

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078518.D
 Acq On : 22 Feb 2024 15:34
 Operator : RP/MD
 Sample : P1538-05RE
 Misc : 5.04G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241100-COMPOSITE-35N-N-4-05

Quant Time: Feb 23 01:04:45 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)

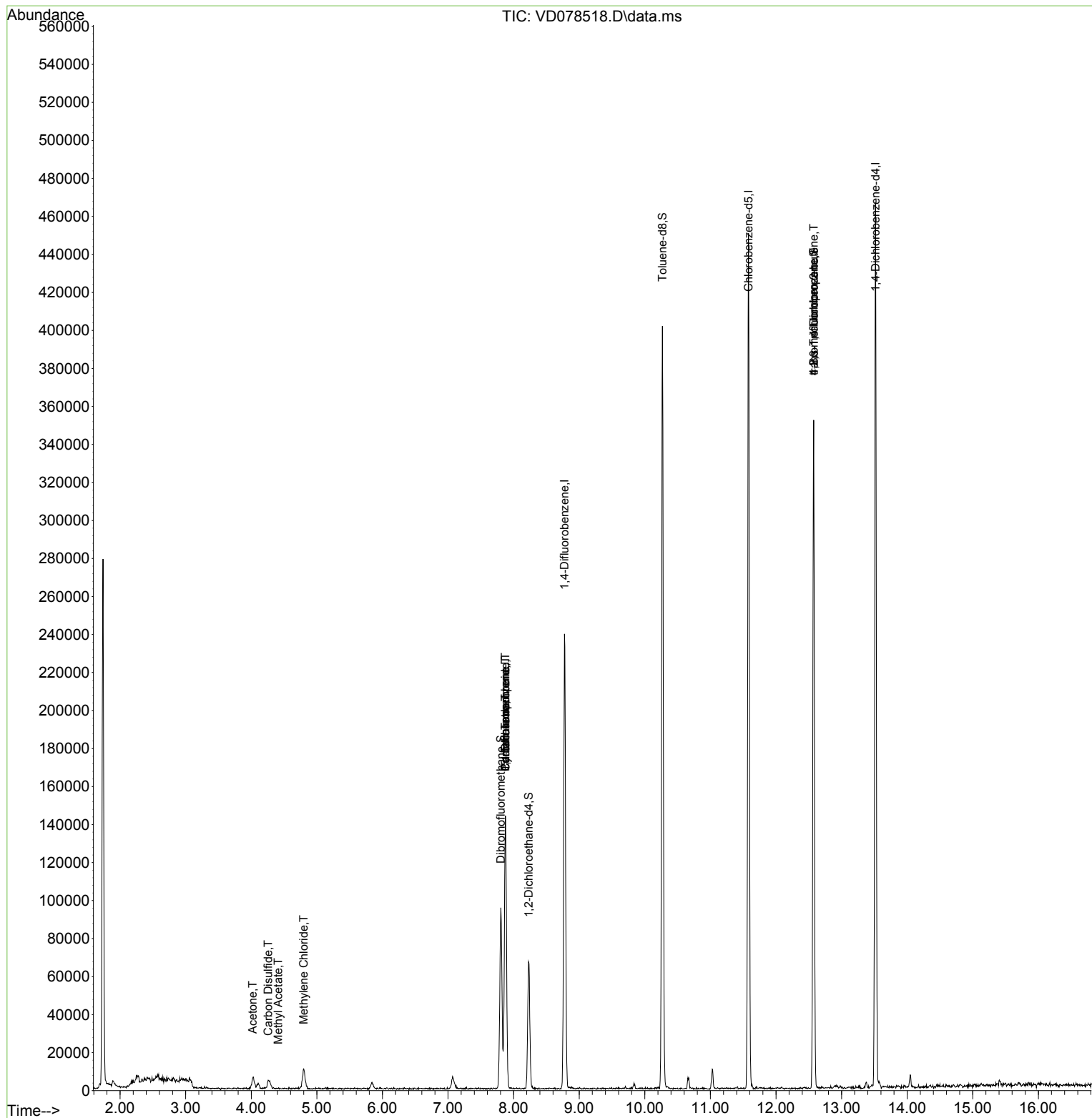
Internal Standards						
1) Pentafluorobenzene	7.875	168	111680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	215858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	264741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53577	44.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.740%
35) Dibromofluoromethane	7.805	113	68659	50.073	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.140%
50) Toluene-d8	10.269	98	282988	51.593	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.575	95	103777	65.016	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	130.040%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	10711	24.254	ug/l #	74
17) Carbon Disulfide	4.258	76	9523	2.325	ug/l #	93
18) Methyl Acetate	4.411	43	59	4.003	ug/l #	42
20) Methylene Chloride	4.799	84	7902	2.864	ug/l #	88
23) Vinyl Acetate	6.105	43	59	Below Cal	#	63
25) 2-Butanone	7.105	43	2451	Below Cal		100
31) Cyclohexane	7.875	56	2522	1.235	ug/l #	50
36) 1,1-Dichloropropene	7.875	75	9453	4.438	ug/l #	42
38) Carbon Tetrachloride	7.875	117	11210	5.314	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	54118	50.818	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54118	105.500	ug/l #	17

