

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078477.D
 Acq On : 20 Feb 2024 12:24
 Operator : RP/MD
 Sample : P1523-07
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02

Quant Time: Feb 21 05:22:21 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)

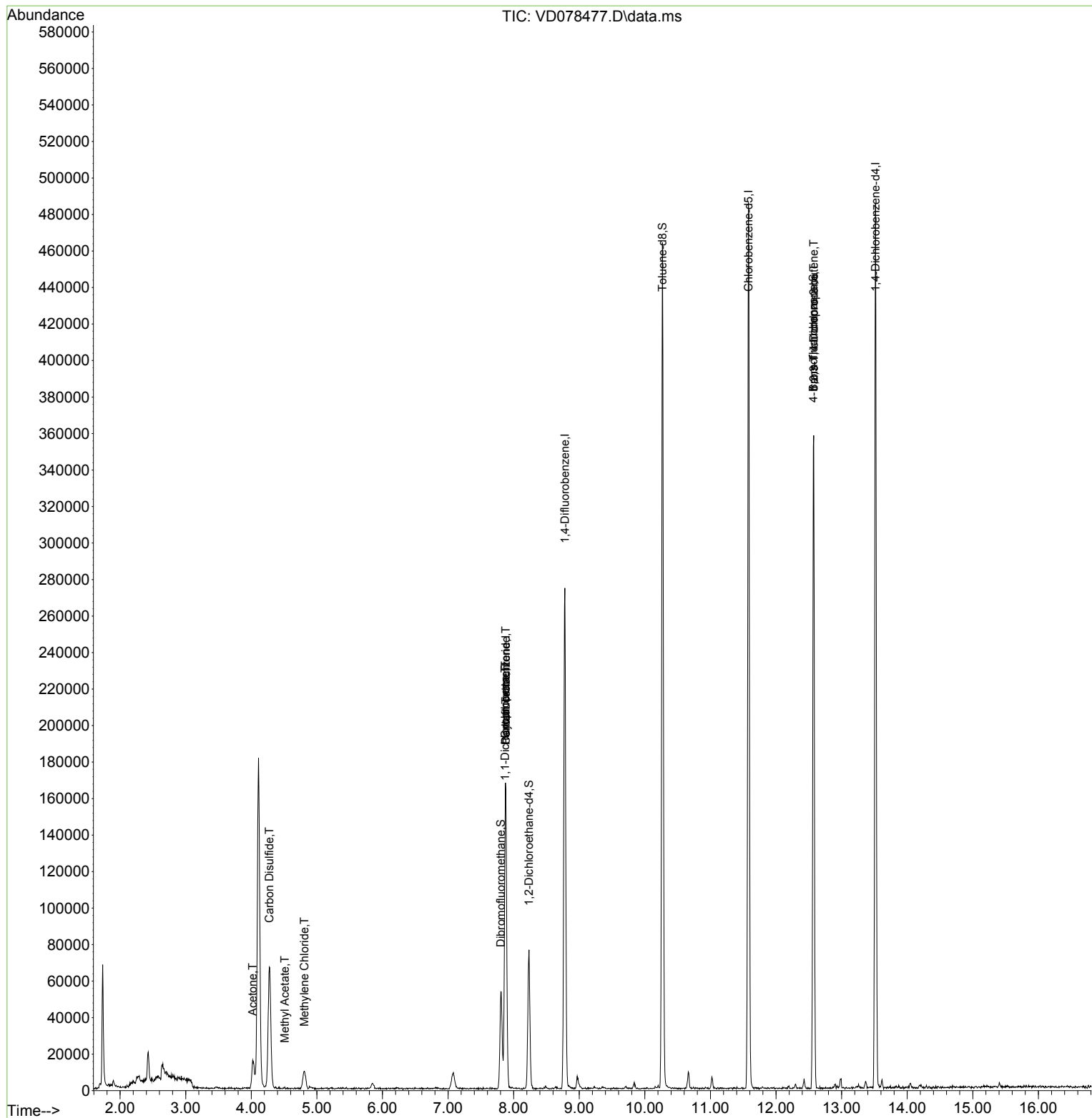
Internal Standards						
1) Pentafluorobenzene	7.881	168	134620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	252815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	131045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56066	38.518	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.040%		
35) Dibromofluoromethane	7.804	113	39819	24.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	49.600%#		
50) Toluene-d8	10.269	98	318946	49.648	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.569	95	111781	59.793	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	119.580%		
Target Compounds						Qvalue
16) Acetone	4.022	43	27589	80.724	ug/l	92
17) Carbon Disulfide	4.275	76	143045	28.968	ug/l	98
18) Methyl Acetate	4.511	43	127	4.053	ug/l #	42
20) Methylene Chloride	4.811	84	7984	1.868	ug/l #	76
23) Vinyl Acetate	6.234	43	59	Below Cal	#	63
25) 2-Butanone	7.081	43	3079	Below Cal		100
31) Cyclohexane	7.875	56	2859	1.161	ug/l #	9
36) 1,1-Dichloropropene	7.869	75	11122	4.458	ug/l #	47
38) Carbon Tetrachloride	7.881	117	13160	5.327	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	58206	52.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58206	108.614	ug/l #	17

