

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078539.D
 Acq On : 23 Feb 2024 16:42
 Operator : RP/MD
 Sample : P1538-13
 Misc : 4.99G/6ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241106-AMENDED-COMPOSITE-35N-N-4-05

Quant Time: Feb 24 00:24:50 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)

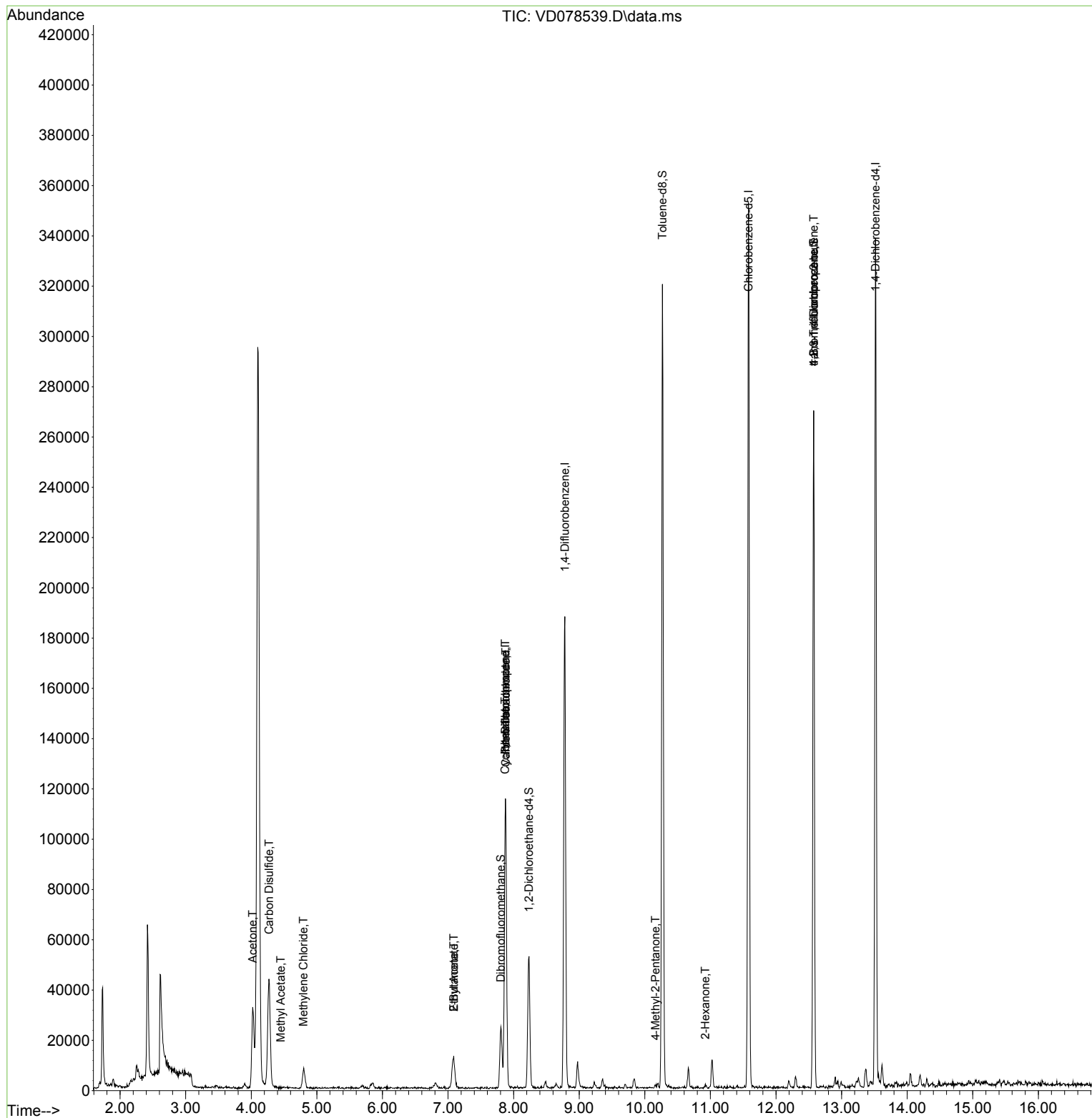
Internal Standards						
1) Pentafluorobenzene	7.875	168	90227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	173347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	41476	42.514	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.020%
35) Dibromofluoromethane	7.805	113	18264	16.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	33.180%#
50) Toluene-d8	10.269	98	220928	50.156	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.575	95	80379	62.707	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	125.420%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	52502	284.272	ug/l	90
17) Carbon Disulfide	4.270	76	89681	27.096	ug/l	99
18) Methyl Acetate	4.452	43	62	4.022	ug/l #	42
20) Methylene Chloride	4.793	84	6293	2.776	ug/l #	76
23) Vinyl Acetate	6.328	43	53	Below Cal	#	63
25) 2-Butanone	7.087	43	12073	35.365	ug/l	93
31) Cyclohexane	7.869	56	2148	1.302	ug/l #	59
36) 1,1-Dichloropropene	7.875	75	7969	4.659	ug/l #	47
37) Ethyl Acetate	7.087	43	12073	20.134	ug/l #	62
38) Carbon Tetrachloride	7.881	117	9168	5.412	ug/l #	16
51) 4-Methyl-2-Pentanone	10.163	43	1054	1.788	ug/l	88
59) 2-Hexanone	10.922	43	1134	2.560	ug/l	67
76) 1,2,3-Trichloropropane	12.575	75	42942	54.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	42942	113.354	ug/l #	17

