

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078496.D
 Acq On : 21 Feb 2024 13:56
 Operator : RP/MD
 Sample : P1538-01
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241096-COMPOSITE-35N-N-4-01

Quant Time: Feb 22 00:03:42 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)

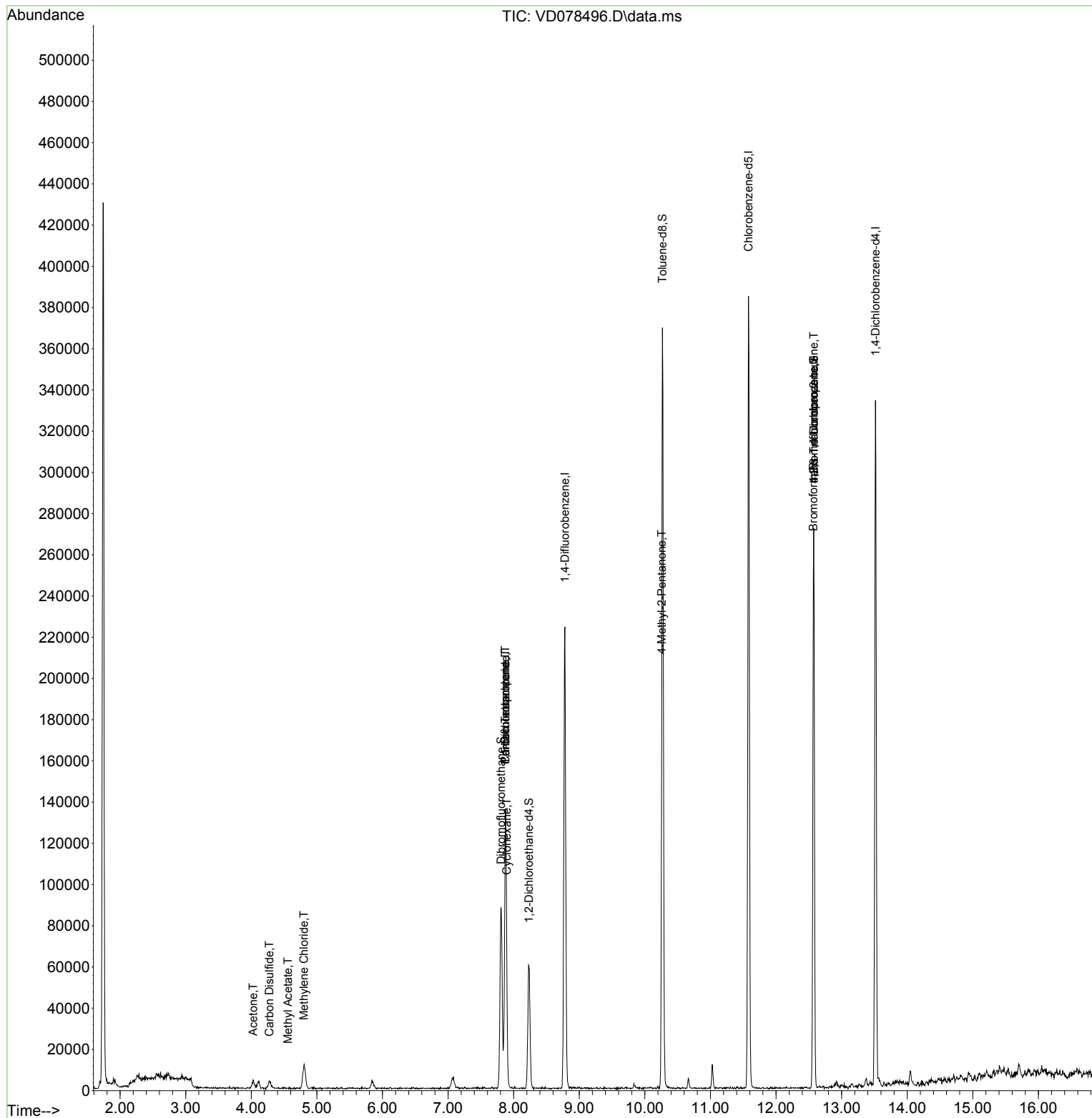
Internal Standards						
1) Pentafluorobenzene	7.875	168	103542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	205255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	48033	42.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.800%
35) Dibromofluoromethane	7.810	113	64825	49.719	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.440%
50) Toluene-d8	10.269	98	258749	49.611	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.575	95	83114	54.761	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.520%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	6345	6.525	ug/l	88
17) Carbon Disulfide	4.275	76	6383	1.681	ug/l	96
18) Methyl Acetate	4.558	43	76	4.028	ug/l #	42
20) Methylene Chloride	4.805	84	8906	4.192	ug/l #	90
25) 2-Butanone	7.081	43	899	Below Cal	#	84
31) Cyclohexane	7.893	56	2195	1.159	ug/l #	68
36) 1,1-Dichloropropene	7.875	75	9268	4.576	ug/l #	43
38) Carbon Tetrachloride	7.875	117	10324	5.147	ug/l #	17
51) 4-Methyl-2-Pentanone	10.257	43	1043	1.495	ug/l #	1
71) Bromoform	12.569	173	920	1.038	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	42556	55.064	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	42556	114.313	ug/l #	17

