

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078521.D
 Acq On : 22 Feb 2024 16:58
 Operator : RP/MD
 Sample : P1538-12
 Misc : 5.04G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241105-AMENDED-COMPOSITE-35N-N-4-04

Quant Time: Feb 23 01:05:58 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)

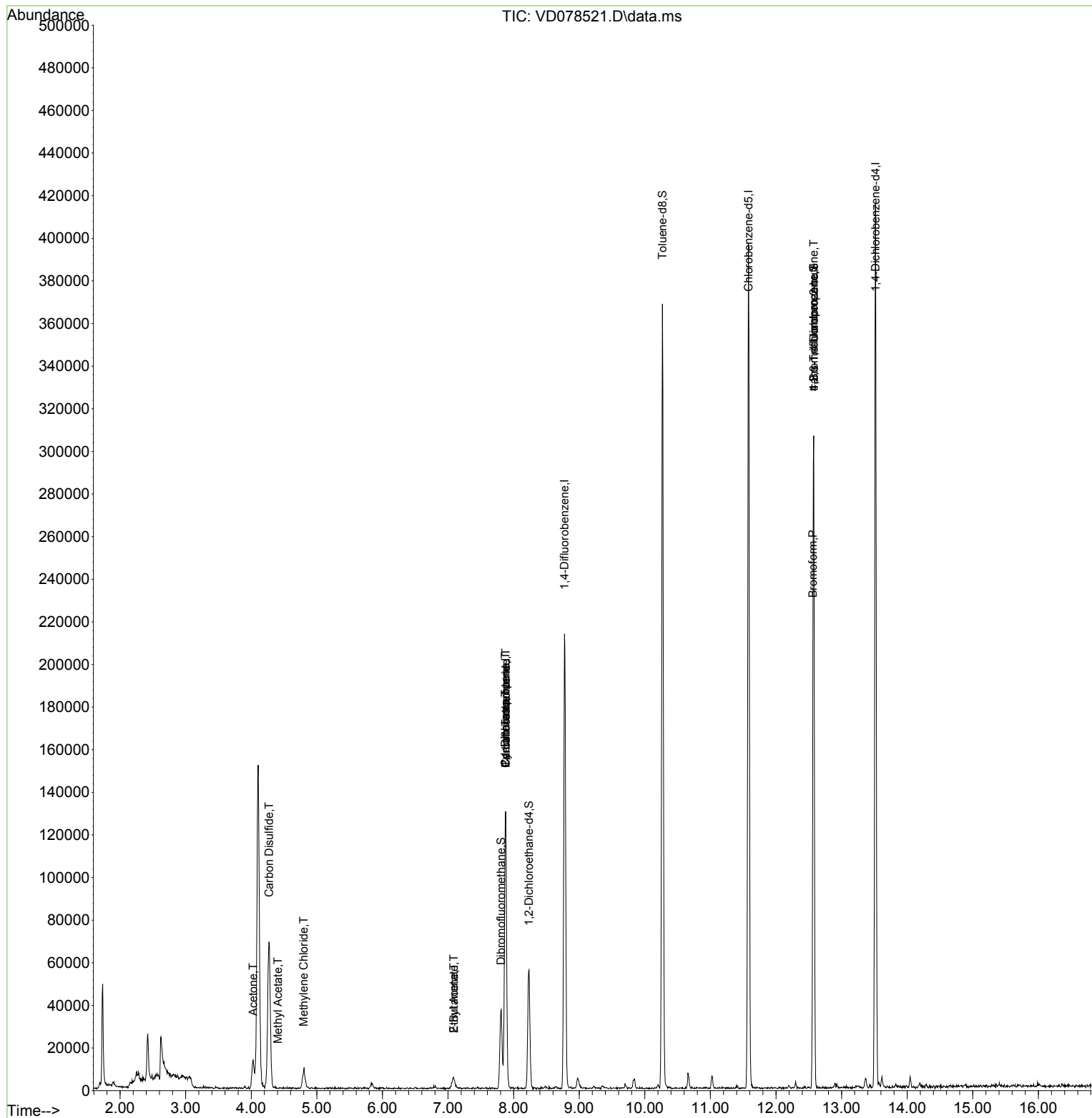
Internal Standards						
1) Pentafluorobenzene	7.881	168	100671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	196636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	234943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	43271	39.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.500%		
35) Dibromofluoromethane	7.810	113	28217	22.590	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.180%#		
50) Toluene-d8	10.269	98	252970	50.629	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.260%		
62) 4-Bromofluorobenzene	12.575	95	90844	62.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	124.960%		
Target Compounds					Qvalue	
16) Acetone	4.028	43	22156	88.647	ug/l	92
17) Carbon Disulfide	4.269	76	147703	39.998	ug/l	98
18) Methyl Acetate	4.405	43	56	4.006	ug/l #	42
20) Methylene Chloride	4.799	84	6372	2.215	ug/l #	91
25) 2-Butanone	7.087	43	4882	2.137	ug/l	90
31) Cyclohexane	7.875	56	2368	1.286	ug/l #	32
36) 1,1-Dichloropropene	7.875	75	8161	4.206	ug/l #	47
37) Ethyl Acetate	7.087	43	4882	7.177	ug/l #	62
38) Carbon Tetrachloride	7.881	117	10649	5.542	ug/l #	16
71) Bromoform	12.563	173	1219	1.334	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	49837	53.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49837	110.425	ug/l #	17