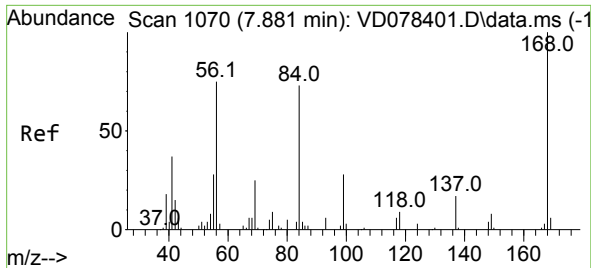
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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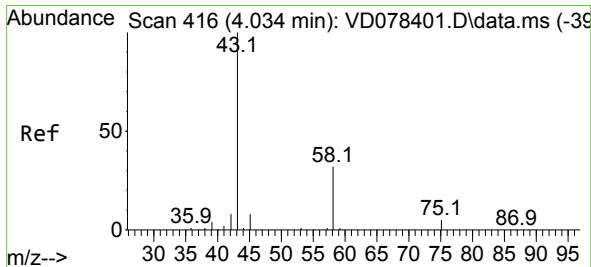
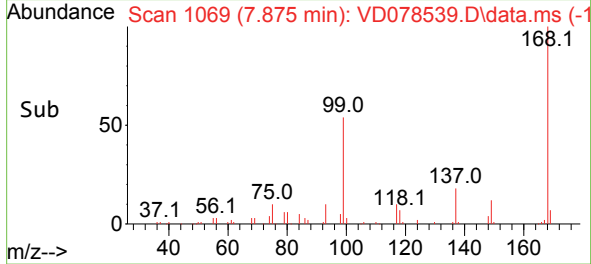
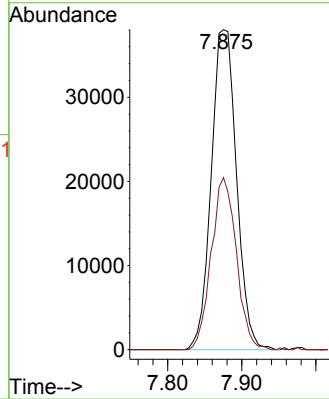
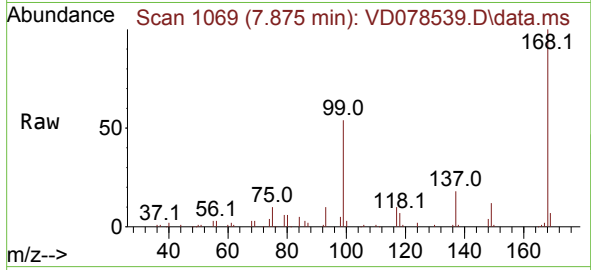




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

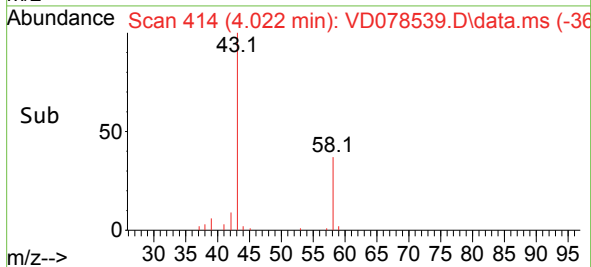
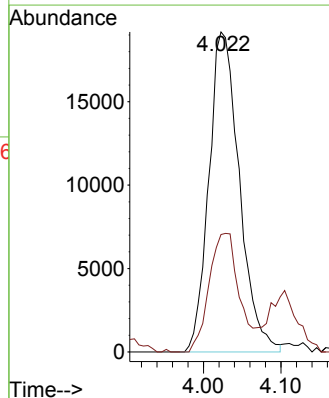
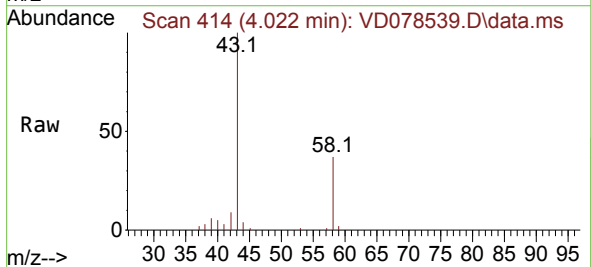
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ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05

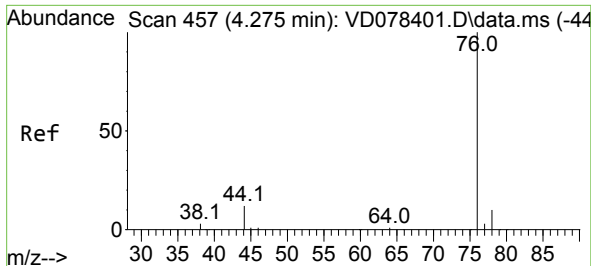
Tgt Ion:168 Resp: 90227
Ion Ratio Lower Upper
168 100
99 53.7 36.7 55.1



#16
Acetone
Concen: 284.272 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion: 43 Resp: 52502
Ion Ratio Lower Upper
43 100
58 36.7 34.7 52.1





#17
Carbon Disulfide
Concen: 27.096 ug/l
RT: 4.270 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

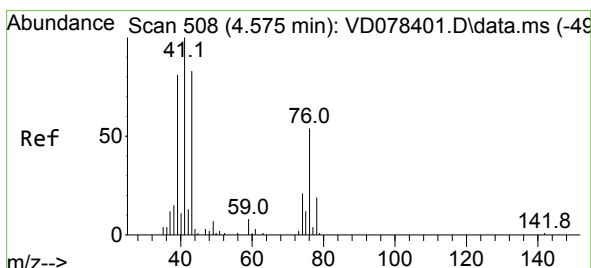
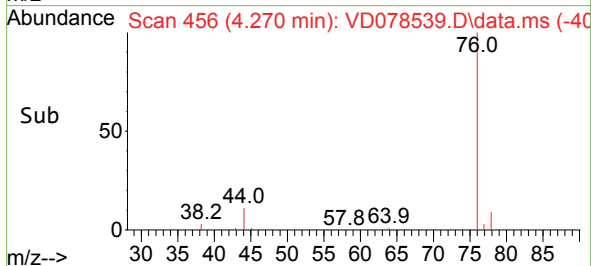
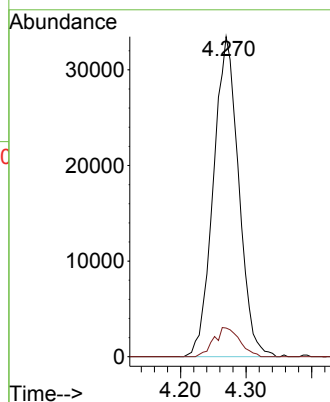
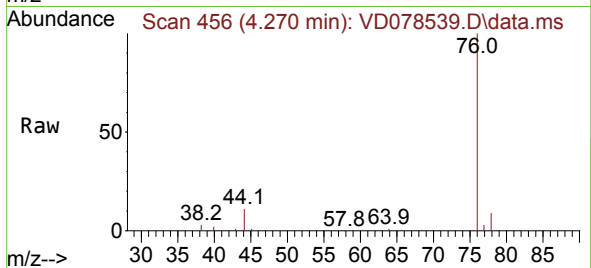
Instrument :

MSVOA_D

ClientSampleId :