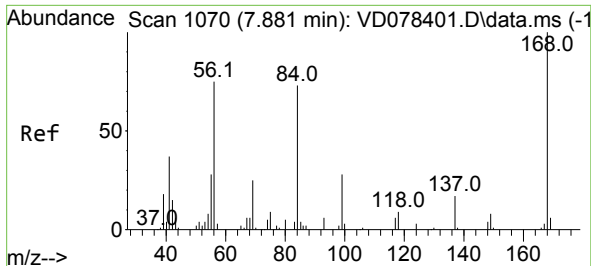
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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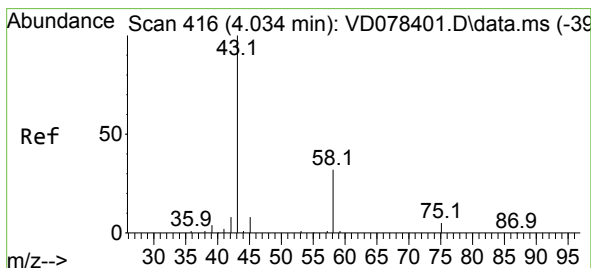
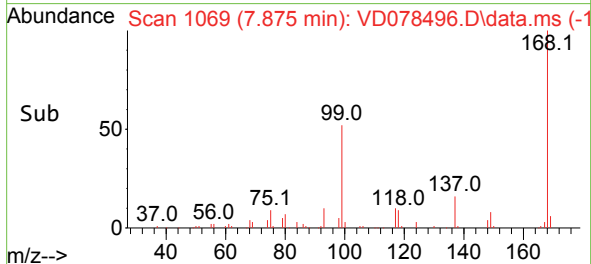
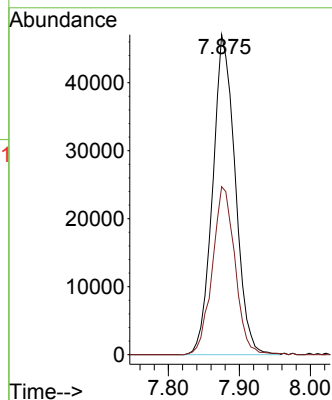
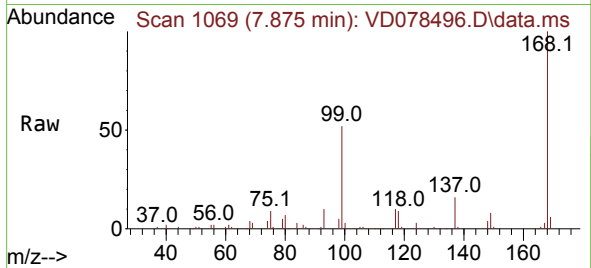




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

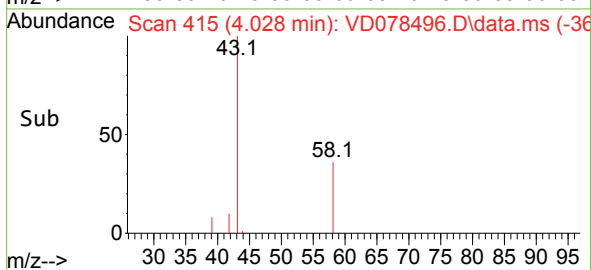
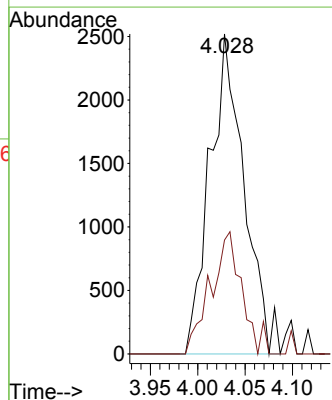
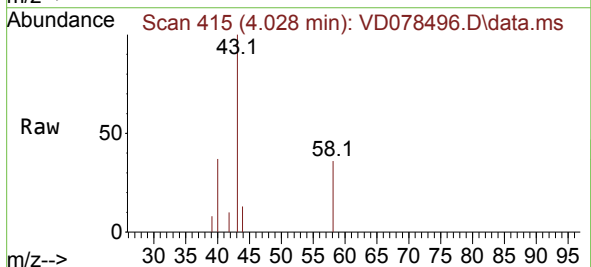
Instrument :
MSVOA_D
ClientSampleId :
20241096-COMPOSITE-35N-N-4-01

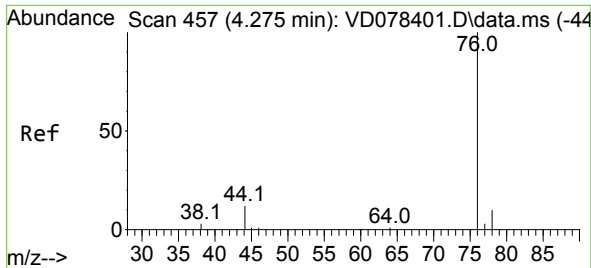
Tgt Ion:168 Resp: 103542
Ion Ratio Lower Upper
168 100
99 52.5 36.7 55.1



#16
Acetone
Concen: 6.525 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion: 43 Resp: 6345
Ion Ratio Lower Upper
43 100
58 35.6 34.7 52.1

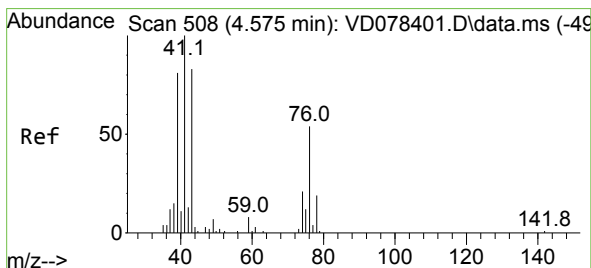
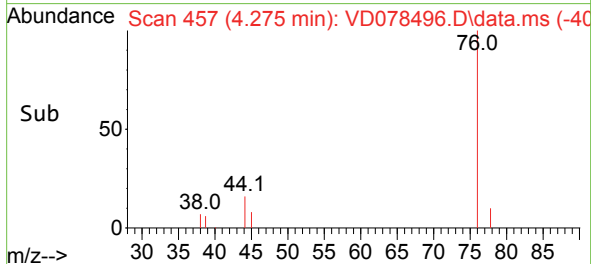
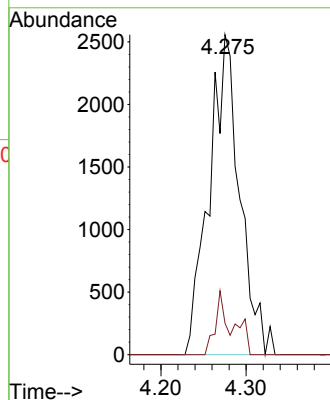
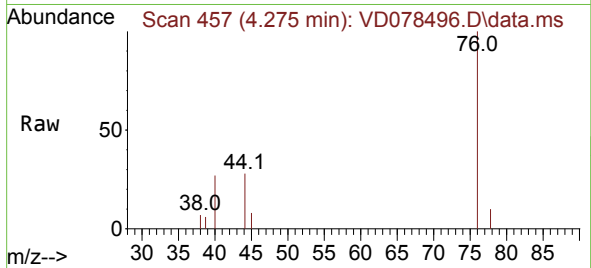




