

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078501.D
 Acq On : 21 Feb 2024 16:13
 Operator : RP/MD
 Sample : P1538-06
 Misc : 5.05G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06

Quant Time: Feb 22 00:05:25 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)

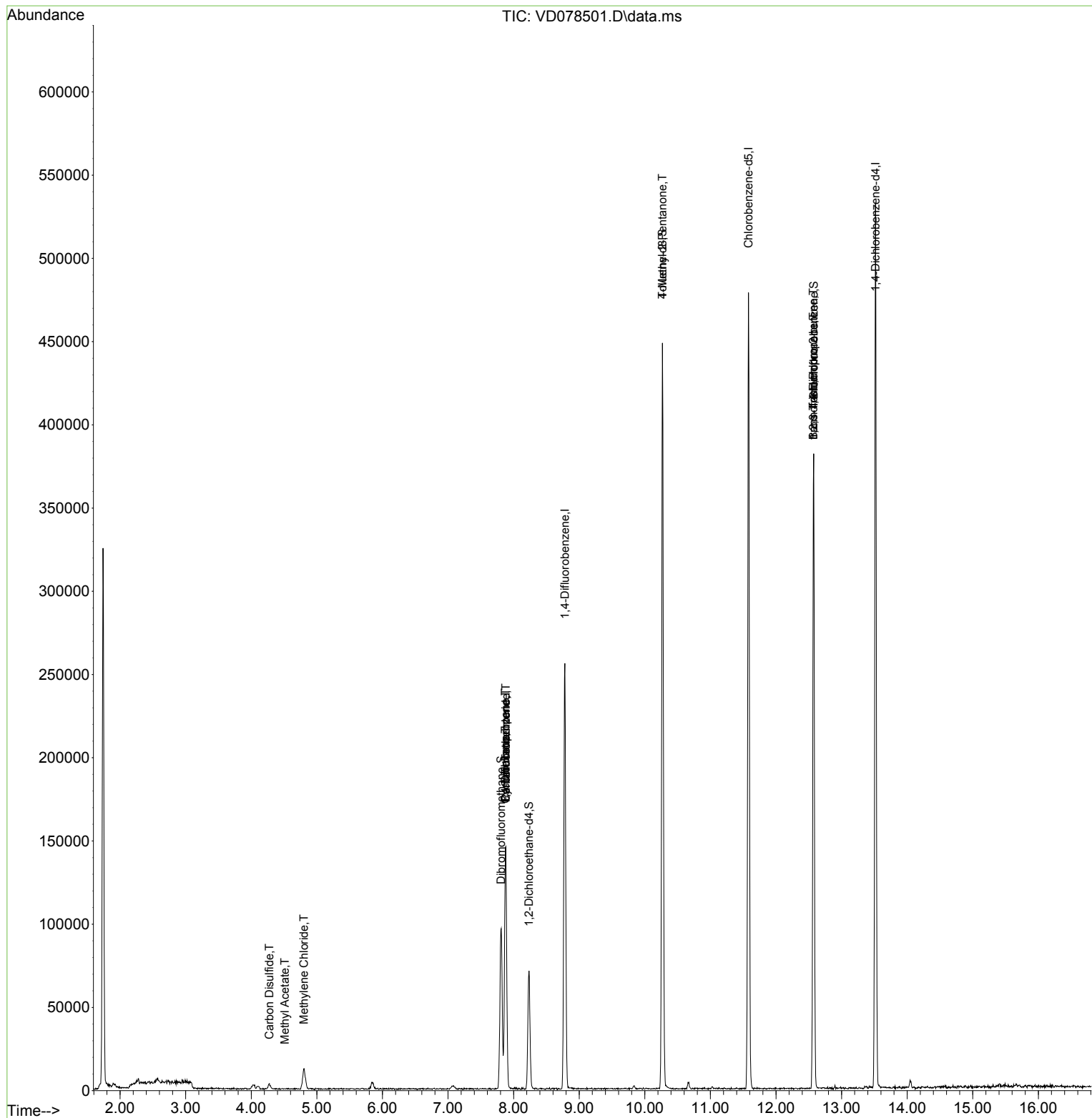
Internal Standards						
1) Pentafluorobenzene	7.881	168	116169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55652	44.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.620%		
35) Dibromofluoromethane	7.810	113	72845	48.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.280%		
50) Toluene-d8	10.269	98	311018	51.381	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.760%		
62) 4-Bromofluorobenzene	12.575	95	116130	65.926	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	131.860%		
Target Compounds						
16) Acetone	4.034	43	4783	Below Cal		88
17) Carbon Disulfide	4.275	76	5067	1.189 ug/l #		76
18) Methyl Acetate	4.511	43	58	3.999 ug/l #		42
20) Methylene Chloride	4.805	84	10222	4.364 ug/l		90
23) Vinyl Acetate	6.405	43	61	Below Cal #		63
25) 2-Butanone	7.099	43	1075	Below Cal #		37
31) Cyclohexane	7.875	56	2318	1.091 ug/l #		6
36) 1,1-Dichloropropene	7.875	75	8985	3.822 ug/l #		47
38) Carbon Tetrachloride	7.881	117	11002	4.726 ug/l #		15
51) 4-Methyl-2-Pentanone	10.269	43	1351	1.668 ug/l #		1
71) Bromoform	12.569	173	1217	1.088 ug/l #		28
76) 1,2,3-Trichloropropane	12.569	75	62031	51.816 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.569	75	62031	107.571 ug/l #		17