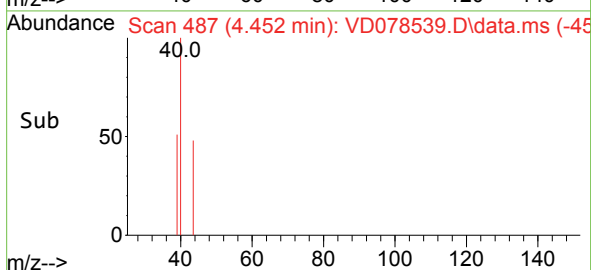
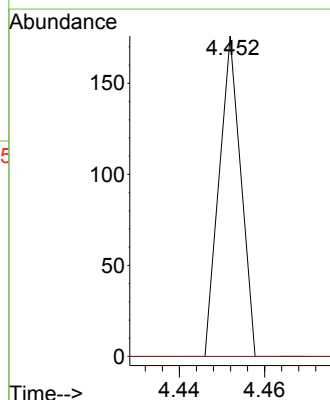
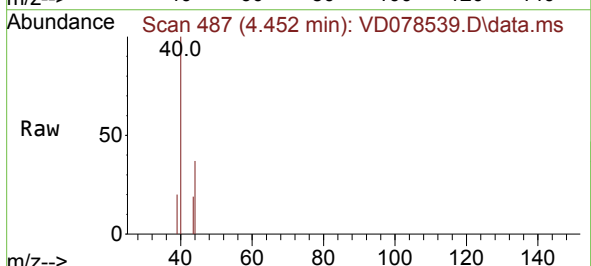
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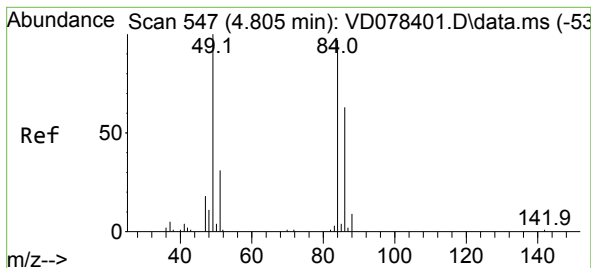
Tgt Ion: 76 Resp: 89681
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 4.022 ug/l
RT: 4.452 min Scan# 487
Delta R.T. -0.123 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





#20

Methylene Chloride

Concen: 2.776 ug/l

RT: 4.793 min Scan# 54

Delta R.T. -0.012 min

Lab File: VD078539.D

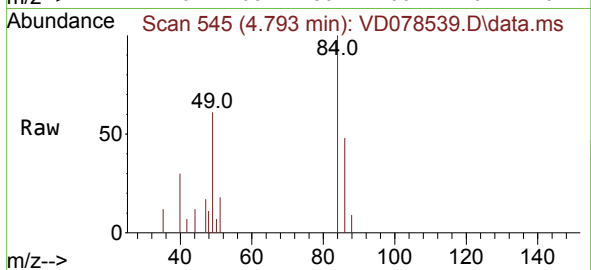
Acq: 23 Feb 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 84 Resp: 6293

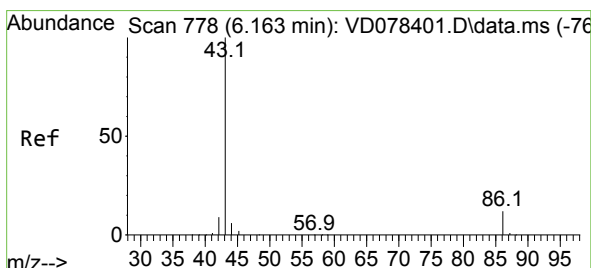
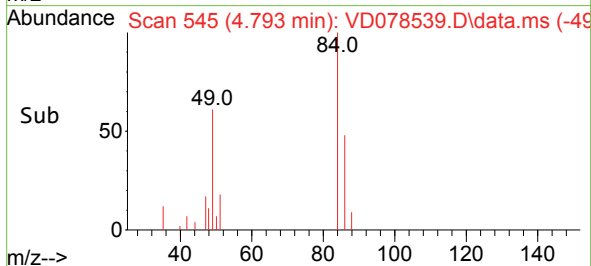
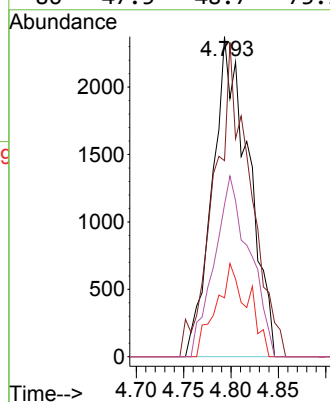
Ion Ratio Lower Upper

84 100

49 61.2 71.4 107.2#

51 18.4 24.5 36.7#

86 47.5 48.7 73.1#



#23

Vinyl Acetate

Concen: Below Cal

RT: 6.328 min Scan# 806

Delta R.T. 0.165 min

Lab File: VD078539.D

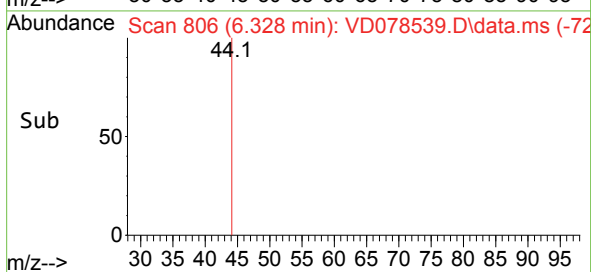
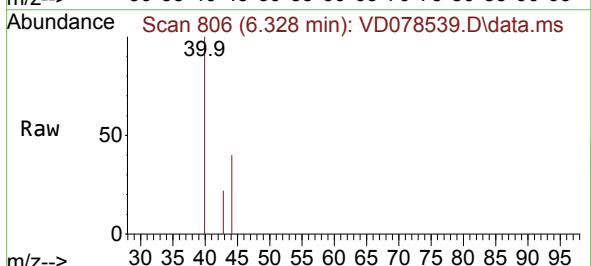
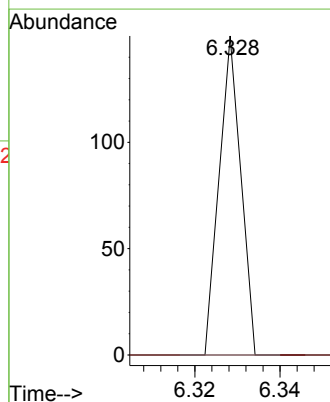
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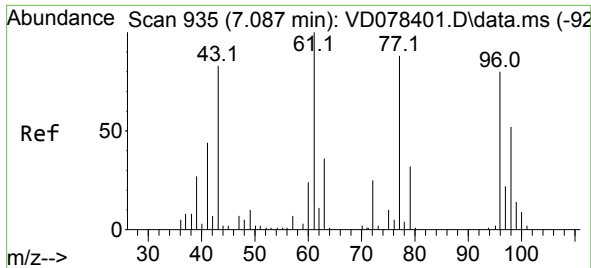
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