#17
Carbon Disulfide
Concen: 1.681 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

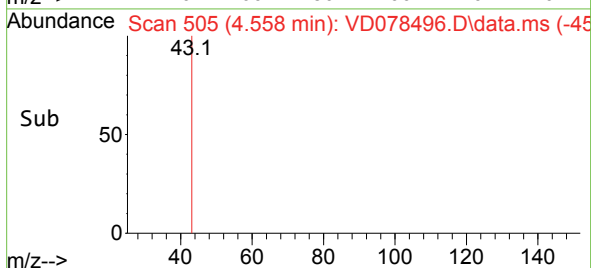
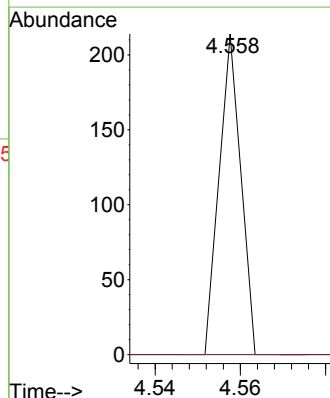
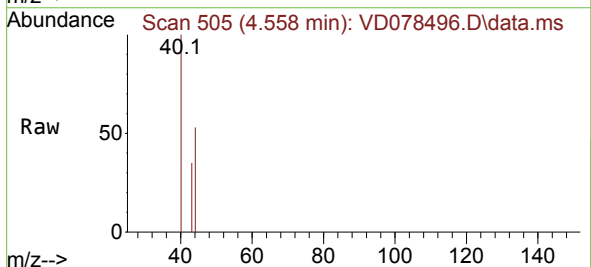
Instrument :
MSVOA_D
ClientSampleId :
20241096-COMPOSITE-35N-N-4-01

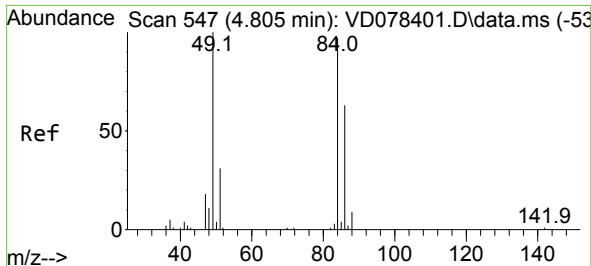
Tgt Ion: 76 Resp: 6383
Ion Ratio Lower Upper
76 100
78 9.9 6.8 10.2



#18
Methyl Acetate
Concen: 4.028 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.017 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

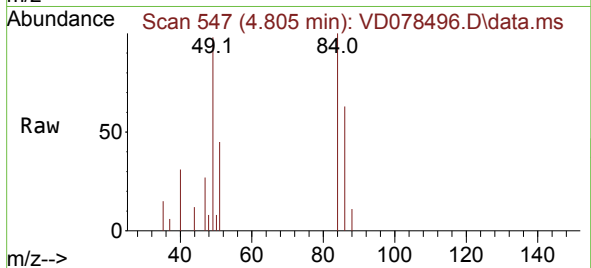
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



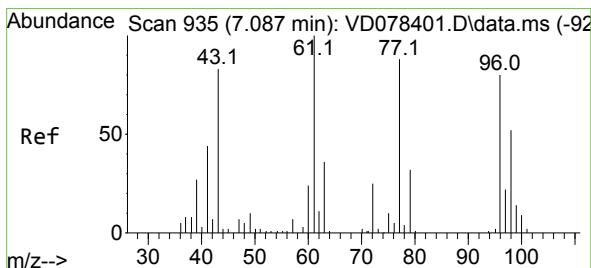
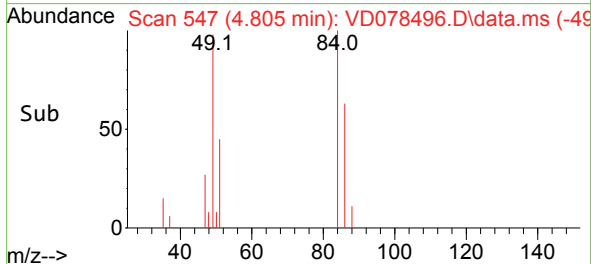
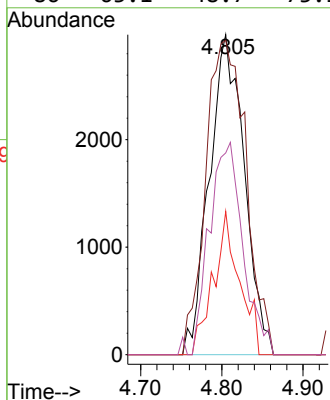


#20
Methylene Chloride
Concen: 4.192 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Instrument :
MSVOA_D
ClientSampleId :
20241096-COMPOSITE-35N-N-4-01

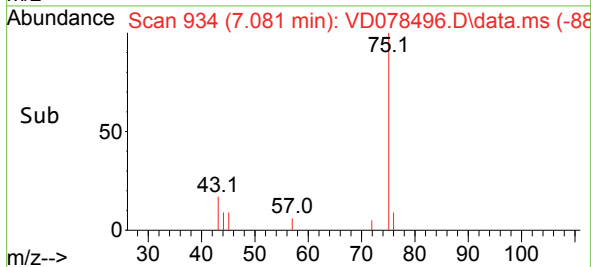
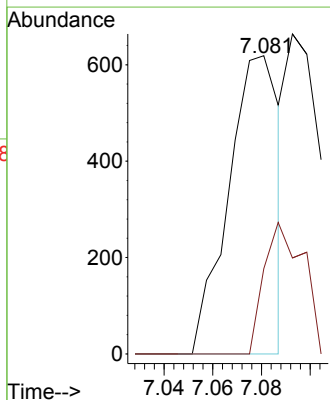
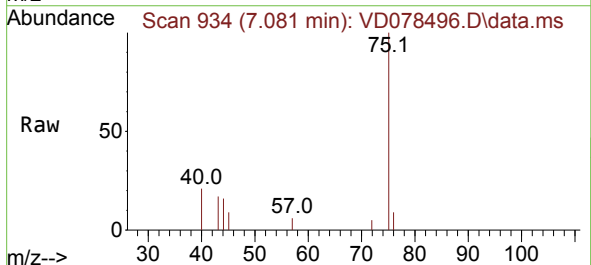