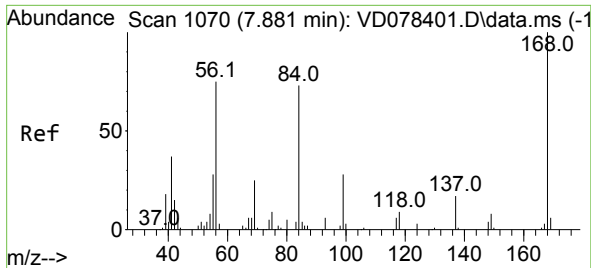
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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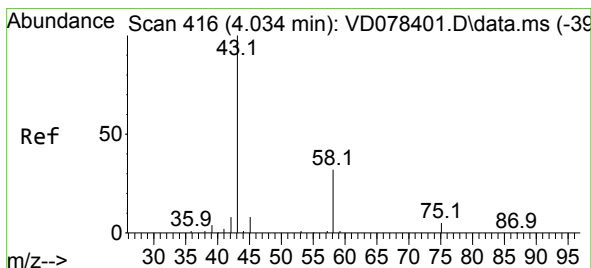
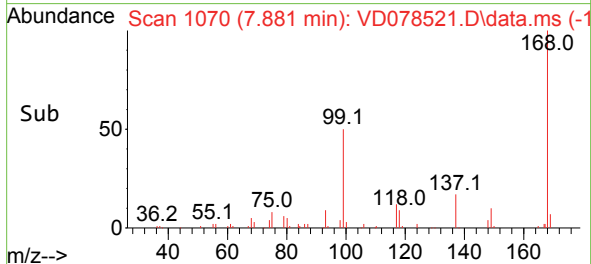
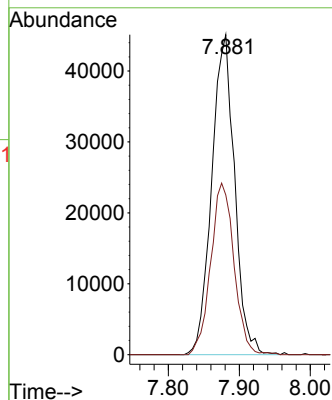
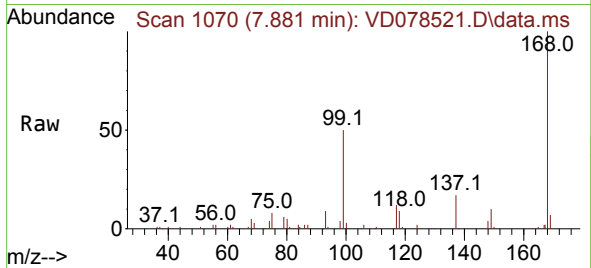




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

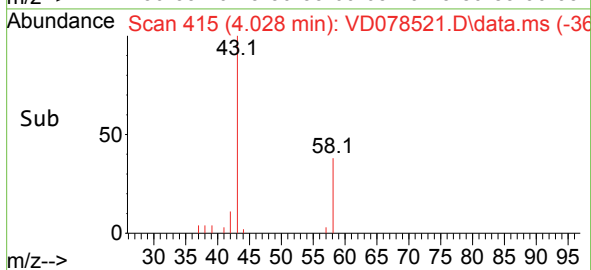
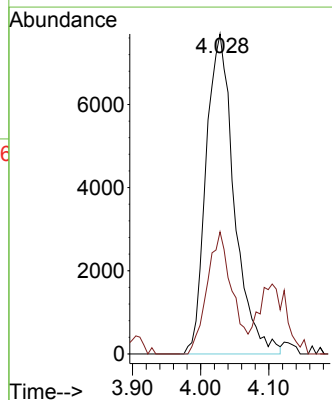
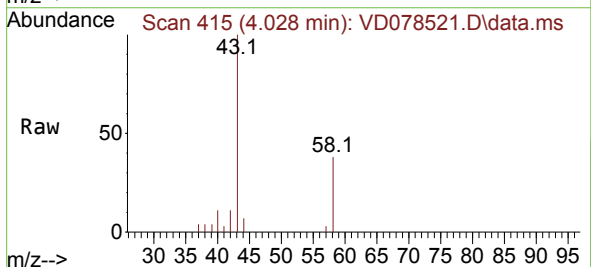
Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04

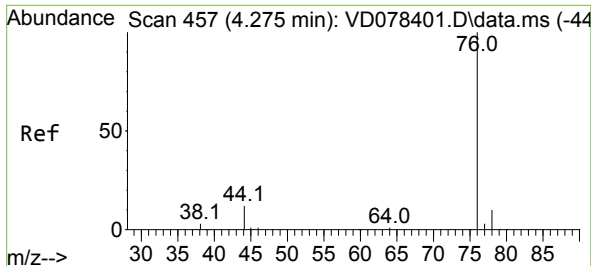
Tgt Ion:168 Resp: 100671
Ion Ratio Lower Upper
168 100
99 49.9 36.7 55.1



#16
Acetone
Concen: 88.647 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 43 Resp: 22156
Ion Ratio Lower Upper
43 100
58 38.1 34.7 52.1





#17
Carbon Disulfide
Concen: 39.998 ug/l
RT: 4.269 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

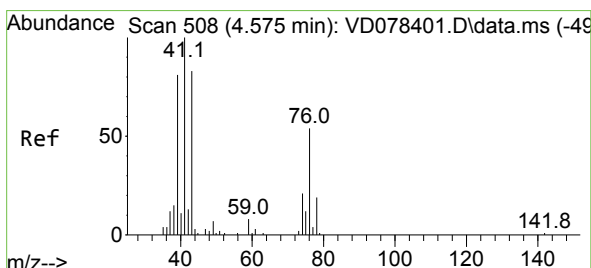
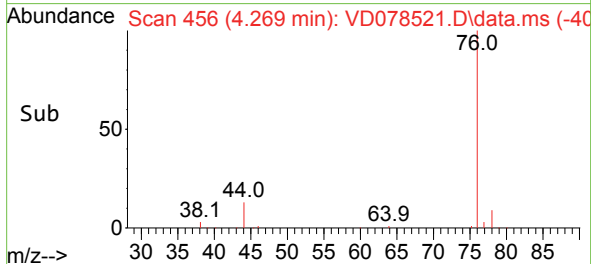
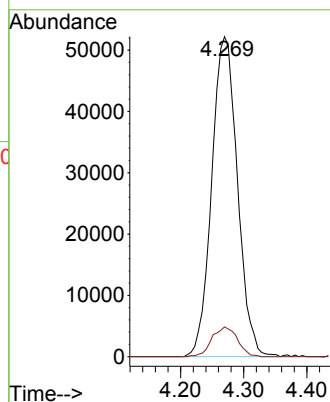
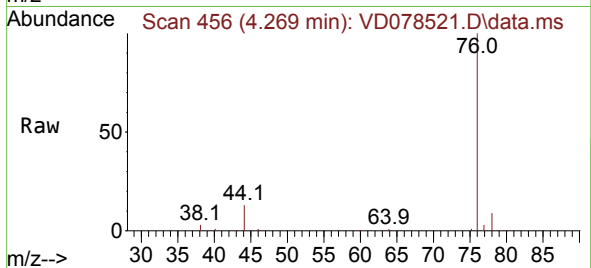
Instrument :

