

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078515.D
 Acq On : 22 Feb 2024 14:10
 Operator : RP/MD
 Sample : P1538-02RE
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241097-COMPOSITE-35N-N-4-02

Quant Time: Feb 23 01:03:40 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)

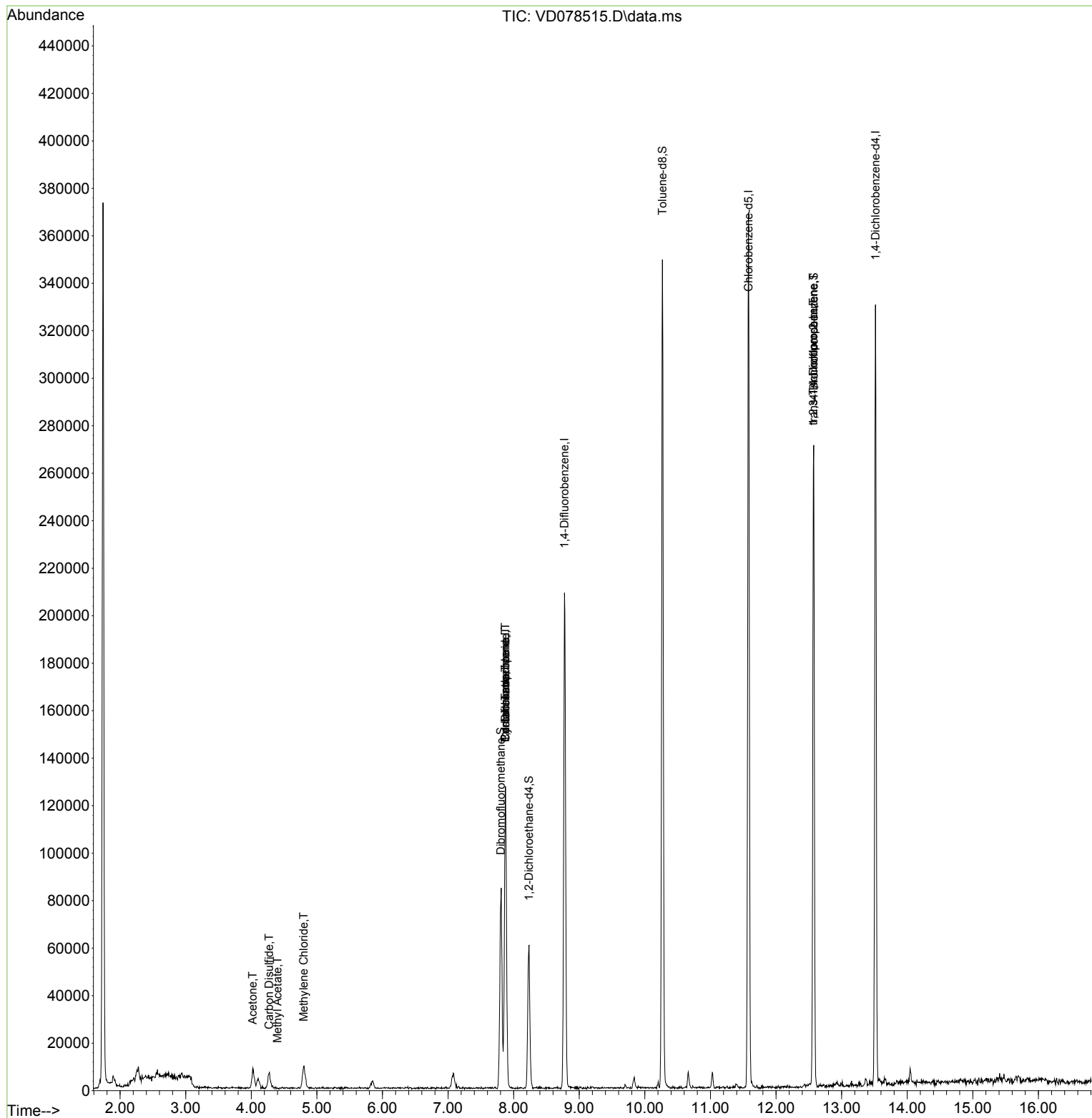
Internal Standards						
1) Pentafluorobenzene	7.875	168	96000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	189093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	217443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45673	44.001	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.000%			
35) Dibromofluoromethane	7.805	113	60158	50.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.160%			
50) Toluene-d8	10.269	98	244588	50.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.575	95	83035	59.385	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.760%			
Target Compounds					Qvalue	
16) Acetone	4.022	43	12708	43.030	ug/l	95
17) Carbon Disulfide	4.269	76	12727	3.614	ug/l #	94
18) Methyl Acetate	4.399	43	73	4.031	ug/l #	42
20) Methylene Chloride	4.799	84	8086	4.036	ug/l	93
23) Vinyl Acetate	6.269	43	60	Below Cal	#	63
31) Cyclohexane	7.875	56	2142	1.220	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	7680	4.116	ug/l #	46
38) Carbon Tetrachloride	7.875	117	10020	5.422	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	42853	57.887	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	42853	120.175	ug/l #	17

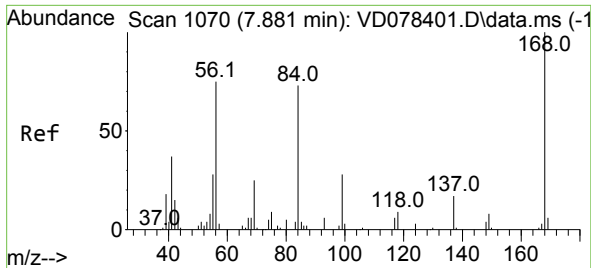
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20241097-COMPOSITE-35N-N-4-02