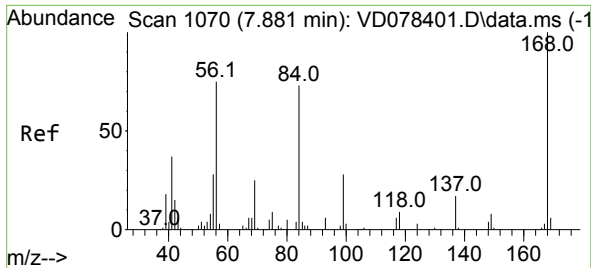
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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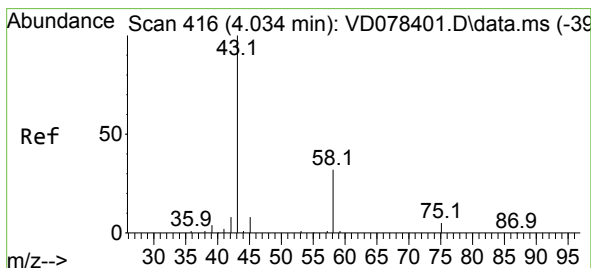
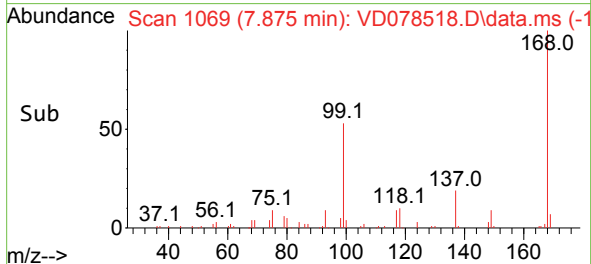
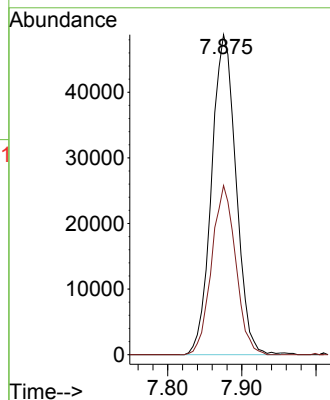
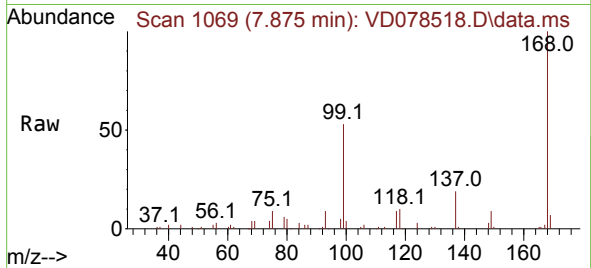




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

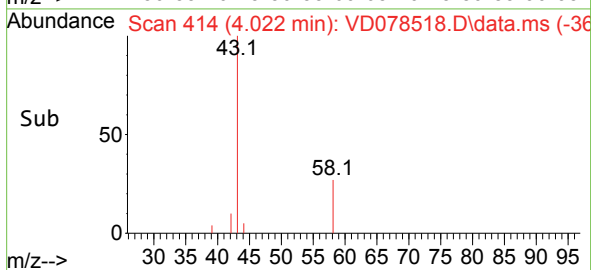
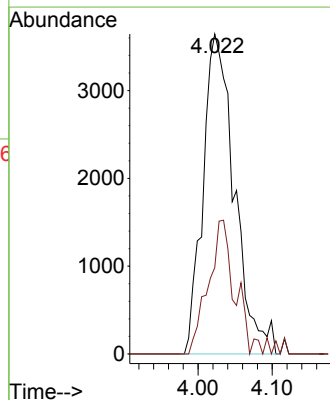
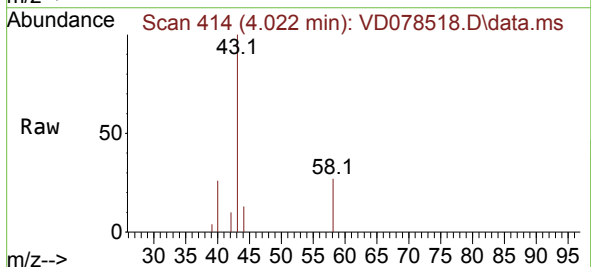
Instrument :
MSVOA_D
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

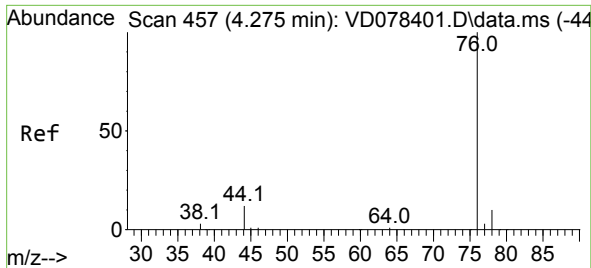
Tgt Ion:168 Resp: 111680
Ion Ratio Lower Upper
168 100
99 52.9 36.7 55.1



#16
Acetone
Concen: 24.254 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Tgt Ion: 43 Resp: 10711
Ion Ratio Lower Upper
43 100
58 27.0 34.7 52.1#

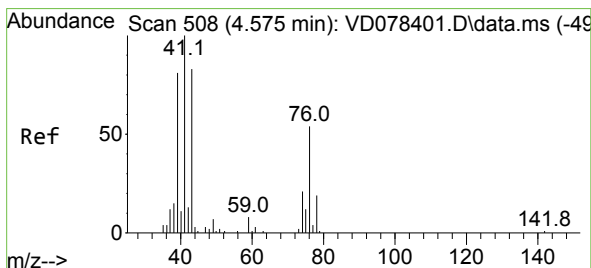
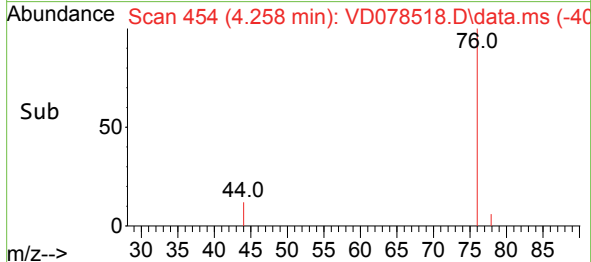
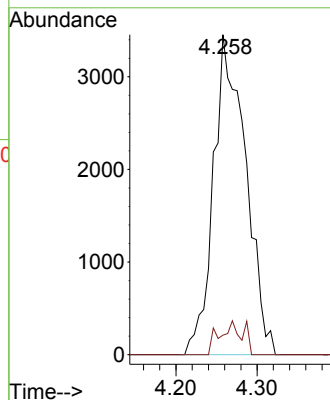
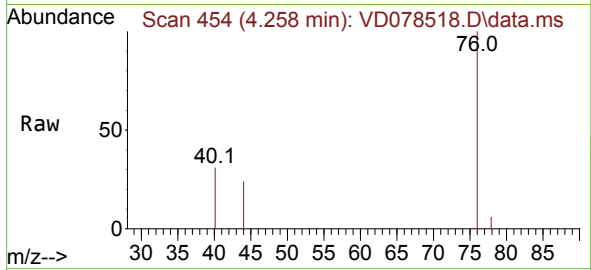