MSVOA_D

ClientSampleId :

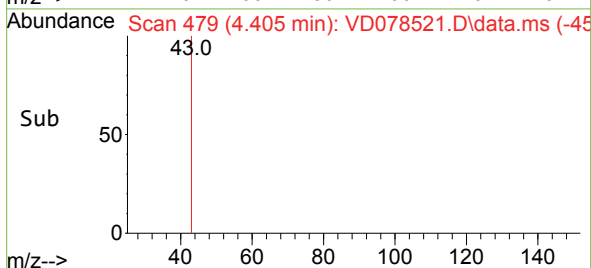
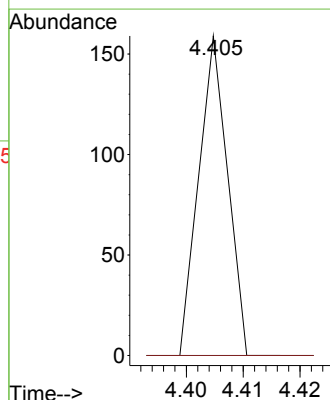
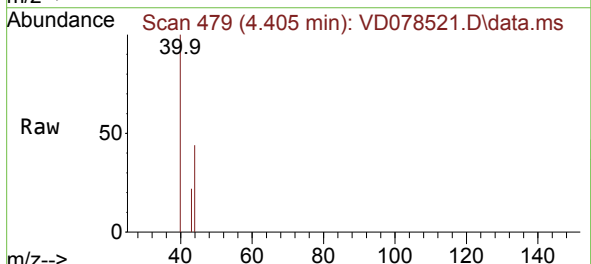
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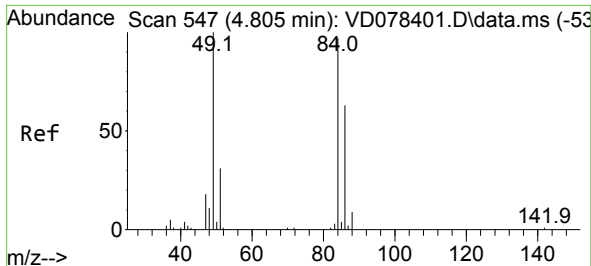
Tgt Ion: 76 Resp: 147703
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.006 ug/l
RT: 4.405 min Scan# 479
Delta R.T. -0.170 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





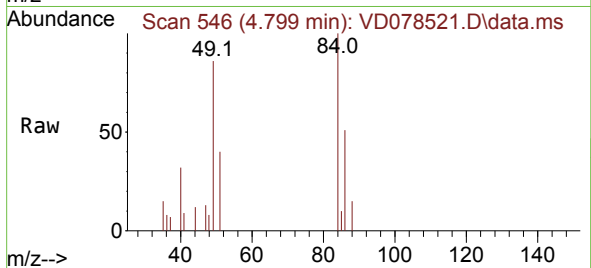
#20
Methylene Chloride
Concen: 2.215 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Instrument :

MSVOA_D

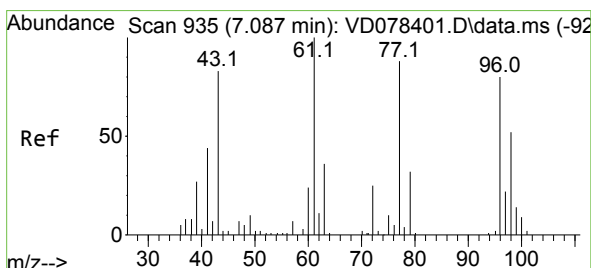
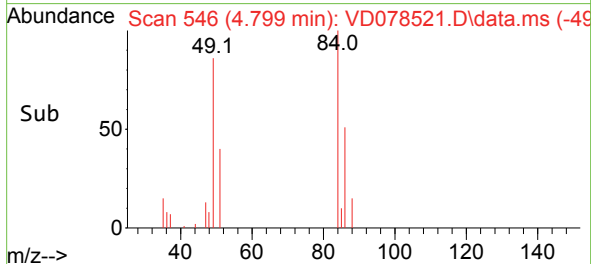
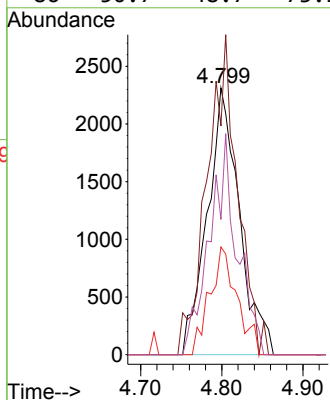
ClientSampleId :

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Tgt Ion: 84 Resp: 6372

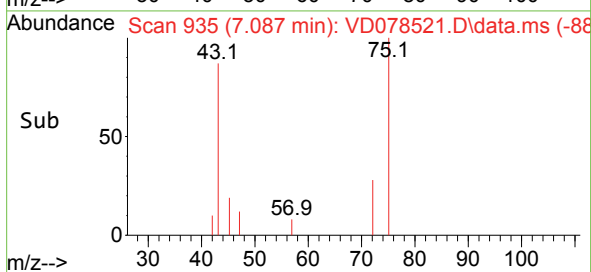
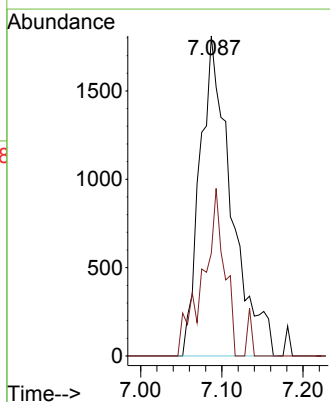
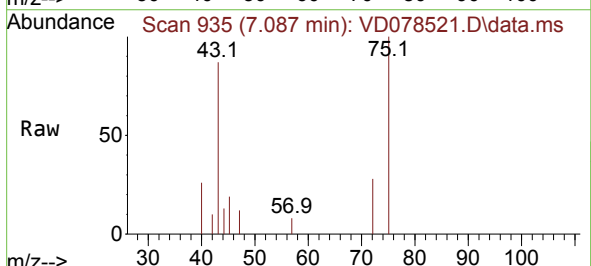
Ion	Ratio	Lower	Upper
84	100		
49	85.7	71.4	107.2
51	40.4	24.5	36.7
86	50.7	48.7	73.1