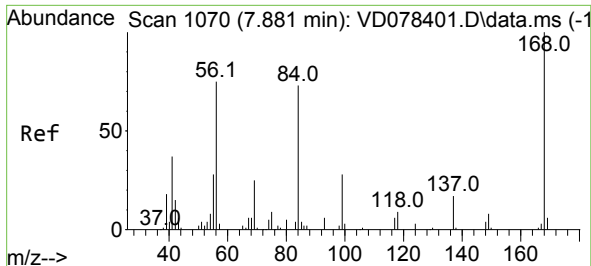
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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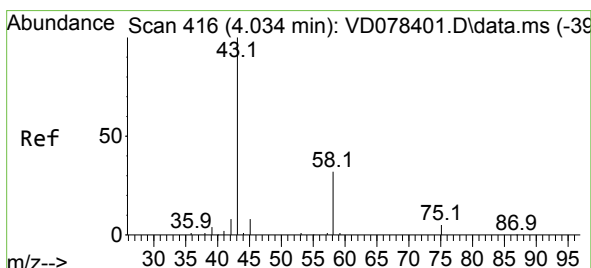
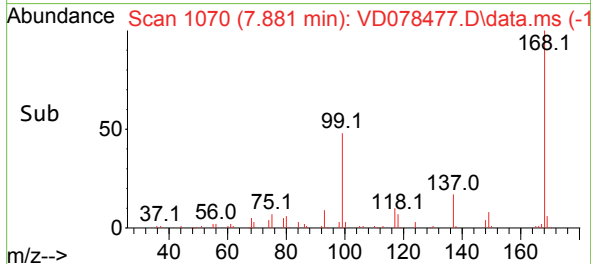
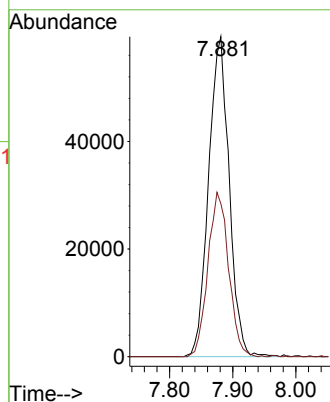
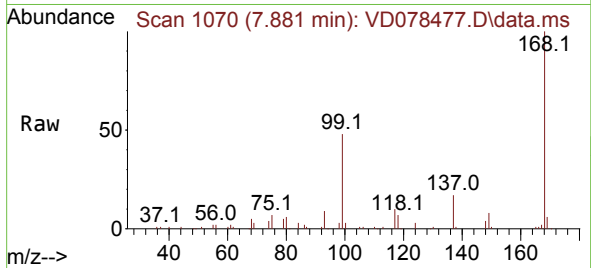




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

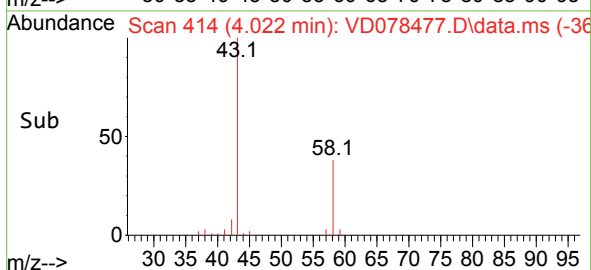
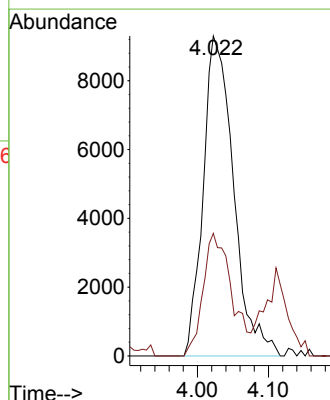
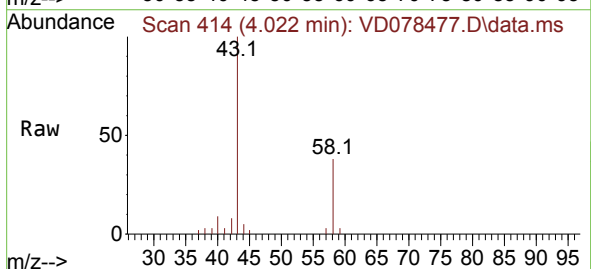
Instrument : MSVOA_D
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02

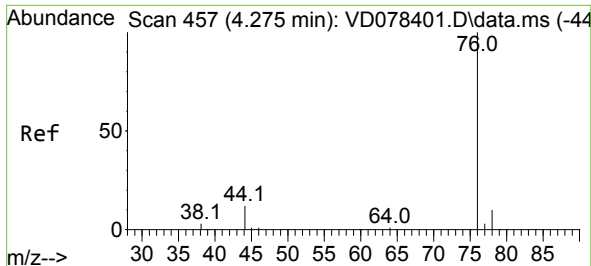
Tgt Ion:168 Resp: 134620
Ion Ratio Lower Upper
168 100
99 47.8 36.7 55.1



#16
Acetone
Concen: 80.724 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

Tgt Ion: 43 Resp: 27589
Ion Ratio Lower Upper
43 100
58 38.3 34.7 52.1

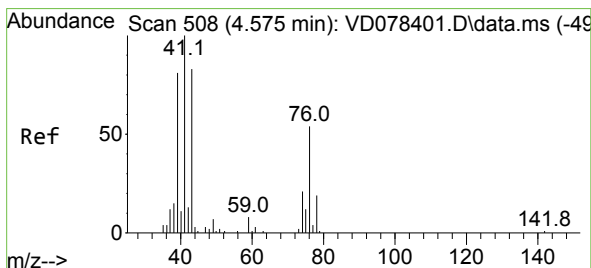
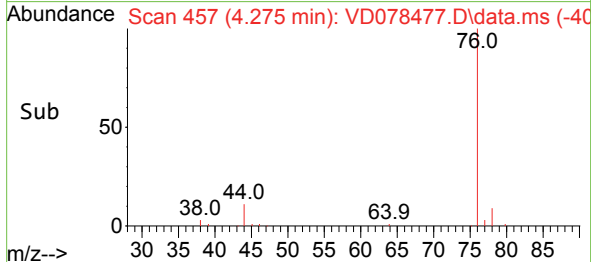
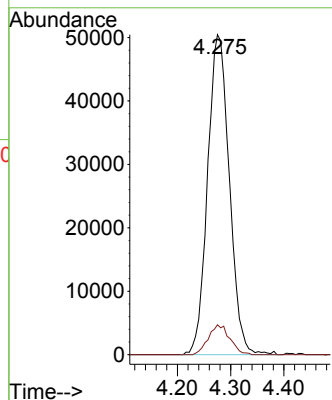
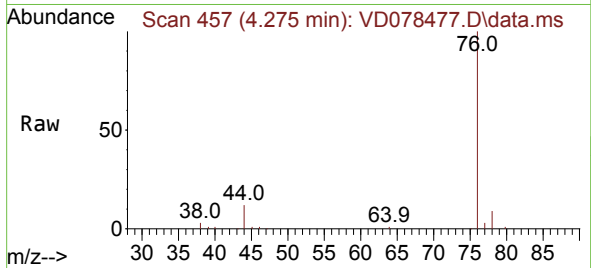




