

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078535.D
 Acq On : 23 Feb 2024 14:50
 Operator : RP/MD
 Sample : P1538-10RE
 Misc : 5.05G/6ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241103-AMENDED-COMPOSITE-35N-N-4-02

Quant Time: Feb 24 00:22:18 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)

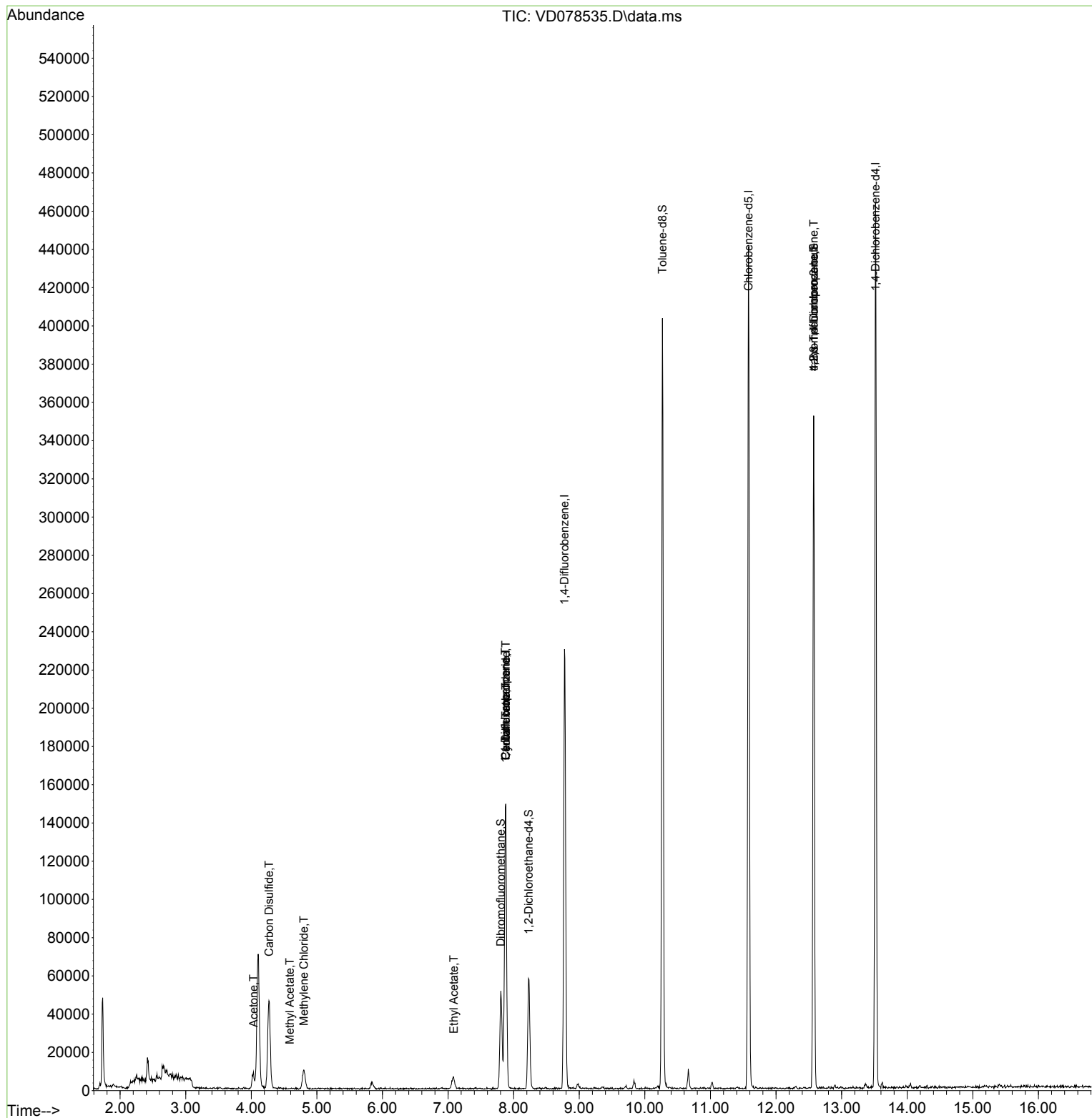
Internal Standards						
1) Pentafluorobenzene	7.881	168	115010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	213726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45491	36.582	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.160%
35) Dibromofluoromethane	7.804	113	38129	28.085	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	56.180%
50) Toluene-d8	10.269	98	277314	51.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.120%
62) 4-Bromofluorobenzene	12.575	95	101251	64.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	128.140%
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	13510	35.341	ug/l	90
17) Carbon Disulfide	4.269	76	98025	23.235	ug/l	97
18) Methyl Acetate	4.587	43	65	4.007	ug/l #	42
20) Methylene Chloride	4.805	84	7890	2.677	ug/l	88
25) 2-Butanone	7.087	43	3102	Below Cal		90
31) Cyclohexane	7.881	56	2297	1.092	ug/l #	13
36) 1,1-Dichloropropene	7.875	75	9672	4.586	ug/l #	45
37) Ethyl Acetate	7.087	43	3102	4.196	ug/l #	62
38) Carbon Tetrachloride	7.881	117	10989	5.261	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	53937	49.671	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	53937	103.117	ug/l #	17