#17
Carbon Disulfide
Concen: 2.325 ug/l
RT: 4.258 min Scan# 41
Delta R.T. -0.018 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

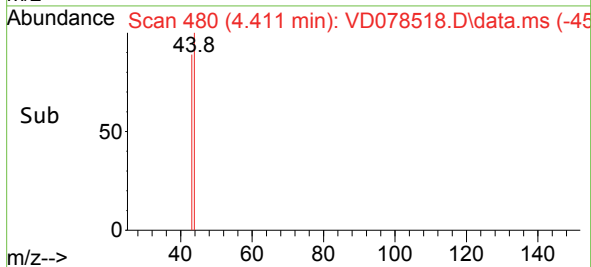
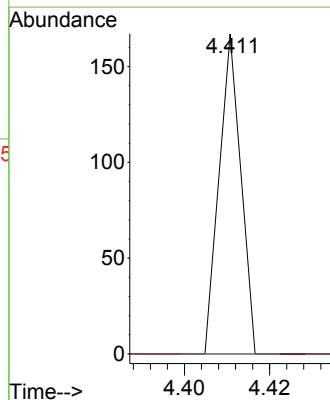
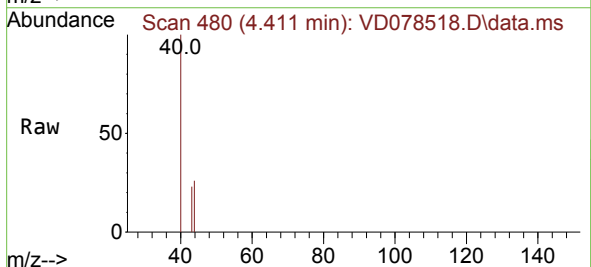
Instrument :
MSVOA_D
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

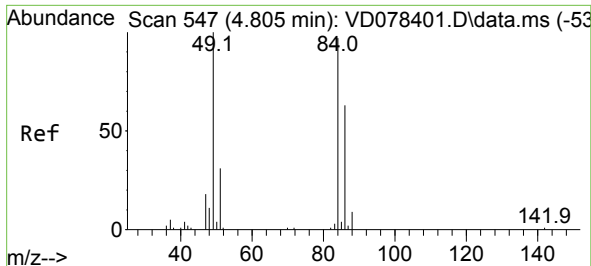
Tgt Ion: 76 Resp: 9523
Ion Ratio Lower Upper
76 100
78 6.1 6.8 10.2#



#18
Methyl Acetate
Concen: 4.003 ug/l
RT: 4.411 min Scan# 480
Delta R.T. -0.164 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

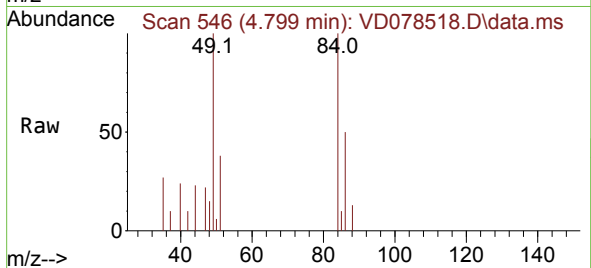
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



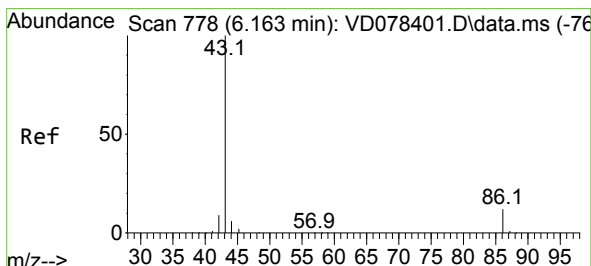
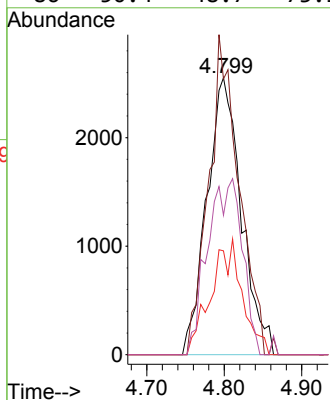
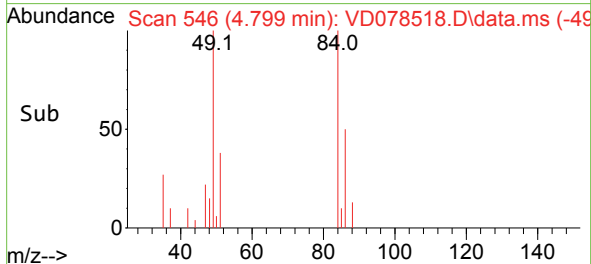


#20
Methylene Chloride
Concen: 2.864 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Instrument :
MSVOA_D
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