#17
Carbon Disulfide
Concen: 28.968 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

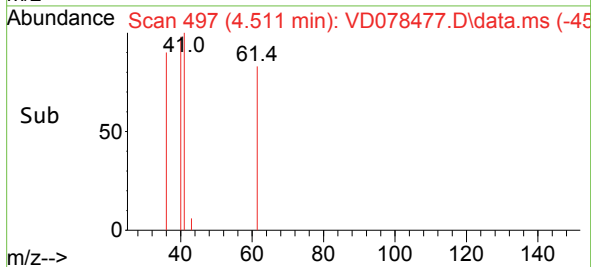
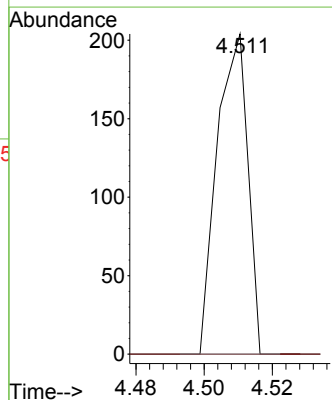
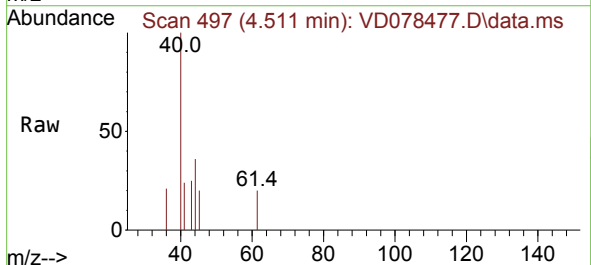
Instrument :
MSVOA_D
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

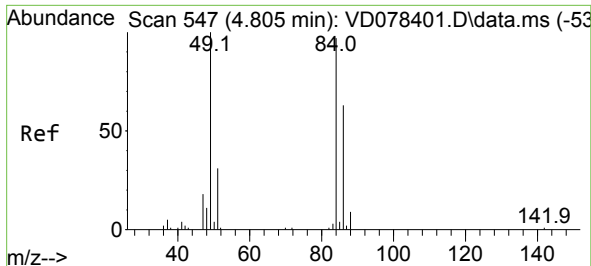
Tgt Ion: 76 Resp: 143045
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.053 ug/l
RT: 4.511 min Scan# 497
Delta R.T. -0.064 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

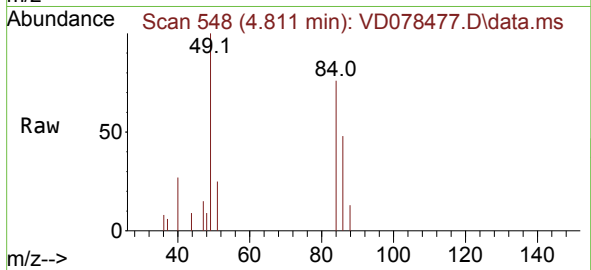
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



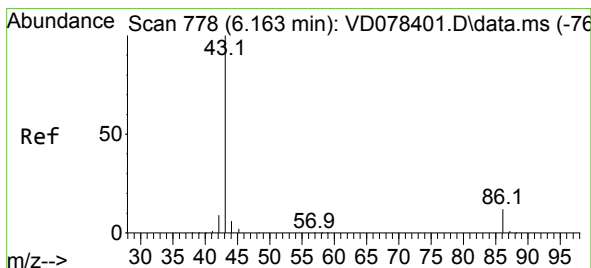
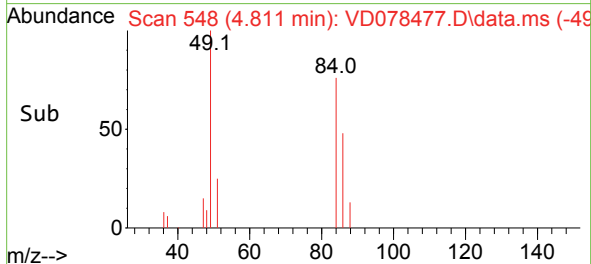
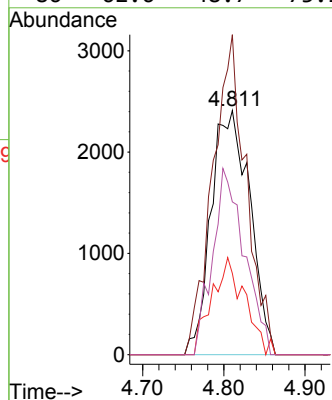


#20
Methylene Chloride
Concen: 1.868 ug/l
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

Instrument :
MSVOA_D
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

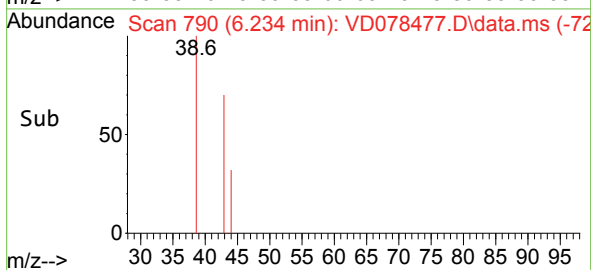
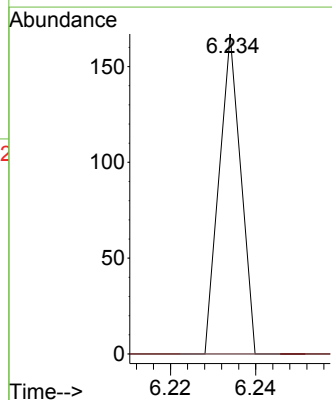
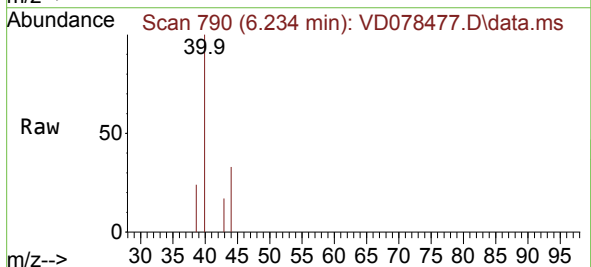