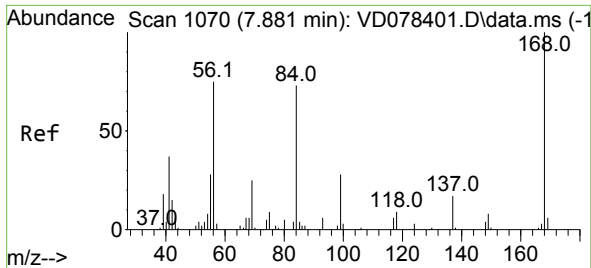
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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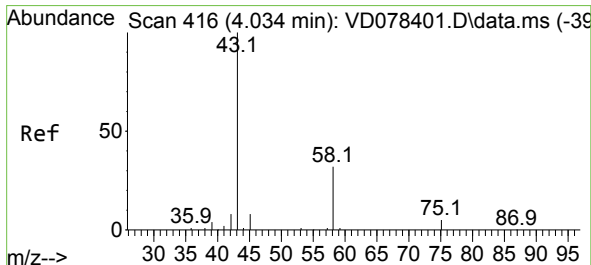
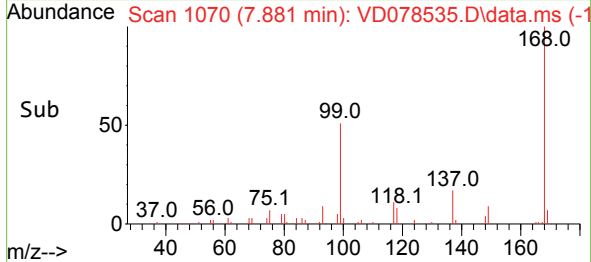
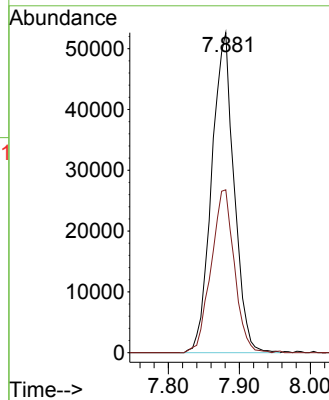
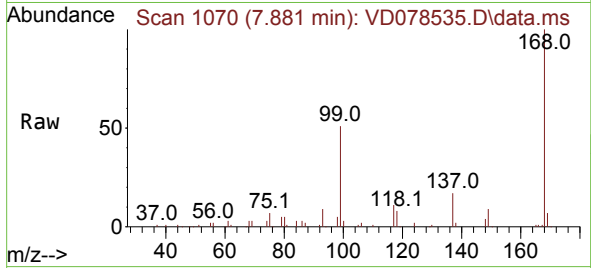




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

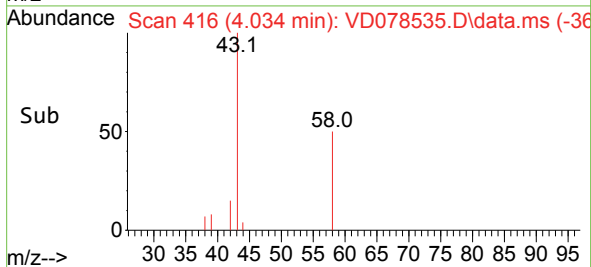
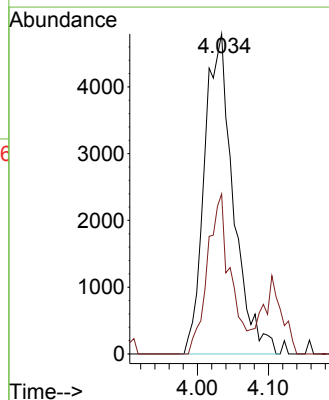
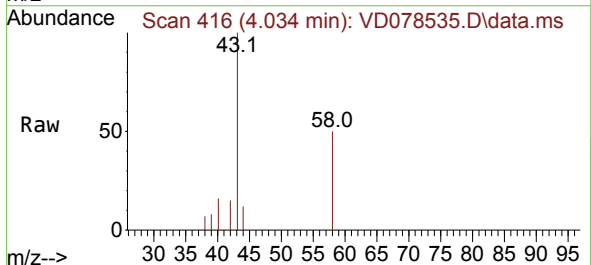
Instrument : MSVOA_D
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02

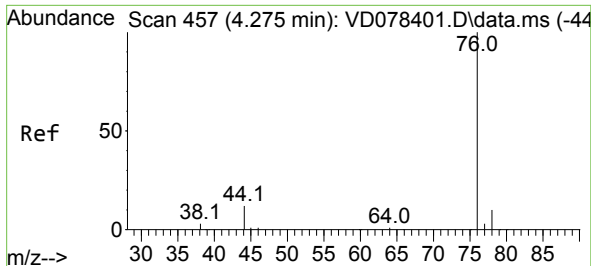
Tgt Ion:168 Resp: 115010
Ion Ratio Lower Upper
168 100
99 50.9 36.7 55.1



#16
Acetone
Concen: 35.341 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion: 43 Resp: 13510
Ion Ratio Lower Upper
43 100
58 50.0 34.7 52.1





#17
Carbon Disulfide
Concen: 23.235 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

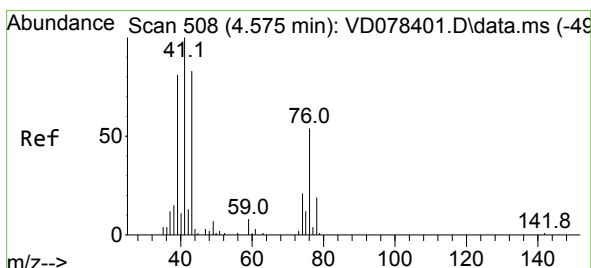
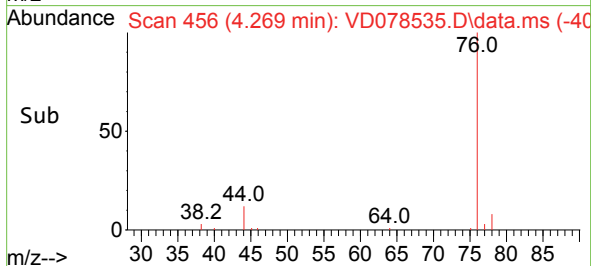
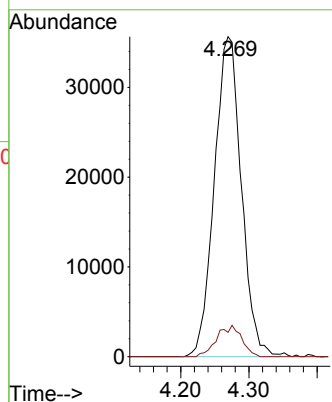
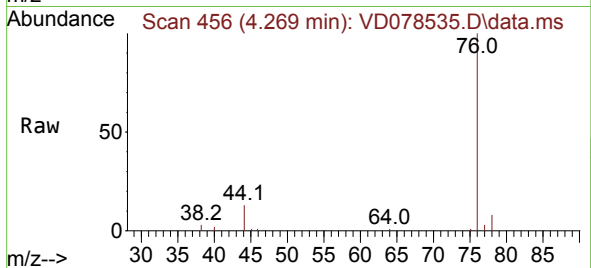
Instrument :