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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

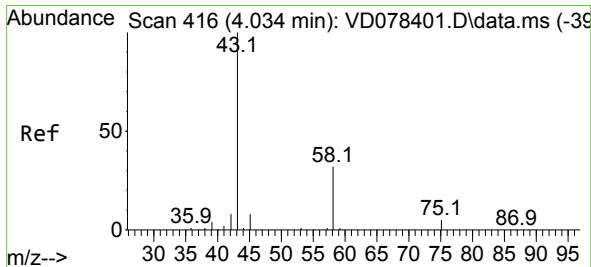
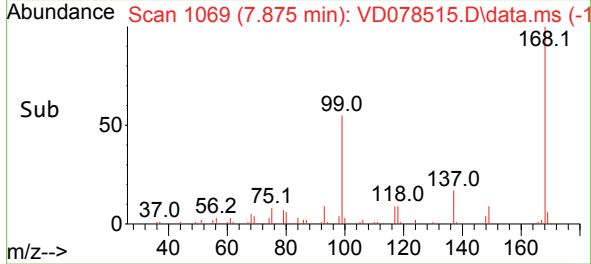
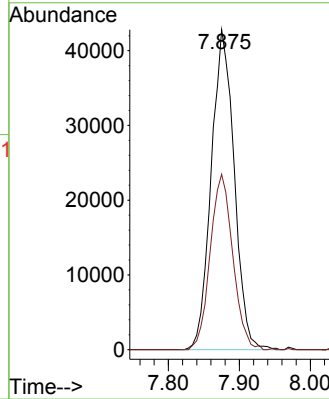
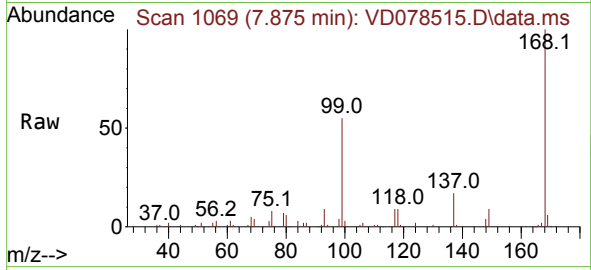




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

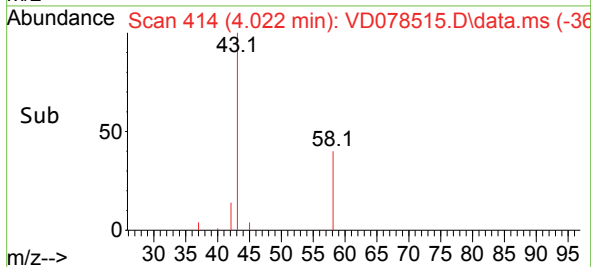
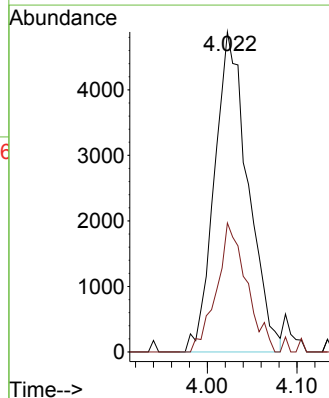
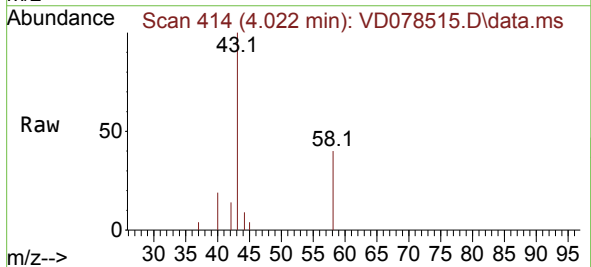
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

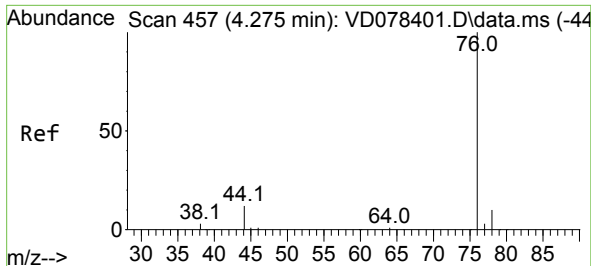
Tgt Ion:168 Resp: 96000
Ion Ratio Lower Upper
168 100
99 54.8 36.7 55.1



#16
Acetone
Concen: 43.030 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Tgt Ion: 43 Resp: 12708
Ion Ratio Lower Upper
43 100
58 40.3 34.7 52.1