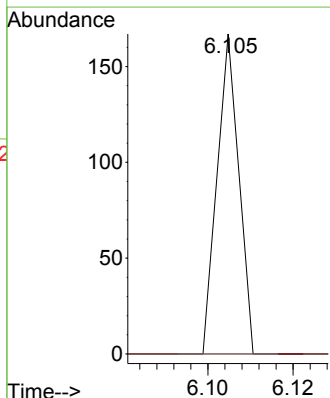
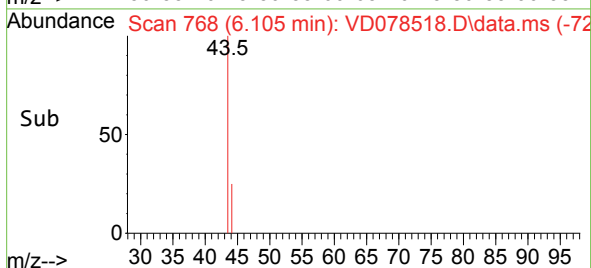
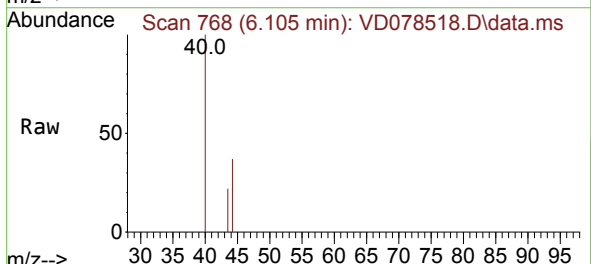


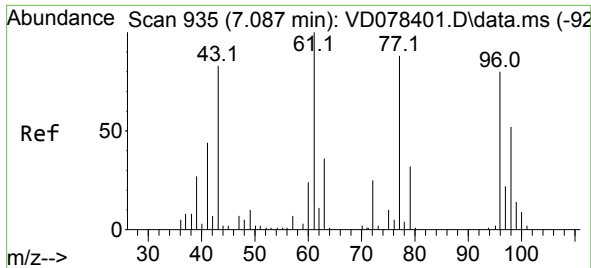
Tgt Ion:	84	Resp:	7902
Ion	Ratio	Lower	Upper
84	100		
49	99.5	71.4	107.2
51	37.5	24.5	36.7#
86	50.4	48.7	73.1



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.105 min Scan# 768
Delta R.T. -0.058 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	12.5	18.7#

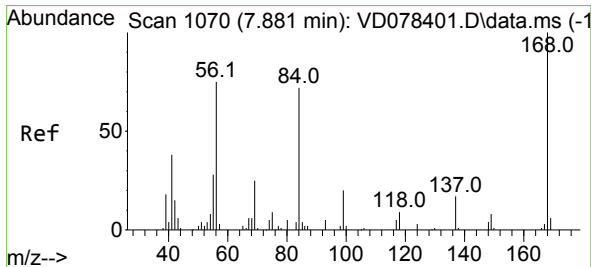
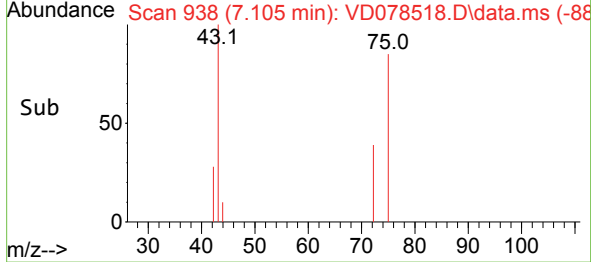
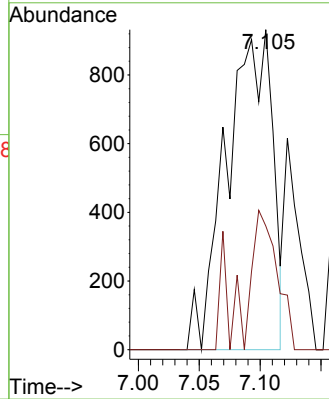
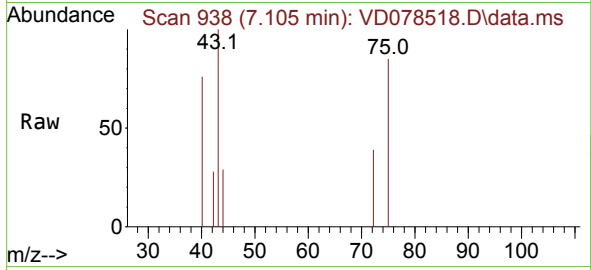




#25
2-Butanone
Concen: Below Cal
RT: 7.105 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

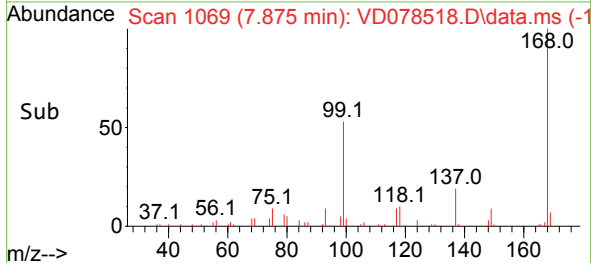
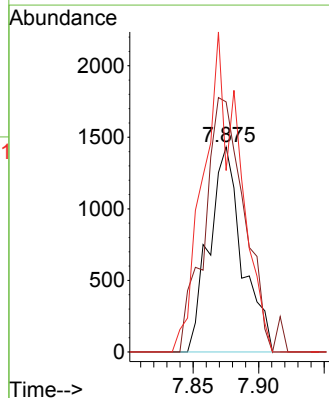
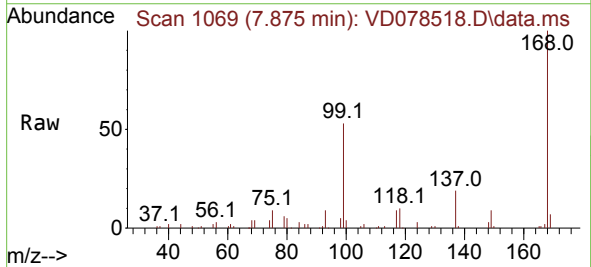
Instrument :
MSVOA_D
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

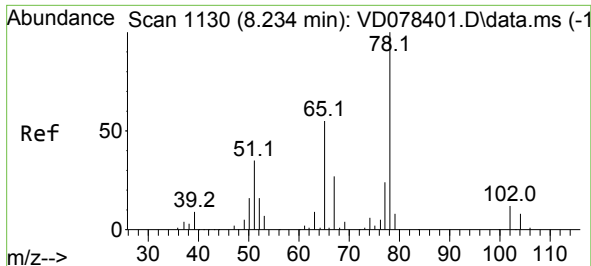
Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
72 38.6 30.7 46.1