86 0.0 12.5 18.7#

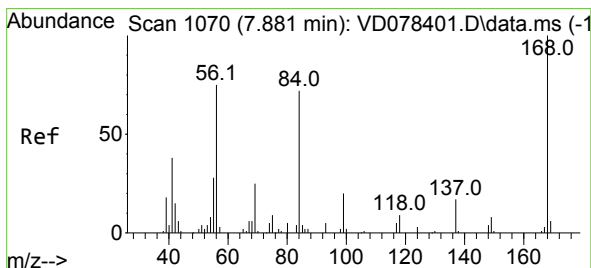
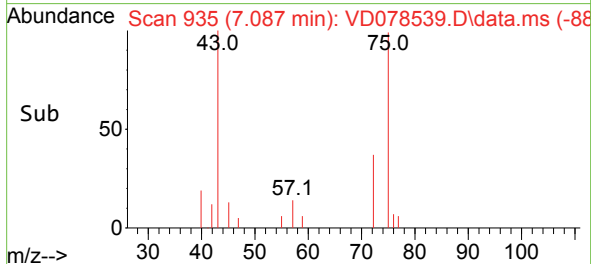
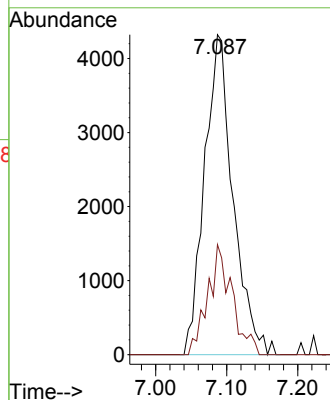
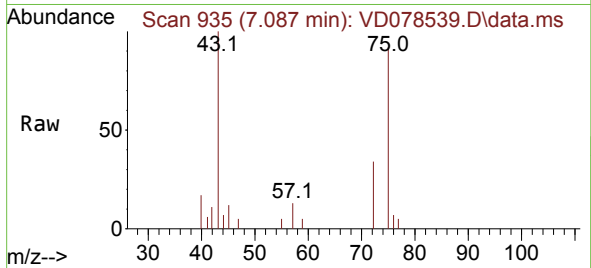




#25
2-Butanone
Concen: 35.365 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

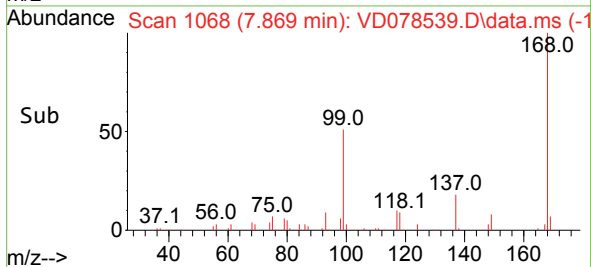
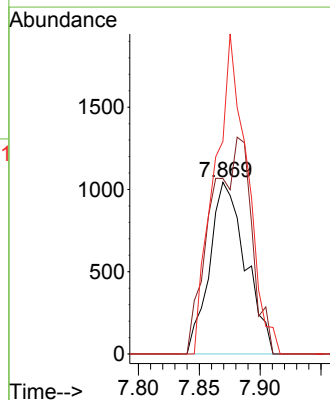
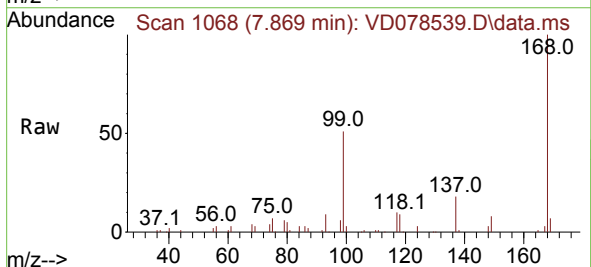
Instrument :
MSVOA_D
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20241106-AMENDED-COMPOSITE-35N-N-4-05

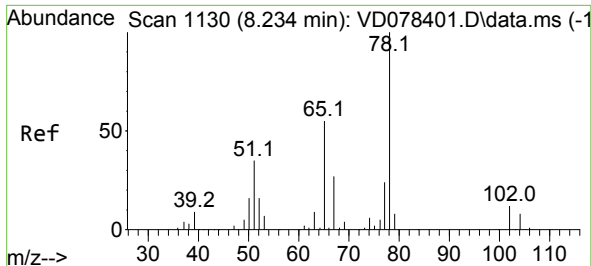
Tgt Ion: 43 Resp: 12073
Ion Ratio Lower Upper
43 100
72 34.4 30.7 46.1



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion: 56 Resp: 2148
Ion Ratio Lower Upper
56 100
69 102.1 28.6 43.0#
84 123.9 84.8 127.2





#33
 1,2-Dichloroethane-d4
 Concen: 42.514 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078539.D
 Acq: 23 Feb 2024 16:42

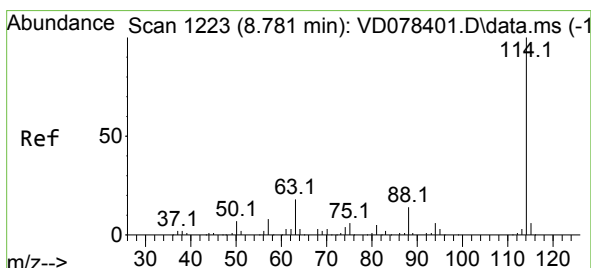
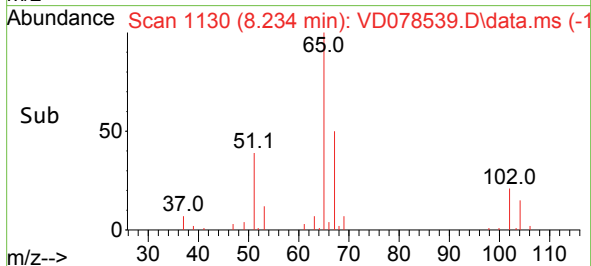
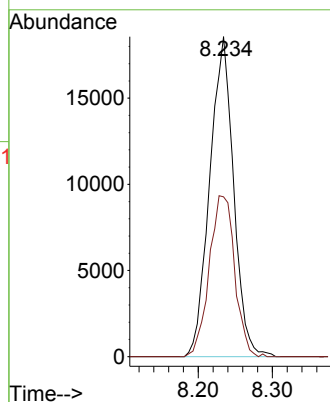
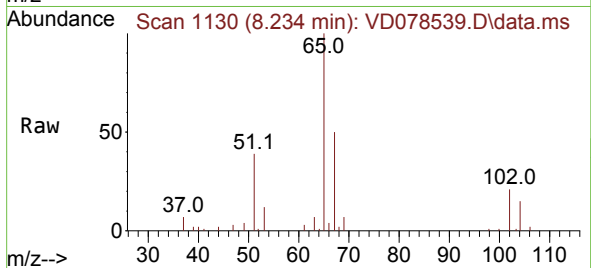
Instrument :

MSVOA_D

ClientSampleId :

