

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078502.D
 Acq On : 21 Feb 2024 16:41
 Operator : RP/MD
 Sample : P1538-09
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241102-AMENDED-COMPOSITE-35N-N-4-01

Quant Time: Feb 22 00:05:46 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)

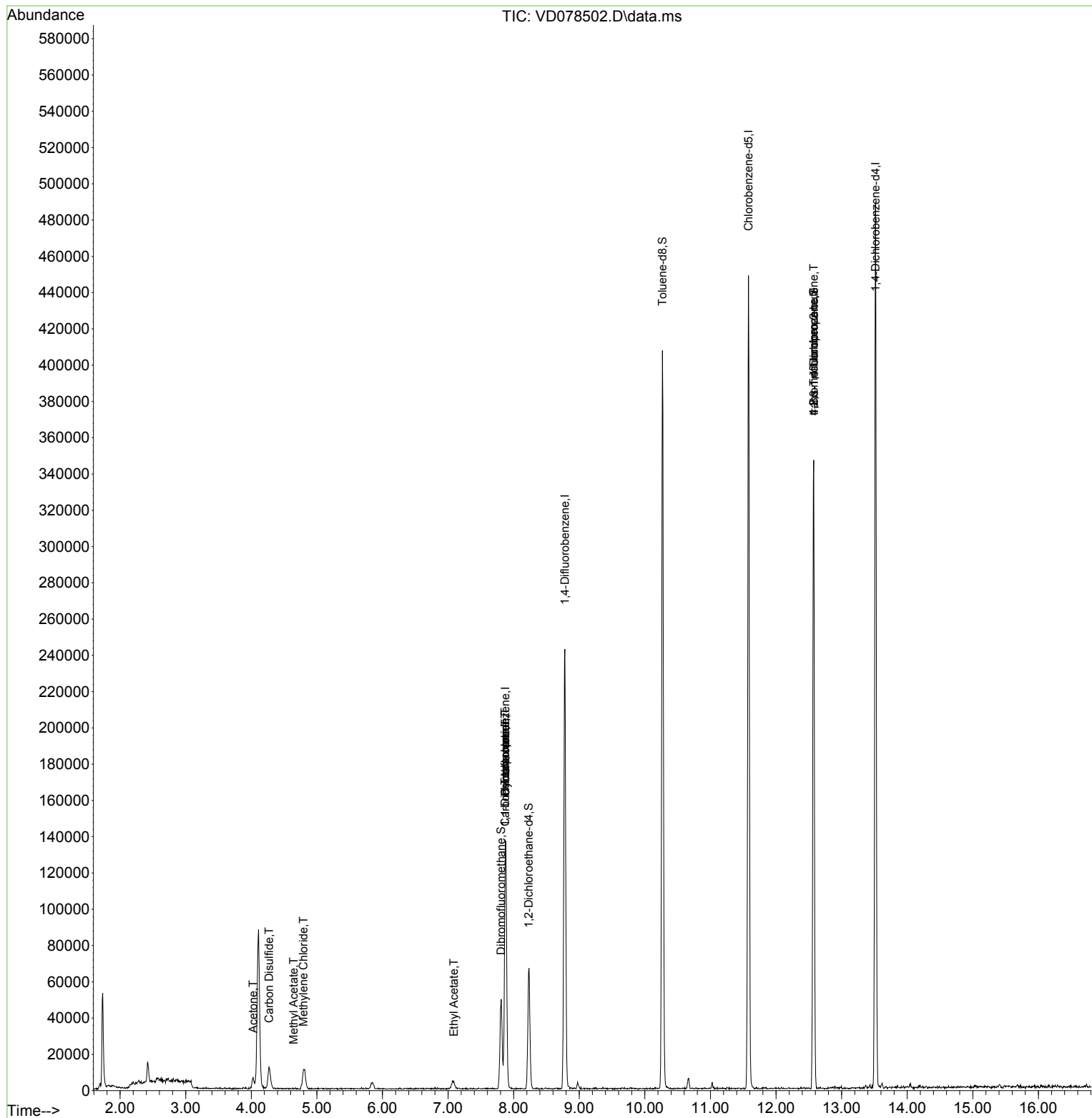
Internal Standards						
1) Pentafluorobenzene	7.875	168	109172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	219658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	263549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	49539	41.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.940%
35) Dibromofluoromethane	7.810	113	37208	26.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	53.340%#
50) Toluene-d8	10.269	98	285510	51.152	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.575	95	108213	66.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	133.240%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	9497	19.679	ug/l	94
17) Carbon Disulfide	4.269	76	23993	5.991	ug/l	97
18) Methyl Acetate	4.646	43	53	3.998	ug/l #	42
20) Methylene Chloride	4.793	84	9237	4.070	ug/l	90
23) Vinyl Acetate	6.428	43	53	Below Cal	#	63
25) 2-Butanone	7.087	43	2430	Below Cal		90
31) Cyclohexane	7.875	56	2462	1.233	ug/l #	59
36) 1,1-Dichloropropene	7.869	75	8411	3.880	ug/l #	47
37) Ethyl Acetate	7.087	43	2430	3.198	ug/l #	65
38) Carbon Tetrachloride	7.869	117	11007	5.128	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	53257	48.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	53257	100.962	ug/l #	17