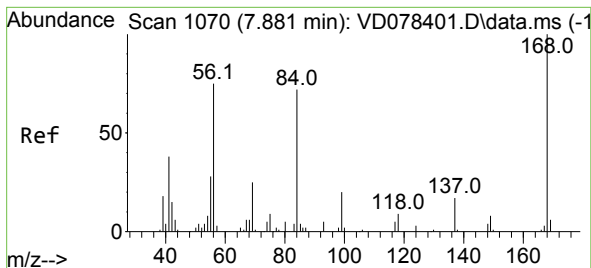
Tgt Ion:	84	Resp:	8906
Ion	Ratio	Lower	Upper
84	100		
49	98.3	71.4	107.2
51	44.7	24.5	36.7#
86	63.1	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion:	43	Resp:	899
Ion	Ratio	Lower	Upper
43	100		
72	28.6	30.7	46.1#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.893 min Scan# 1070

Delta R.T. 0.012 min

Lab File: VD078496.D

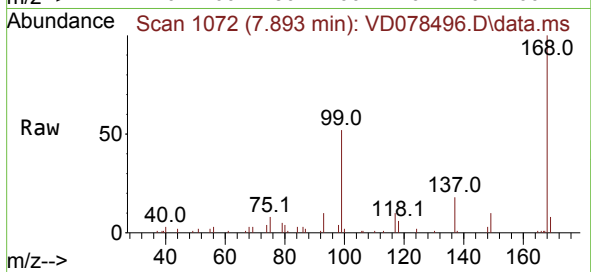
Acq: 21 Feb 2024 13:56

Instrument :

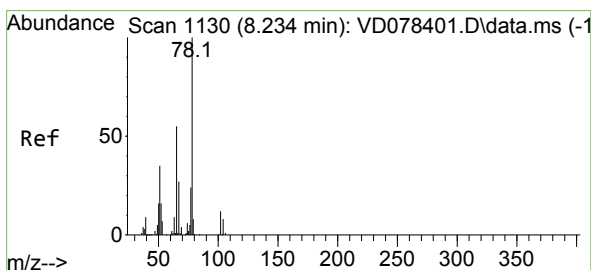
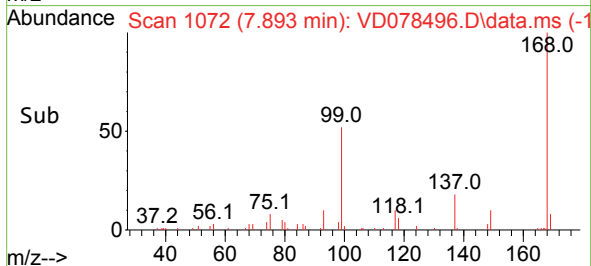
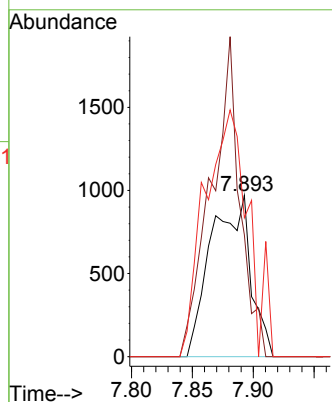
MSVOA_D

ClientSampleId :

20241096-COMPOSITE-35N-N-4-01



Tgt Ion:	56	Resp:	2195
Ion Ratio	Lower	Upper	
56	100		
69	75.6	28.6	43.0#
84	86.1	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 42.904 ug/l

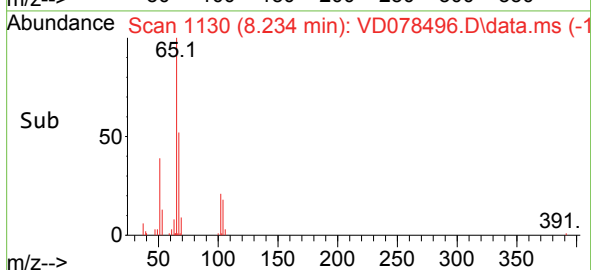
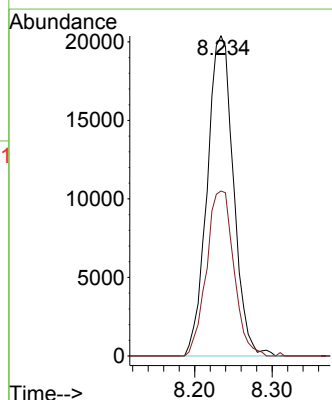
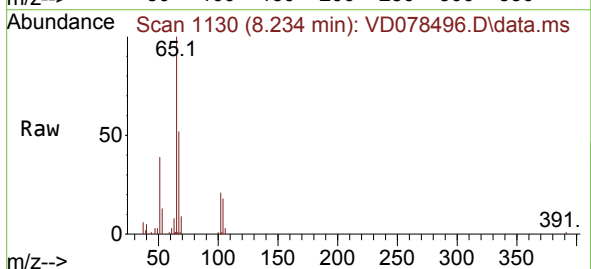
RT: 8.234 min Scan# 1130

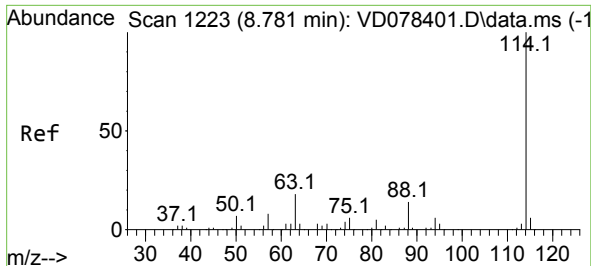
Delta R.T. -0.000 min

Lab File: VD078496.D

Acq: 21 Feb 2024 13:56

Tgt Ion:	65	Resp:	48033
Ion Ratio	Lower	Upper	
65	100		
67	53.5	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078496.D