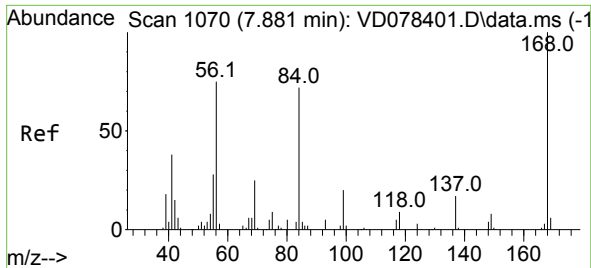


#25
2-Butanone
Concen: 2.137 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 43 Resp: 4882

Ion	Ratio	Lower	Upper
43	100		
72	32.1	30.7	46.1





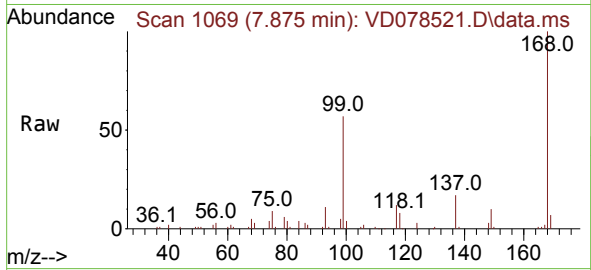
#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Instrument :

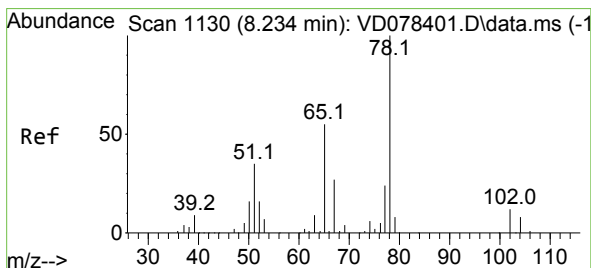
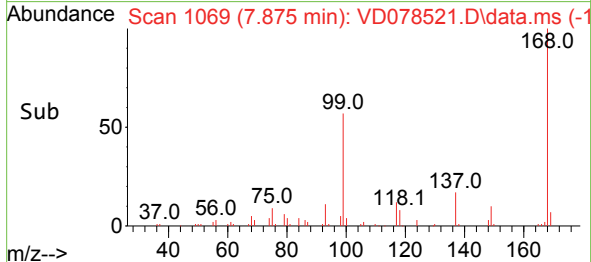
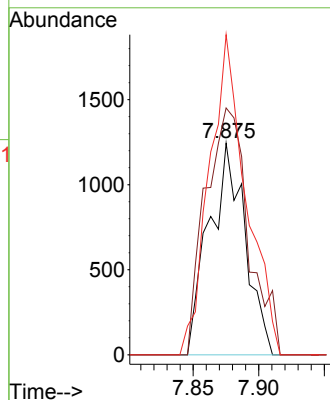
MSVOA_D

ClientSampleId :

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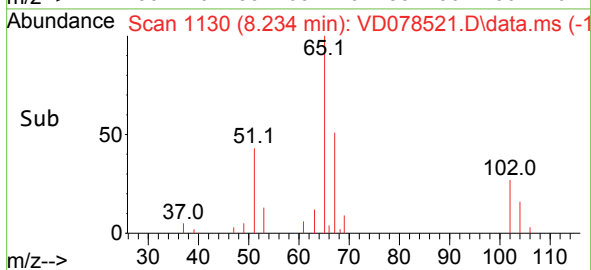
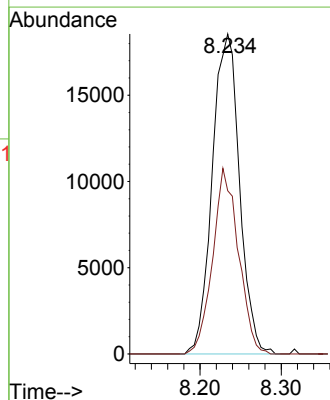
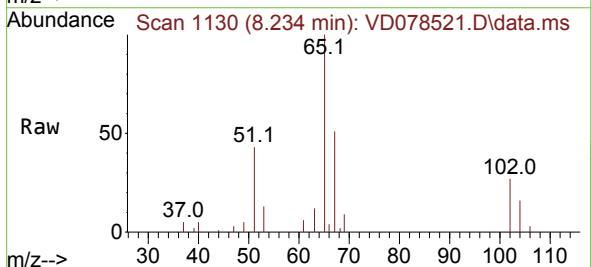


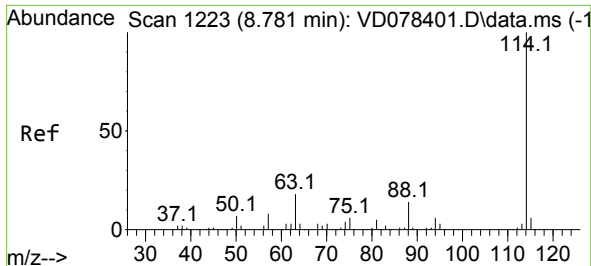
Tgt Ion: 56 Resp: 2368
Ion Ratio Lower Upper
56 100
69 116.6 28.6 43.0#
84 151.3 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.753 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 65 Resp: 43271
Ion Ratio Lower Upper
65 100
67 54.8 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: VD078521.D
Acq: 22 Feb 2024 16:58

