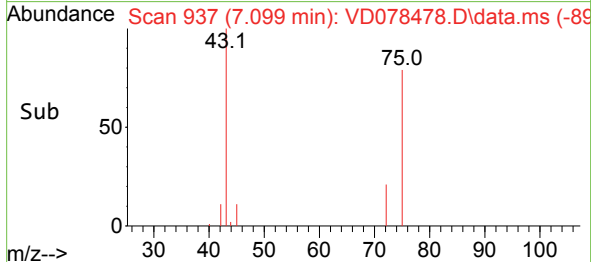
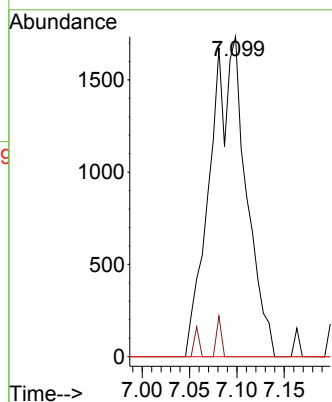
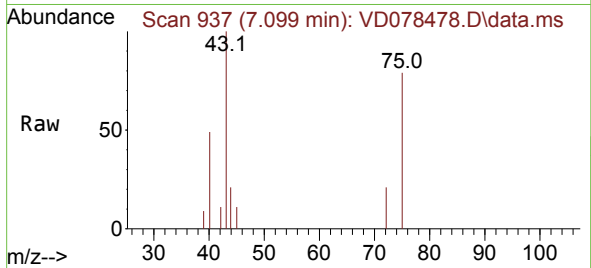




#37
Ethyl Acetate
Concen: 5.674 ug/l
RT: 7.099 min Scan# 91
Delta R.T. -0.071 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

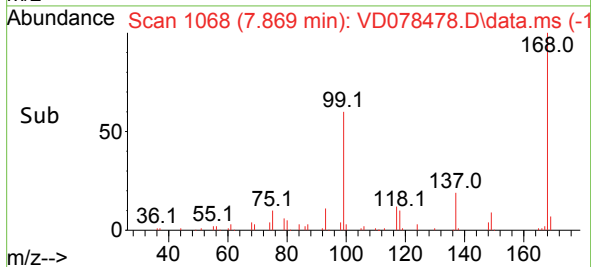
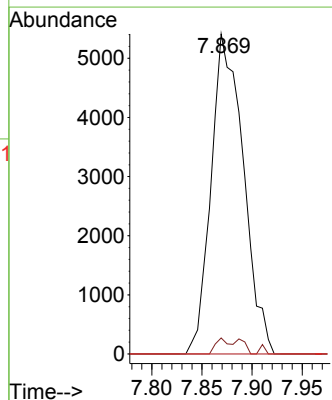
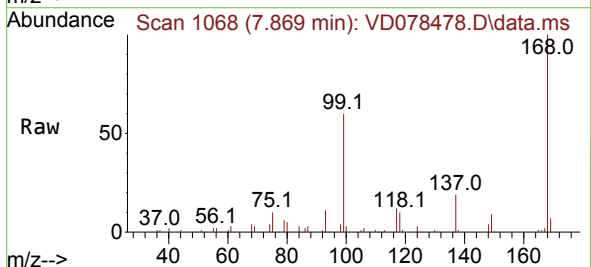
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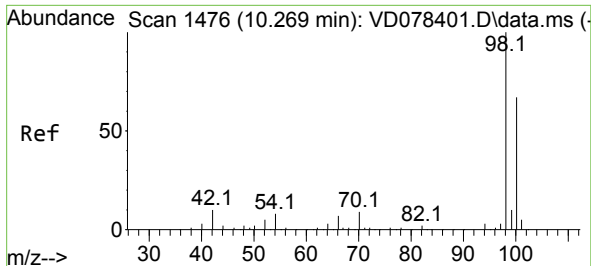
Tgt Ion: 43 Resp: 4553
Ion Ratio Lower Upper
43 100
61 1.7 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion: 117 Resp: 12101
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.2 36.2#