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Tgt Ion: 56 Resp: 2522
Ion Ratio Lower Upper
56 100
69 122.1 28.6 43.0#
84 88.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 44.369 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078518.D

Acq: 22 Feb 2024 15:34

Instrument :

MSVOA_D

ClientSampleId :

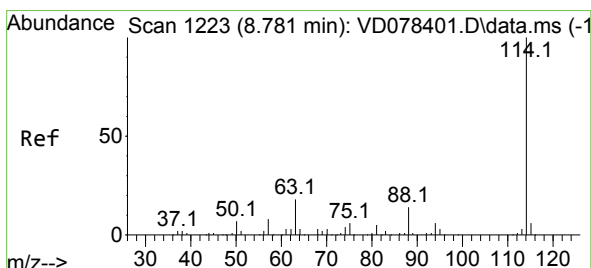
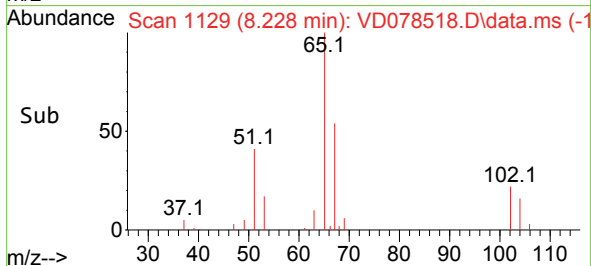
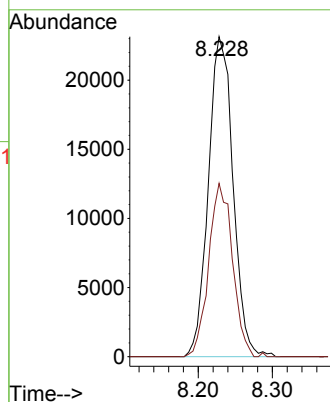
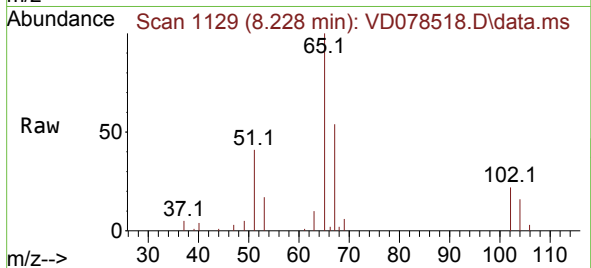
20241100-COMPOSITE-35N-N-4-05

Tgt Ion: 65 Resp: 53577

Ion Ratio Lower Upper

65 100

67 52.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078518.D

Acq: 22 Feb 2024 15:34

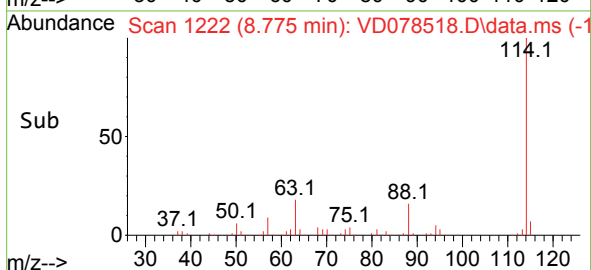
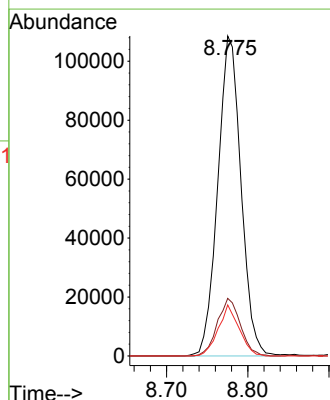
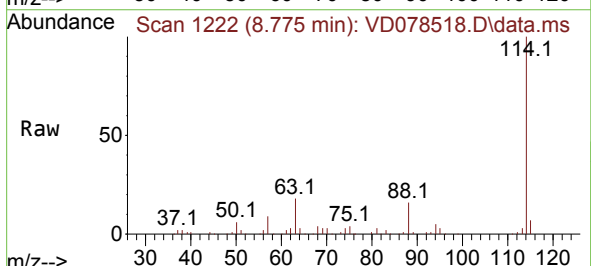
Tgt Ion:114 Resp: 215858

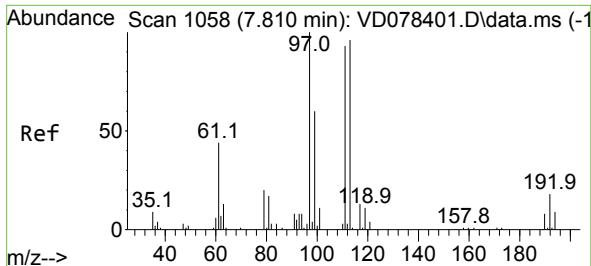
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