MSVOA_D

ClientSampleId :

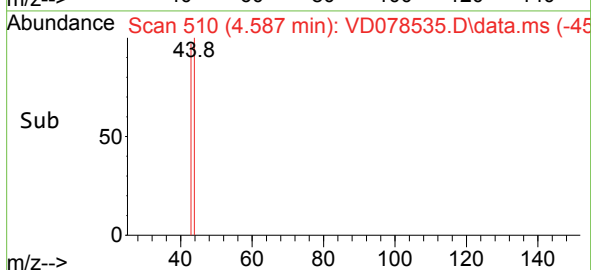
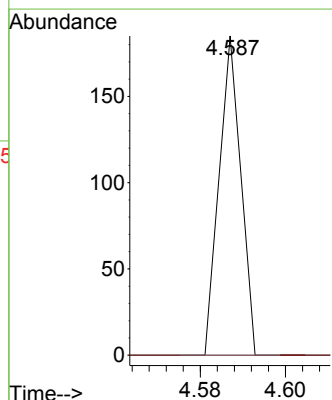
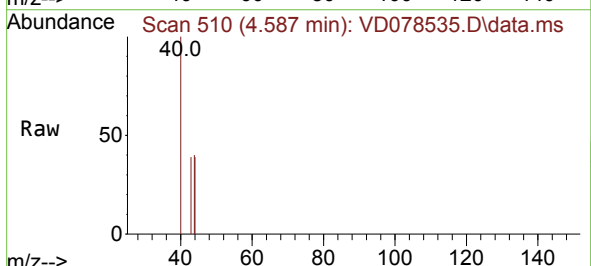
20241103-AMENDED-COMPOSITE-35N-N-4-02

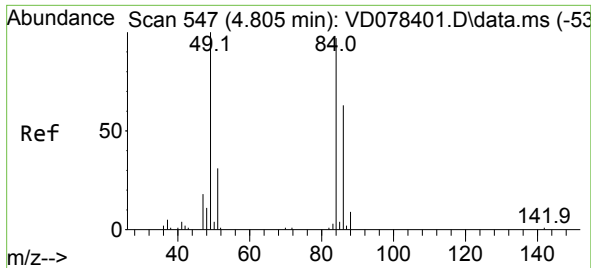
Tgt Ion: 76 Resp: 98025
Ion Ratio Lower Upper
76 100
78 7.6 6.8 10.2



#18
Methyl Acetate
Concen: 4.007 ug/l
RT: 4.587 min Scan# 510
Delta R.T. 0.012 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

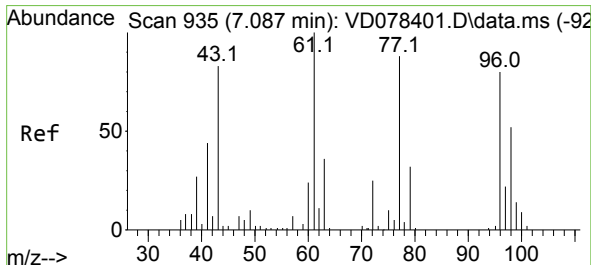
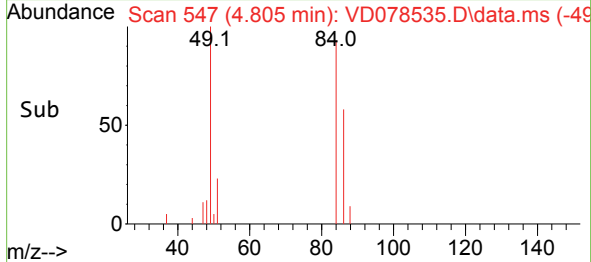
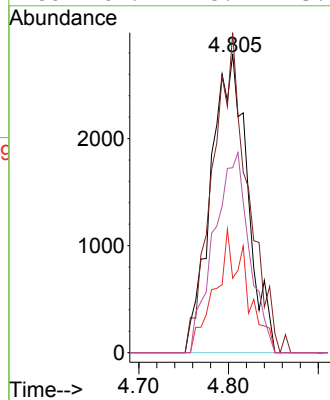
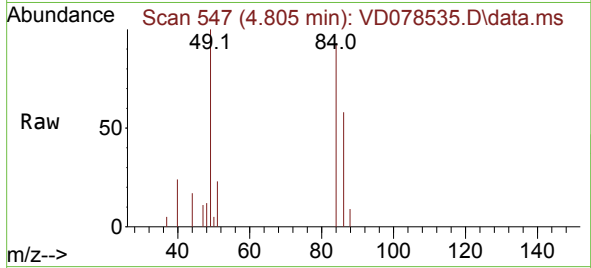




#20
Methylene Chloride
Concen: 2.677 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