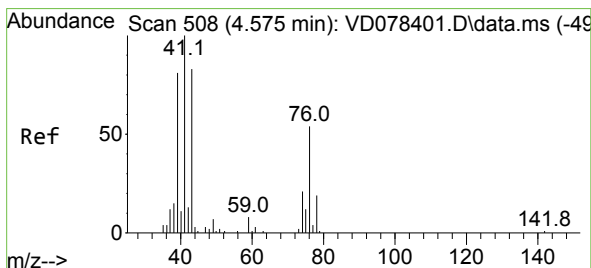
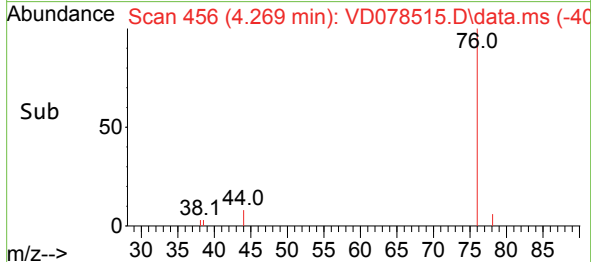
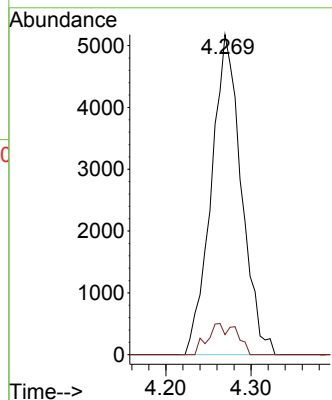
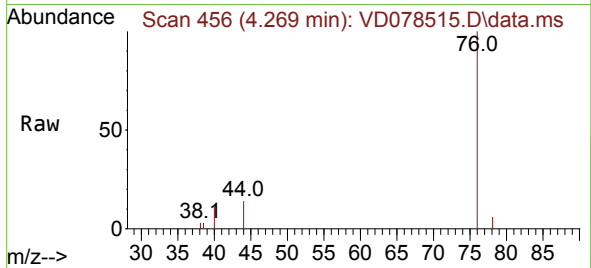




#17
Carbon Disulfide
Concen: 3.614 ug/l
RT: 4.269 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

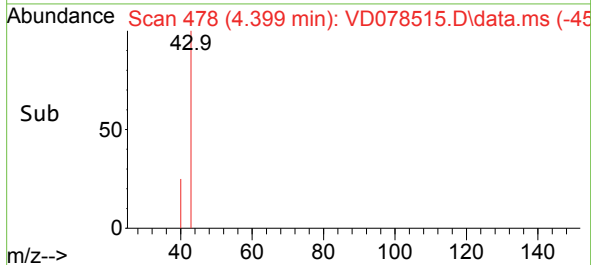
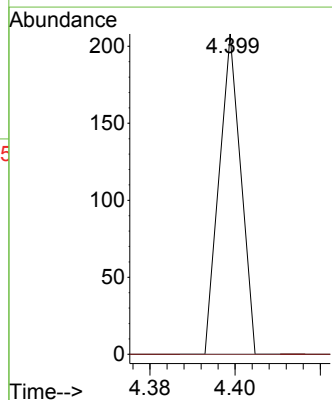
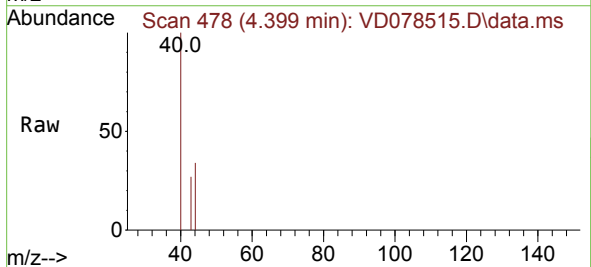
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

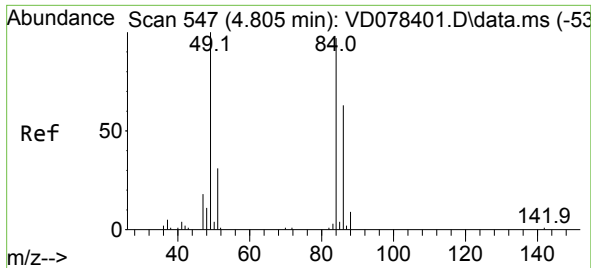
Tgt Ion: 76 Resp: 12727
Ion Ratio Lower Upper
76 100
78 6.3 6.8 10.2#



#18
Methyl Acetate
Concen: 4.031 ug/l
RT: 4.399 min Scan# 478
Delta R.T. -0.176 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

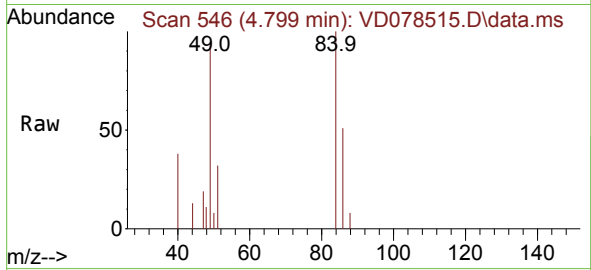
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



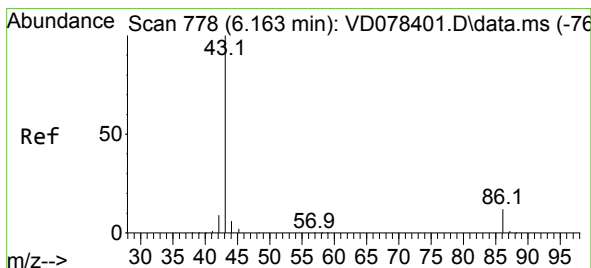
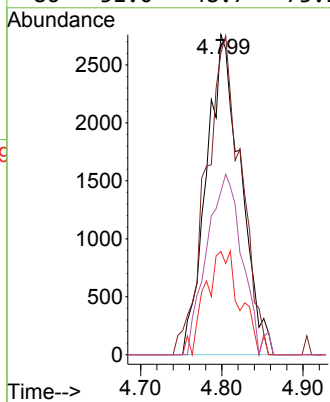
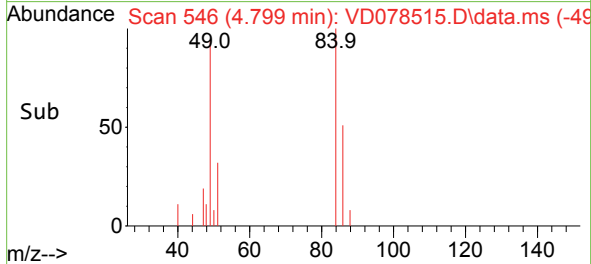