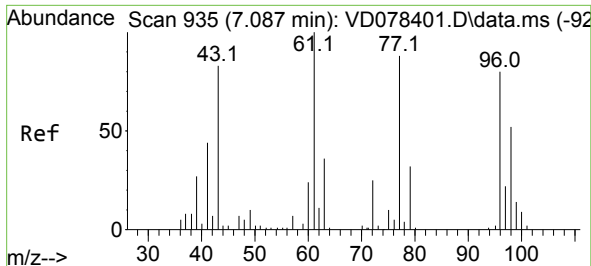
Tgt Ion: 84 Resp: 7984
Ion Ratio Lower Upper
84 100
49 131.0 71.4 107.2#
51 33.3 24.5 36.7
86 62.6 48.7 73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.234 min Scan# 790
Delta R.T. 0.071 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 12.5 18.7#





#25

2-Butanone

Concen: Below Cal

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078477.D

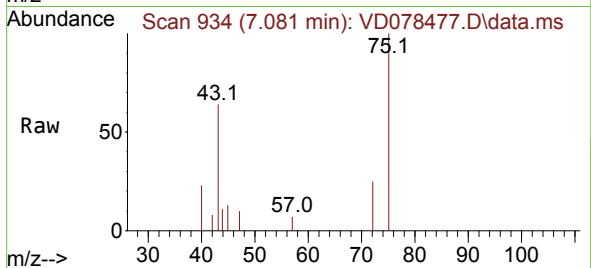
Acq: 20 Feb 2024 12:24

Instrument :

MSVOA_D

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02

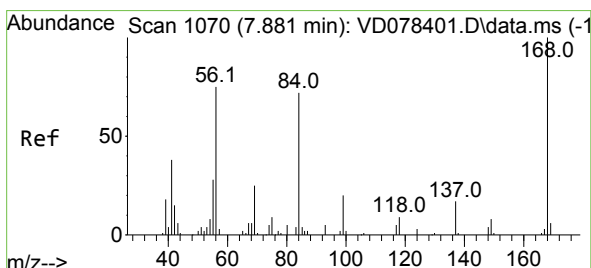
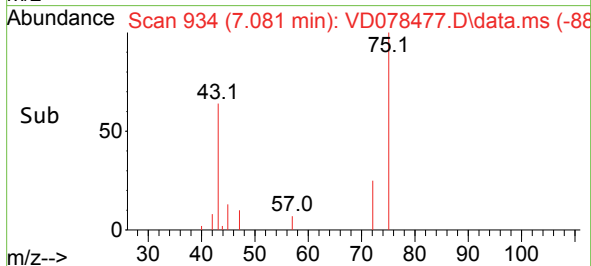
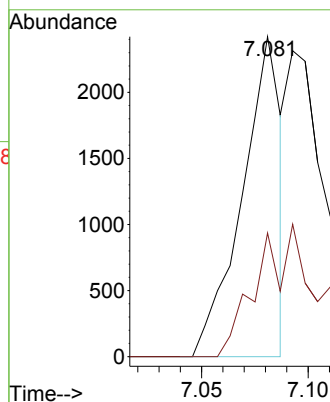


Tgt Ion: 43 Resp: 3079

Ion Ratio Lower Upper

43 100

72 38.7 30.7 46.1



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078477.D

Acq: 20 Feb 2024 12:24

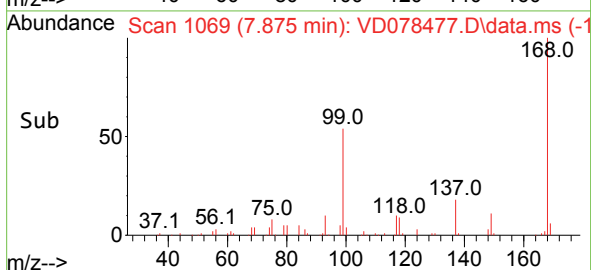
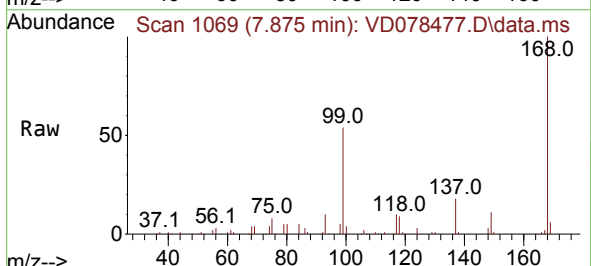
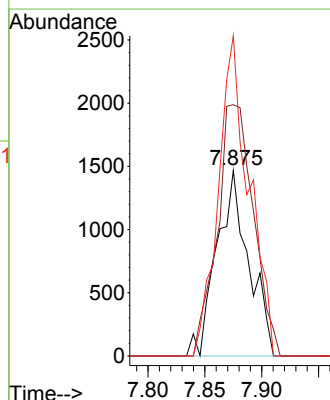
Tgt Ion: 56 Resp: 2859

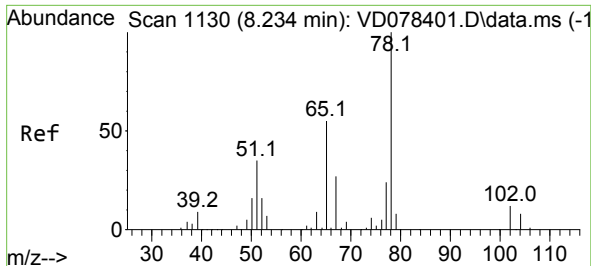
Ion Ratio Lower Upper

56 100

69 135.4 28.6 43.0#

84 172.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 38.518 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078477.D