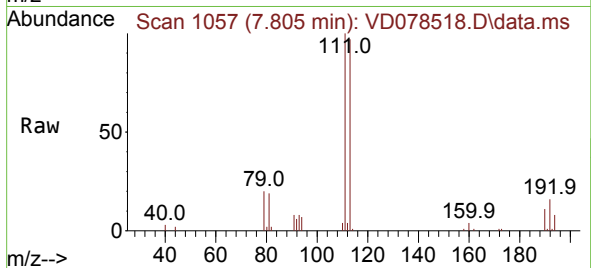
88 16.0 0.0 26.2



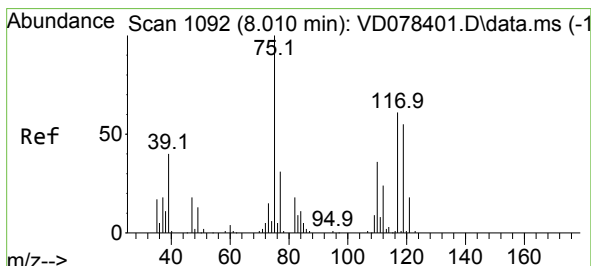
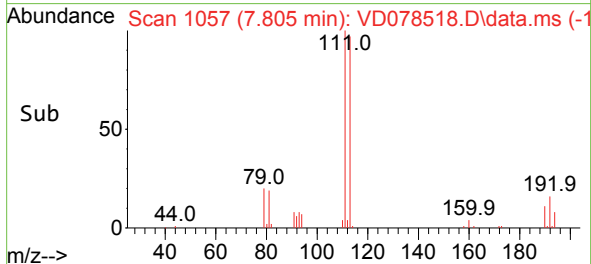
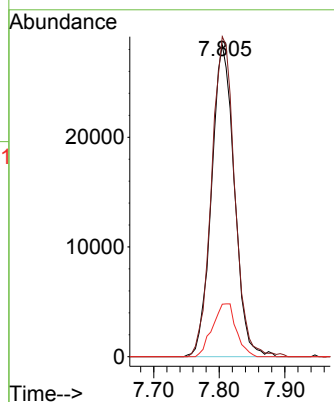


#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Instrument : MSVOA_D
ClientSampleId : 20241100-COMPOSITE-35N-N-4-05

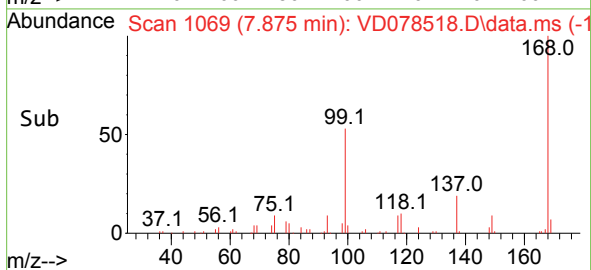
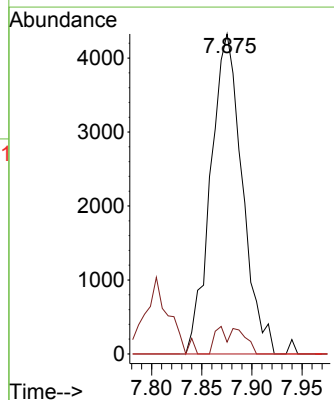
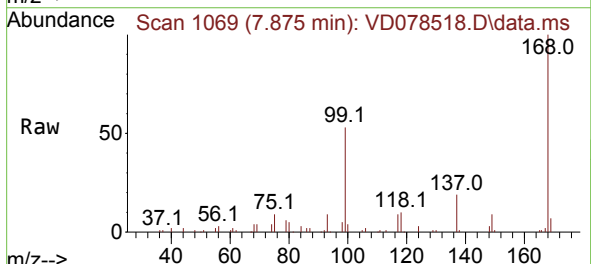


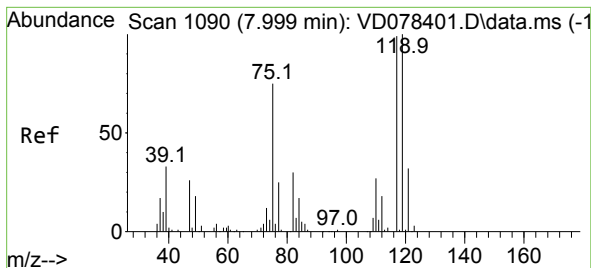
Tgt Ion:113 Resp: 68659
Ion Ratio Lower Upper
113 100
111 104.0 84.7 127.1
192 17.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.438 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Tgt Ion: 75 Resp: 9453
Ion Ratio Lower Upper
75 100
110 3.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.314 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078518.D

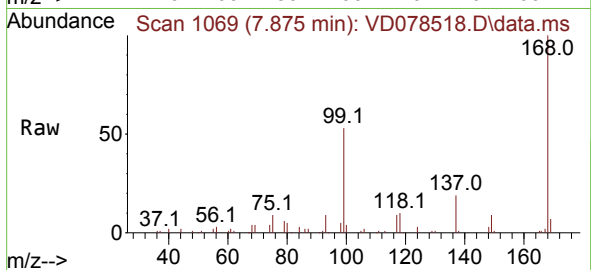
Acq: 22 Feb 2024 15:34

Instrument :

MSVOA_D

ClientSampleId :

20241100-COMPOSITE-35N-N-4-05



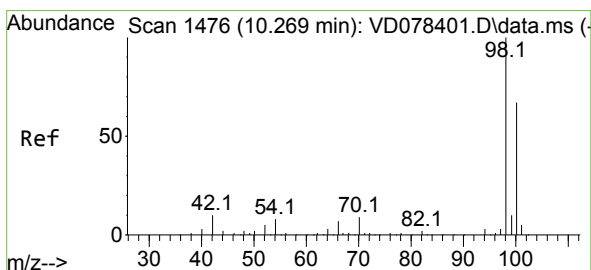
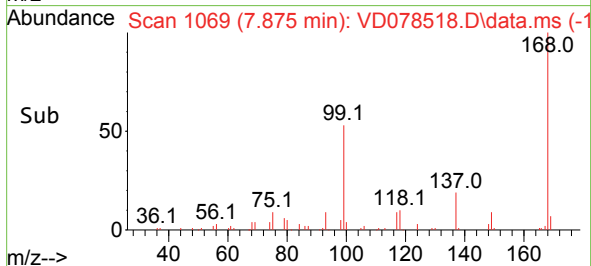
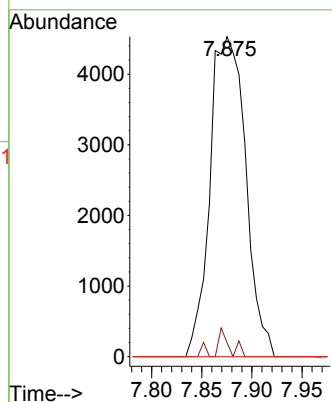
Tgt Ion:117 Resp: 11210

Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 51.593 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078518.D