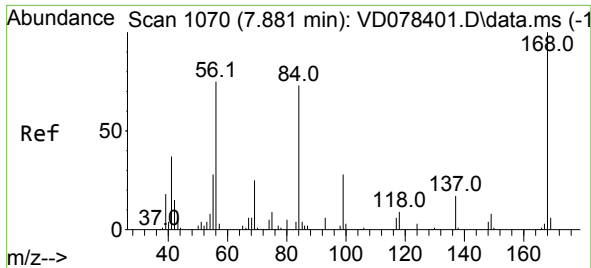
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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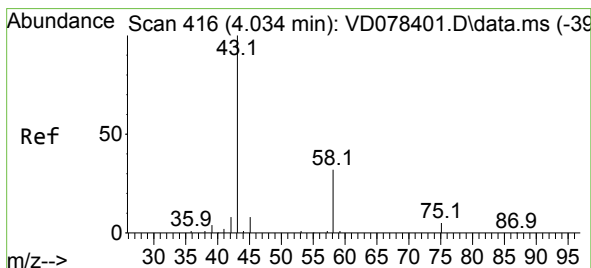
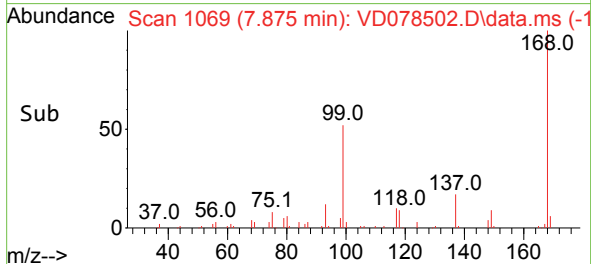
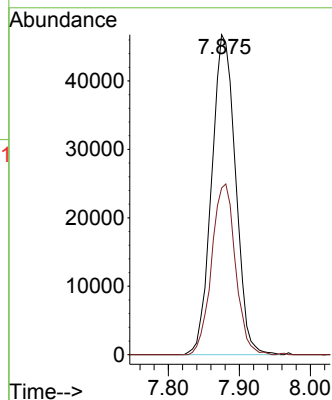
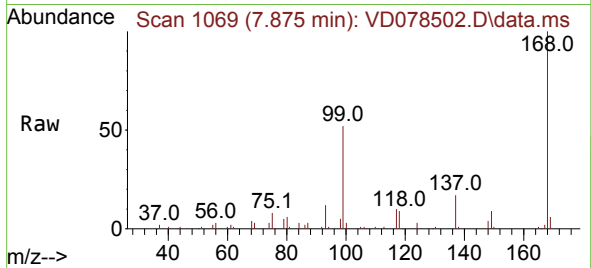




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

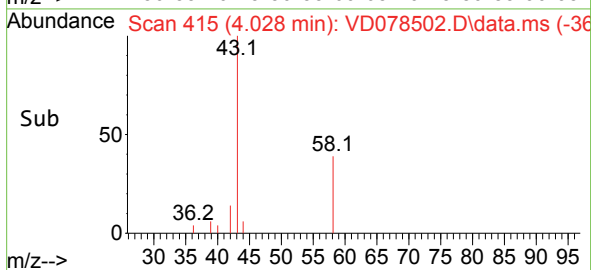
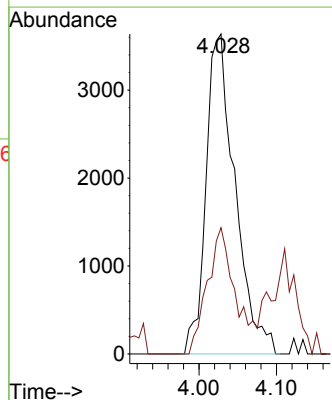
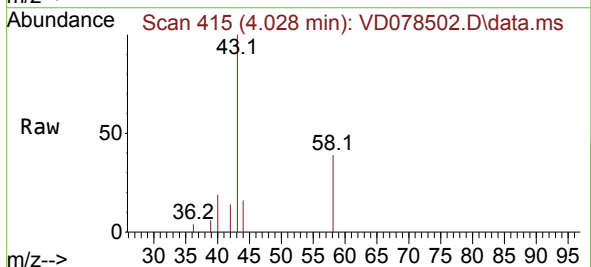
Instrument : MSVOA_D
ClientSampleId : 20241102-AMENDED-COMPOSITE-35N-N-4-01

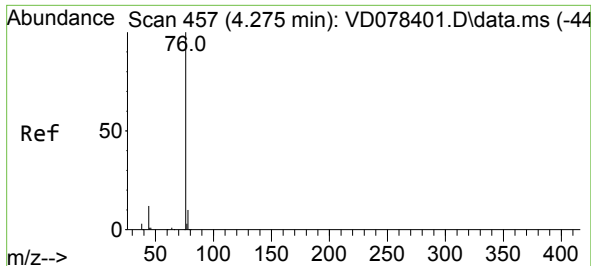
Tgt Ion:168 Resp: 109172
Ion Ratio Lower Upper
168 100
99 52.1 36.7 55.1



#16
Acetone
Concen: 19.679 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion: 43 Resp: 9497
Ion Ratio Lower Upper
43 100
58 39.5 34.7 52.1





#17
Carbon Disulfide
Concen: 5.991 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

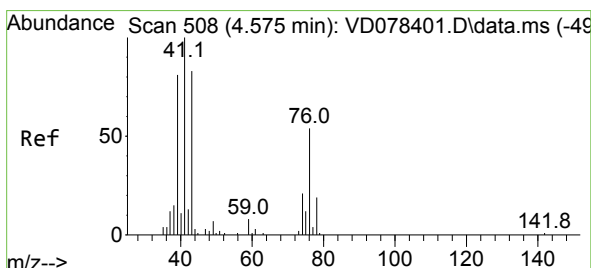
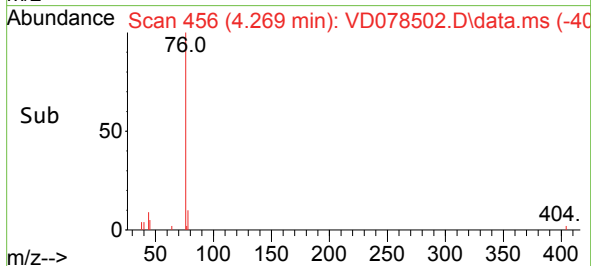
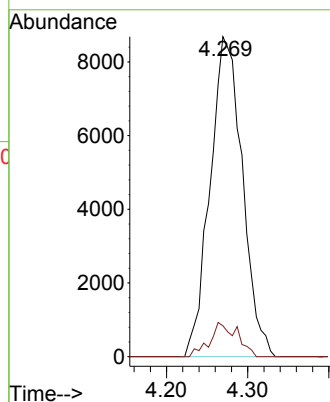
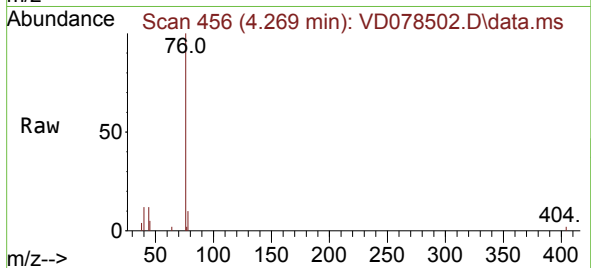
Instrument :