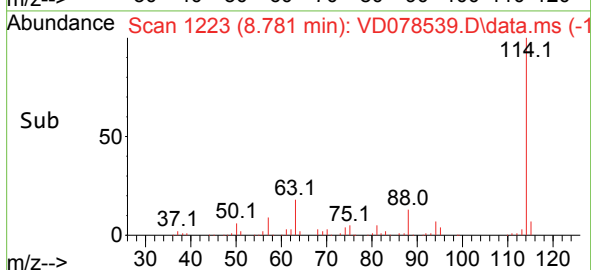
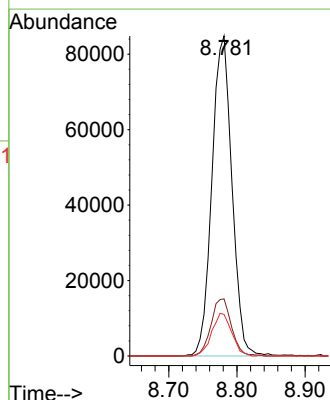
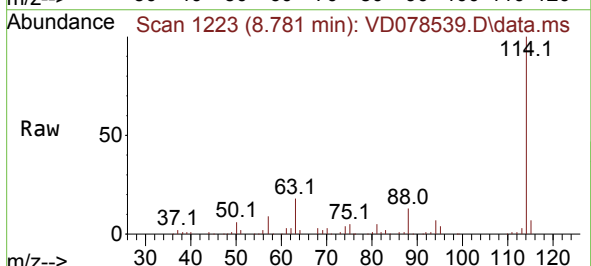
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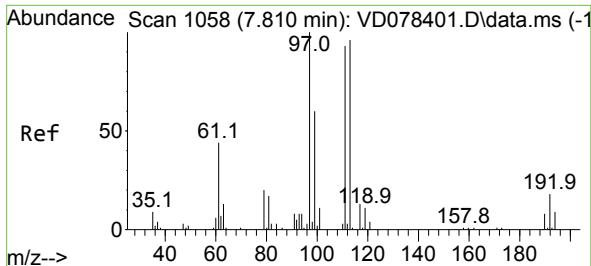
Tgt Ion: 65 Resp: 41476
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078539.D
 Acq: 23 Feb 2024 16:42

Tgt Ion: 114 Resp: 173347
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 33.4
 88 13.0 0.0 26.2





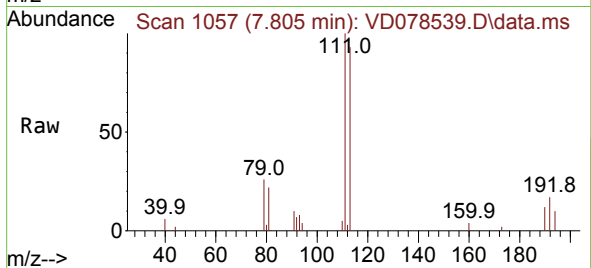
#35
 Dibromofluoromethane
 Concen: 16.587 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. -0.006 min
 Lab File: VD078539.D
 Acq: 23 Feb 2024 16:42

Instrument :

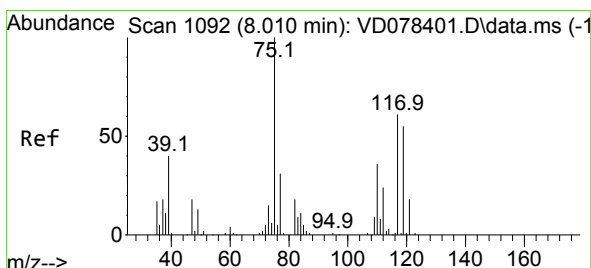
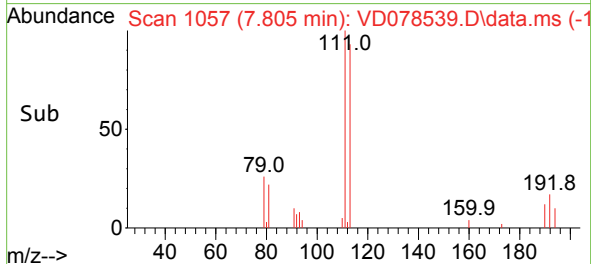
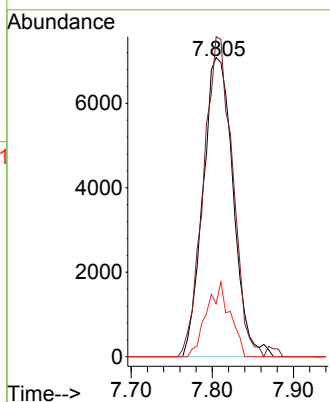
MSVOA_D

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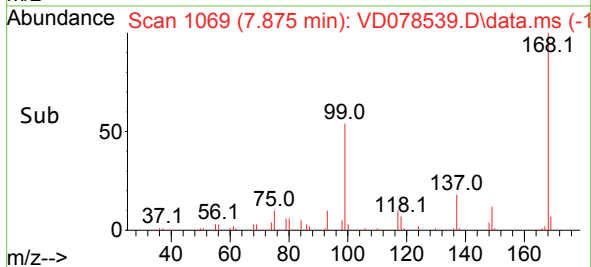
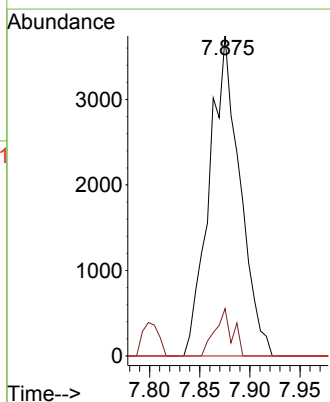
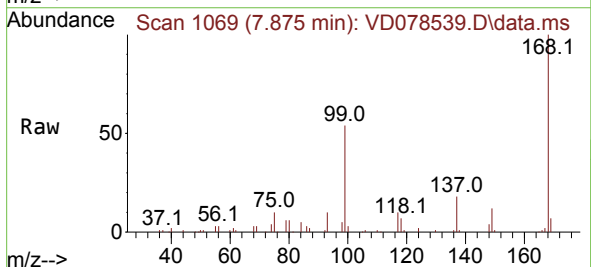


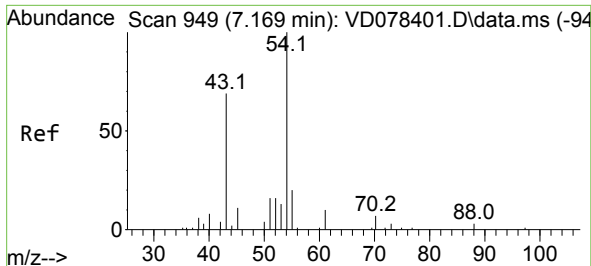
Tgt Ion:113 Resp: 18264
 Ion Ratio Lower Upper
 113 100
 111 102.9 84.7 127.1
 192 19.4 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD078539.D
 Acq: 23 Feb 2024 16:42

Tgt Ion: 75 Resp: 7969
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.9 59.6#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 20.134 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD078539.D