#20
Methylene Chloride
Concen: 4.036 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

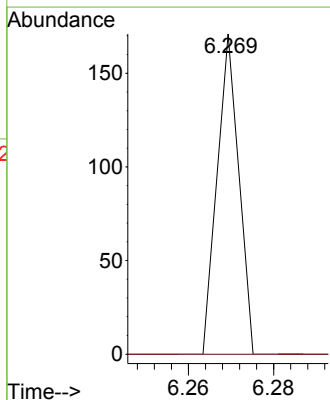
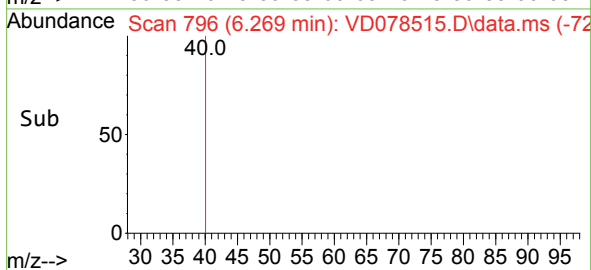
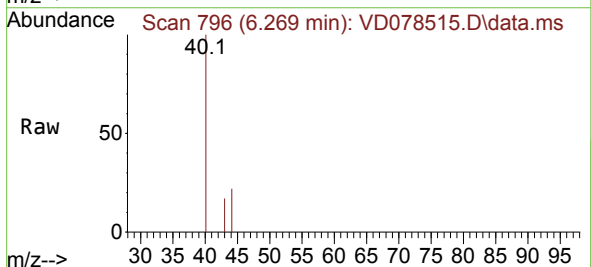


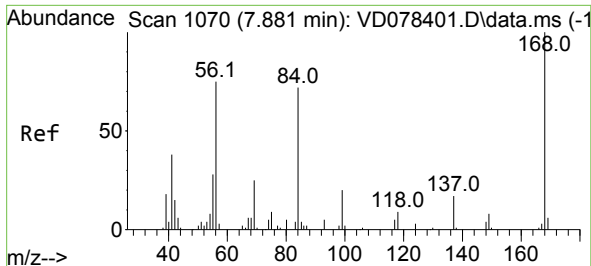
Tgt Ion:	84	Resp:	8086
Ion	Ratio	Lower	Upper
84	100		
49	94.2	71.4	107.2
51	32.3	24.5	36.7
86	51.0	48.7	73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.269 min Scan# 796
Delta R.T. 0.106 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.5	18.7#





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078515.D

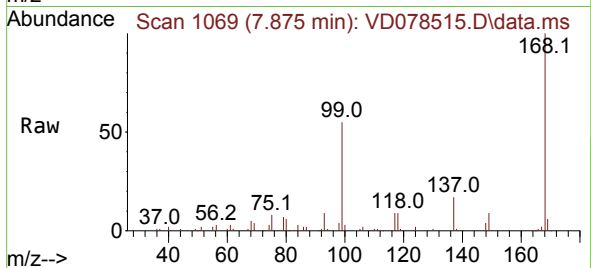
Acq: 22 Feb 2024 14:10

Instrument :

MSVOA_D

ClientSampleId :

20241097-COMPOSITE-35N-N-4-02



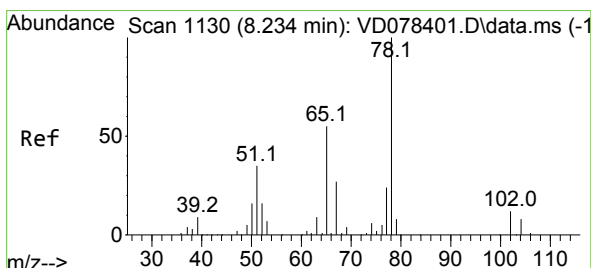
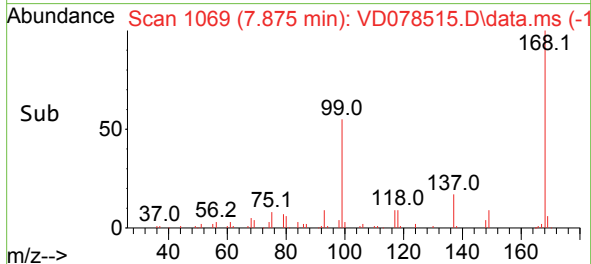
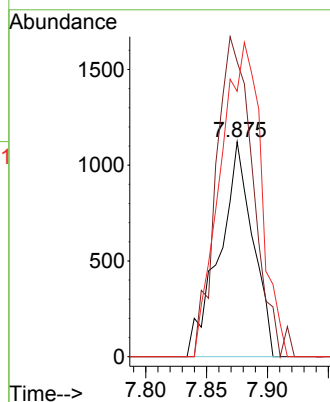
Tgt Ion: 56 Resp: 2142

Ion Ratio Lower Upper

56 100

69 137.3 28.6 43.0#

84 123.5 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 44.001 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078515.D