MSVOA_D

ClientSampleId :

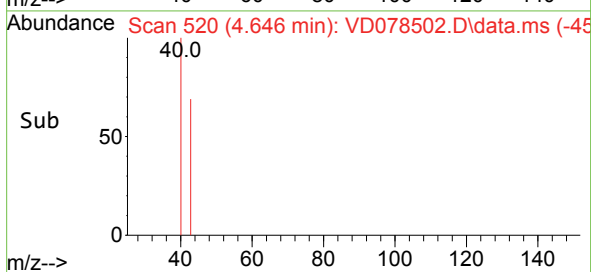
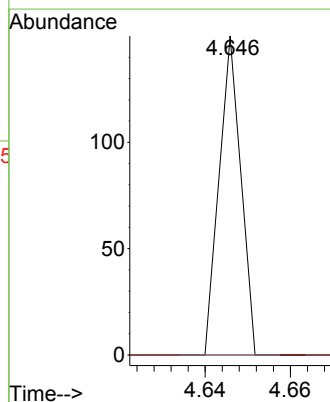
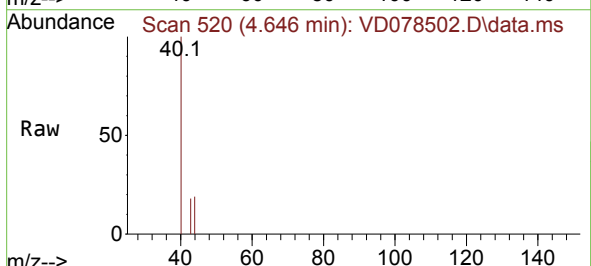
20241102-AMENDED-COMPOSITE-35N-N-4-01

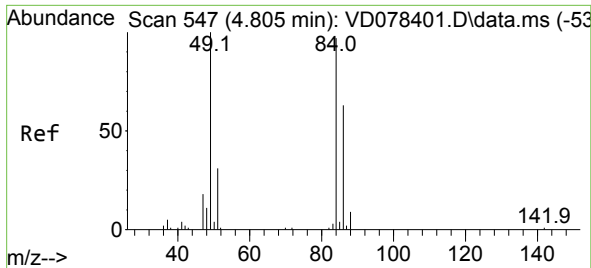
Tgt Ion: 76 Resp: 23993
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 3.998 ug/l
RT: 4.646 min Scan# 520
Delta R.T. 0.071 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





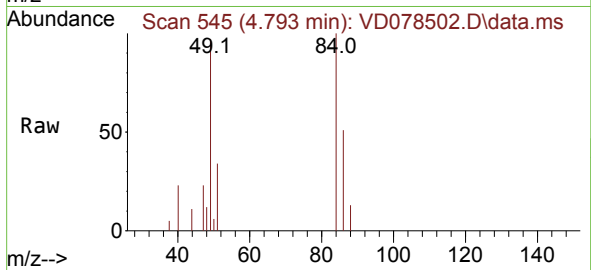
#20
Methylene Chloride
Concen: 4.070 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Instrument :

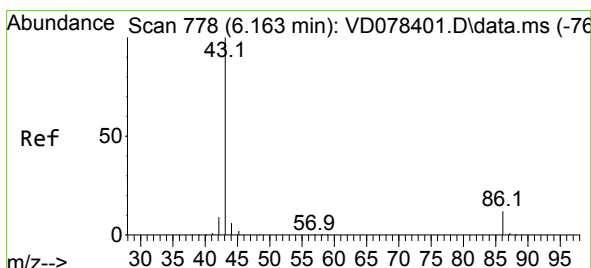
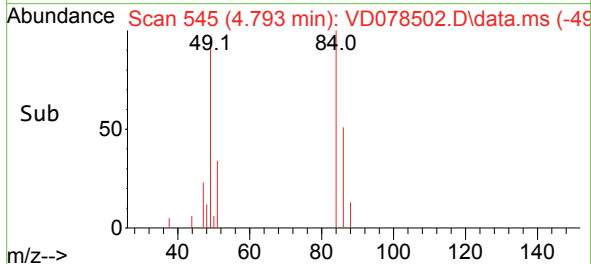
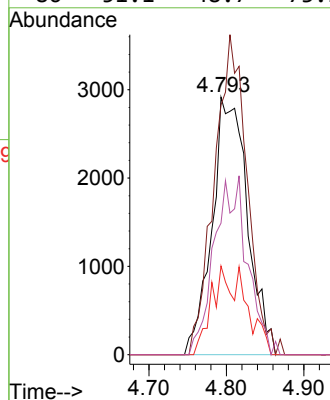
MSVOA_D

ClientSampleId :

20241102-AMENDED-COMPOSITE-35N-N-4-01

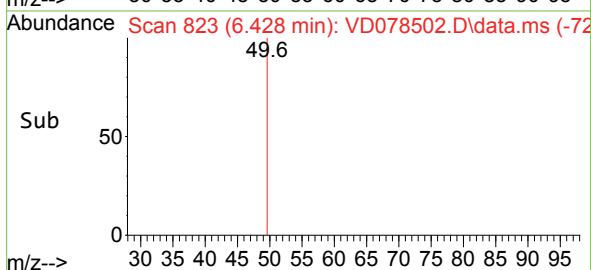
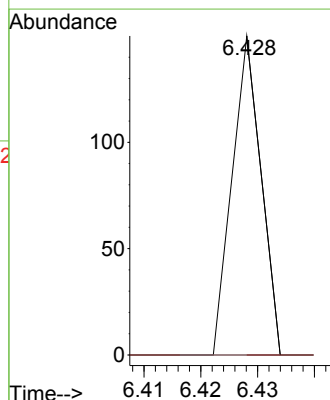
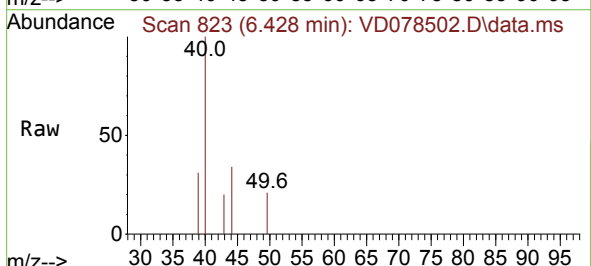