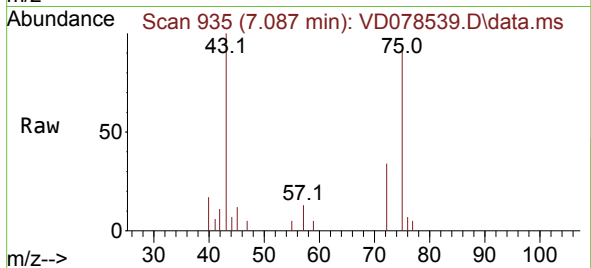
Acq: 23 Feb 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

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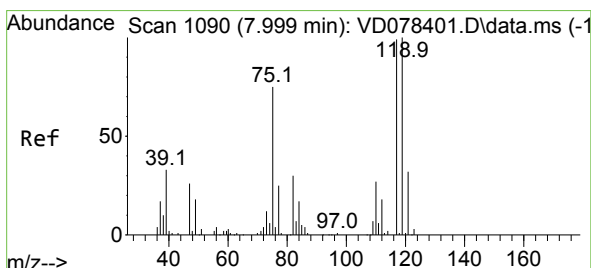
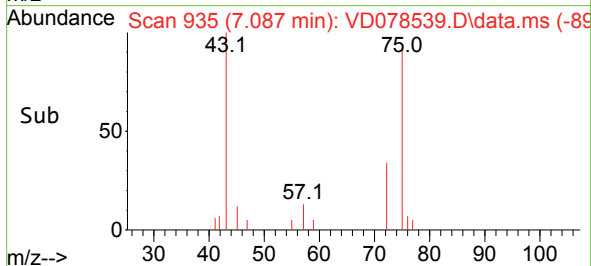
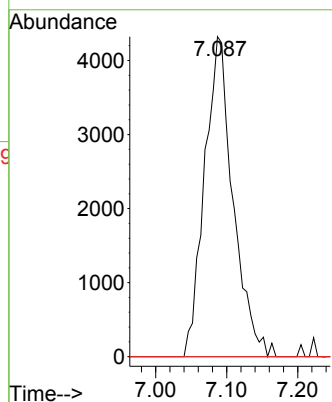
Tgt Ion: 43 Resp: 12073

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.412 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.118 min

Lab File: VD078539.D

Acq: 23 Feb 2024 16:42

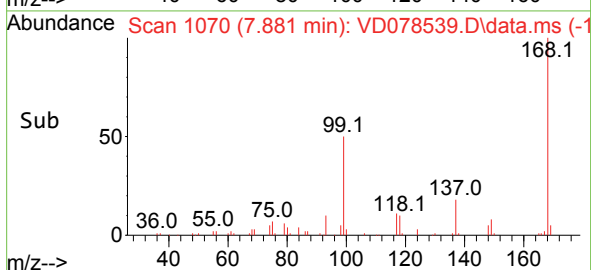
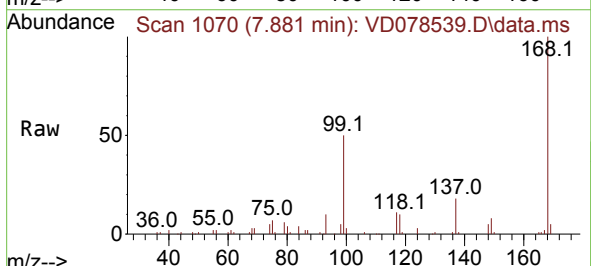
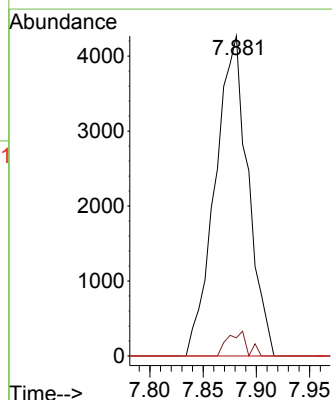
Tgt Ion: 117 Resp: 9168

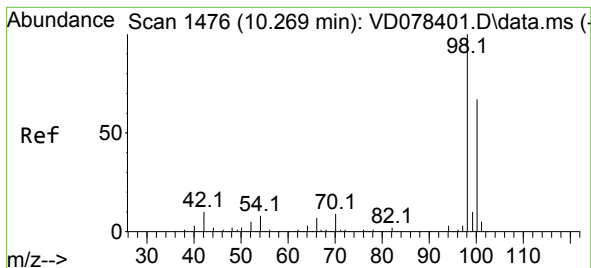
Ion Ratio Lower Upper

117 100

119 5.6 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 50.156 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078539.D

Acq: 23 Feb 2024 16:42

Instrument :

MSVOA_D

ClientSampleId :

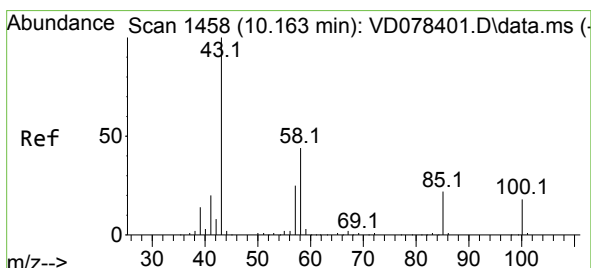
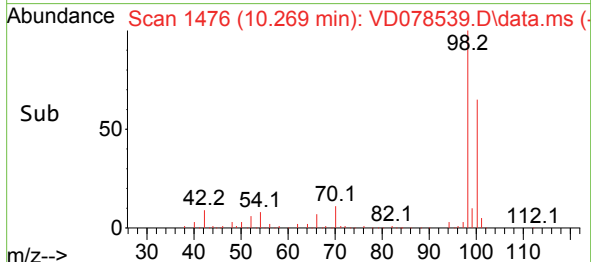
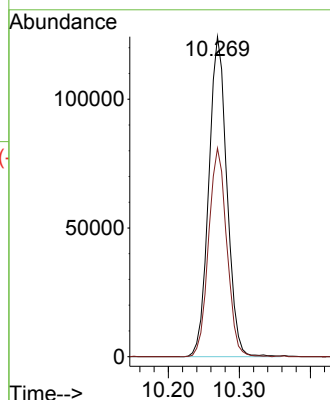
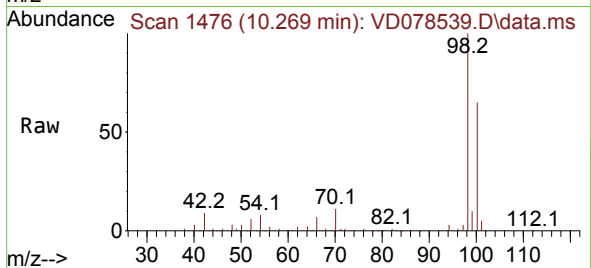
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Tgt Ion: 98 Resp: 220928