Acq: 20 Feb 2024 12:24

Instrument :

MSVOA_D

ClientSampleId :

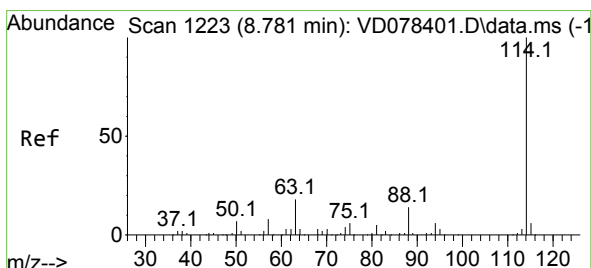
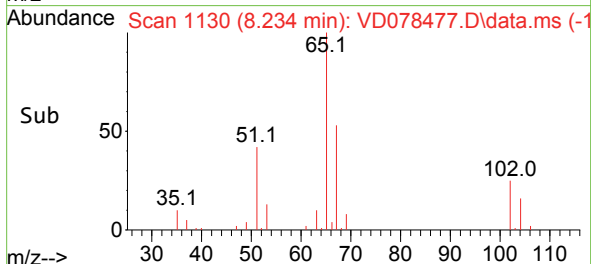
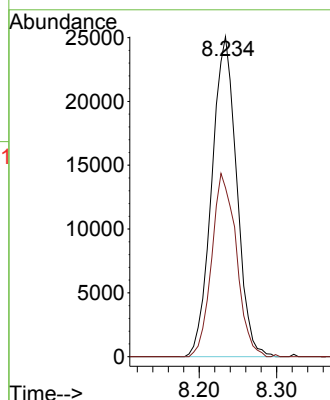
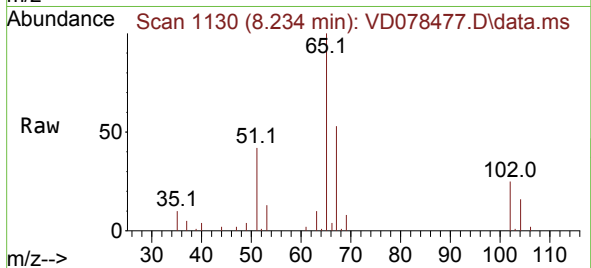
20240767-AMENDED-COMP-39N-N-3-02

Tgt Ion: 65 Resp: 56066

Ion Ratio Lower Upper

65 100

67 56.6 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: VD078477.D

Acq: 20 Feb 2024 12:24

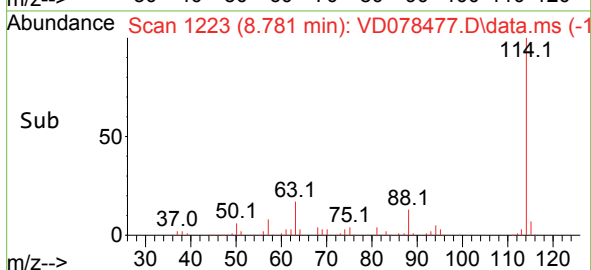
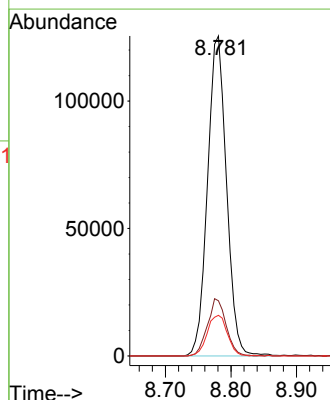
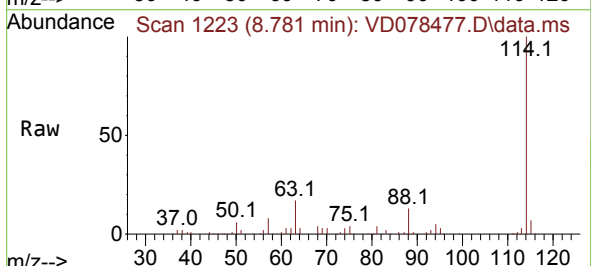
Tgt Ion:114 Resp: 252815

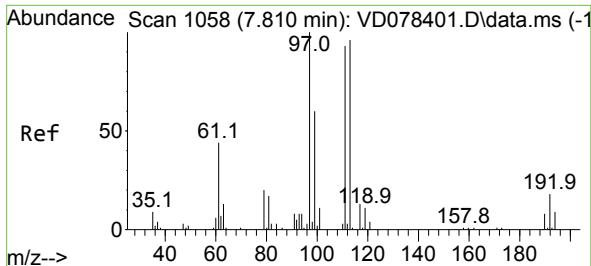
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.4

88 12.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 24.795 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078477.D

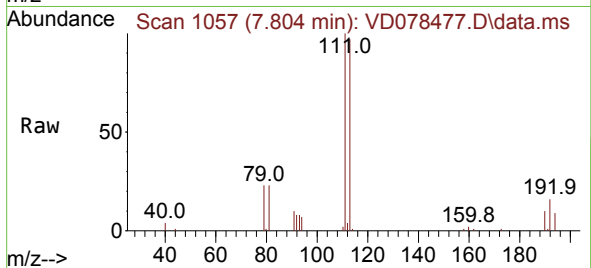
Acq: 20 Feb 2024 12:24

Instrument :

MSVOA_D

ClientSampleId :