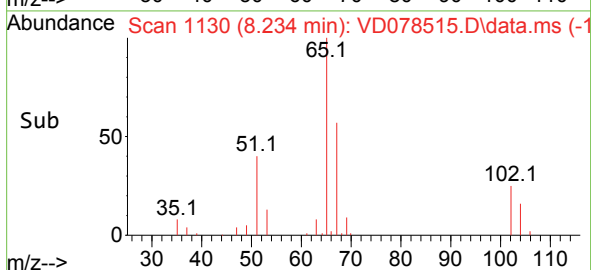
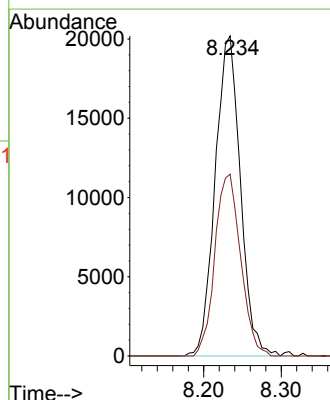
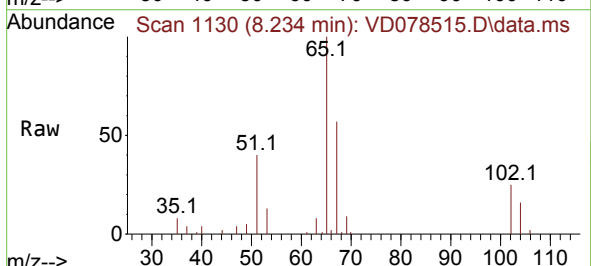
Acq: 22 Feb 2024 14:10

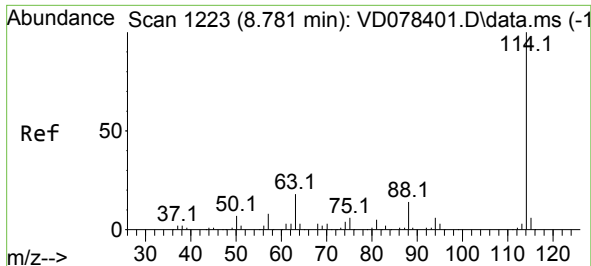
Tgt Ion: 65 Resp: 45673

Ion Ratio Lower Upper

65 100

67 58.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078515.D

Acq: 22 Feb 2024 14:10

Instrument :

MSVOA_D

ClientSampleId :

20241097-COMPOSITE-35N-N-4-02

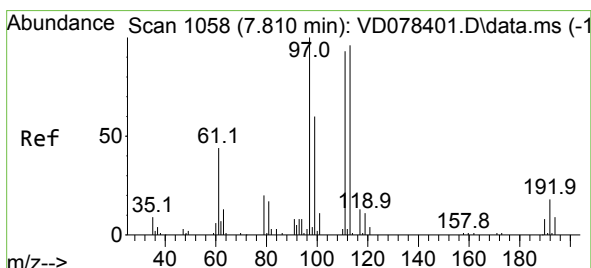
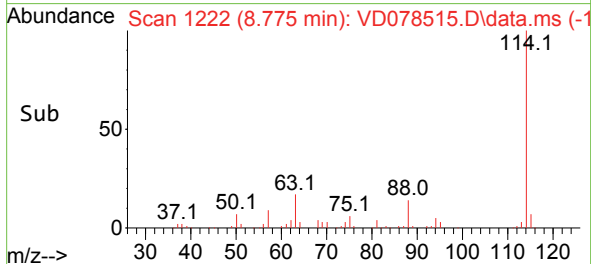
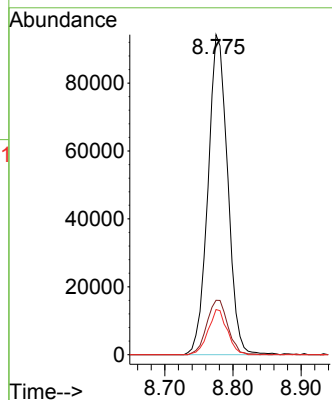
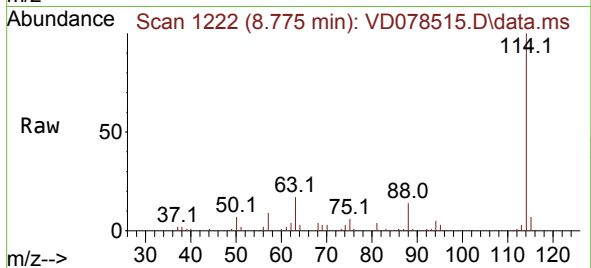
Tgt Ion:114 Resp: 189093

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.084 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078515.D

Acq: 22 Feb 2024 14:10

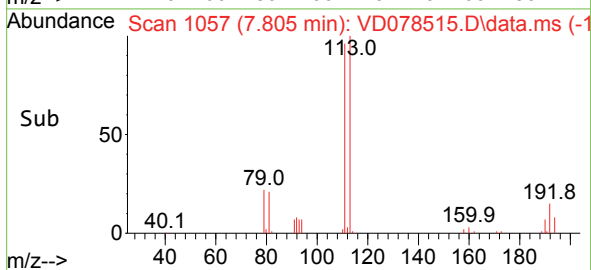
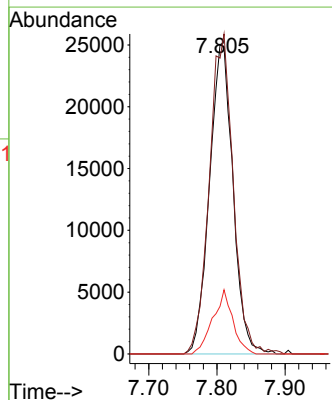
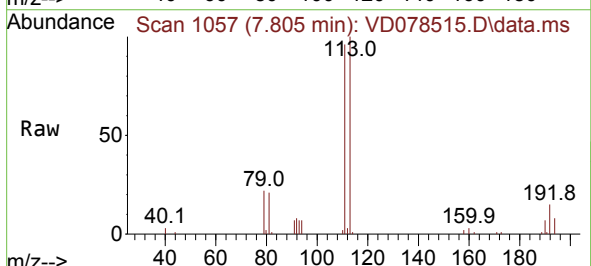
Tgt Ion:113 Resp: 60158