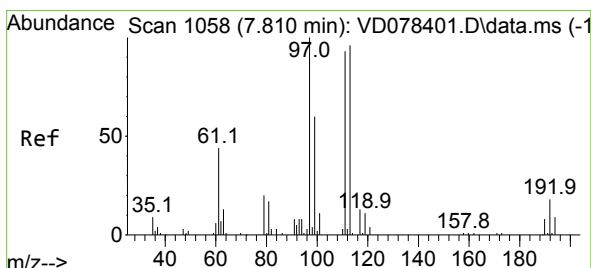
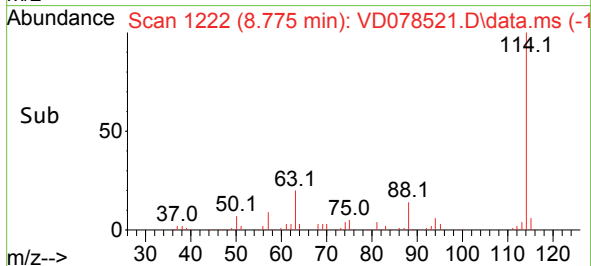
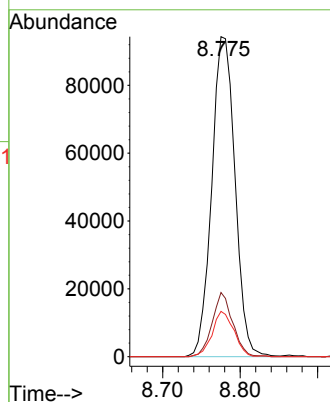
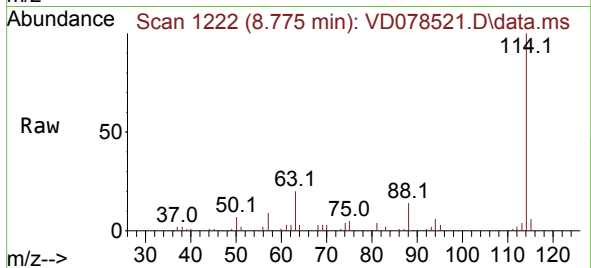
Instrument :

MSVOA_D

ClientSampleId :

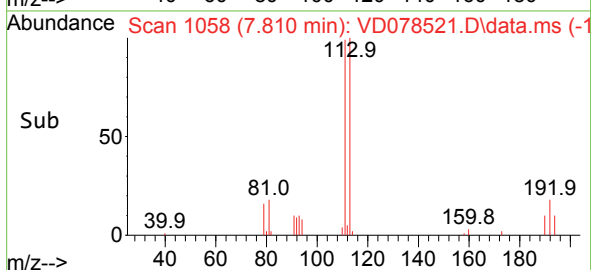
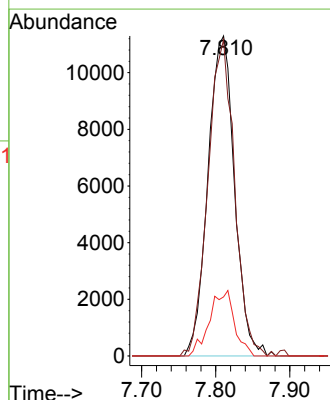
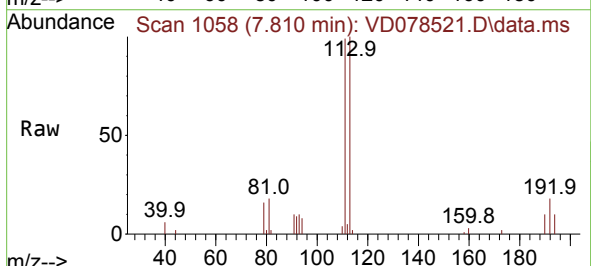
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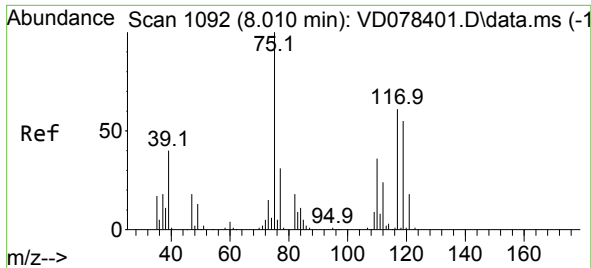
Tgt Ion:114 Resp: 196636
Ion Ratio Lower Upper
114 100
63 20.0 0.0 33.4
88 14.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 22.590 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion:113 Resp: 28217
Ion Ratio Lower Upper
113 100
111 98.3 84.7 127.1
192 19.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.206 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD078521.D

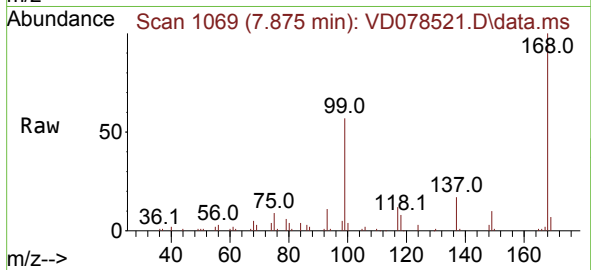
Acq: 22 Feb 2024 16:58

Instrument :

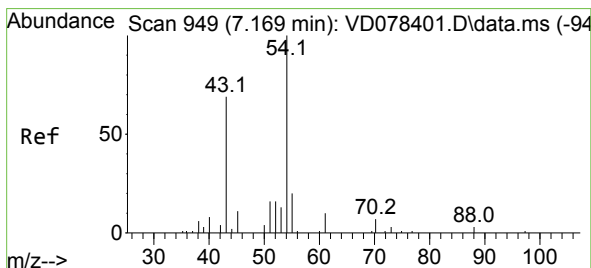
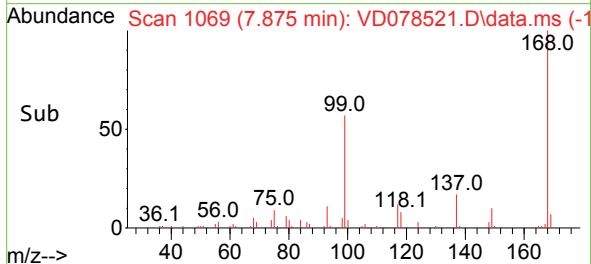
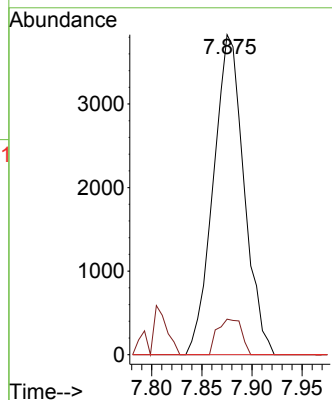
MSVOA_D