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.788 ug/l

RT: 10.163 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VD078539.D

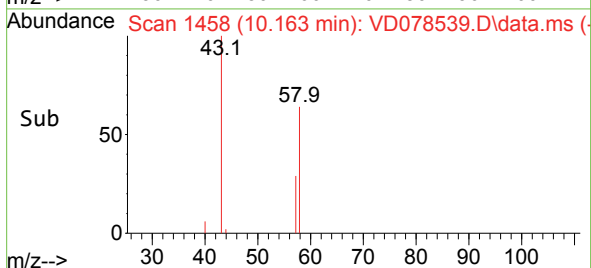
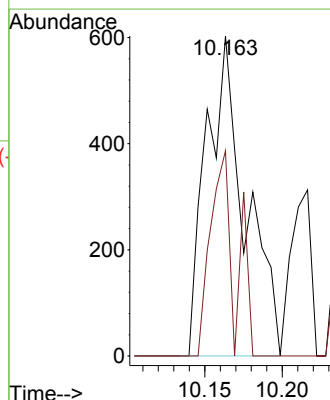
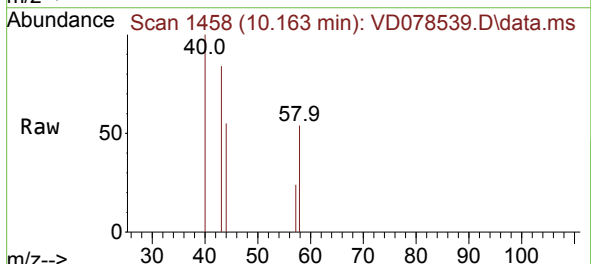
Acq: 23 Feb 2024 16:42

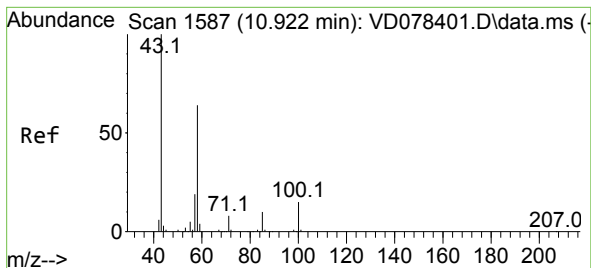
Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

58 40.5 38.9 58.3





#59
2-Hexanone
Concen: 2.560 ug/l
RT: 10.922 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

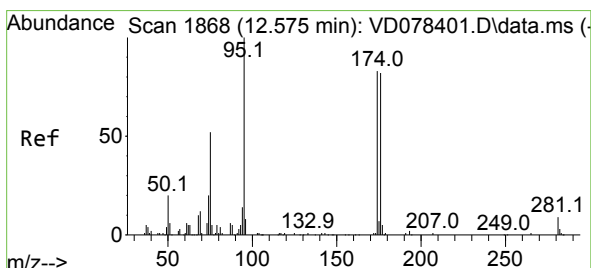
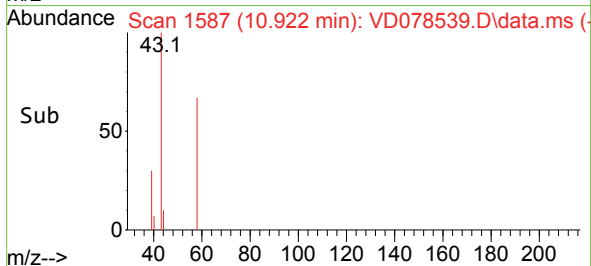
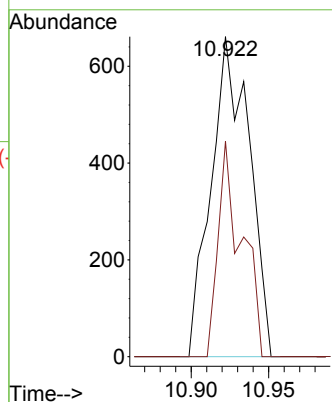
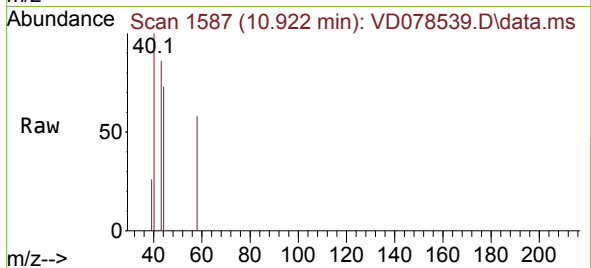
Instrument :

MSVOA_D

ClientSampleId :

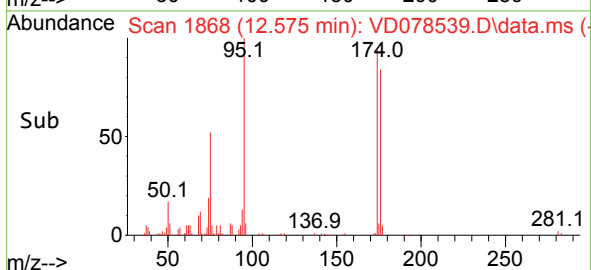
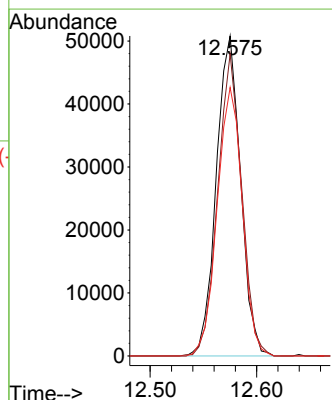
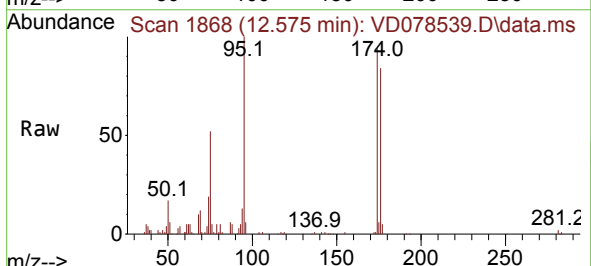
20241106-AMENDED-COMPOSITE-35N-N-4-05

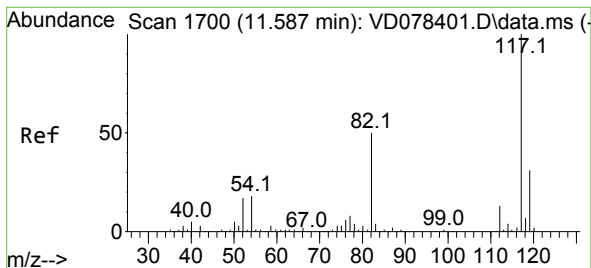
Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
58 41.3 34.1 102.2



#62
4-Bromofluorobenzene
Concen: 62.707 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion: 95 Resp: 80379
Ion Ratio Lower Upper
95 100
174 92.9 0.0 201.8
176 86.8 0.0 191.8