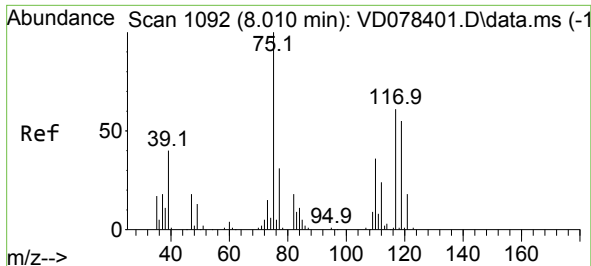
Ion Ratio Lower Upper

113 100

111 105.1 84.7 127.1

192 17.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.116 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078515.D

Acq: 22 Feb 2024 14:10

Instrument :

MSVOA_D

ClientSampleId :

20241097-COMPOSITE-35N-N-4-02

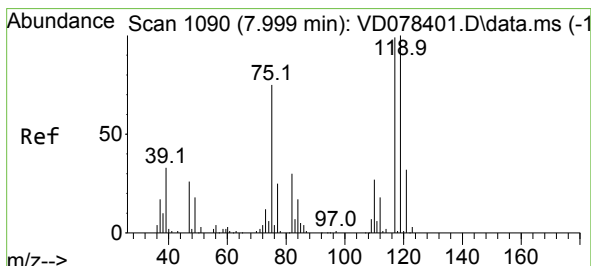
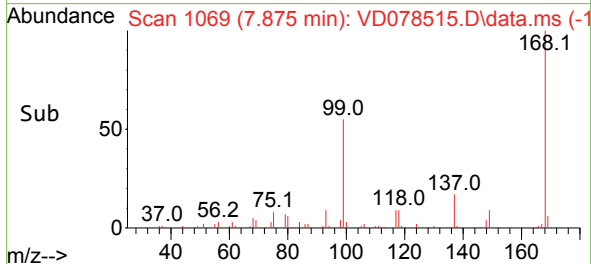
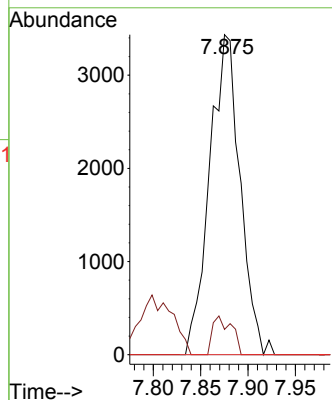
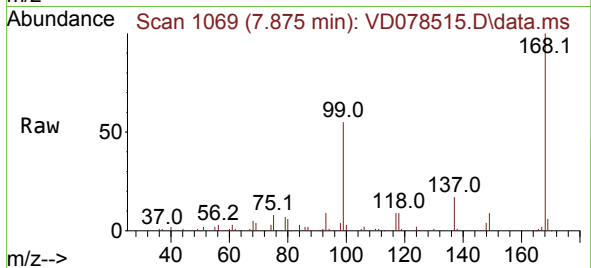
Tgt Ion: 75 Resp: 7680

Ion Ratio Lower Upper

75 100

110 7.5 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.422 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078515.D

Acq: 22 Feb 2024 14:10

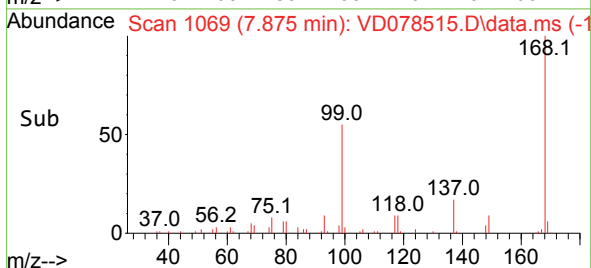
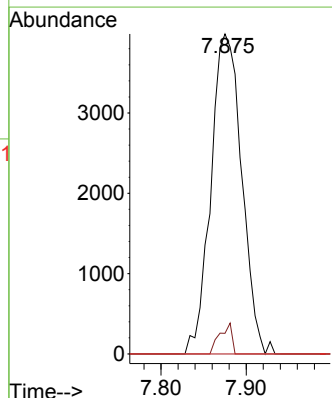
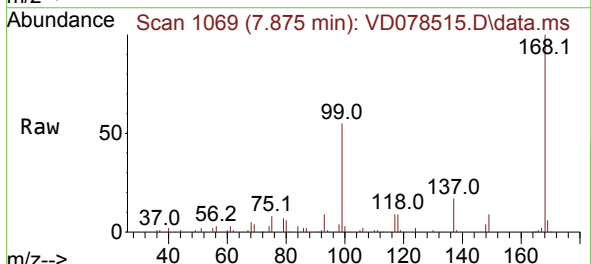
Tgt Ion: 117 Resp: 10020

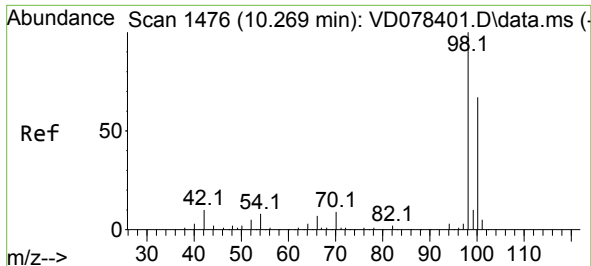
Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