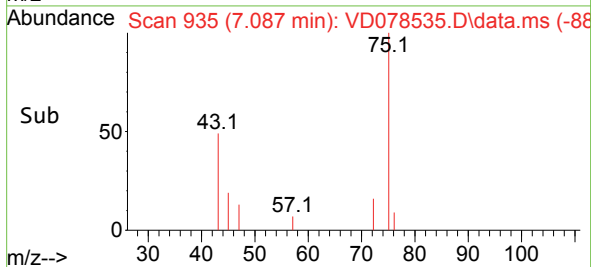
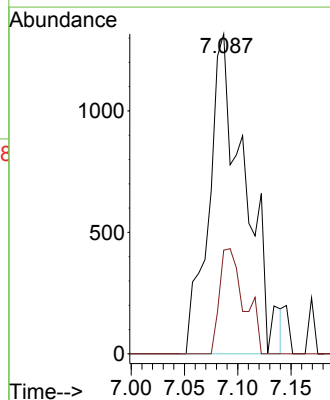
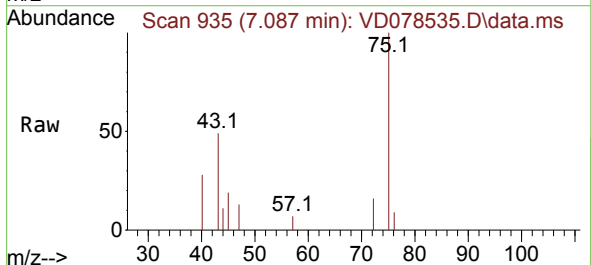
Instrument : MSVOA_D
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02

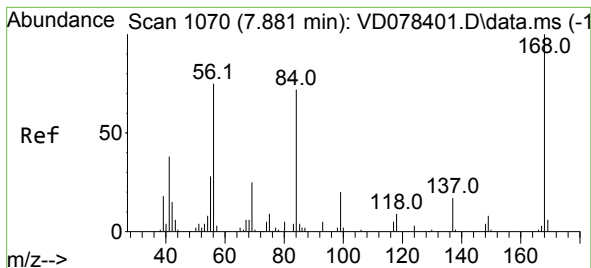
Tgt Ion:	84	Resp:	7890
Ion	Ratio	Lower	Upper
84	100		
49	107.1	71.4	107.2
51	24.9	24.5	36.7
86	61.9	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion:	43	Resp:	3102
Ion	Ratio	Lower	Upper
43	100		
72	32.4	30.7	46.1





#31

Cyclohexane

Concen: 1.092 ug/l

RT: 7.881 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD078535.D

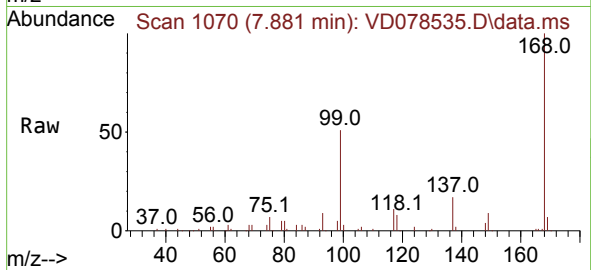
Acq: 23 Feb 2024 14:50

Instrument :

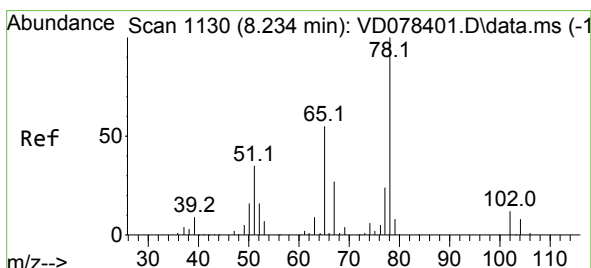
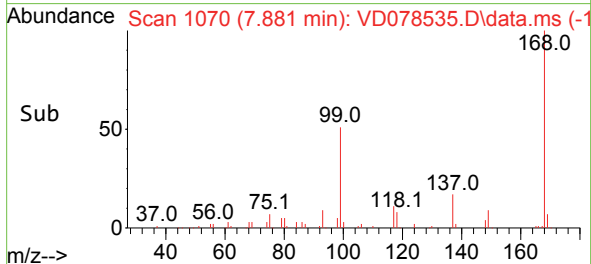
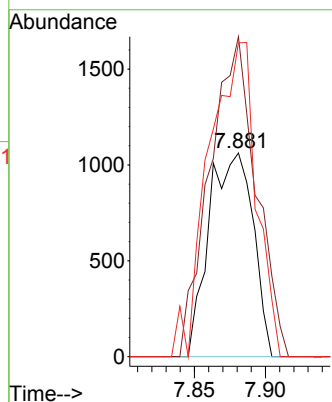
MSVOA_D

ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02



Tgt Ion:	56	Resp:	2297
Ion Ratio	Lower	Upper	
56	100		
69	157.2	28.6	43.0#
84	154.1	84.8	127.2#



#33

1,2-Dichloroethane-d4

Concen: 36.582 ug/l

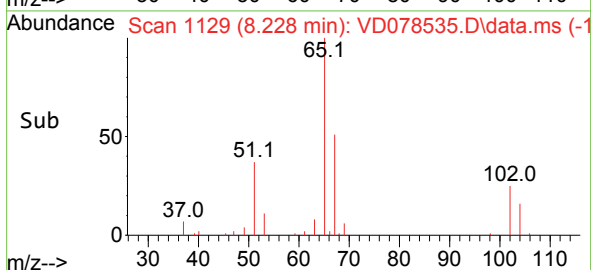
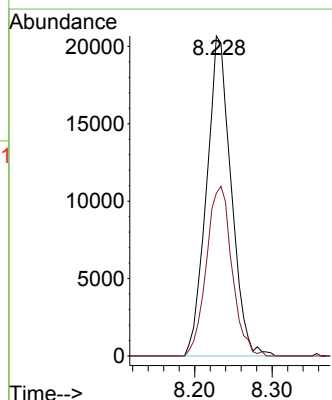
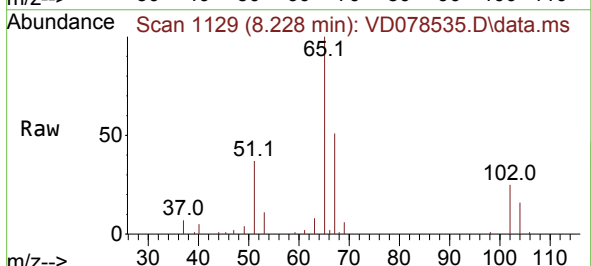
RT: 8.228 min Scan# 1129