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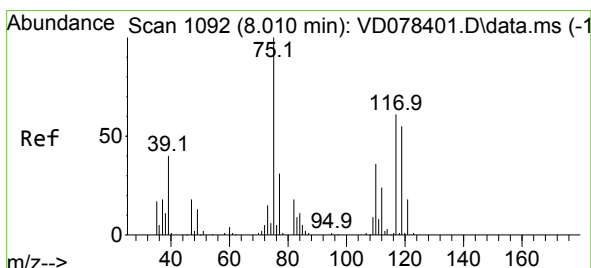
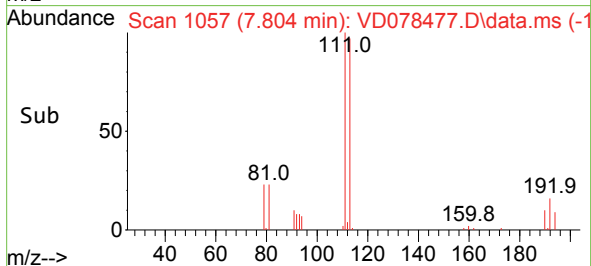
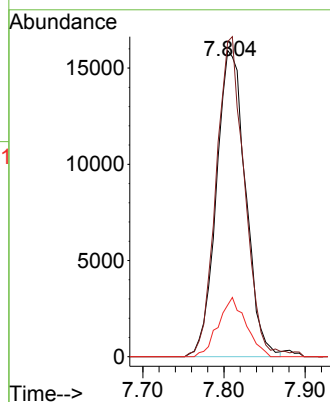
Tgt Ion:113 Resp: 39819

Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 18.4 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.458 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078477.D

Acq: 20 Feb 2024 12:24

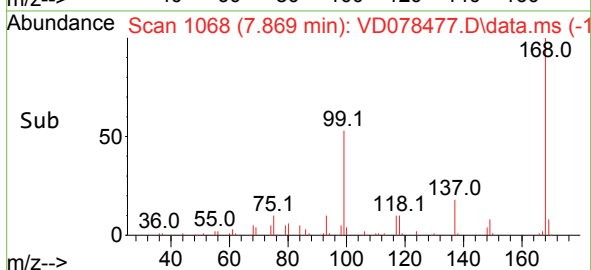
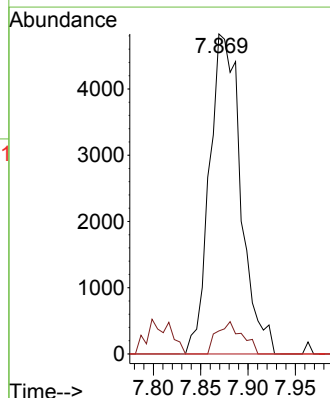
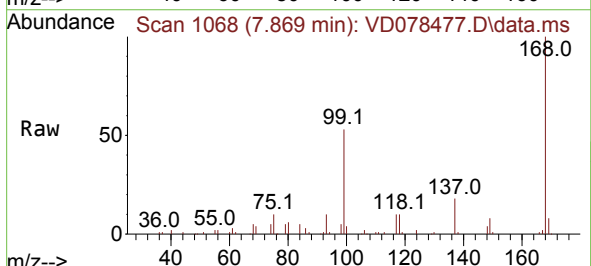
Tgt Ion: 75 Resp: 11122

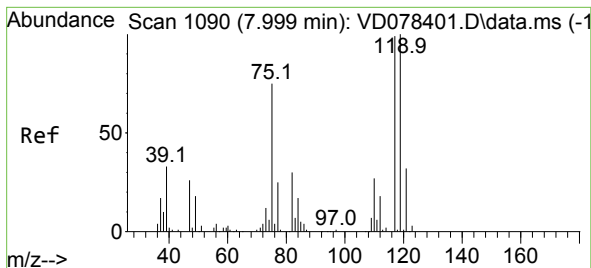
Ion Ratio Lower Upper

75 100

110 8.1 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.327 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.118 min

Lab File: VD078477.D

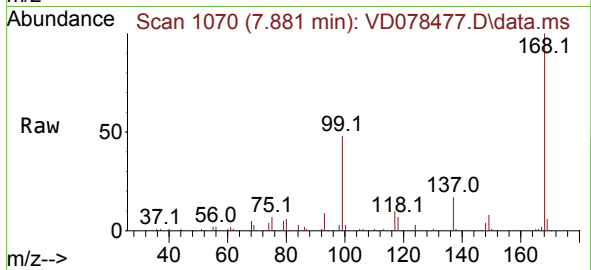
Acq: 20 Feb 2024 12:24

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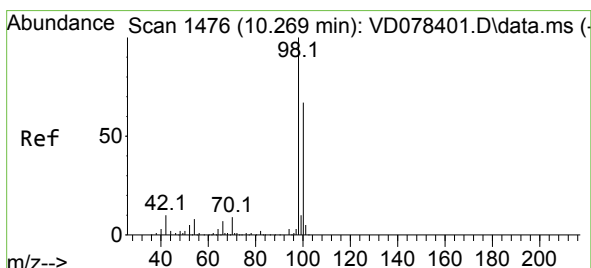
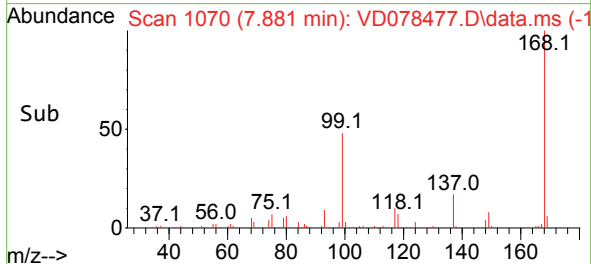
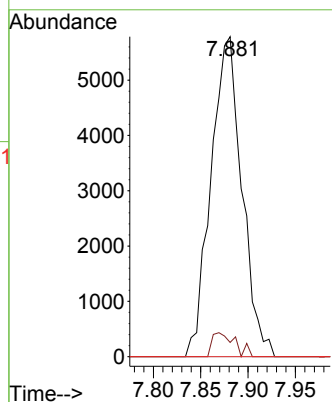
Tgt Ion:117 Resp: 13160

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.648 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078477.D