121 0.0 24.2 36.2#

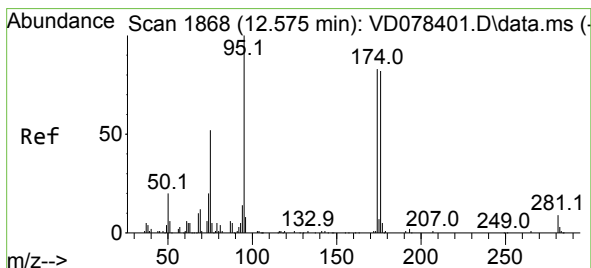
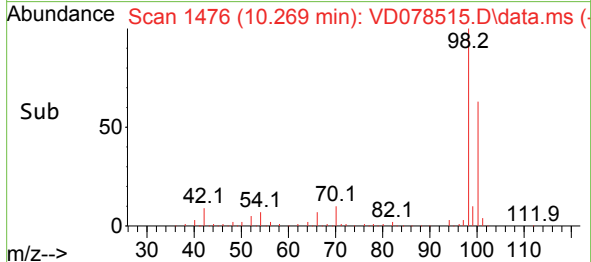
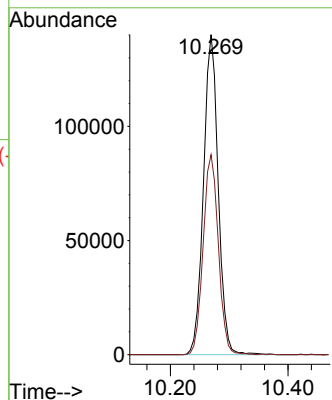
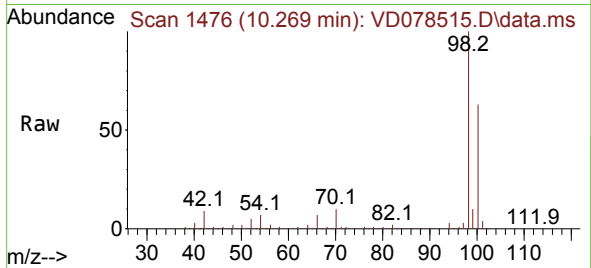




#50
Toluene-d8
Concen: 50.904 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

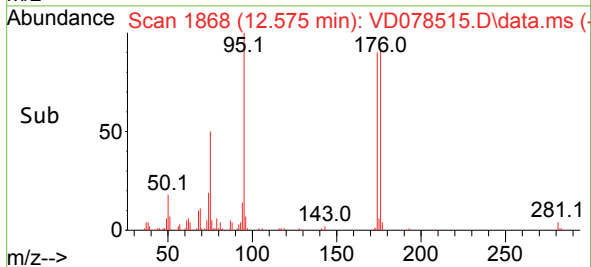
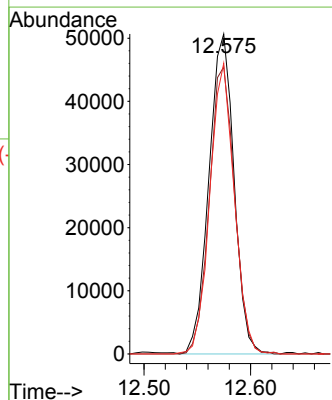
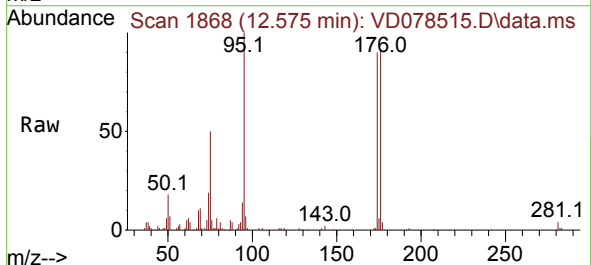
Instrument : MSVOA_D
ClientSampleId : 20241097-COMPOSITE-35N-N-4-02

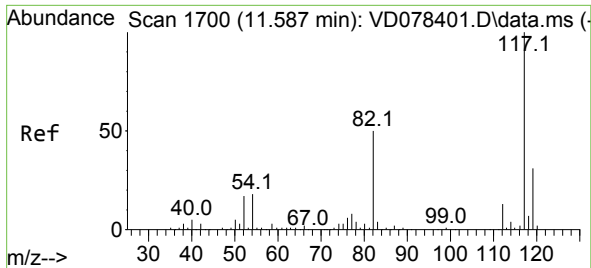
Tgt Ion: 98 Resp: 244588
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.385 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Tgt Ion: 95 Resp: 83035
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 88.0 0.0 191.8

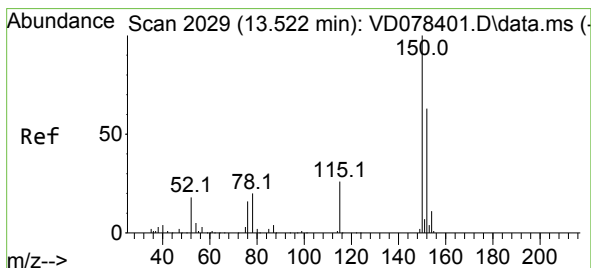
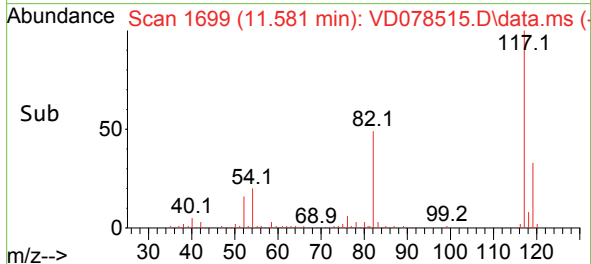
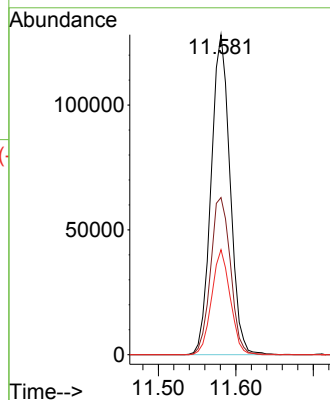
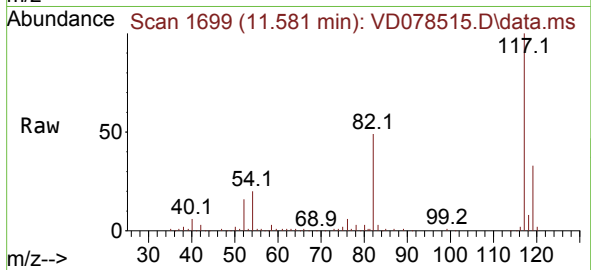