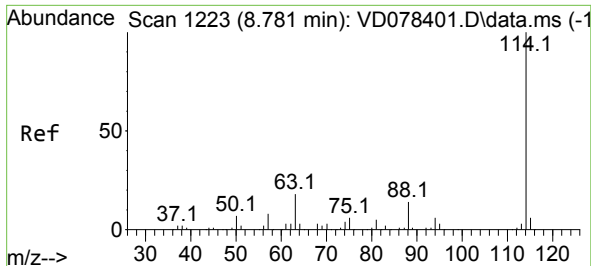
Delta R.T. -0.006 min

Lab File: VD078535.D

Acq: 23 Feb 2024 14:50

Tgt Ion:	65	Resp:	45491
Ion Ratio	Lower	Upper	
65	100		
67	55.1	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: VD078535.D

Acq: 23 Feb 2024 14:50

Instrument :

MSVOA_D

ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02

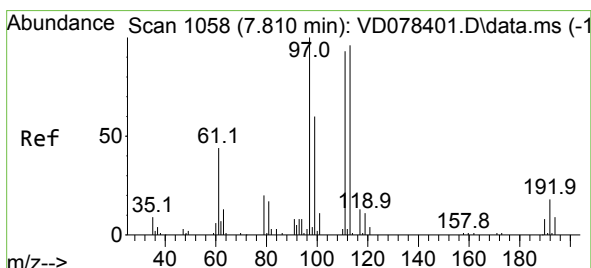
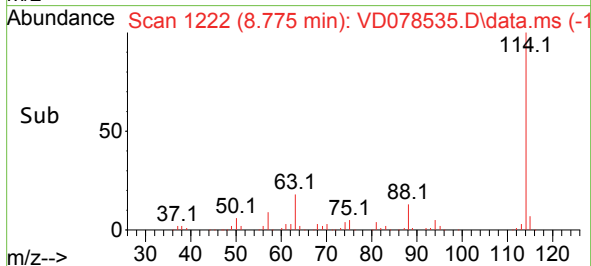
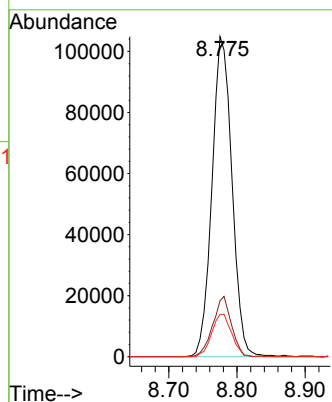
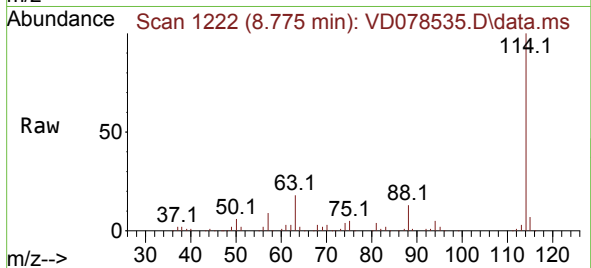
Tgt Ion:114 Resp: 213726

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 28.085 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078535.D

Acq: 23 Feb 2024 14:50

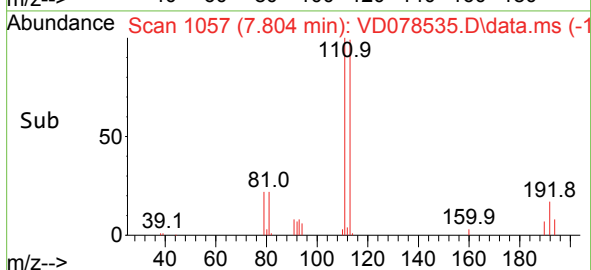
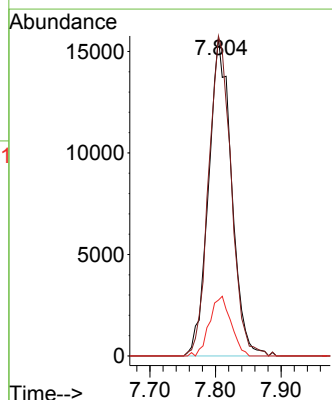
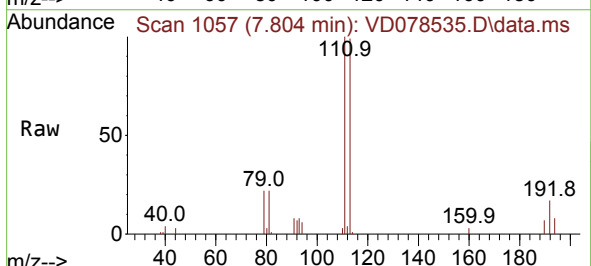
Tgt Ion:113 Resp: 38129

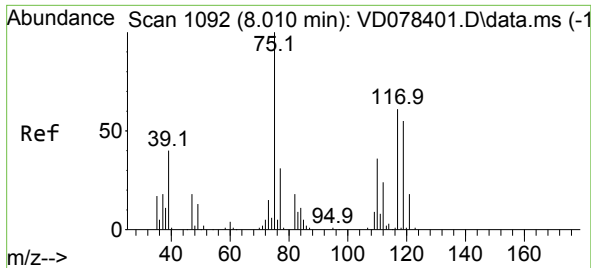
Ion Ratio Lower Upper

113 100

111 99.1 84.7 127.1

192 17.5 16.8 25.2





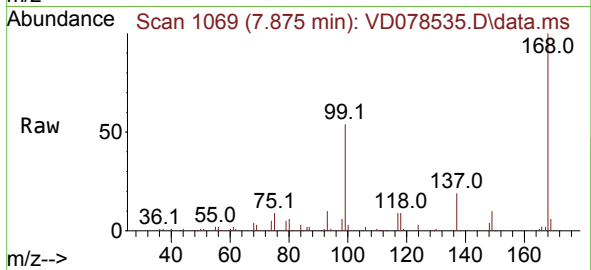
#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.135 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Instrument :