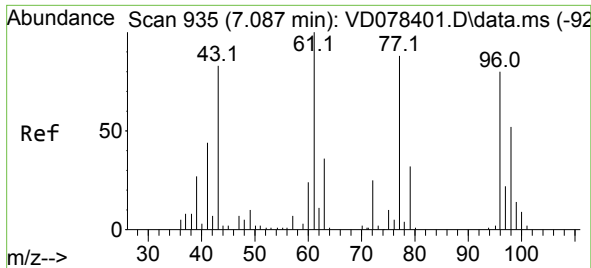
Tgt Ion: 84 Resp: 9237
Ion Ratio Lower Upper
84 100
49 97.0 71.4 107.2
51 34.4 24.5 36.7
86 51.1 48.7 73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.428 min Scan# 823
Delta R.T. 0.265 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
86 0.0 12.5 18.7#





#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD078502.D

Acq: 21 Feb 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

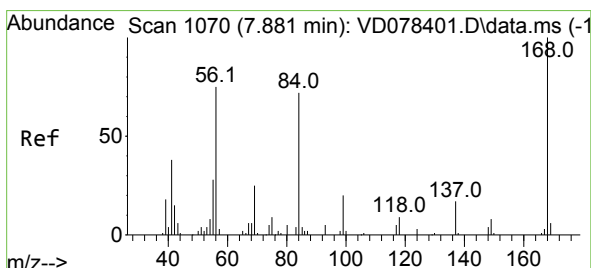
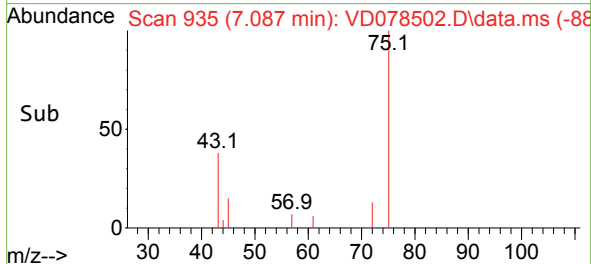
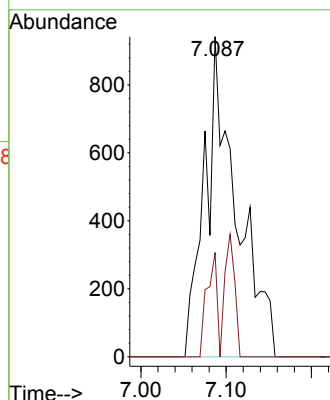
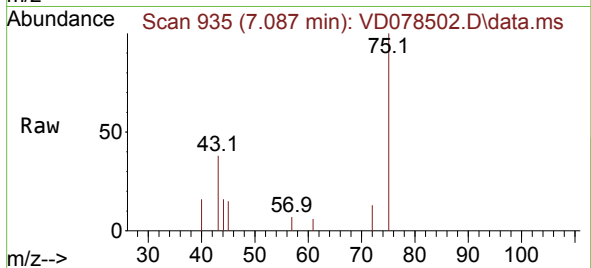
20241102-AMENDED-COMPOSITE-35N-N-4-01

Tgt Ion: 43 Resp: 2430

Ion Ratio Lower Upper

43 100

72 32.6 30.7 46.1



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078502.D

Acq: 21 Feb 2024 16:41

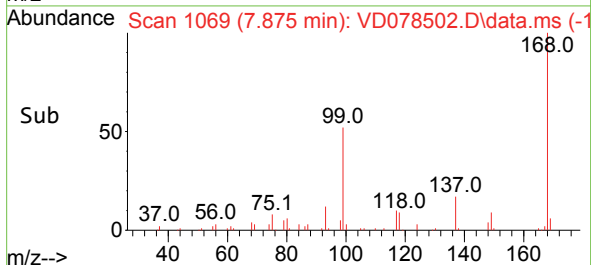
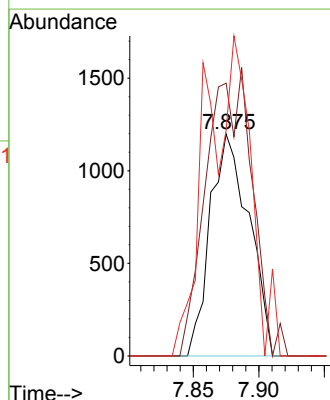
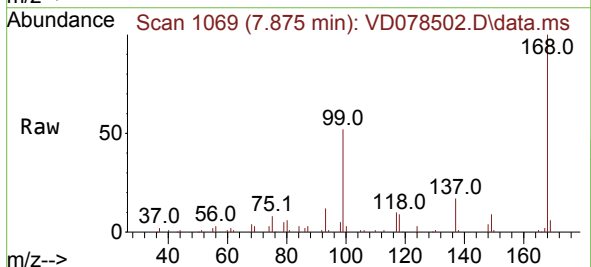
Tgt Ion: 56 Resp: 2462

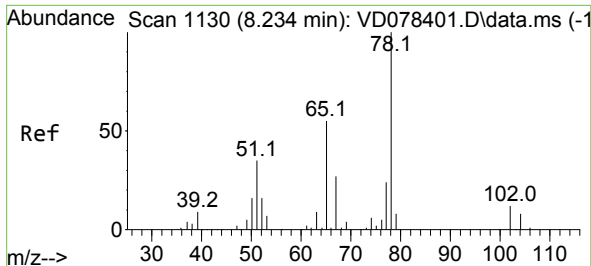
Ion Ratio Lower Upper

56 100

69 123.0 28.6 43.0#

84 101.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 41.967 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078502.D