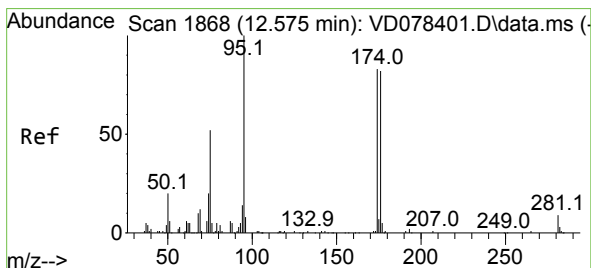
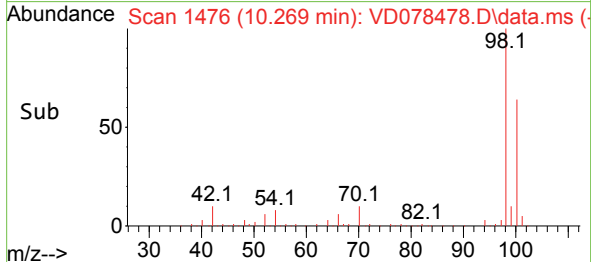
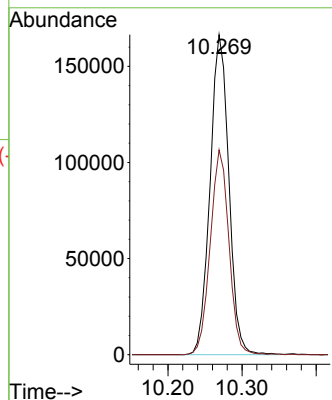
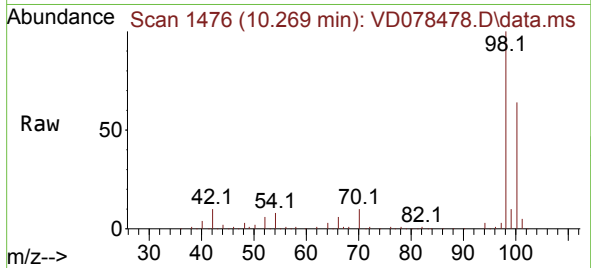




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

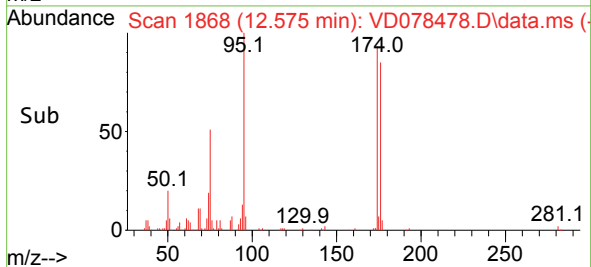
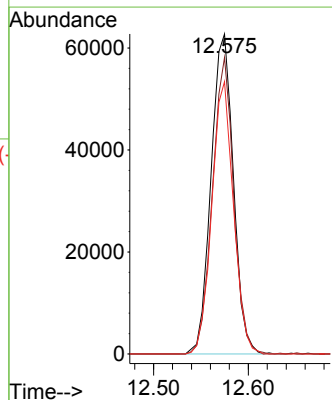
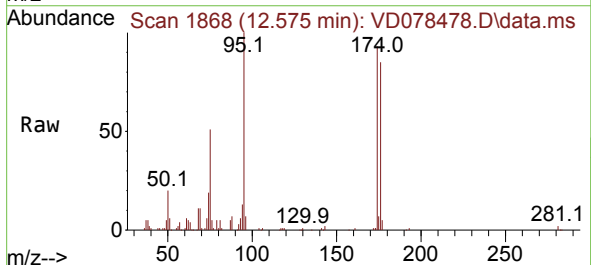
Instrument : MSVOA_D
ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03

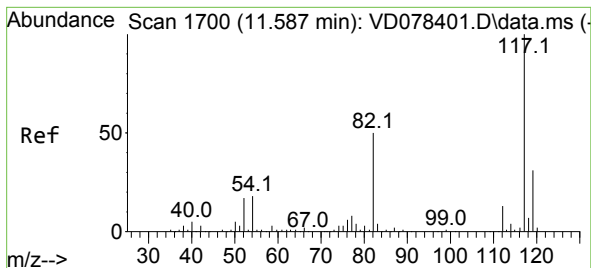
Tgt Ion: 98 Resp: 292856
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.635 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion: 95 Resp: 102293
Ion Ratio Lower Upper
95 100
174 88.6 0.0 201.8
176 82.7 0.0 191.8