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Tgt Ion: 75	Resp: 8161
Ion Ratio	Lower Upper
75	100
110	8.7 19.9 59.6#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 7.177 ug/l

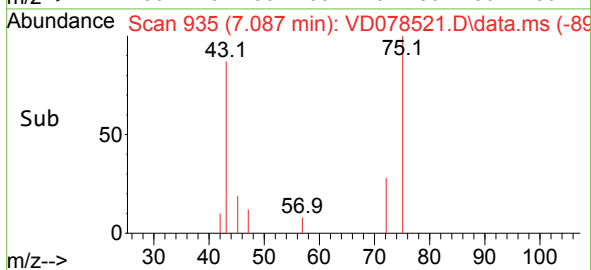
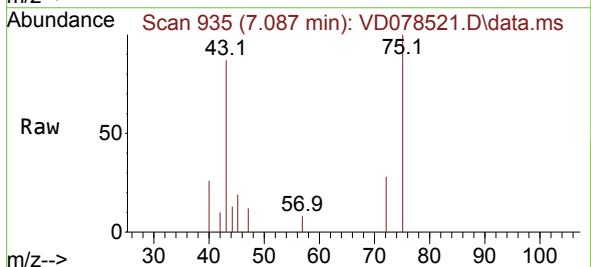
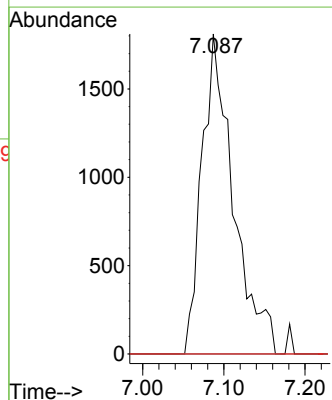
RT: 7.087 min Scan# 935

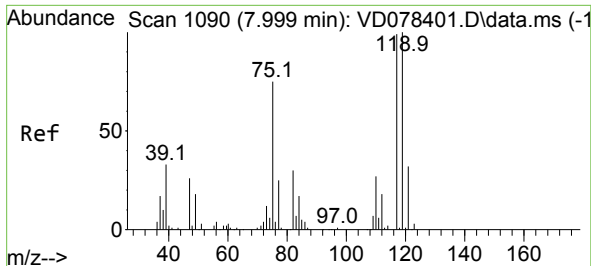
Delta R.T. -0.082 min

Lab File: VD078521.D

Acq: 22 Feb 2024 16:58

Tgt Ion: 43	Resp: 4882
Ion Ratio	Lower Upper
43	100
61	0.0 14.9 22.3#
70	0.0 10.0 15.0#





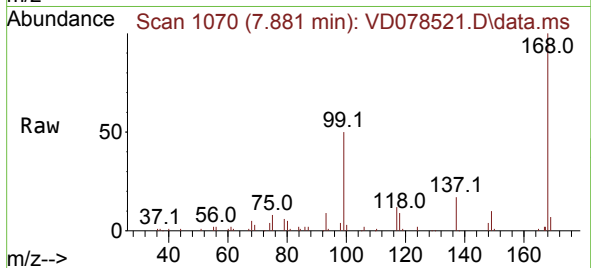
#38
Carbon Tetrachloride
Concen: 5.542 ug/l
RT: 7.881 min Scan# 1090
Delta R.T. -0.118 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Instrument :

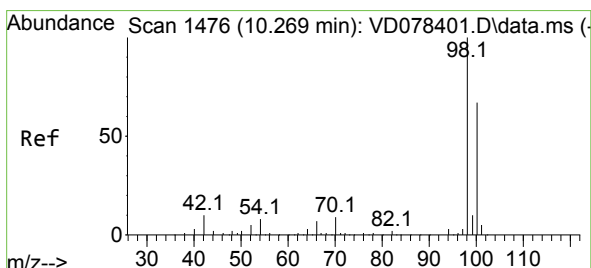
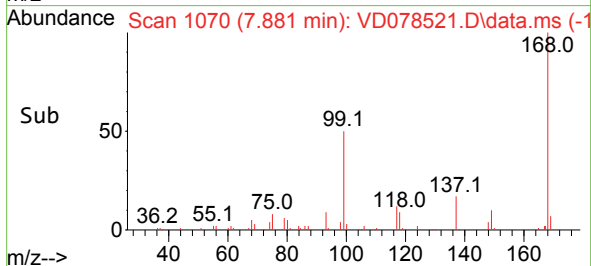
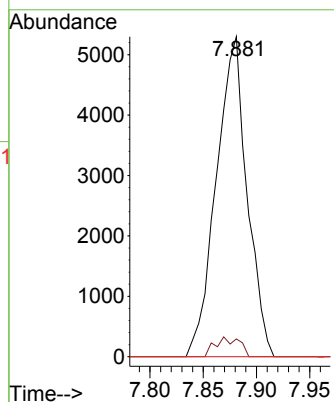
MSVOA_D

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

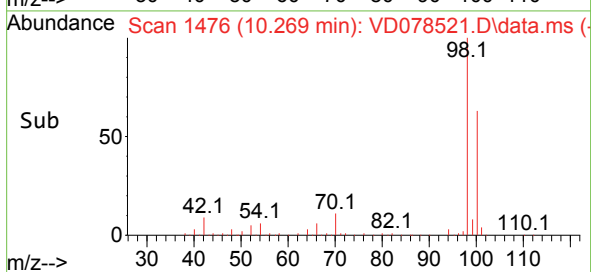
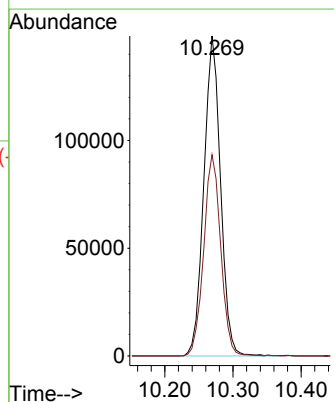
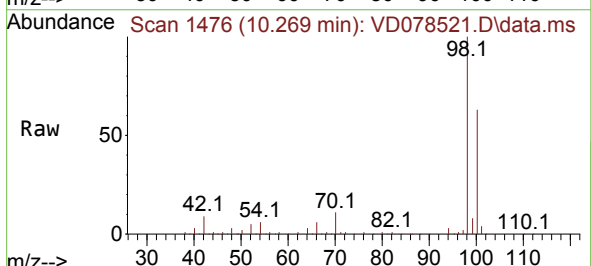