Acq: 21 Feb 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

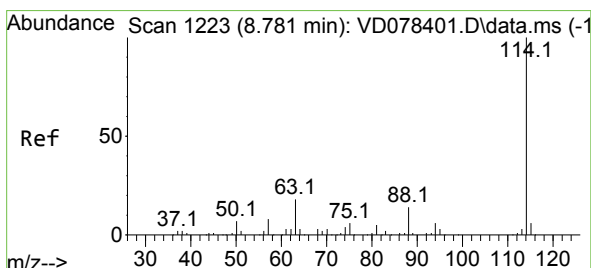
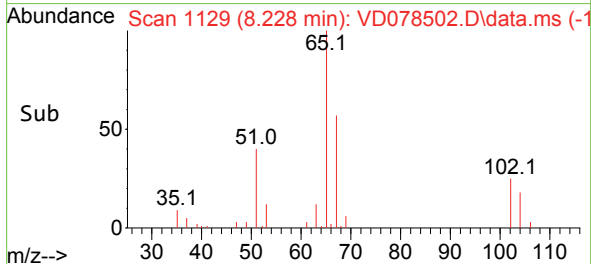
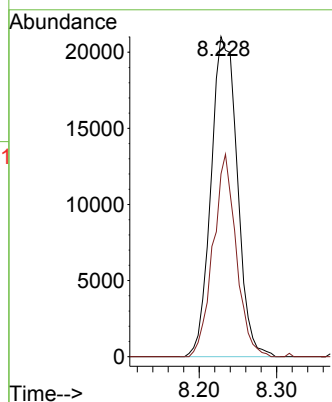
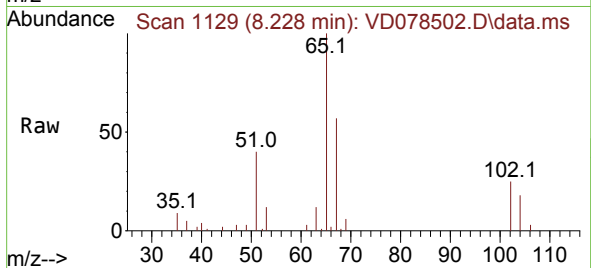
20241102-AMENDED-COMPOSITE-35N-N-4-01

Tgt Ion: 65 Resp: 49539

Ion Ratio Lower Upper

65 100

67 55.7 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: VD078502.D

Acq: 21 Feb 2024 16:41

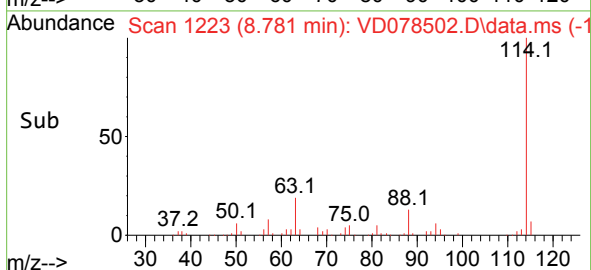
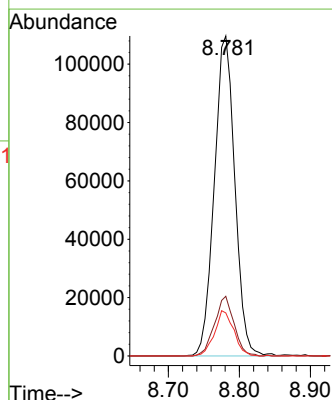
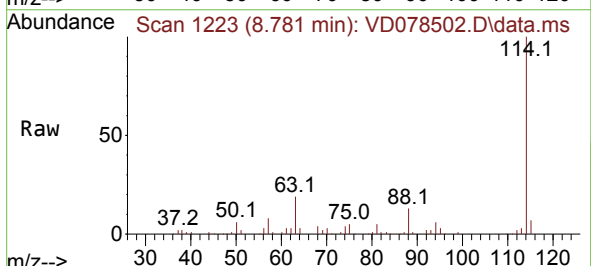
Tgt Ion: 114 Resp: 219658

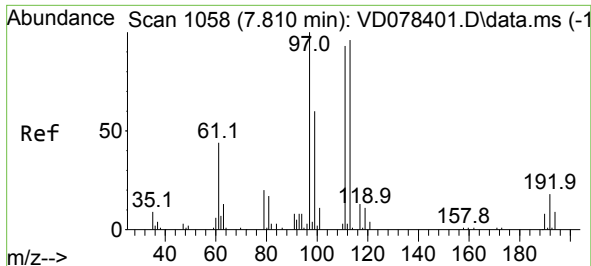
Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 26.667 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078502.D

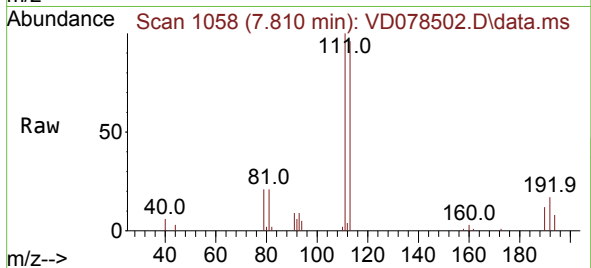
Acq: 21 Feb 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

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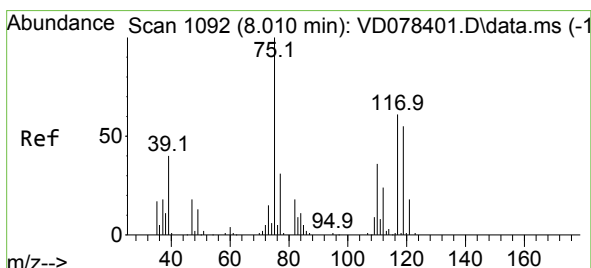
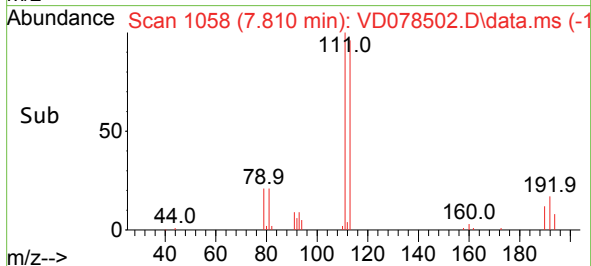
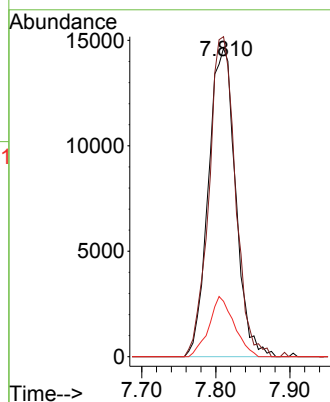
Tgt Ion:113 Resp: 37208

Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.880 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078502.D

Acq: 21 Feb 2024 16:41

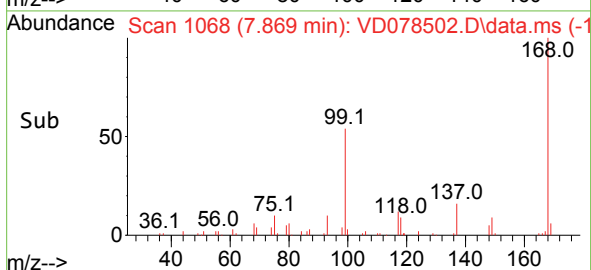
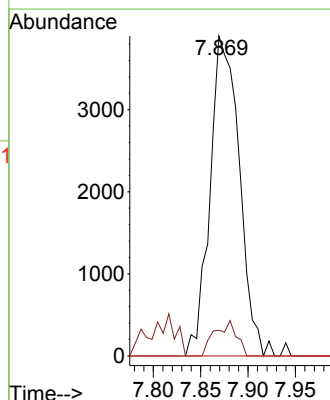
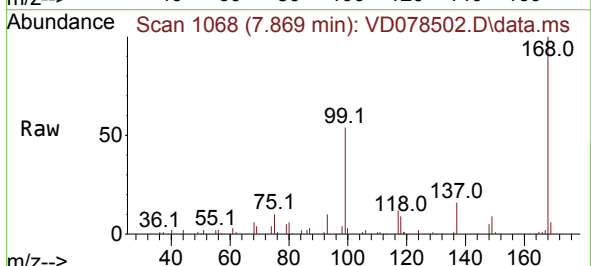
Tgt Ion: 75 Resp: 8411

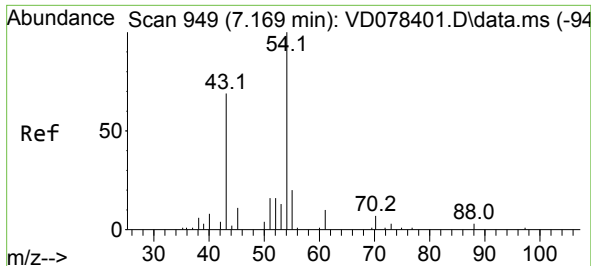
Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.198 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD078502.D

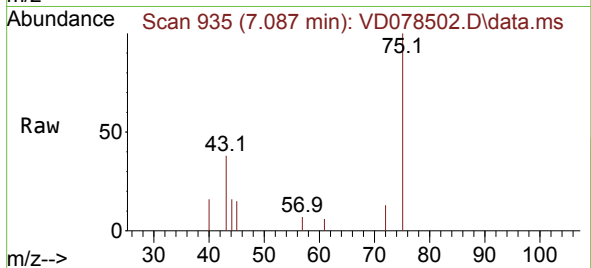
Acq: 21 Feb 2024 16:41

Instrument :

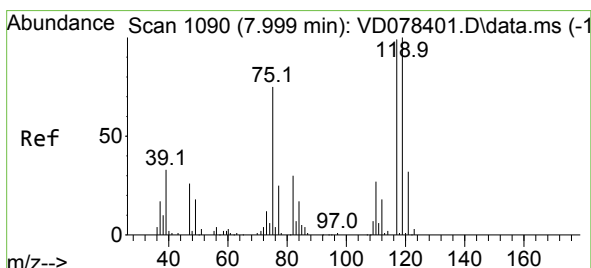
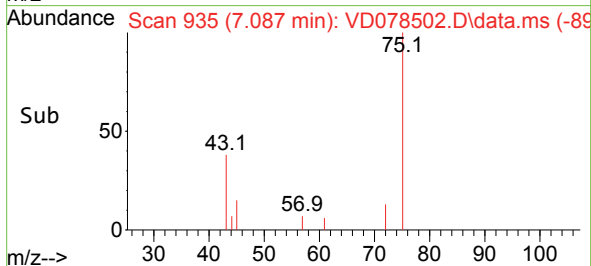
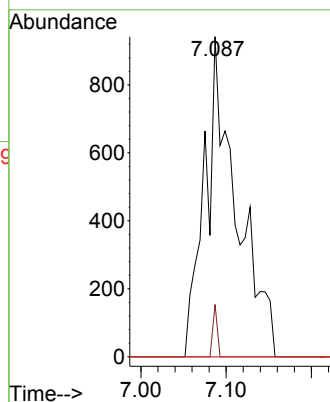
MSVOA_D

ClientSampleId :

20241102-AMENDED-COMPOSITE-35N-N-4-01



Tgt Ion:	43	Resp:	2430
Ion	Ratio	Lower	Upper
43	100		
61	2.2	14.9	22.3#
70	0.0	10.0	15.0#



#38

Carbon Tetrachloride

Concen: 5.128 ug/l

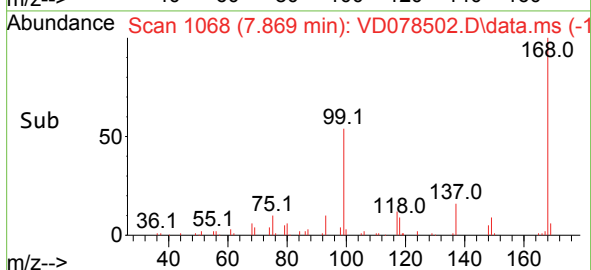
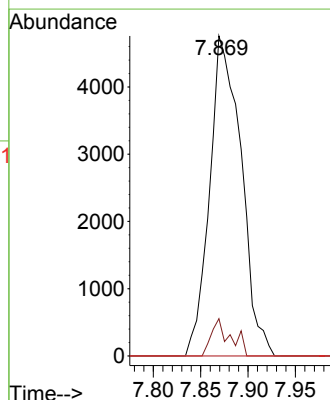
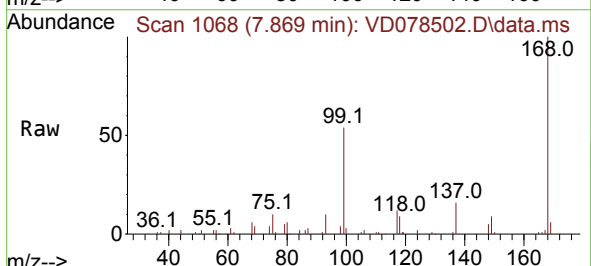
RT: 7.869 min Scan# 1068