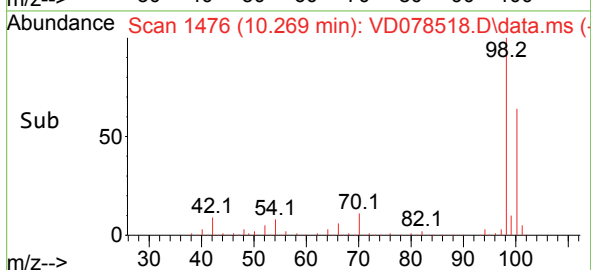
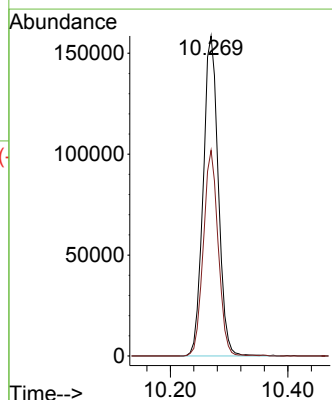
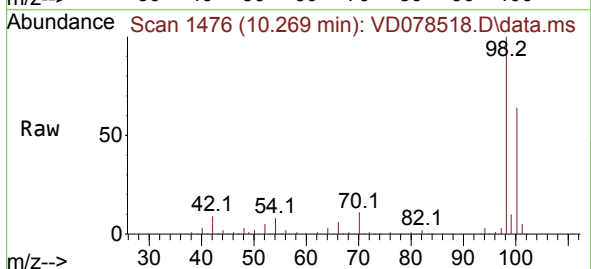
Acq: 22 Feb 2024 15:34

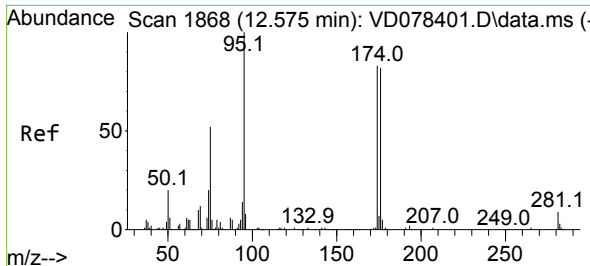
Tgt Ion: 98 Resp: 282988

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5

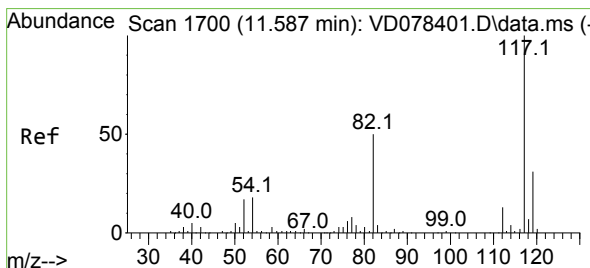
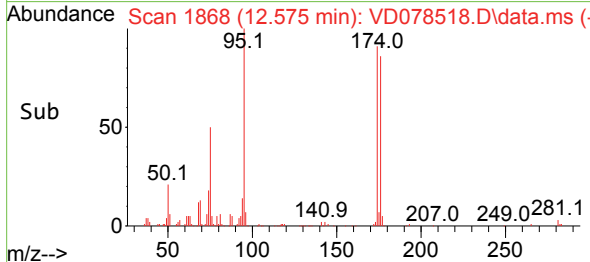
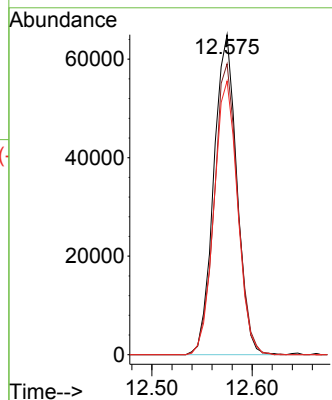
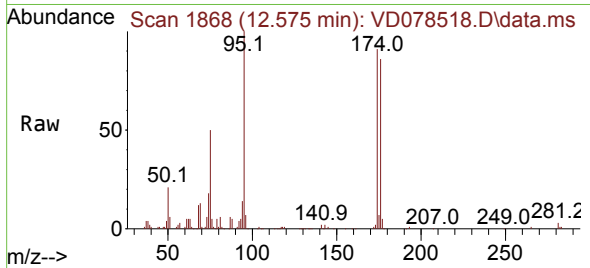




#62
4-Bromofluorobenzene
Concen: 65.016 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

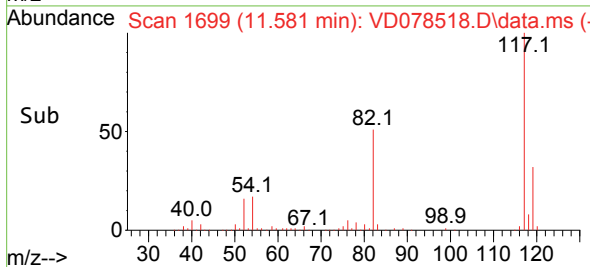
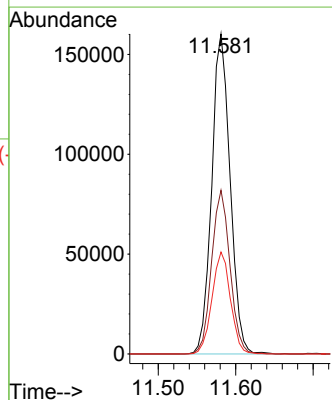
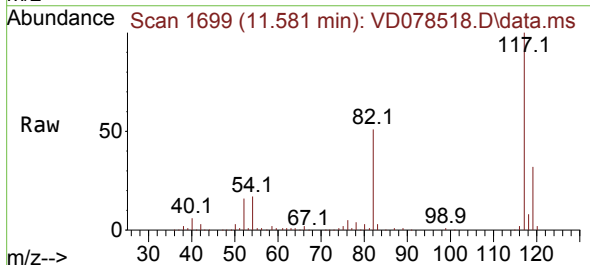
Instrument :
MSVOA_D
ClientSampleId :
20241100-COMPOSITE-35N-N-4-05