Acq: 21 Feb 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

20241096-COMPOSITE-35N-N-4-01

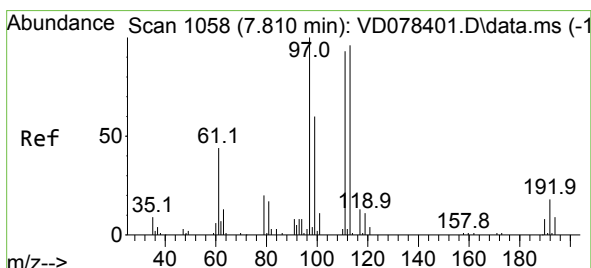
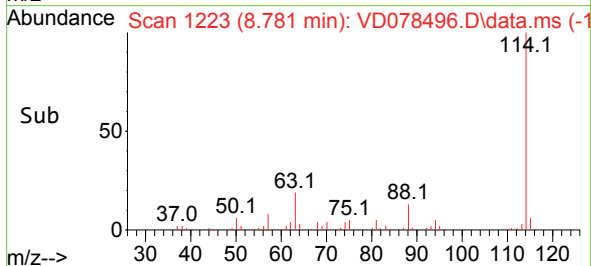
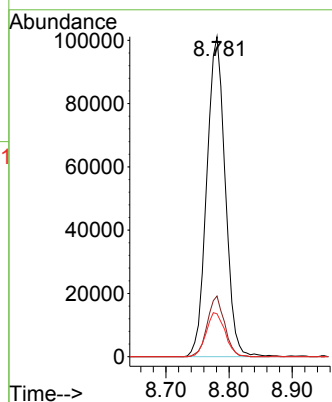
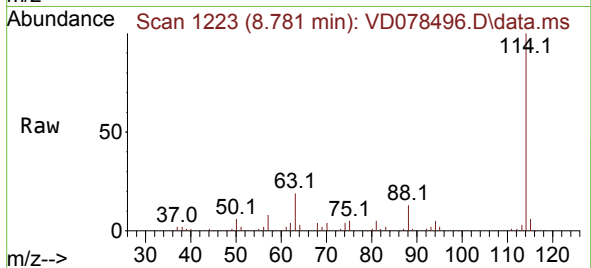
Tgt Ion:114 Resp: 205255

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.719 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078496.D

Acq: 21 Feb 2024 13:56

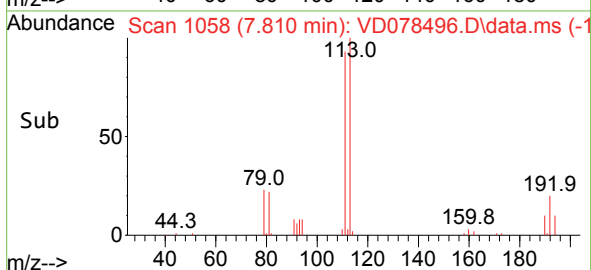
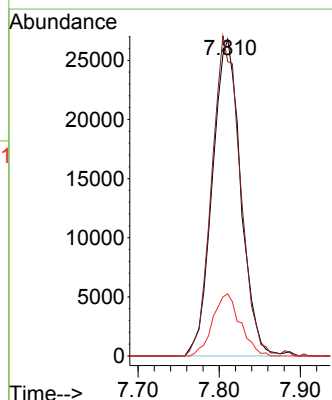
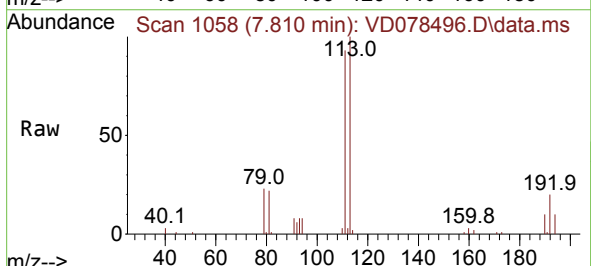
Tgt Ion:113 Resp: 64825

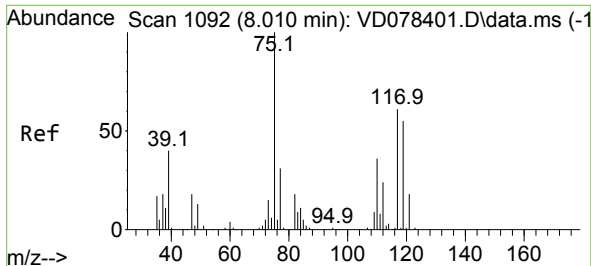
Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 19.2 16.8 25.2

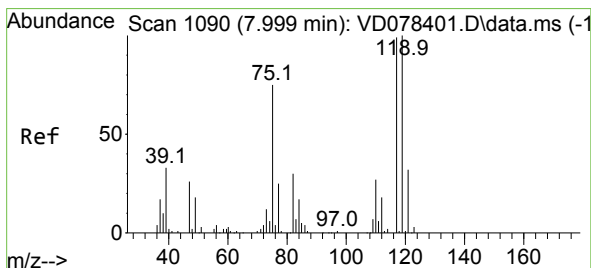
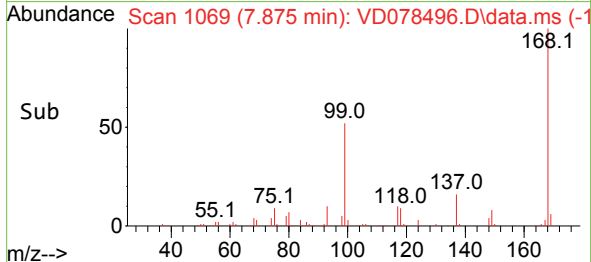
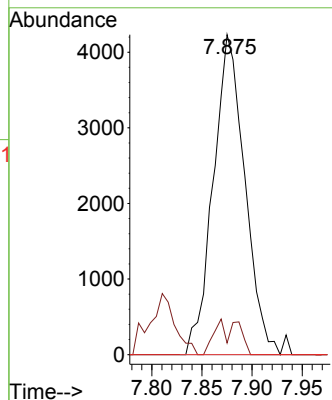
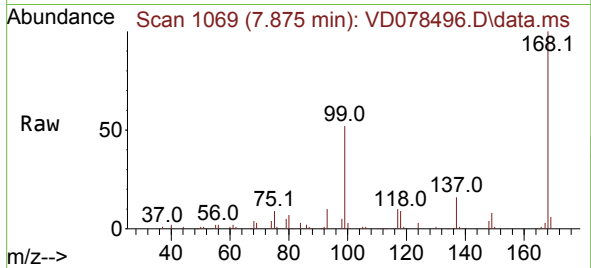