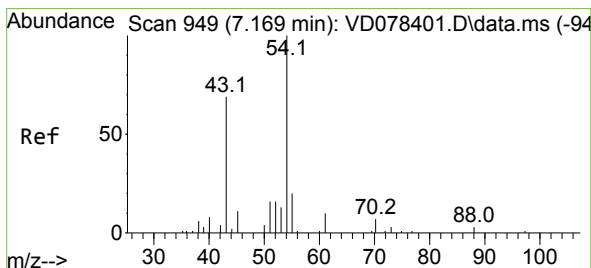
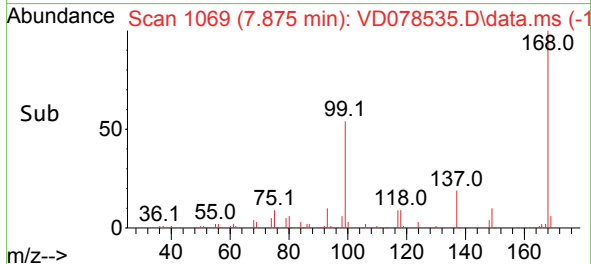
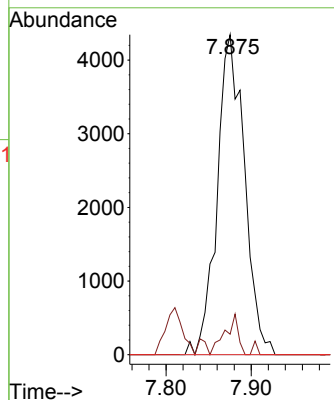
MSVOA_D

ClientSampleId :

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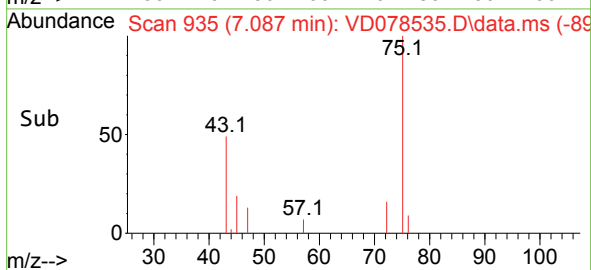
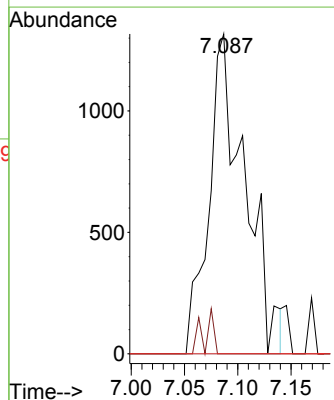
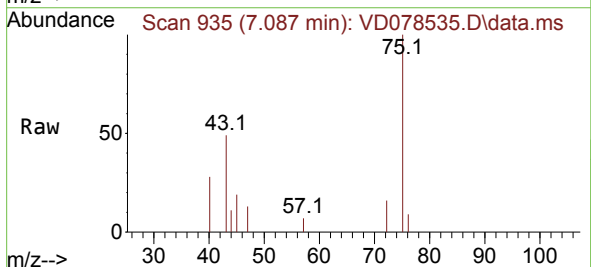


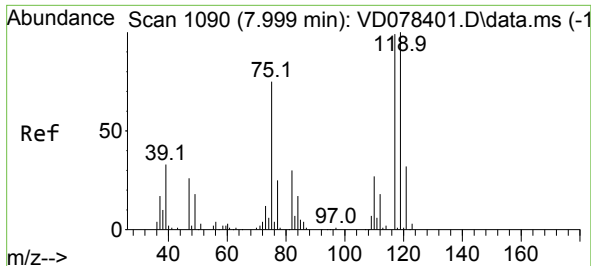
Tgt Ion: 75 Resp: 9672
Ion Ratio Lower Upper
75 100
110 6.2 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.196 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#





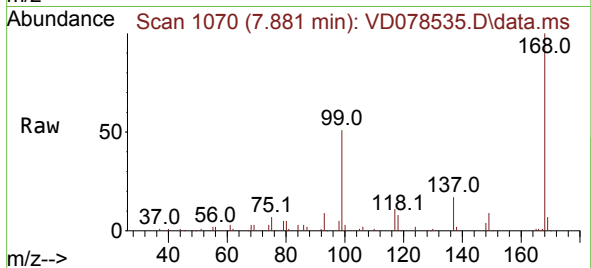
#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 7.881 min Scan# 1090
Delta R.T. -0.118 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Instrument :

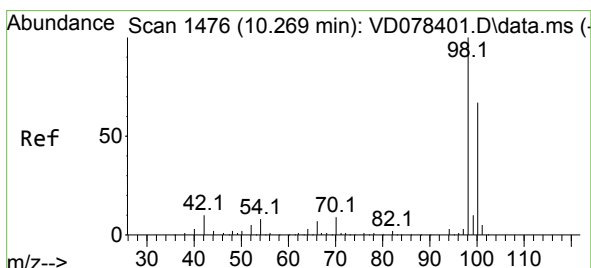
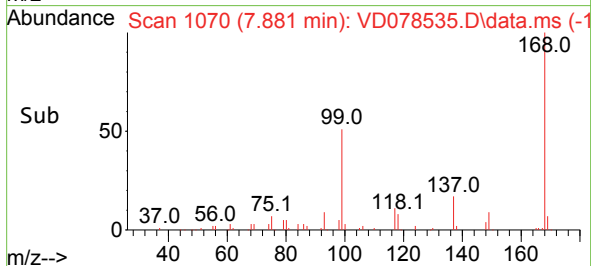
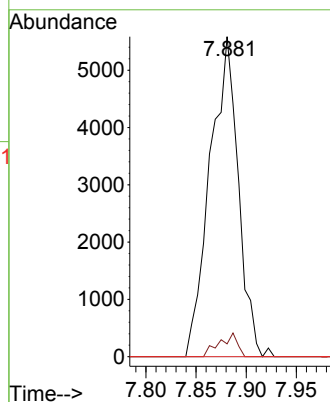
MSVOA_D

ClientSampleId :