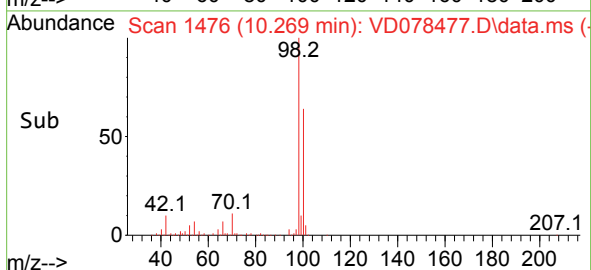
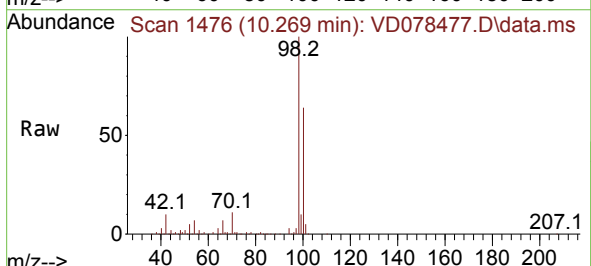
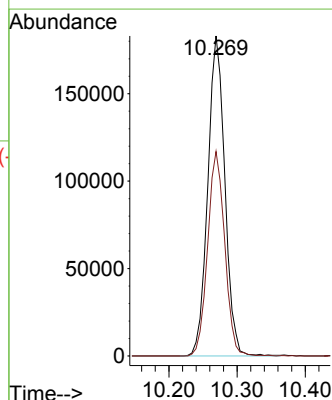
Acq: 20 Feb 2024 12:24

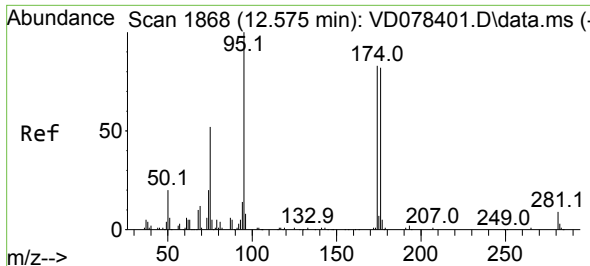
Tgt Ion: 98 Resp: 318946

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

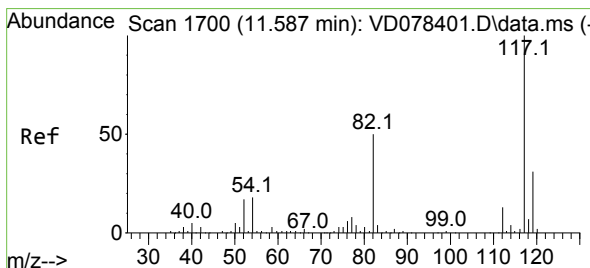
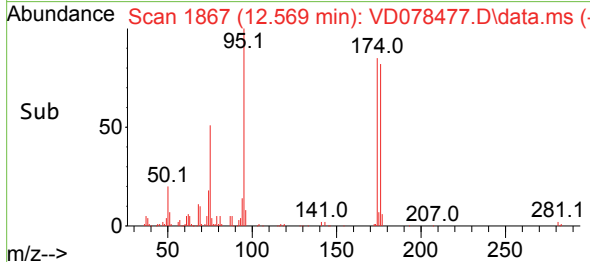
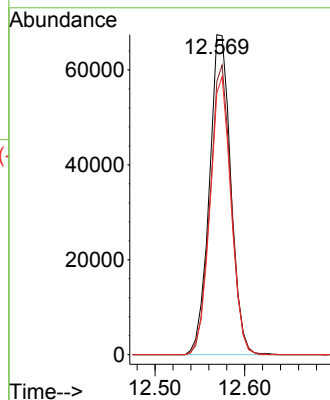
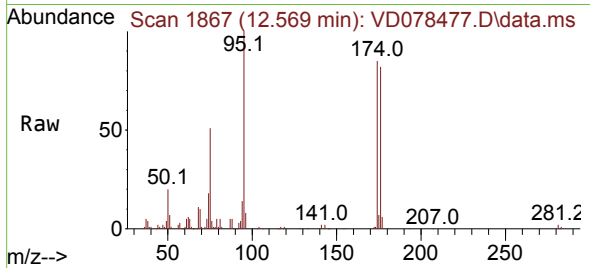




#62
4-Bromofluorobenzene
Concen: 59.793 ug/l
RT: 12.569 min Scan# 1117
Delta R.T. -0.006 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

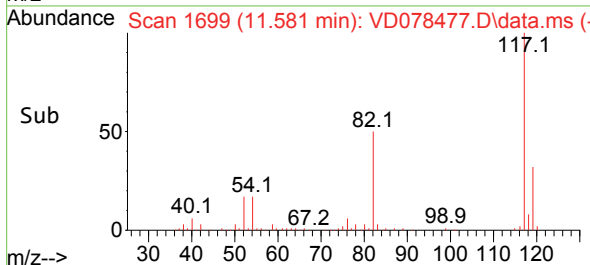
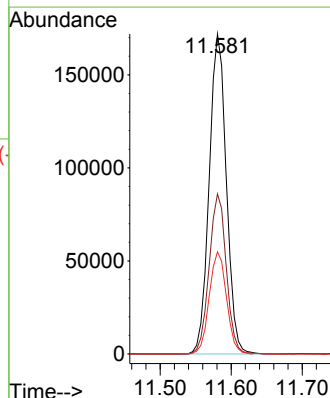
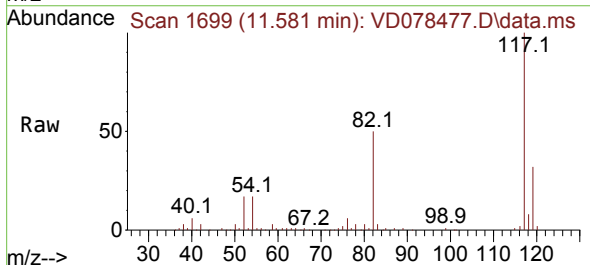
Instrument :
MSVOA_D
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