#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

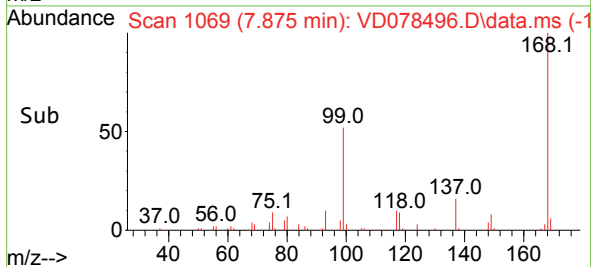
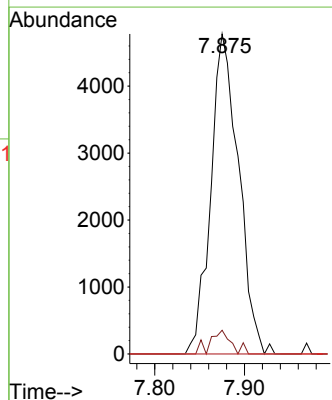
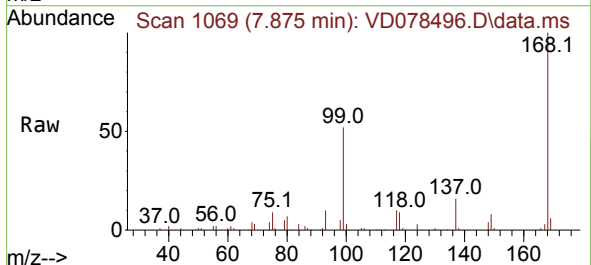
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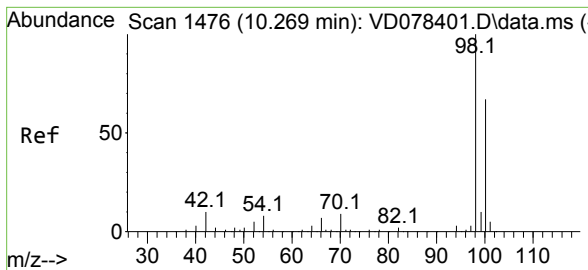
Tgt Ion: 75 Resp: 9268
Ion Ratio Lower Upper
75 100
110 4.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion: 117 Resp: 10324
Ion Ratio Lower Upper
117 100
119 7.4 78.0 117.0#
121 0.0 24.2 36.2#

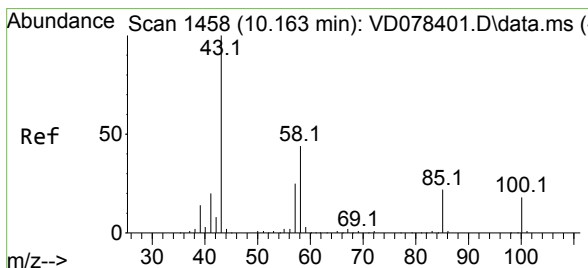
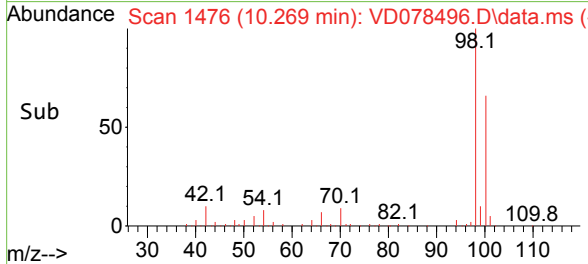
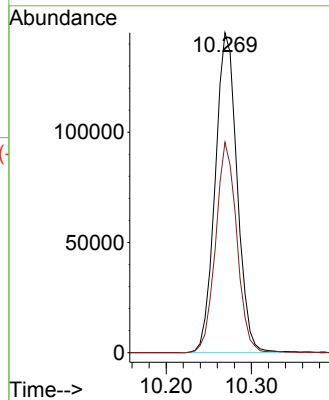
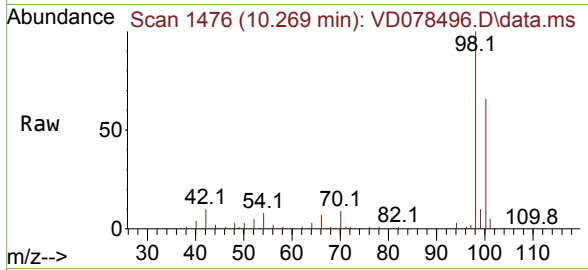




#50
Toluene-d8
Concen: 49.611 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

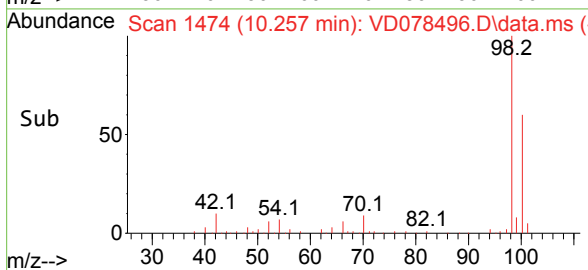
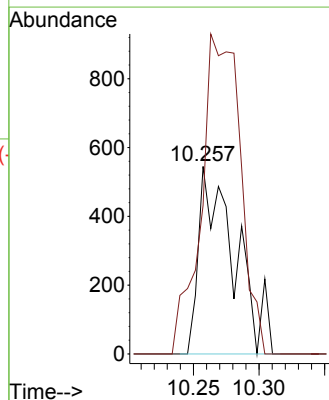
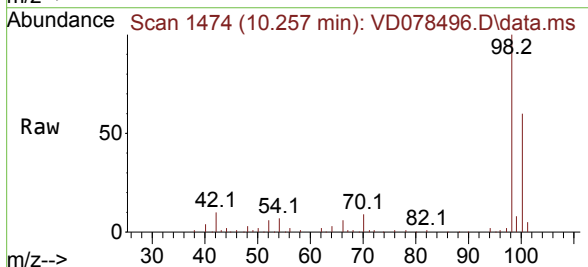
Instrument : MSVOA_D
ClientSampleId : 20241096-COMPOSITE-35N-N-4-01