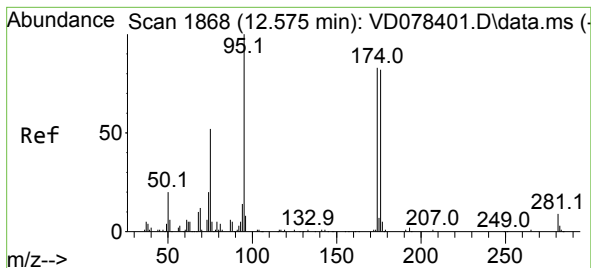
Tgt Ion:117 Resp: 10649
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.629 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 98 Resp: 252970
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5





#62
4-Bromofluorobenzene
Concen: 62.477 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

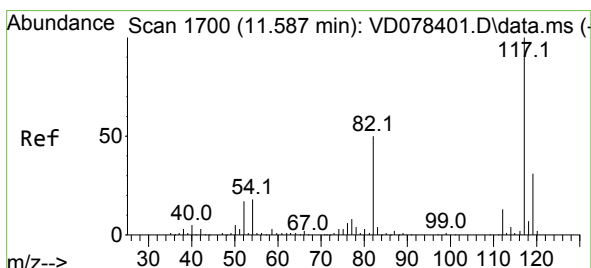
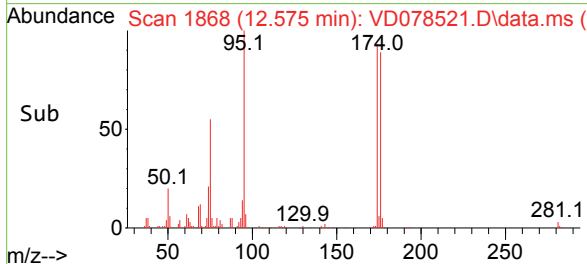
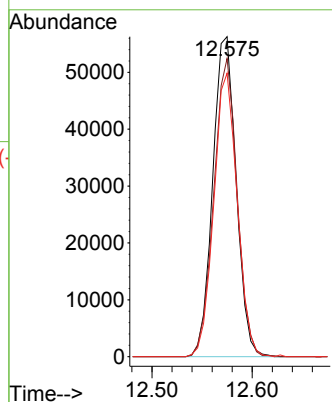
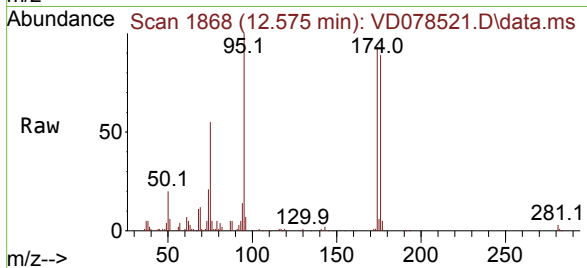
Instrument :

MSVOA_D

ClientSampleId :

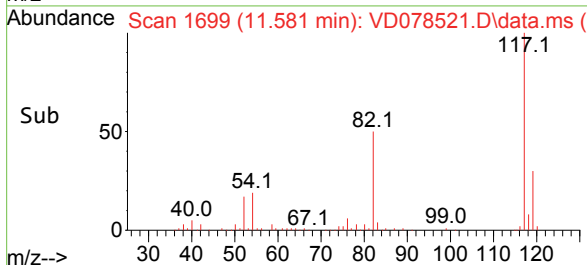
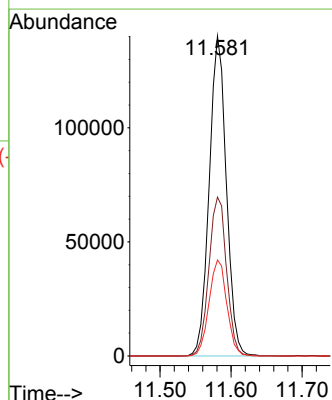
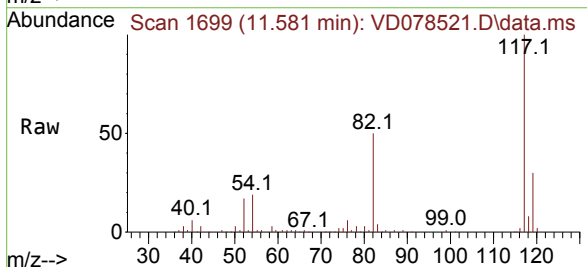
20241105-AMENDED-COMPOSITE-35N-N-4-04

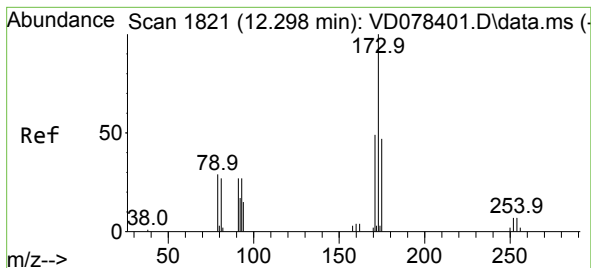
Tgt Ion: 95 Resp: 90844
Ion Ratio Lower Upper
95 100
174 93.2 0.0 201.8
176 88.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 117 Resp: 234943
Ion Ratio Lower Upper
117 100
82 49.7 38.3 57.5
119 30.0 25.0 37.4





#71

Bromoform

Concen: 1.334 ug/l

RT: 12.563 min Scan# 1866

Delta R.T. 0.265 min

Lab File: VD078521.D

Acq: 22 Feb 2024 16:58

Instrument :