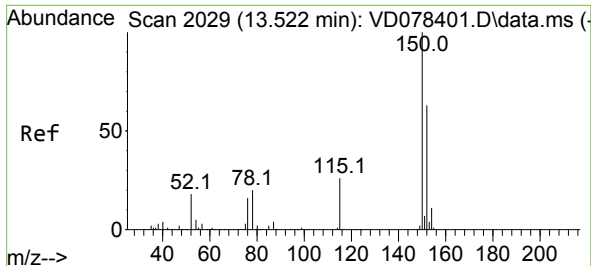
Tgt Ion: 95	Resp: 111781
Ion Ratio	Lower Upper
95	100
174	89.6 0.0 201.8
176	85.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078477.D
Acq: 20 Feb 2024 12:24

Tgt Ion: 117	Resp: 288366
Ion Ratio	Lower Upper
117	100
82	50.0 38.3 57.5
119	31.9 25.0 37.4

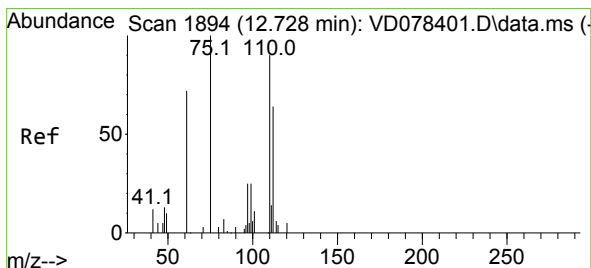
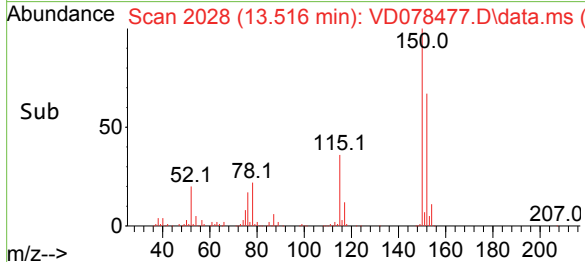
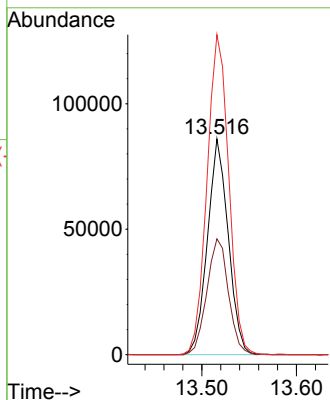
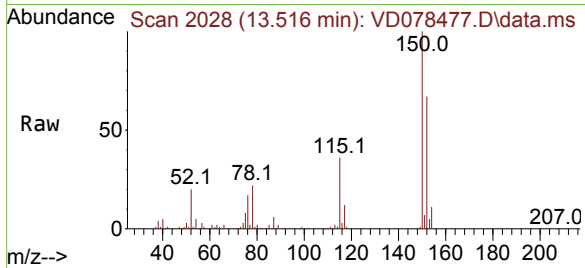




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078477.D
 Acq: 20 Feb 2024 12:24

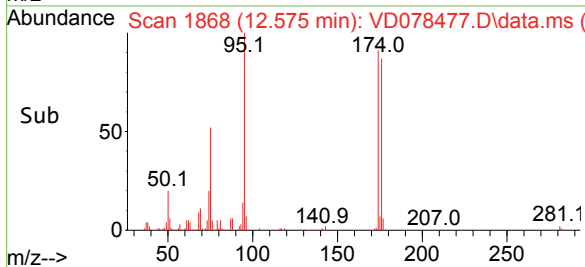
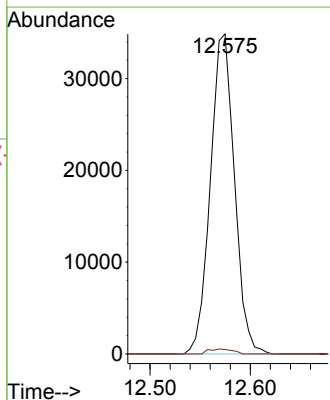
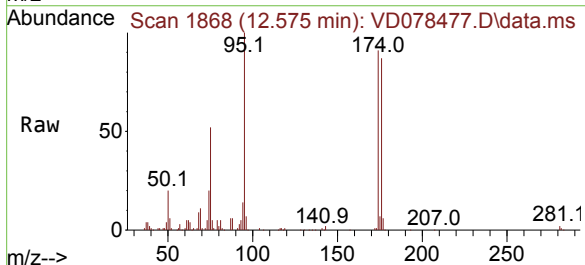
Instrument : MSVOA_D
 ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02

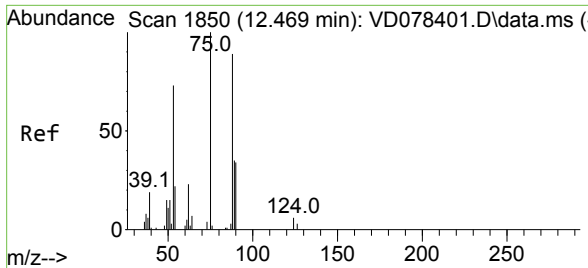
Tgt Ion:152 Resp: 131045
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.3
 150 154.7 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 52.318 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078477.D
 Acq: 20 Feb 2024 12:24

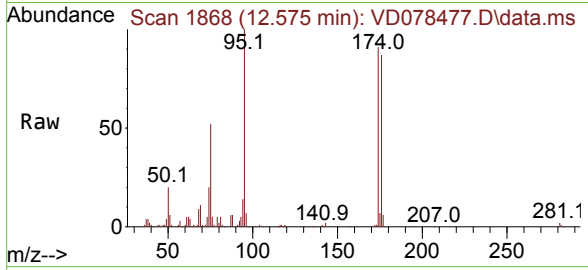
Tgt Ion: 75 Resp: 58206
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.614 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078477.D
 Acq: 20 Feb 2024 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02



Tgt Ion:	75	Resp:	58206
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