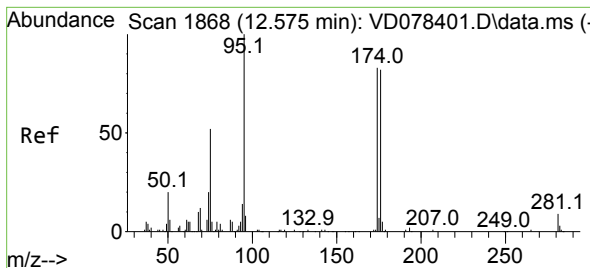
Tgt Ion: 98 Resp: 258749
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.495 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. 0.094 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
58 184.9 38.9 58.3#

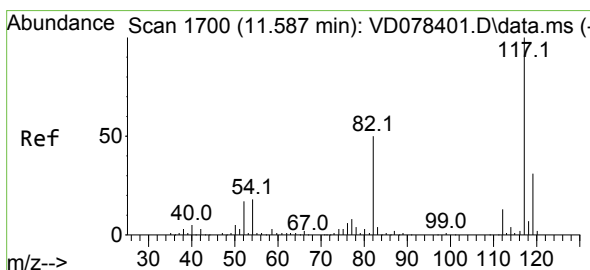
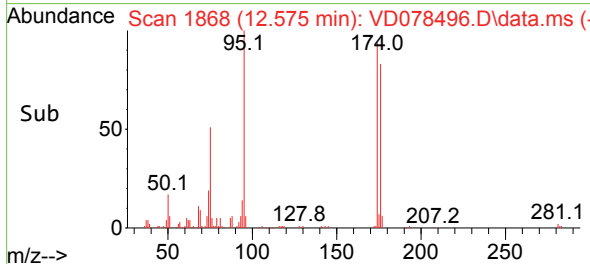
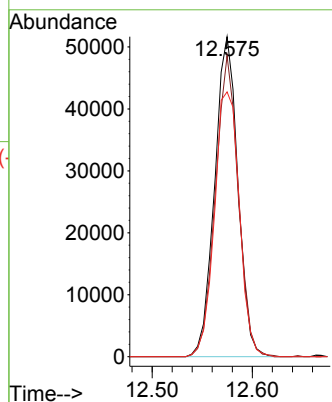
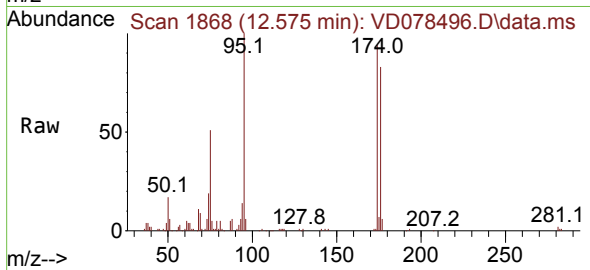




#62
4-Bromofluorobenzene
Concen: 54.761 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

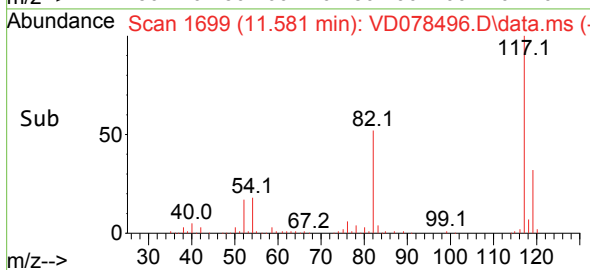
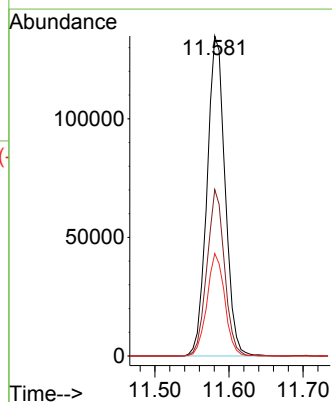
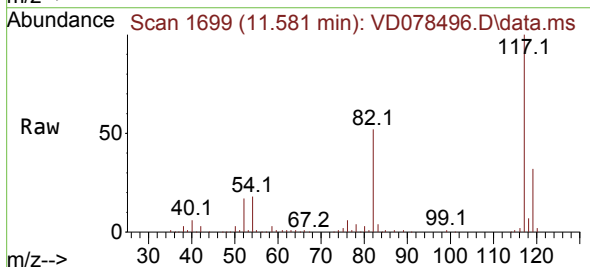
Instrument : MSVOA_D
ClientSampleId : 20241096-COMPOSITE-35N-N-4-01

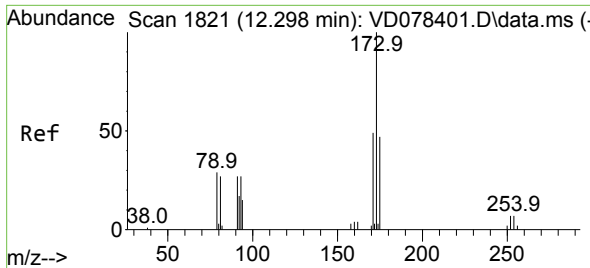
Tgt Ion:	95	Resp:	83114
Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	201.8
176	88.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion:	117	Resp:	227862
Ion	Ratio	Lower	Upper
117	100		
82	52.0	38.3	57.5
119	32.0	25.0	37.4





#71

Bromoform

Concen: 1.038 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

Lab File: VD078496.D

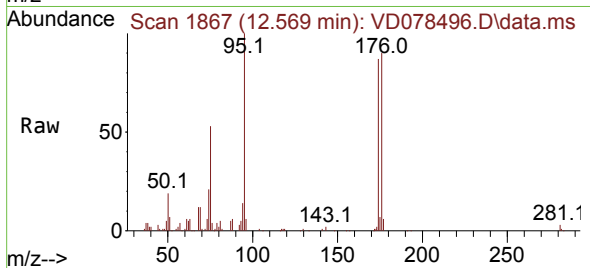
Acq: 21 Feb 2024 13:56

Instrument :