MSVOA_D

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04

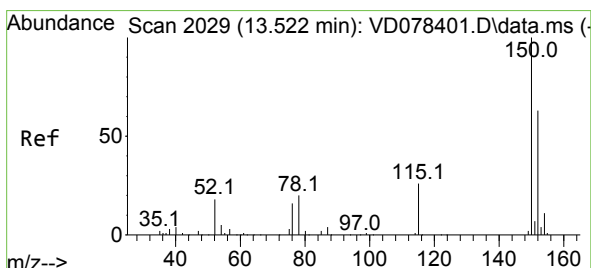
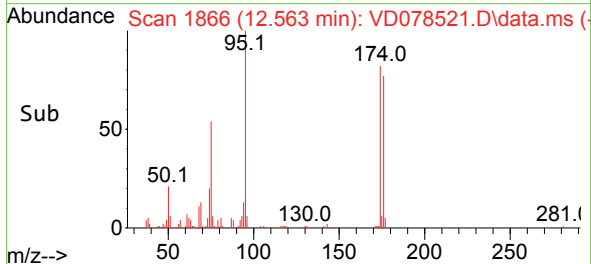
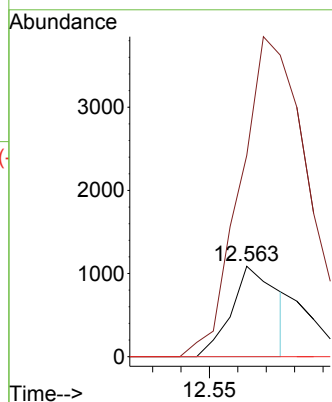
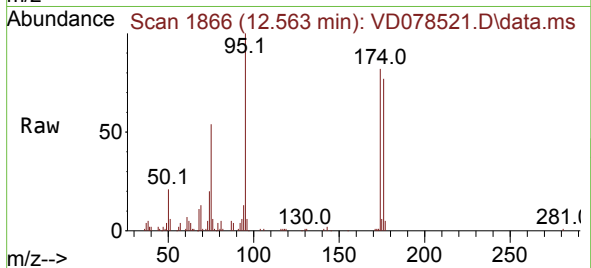
Tgt Ion:173 Resp: 1219

Ion Ratio Lower Upper

173 100

175 345.6 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: VD078521.D

Acq: 22 Feb 2024 16:58

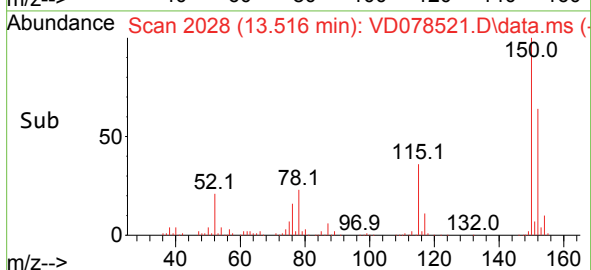
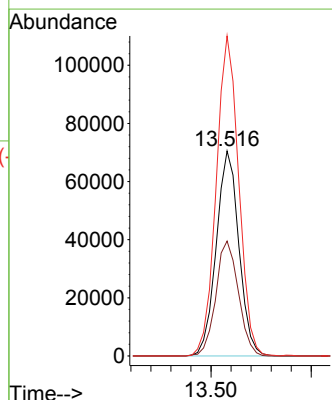
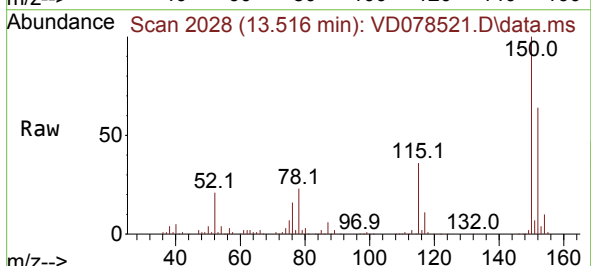
Tgt Ion:152 Resp: 110363

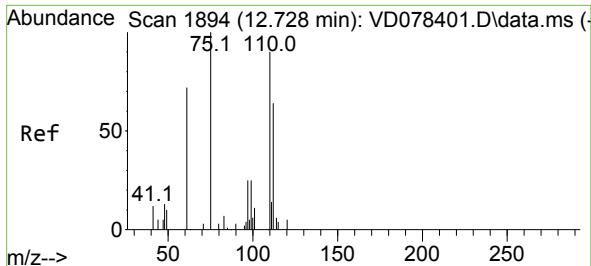
Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 155.0 0.0 353.6





#76
1,2,3-Trichloropropane
Concen: 53.191 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

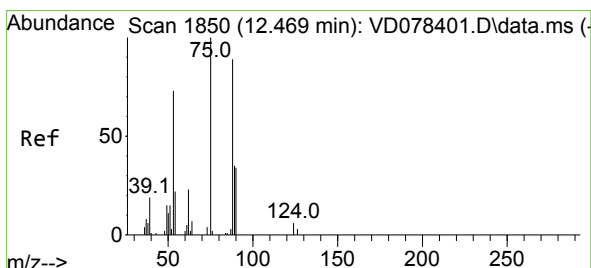
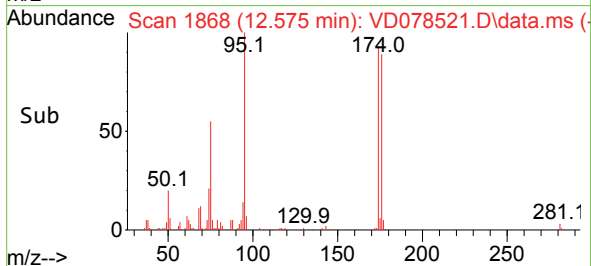
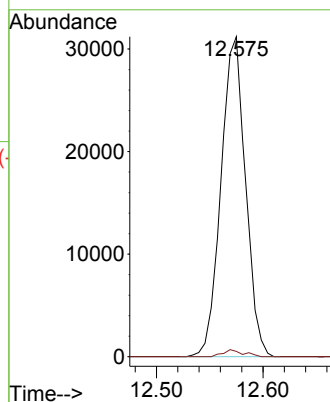
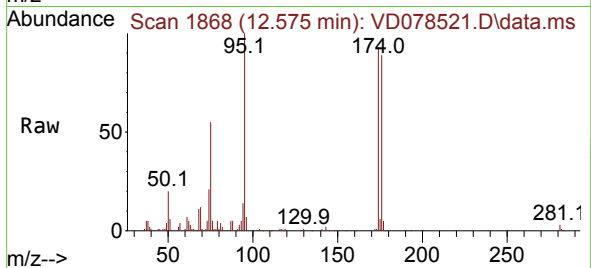
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 75 Resp: 49837
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.425 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078521.D
Acq: 22 Feb 2024 16:58

Tgt Ion: 75 Resp: 49837
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