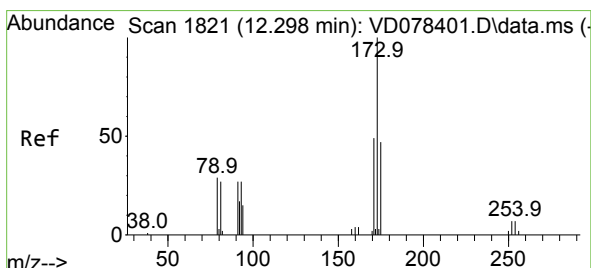
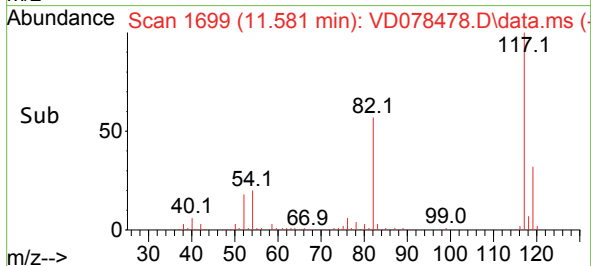
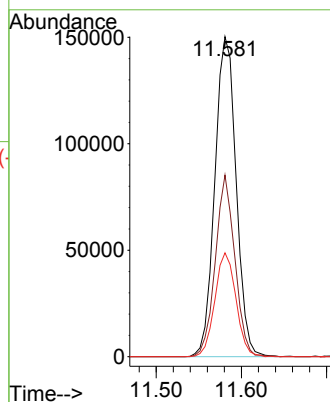
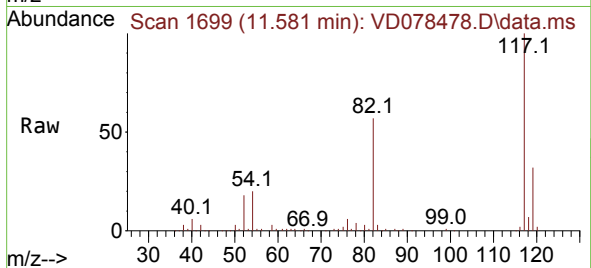




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

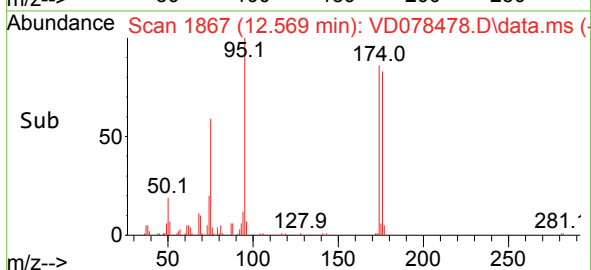
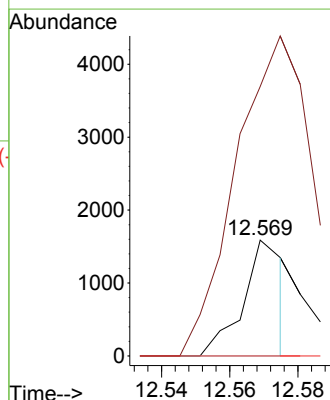
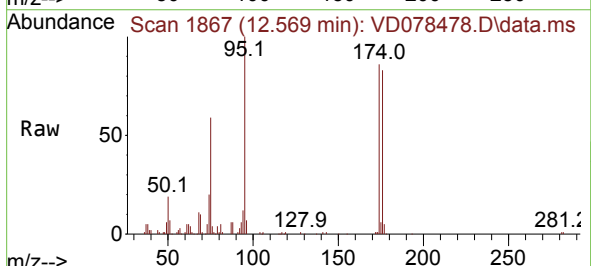
Instrument : MSVOA_D
ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03

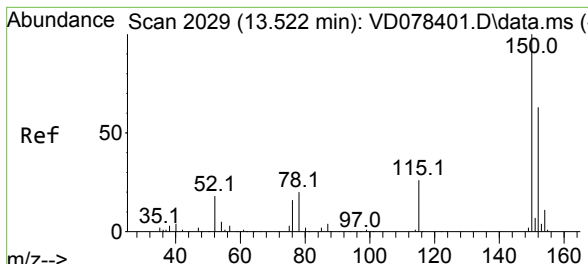
Tgt Ion:117 Resp: 260870
Ion Ratio Lower Upper
117 100
82 56.7 38.3 57.5
119 32.4 25.0 37.4



#71
Bromoform
Concen: 1.314 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD078478.D
Acq: 20 Feb 2024 12:52