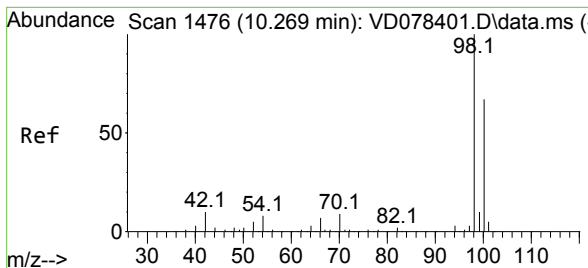
Delta R.T. -0.129 min

Lab File: VD078502.D

Acq: 21 Feb 2024 16:41

Tgt Ion:	117	Resp:	11007
Ion	Ratio	Lower	Upper
117	100		
119	11.6	78.0	117.0#
121	0.0	24.2	36.2#





#50
Toluene-d8
Concen: 51.152 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

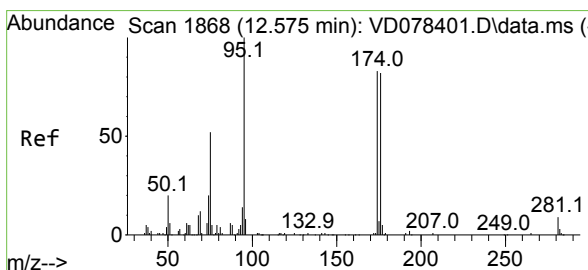
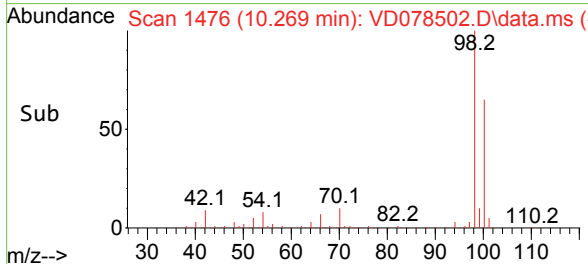
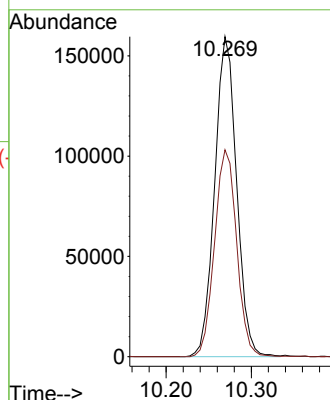
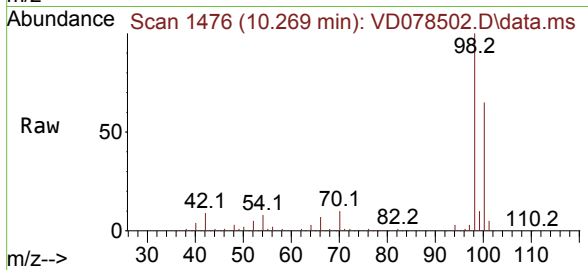
Instrument :

MSVOA_D

ClientSampleId :

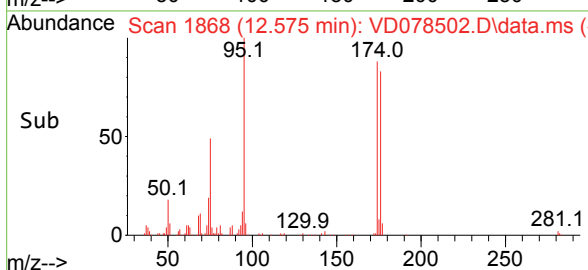
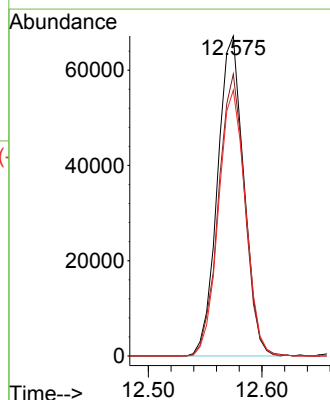
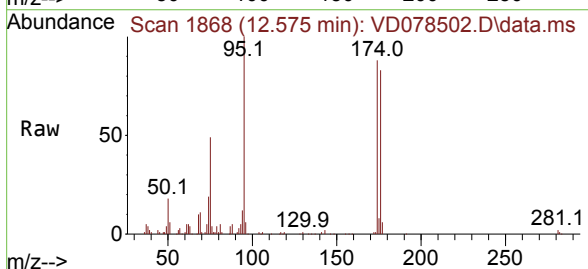
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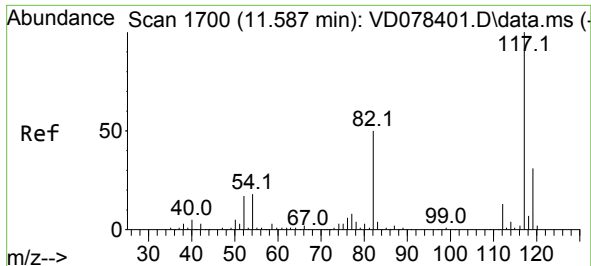
Tgt Ion: 98 Resp: 285510
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 66.622 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion: 95 Resp: 108213
Ion Ratio Lower Upper
95 100
174 88.1 0.0 201.8
176 85.1 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: VD078502.D
Acq: 21 Feb 2024 16:41