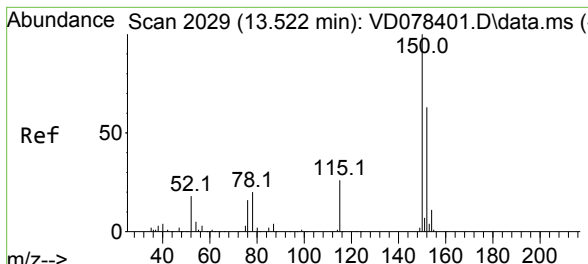
Tgt Ion: 95 Resp: 103777
Ion Ratio Lower Upper
95 100
174 92.0 0.0 201.8
176 87.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078518.D
Acq: 22 Feb 2024 15:34

Tgt Ion: 117 Resp: 264741
Ion Ratio Lower Upper
117 100
82 51.2 38.3 57.5
119 31.9 25.0 37.4

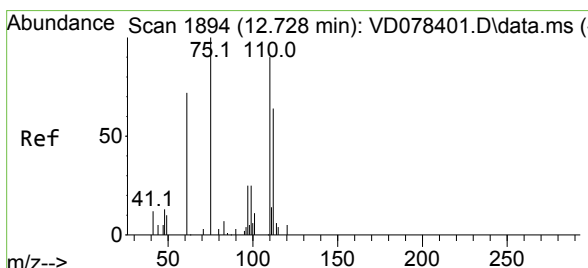
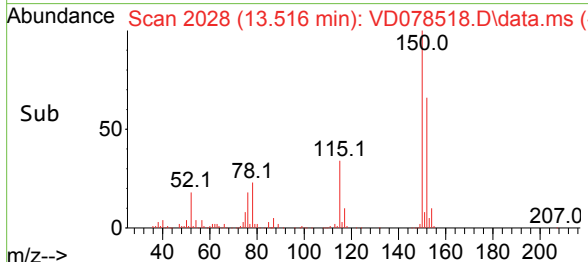
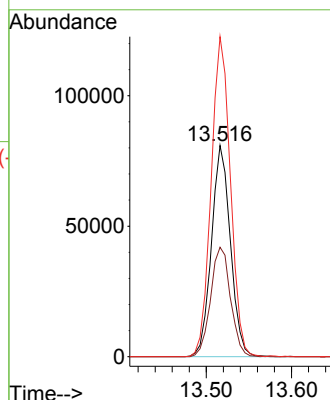
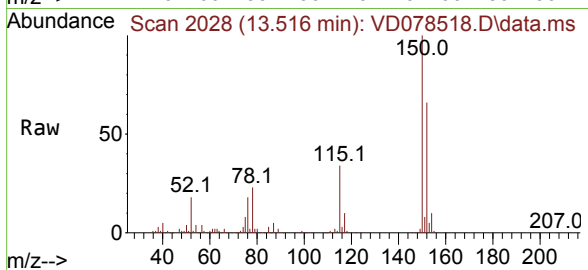




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078518.D
 Acq: 22 Feb 2024 15:34

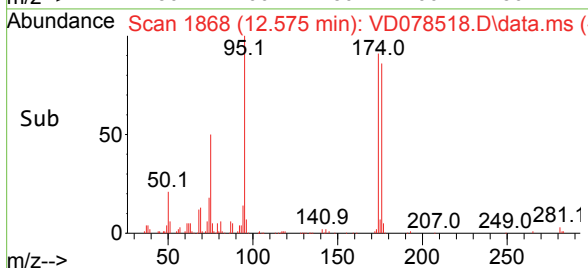
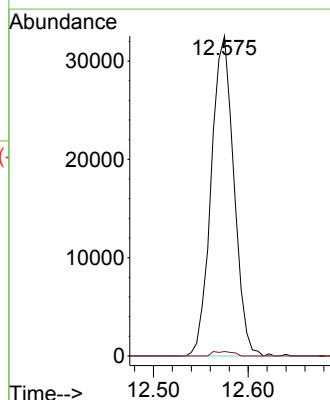
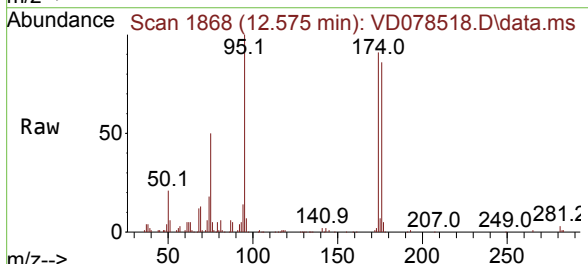
Instrument : MSVOA_D
 ClientSampleId : 20241100-COMPOSITE-35N-N-4-05

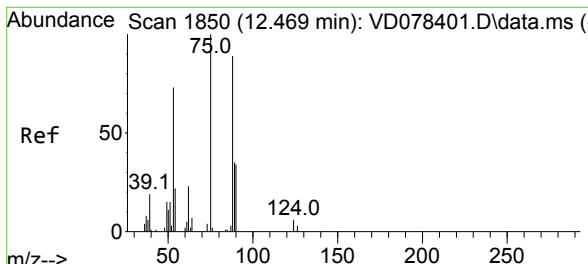
Tgt Ion:152 Resp: 125438
 Ion Ratio Lower Upper
 152 100
 115 54.4 27.1 81.3
 150 153.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 50.818 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078518.D
 Acq: 22 Feb 2024 15:34

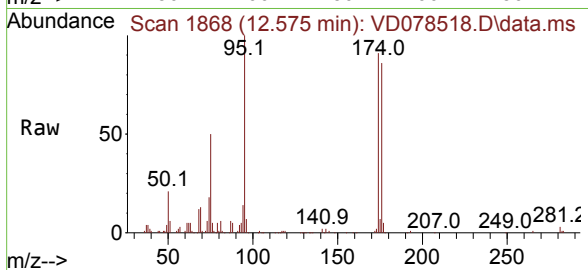
Tgt Ion: 75 Resp: 54118
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.500 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078518.D
 Acq: 22 Feb 2024 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 20241100-COMPOSITE-35N-N-4-05



Tgt Ion:	75	Resp:	54118
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