Tgt Ion:173 Resp: 1333
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

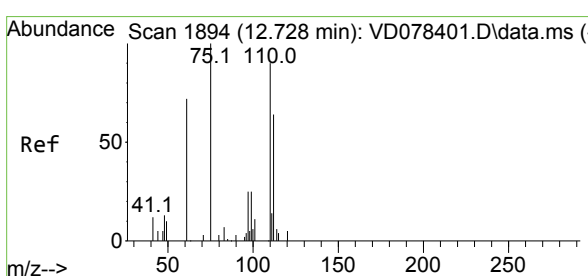
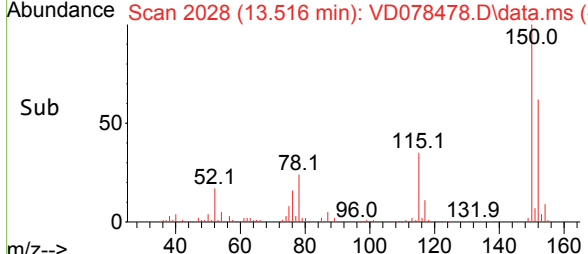
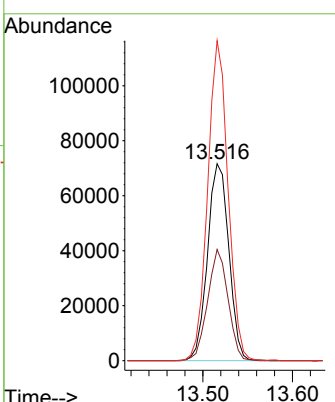
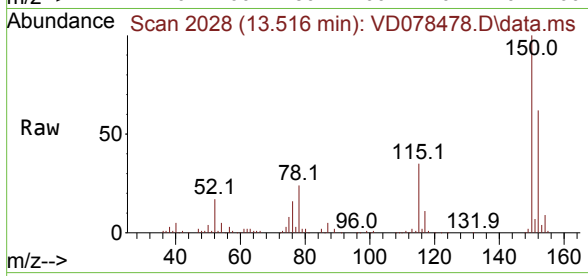




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078478.D
 Acq: 20 Feb 2024 12:52

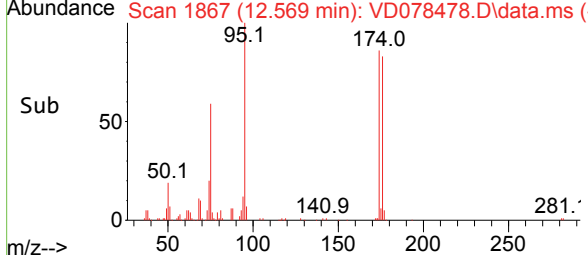
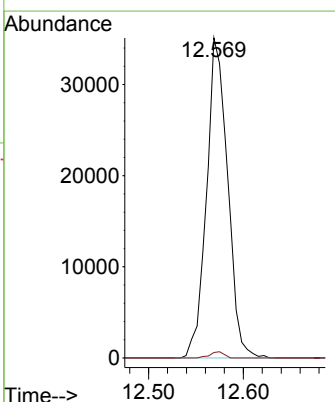
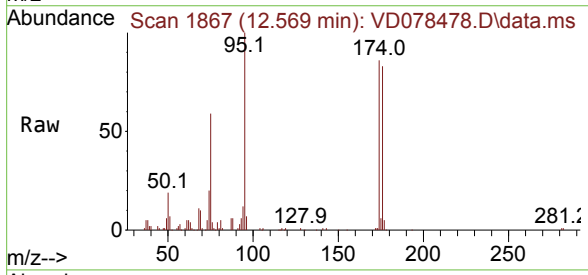
Instrument : MSVOA_D
 ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03

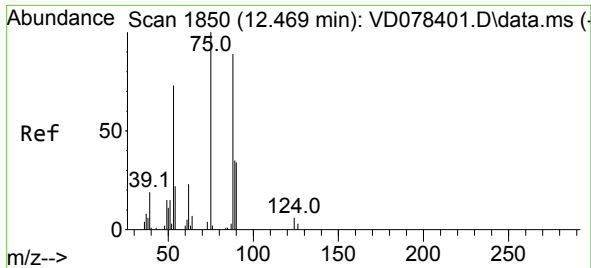
Tgt Ion:	152	Resp:	118069
Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.3
150	155.1	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 54.194 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.159 min
 Lab File: VD078478.D
 Acq: 20 Feb 2024 12:52

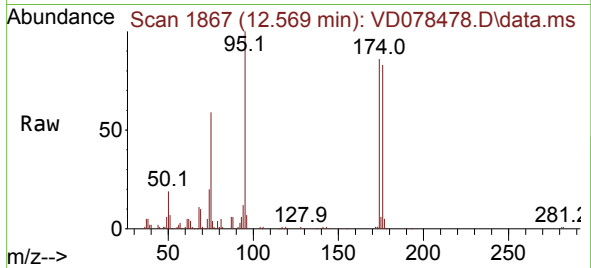
Tgt Ion:	75	Resp:	54322
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.507 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD078478.D
 Acq: 20 Feb 2024 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 20240768-AMENDED-COMP-39N-N-3-03



Tgt Ion:	75	Resp:	54322
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