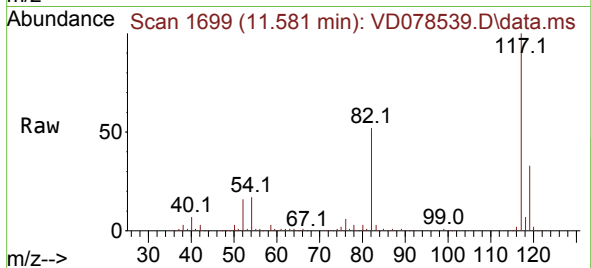
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Instrument :

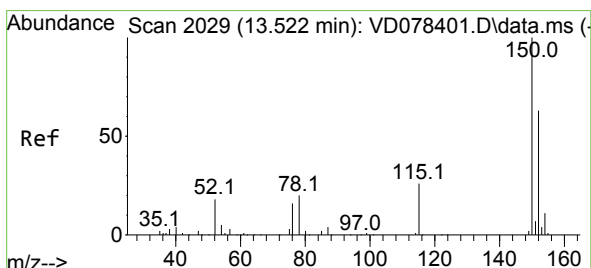
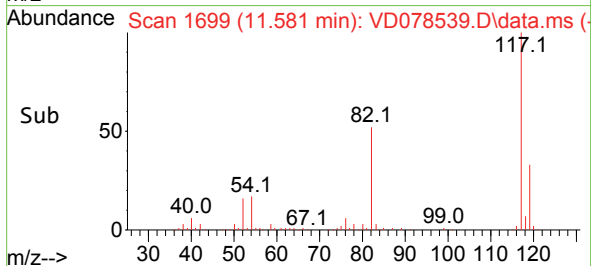
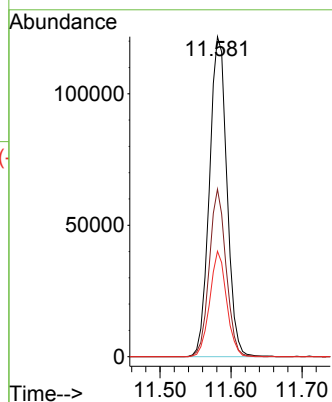
MSVOA_D

ClientSampleId :

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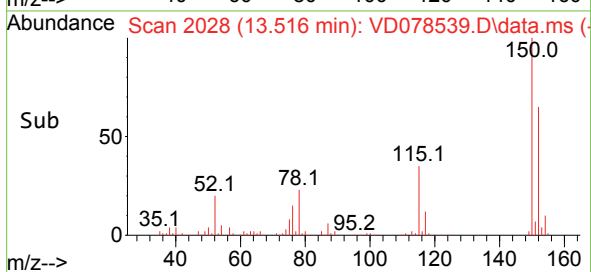
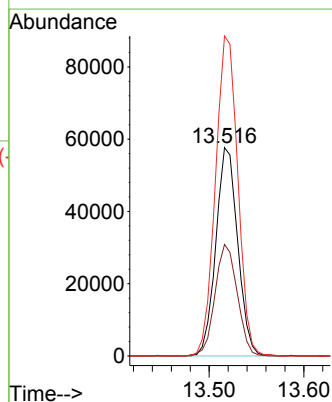
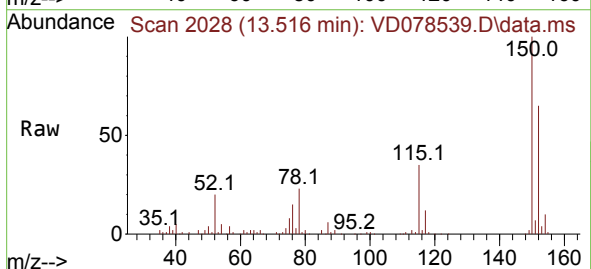


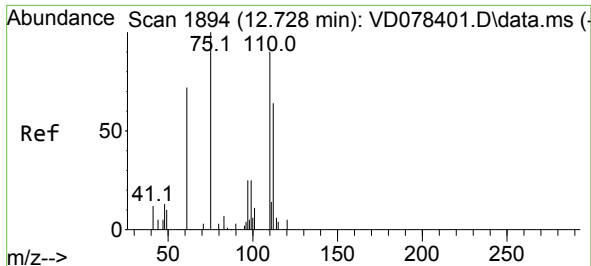
Tgt Ion:117 Resp: 207967
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 33.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion:152 Resp: 92637
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 157.1 0.0 353.6





#76
1,2,3-Trichloropropane
Concen: 54.602 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

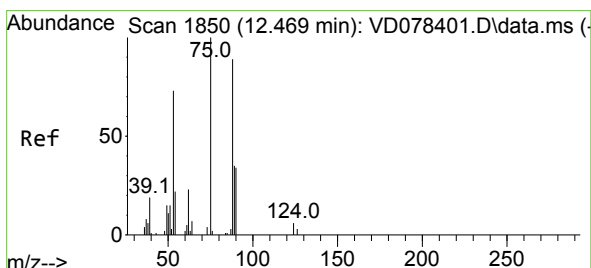
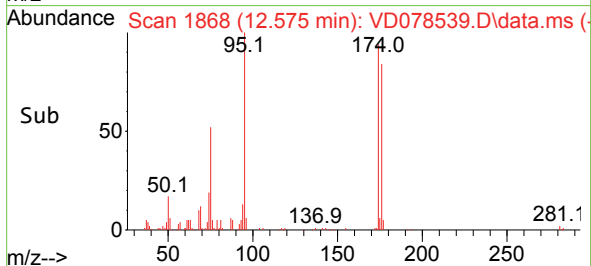
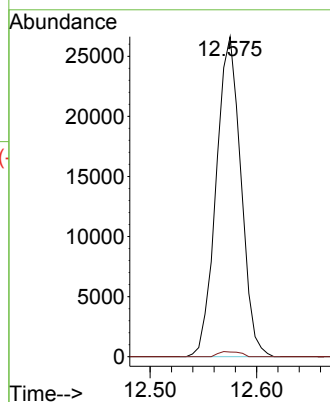
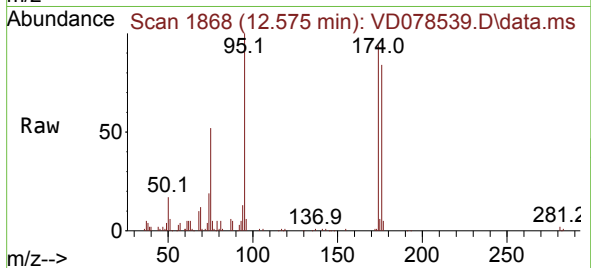
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 75 Resp: 42942
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.354 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078539.D
Acq: 23 Feb 2024 16:42

Tgt Ion: 75 Resp: 42942
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