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

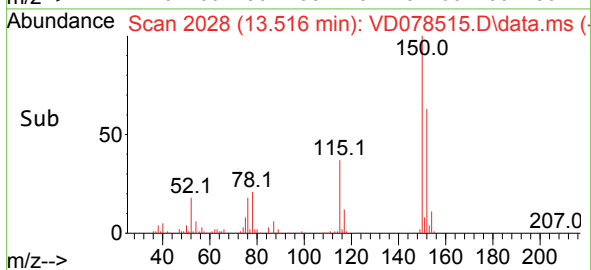
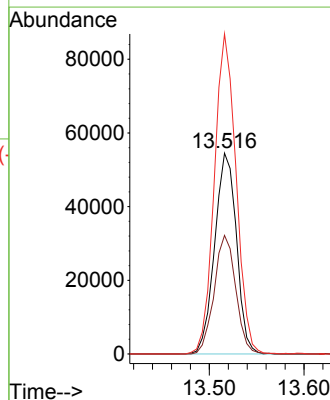
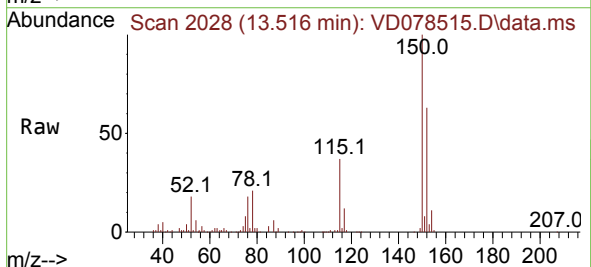
Instrument :
MSVOA_D
ClientSampleId :
20241097-COMPOSITE-35N-N-4-02

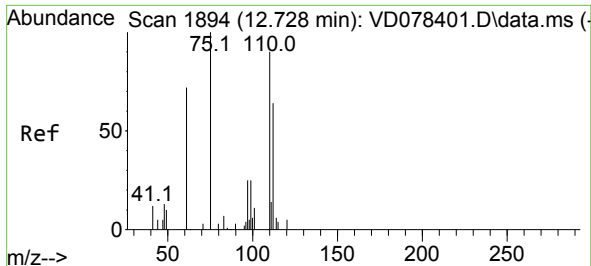
Tgt Ion:117 Resp: 217443
Ion Ratio Lower Upper
117 100
82 49.1 38.3 57.5
119 32.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Tgt Ion:152 Resp: 87198
Ion Ratio Lower Upper
152 100
115 58.5 27.1 81.3
150 158.8 0.0 353.6

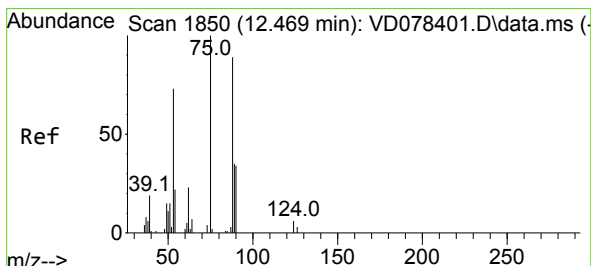
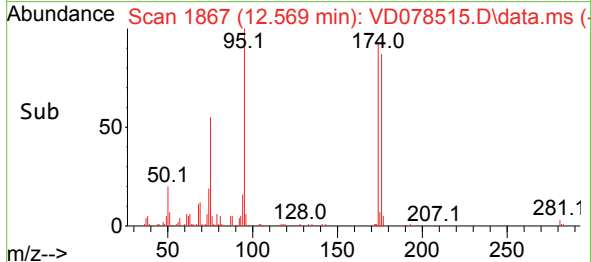
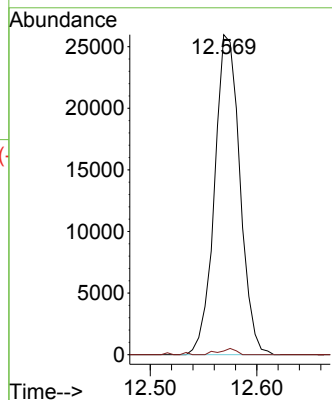
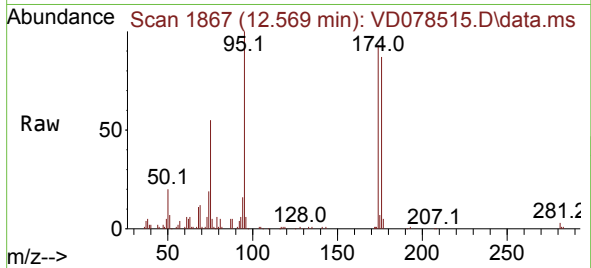




#76
1,2,3-Trichloropropane
Concen: 57.887 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Instrument : MSVOA_D
ClientSampleId : 20241097-COMPOSITE-35N-N-4-02

Tgt Ion: 75 Resp: 42853
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.175 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078515.D
Acq: 22 Feb 2024 14:10

Tgt Ion: 75 Resp: 42853
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#