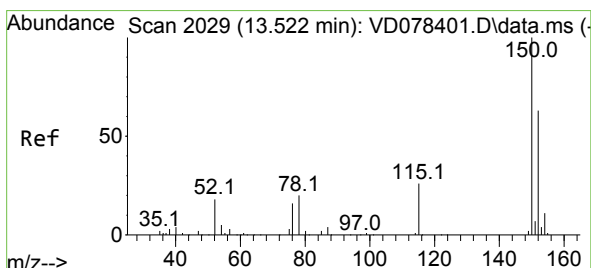
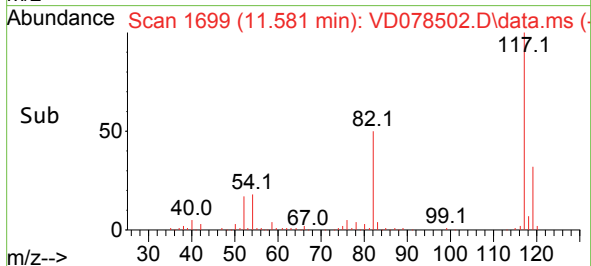
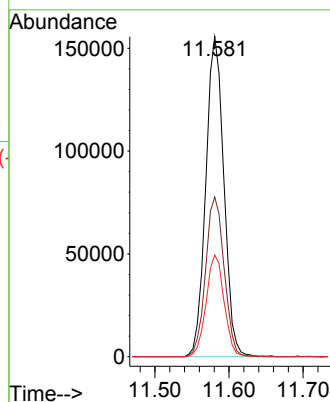
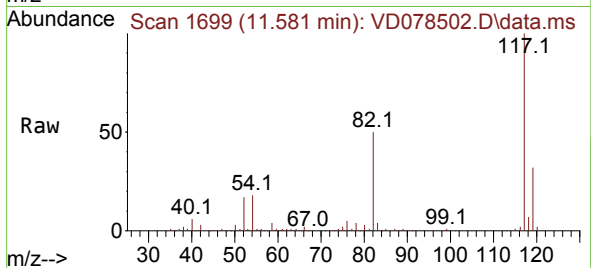
Instrument :

MSVOA_D

ClientSampleId :

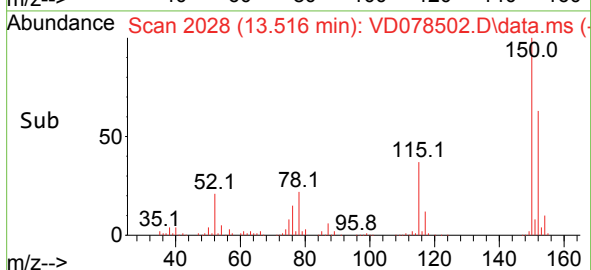
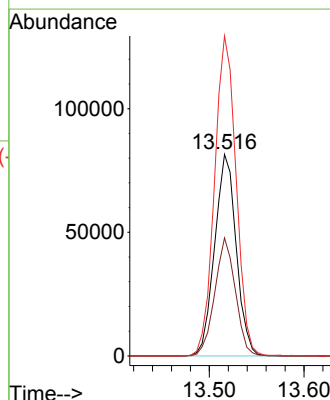
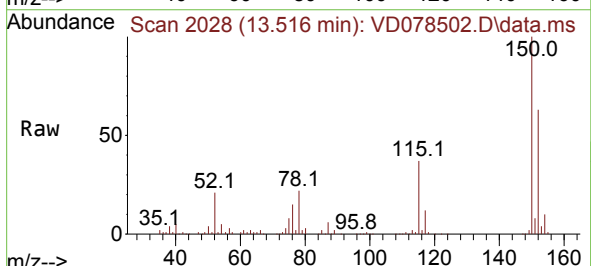
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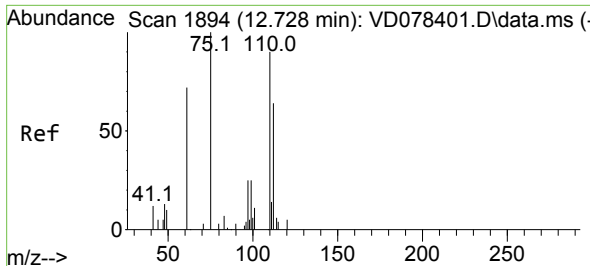
Tgt Ion:117 Resp: 263549
Ion Ratio Lower Upper
117 100
82 49.9 38.3 57.5
119 31.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion:152 Resp: 128991
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 158.7 0.0 353.6





#76
1,2,3-Trichloropropane
Concen: 48.632 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

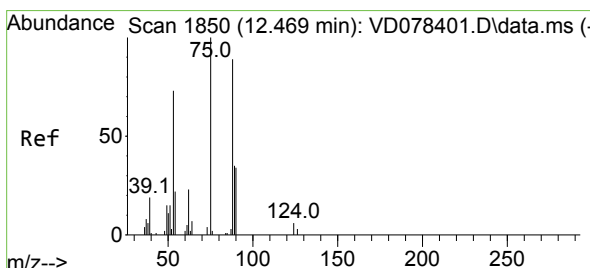
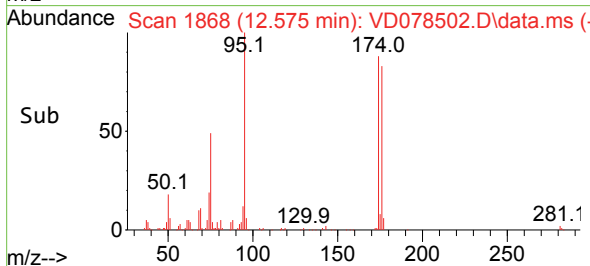
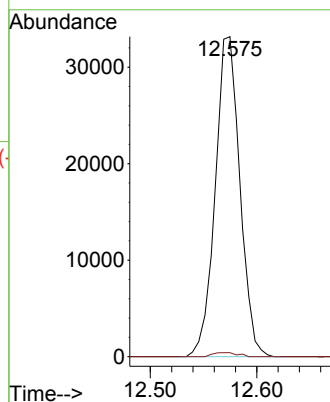
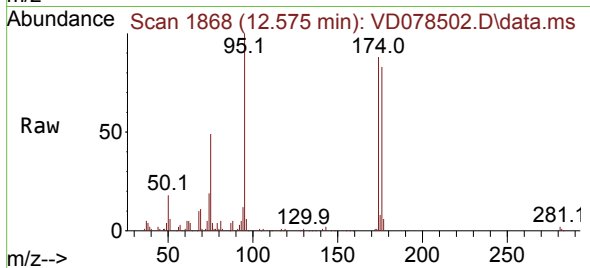
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 75 Resp: 53257
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.962 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078502.D
Acq: 21 Feb 2024 16:41

Tgt Ion: 75 Resp: 53257
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