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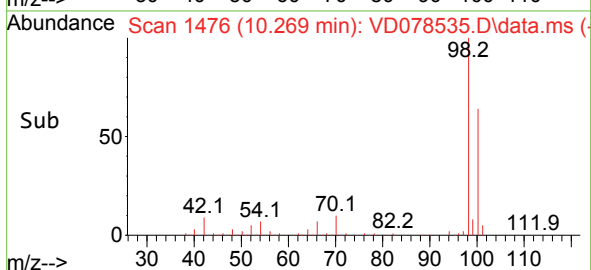
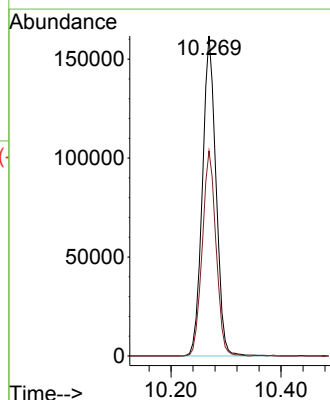
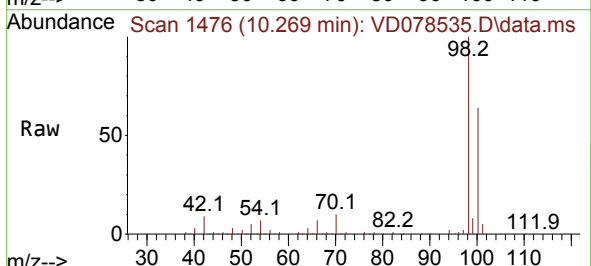


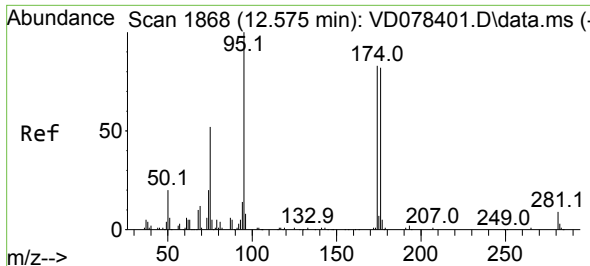
Tgt Ion:117 Resp: 10989
Ion Ratio Lower Upper
117 100
119 4.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.063 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion: 98 Resp: 277314
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5





#62
4-Bromofluorobenzene
Concen: 64.066 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

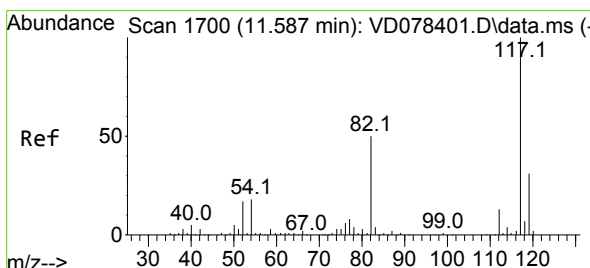
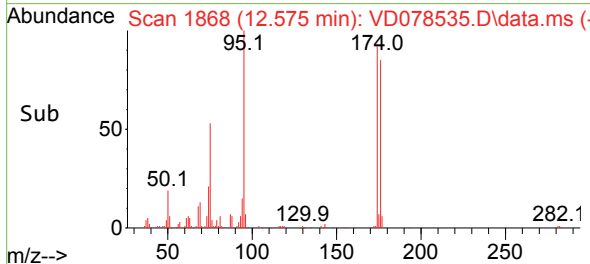
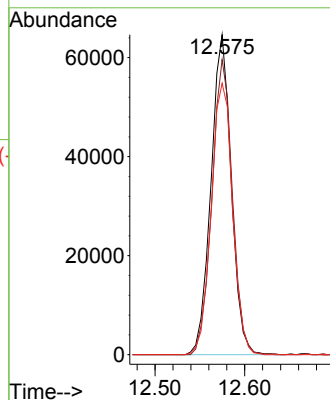
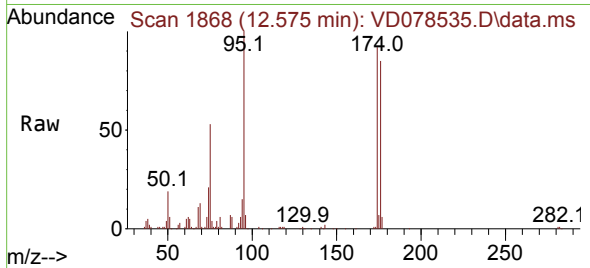
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MSVOA_D

ClientSampleId :

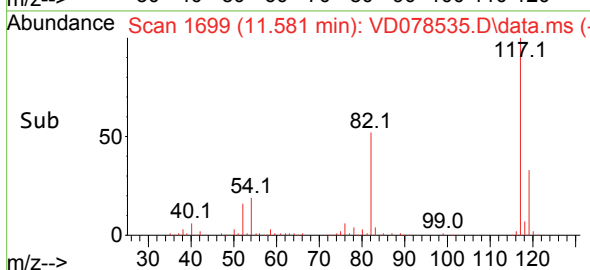
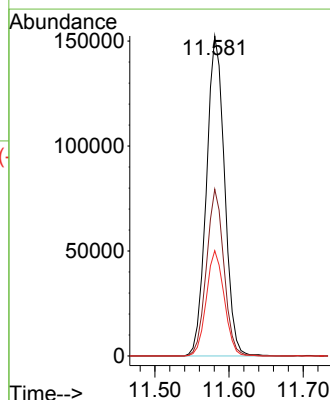
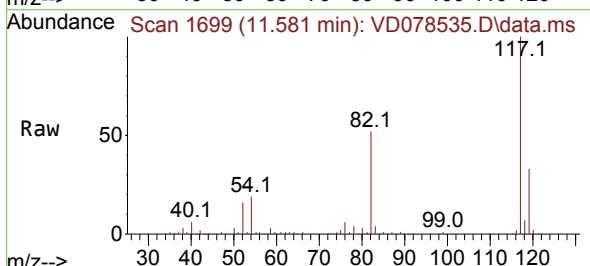
20241103-AMENDED-COMPOSITE-35N-N-4-02