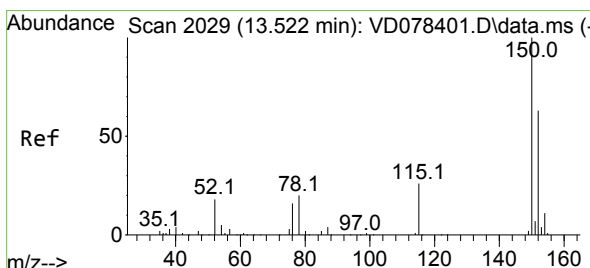
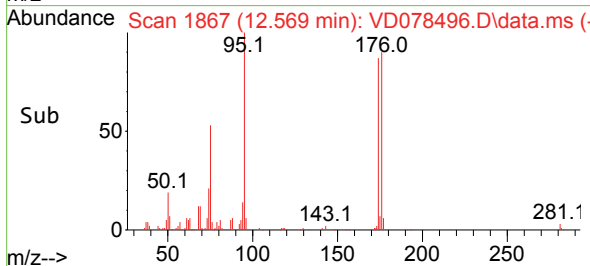
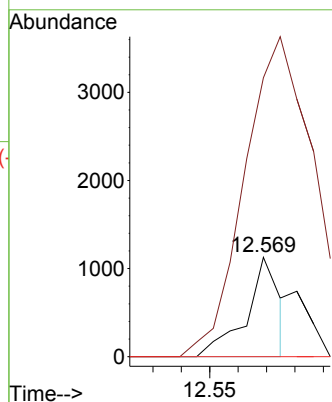
MSVOA_D

ClientSampleId :

20241096-COMPOSITE-35N-N-4-01



Tgt Ion:173	Resp:	920
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.6
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

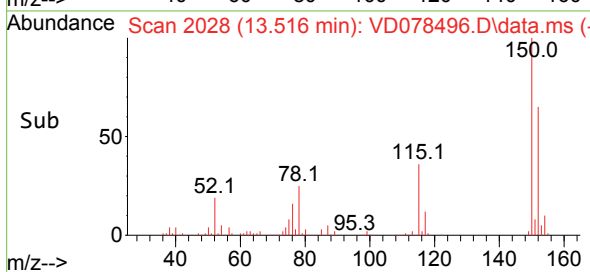
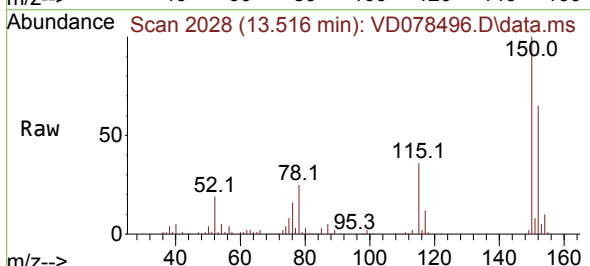
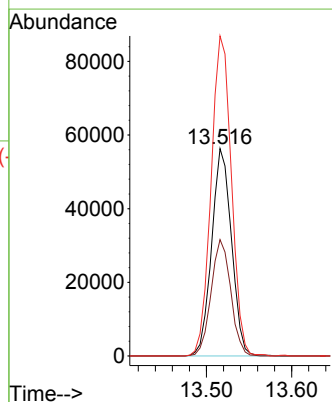
RT: 13.516 min Scan# 2028

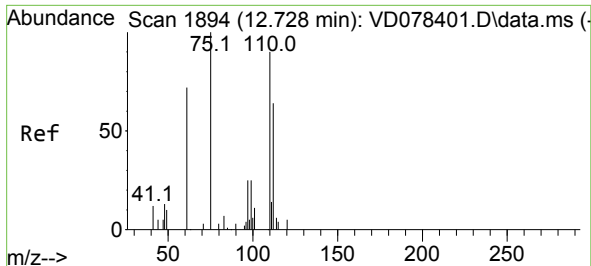
Delta R.T. -0.006 min

Lab File: VD078496.D

Acq: 21 Feb 2024 13:56

Tgt Ion:152	Resp:	91034
Ion Ratio	Lower	Upper
152	100	
115	55.6	27.1
150	157.8	0.0

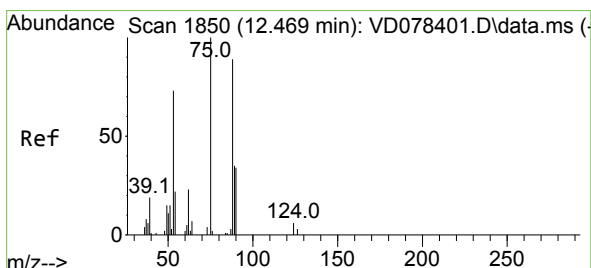
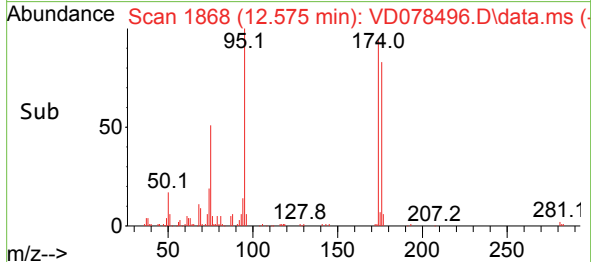
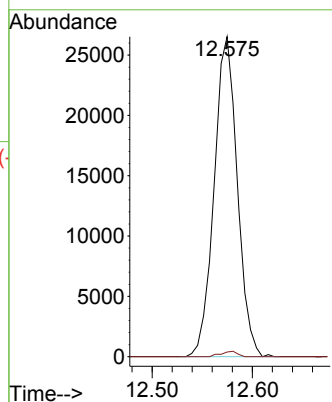
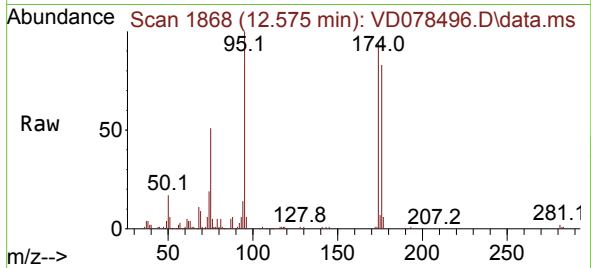




#76
1,2,3-Trichloropropane
Concen: 55.064 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Instrument : MSVOA_D
ClientSampleId : 20241096-COMPOSITE-35N-N-4-01

Tgt Ion: 75 Resp: 42556
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.313 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078496.D
Acq: 21 Feb 2024 13:56

Tgt Ion: 75 Resp: 42556
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