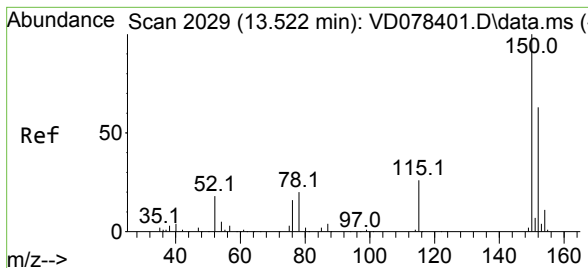
Tgt Ion: 95 Resp: 101251
Ion Ratio Lower Upper
95 100
174 93.2 0.0 201.8
176 89.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078535.D
Acq: 23 Feb 2024 14:50

Tgt Ion: 117 Resp: 258982
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 32.9 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD078535.D

Acq: 23 Feb 2024 14:50

Instrument :

MSVOA_D

ClientSampleId :

20241103-AMENDED-COMPOSITE-35N-N-4-02

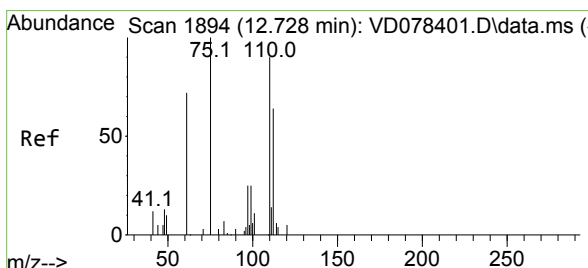
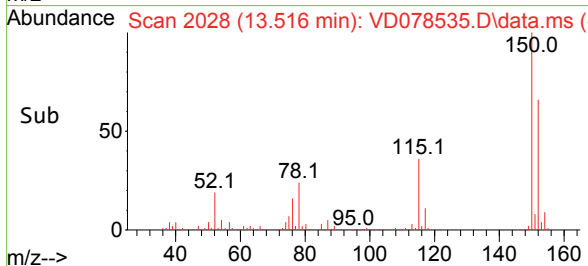
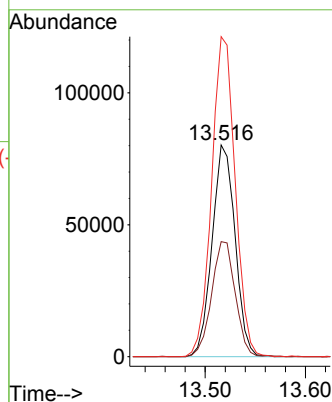
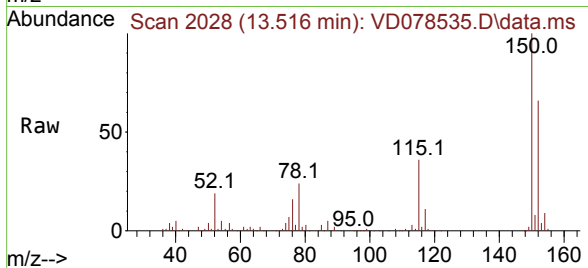
Tgt Ion:152 Resp: 127907

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 154.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.671 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078535.D

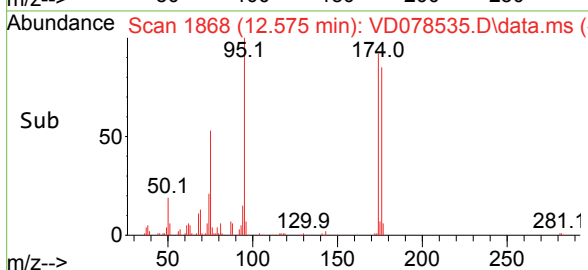
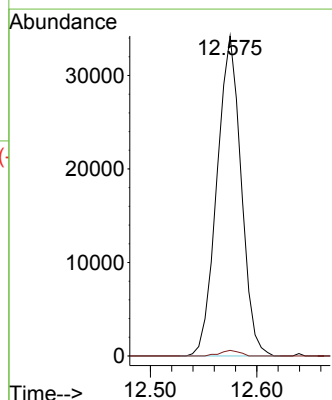
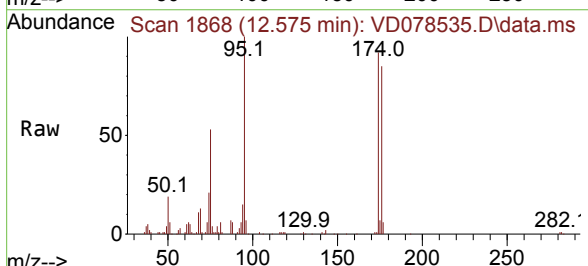
Acq: 23 Feb 2024 14:50

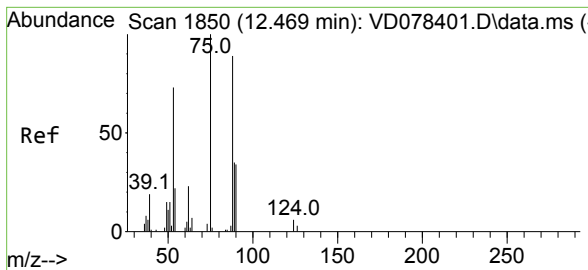
Tgt Ion: 75 Resp: 53937

Ion Ratio Lower Upper

75 100

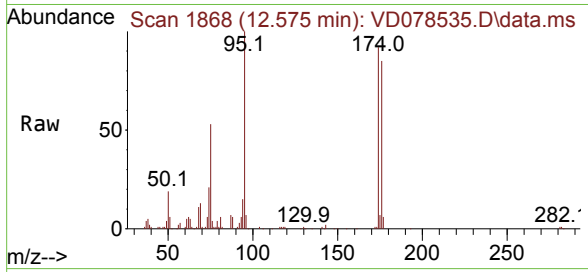
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.117 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078535.D
 Acq: 23 Feb 2024 14:50

Instrument : MSVOA_D
 ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02



Tgt Ion:	75	Resp:	53937
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