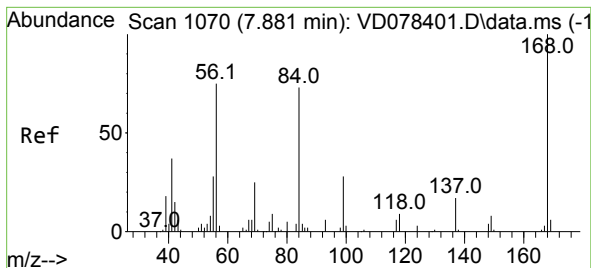
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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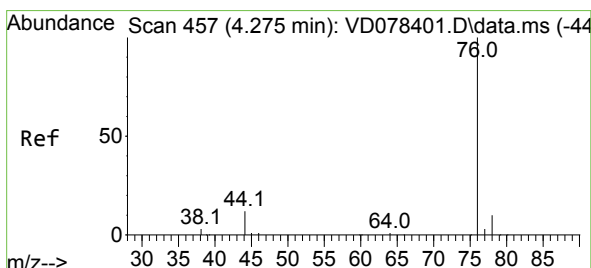
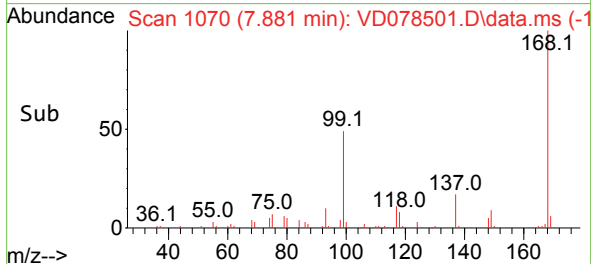
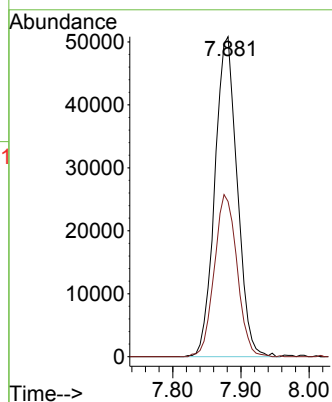
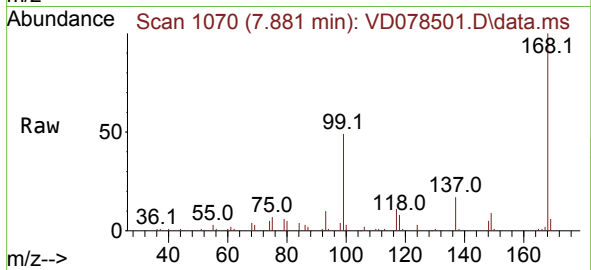




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

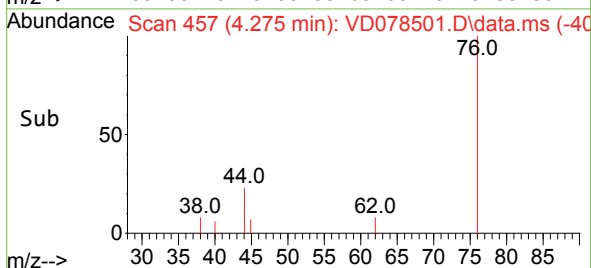
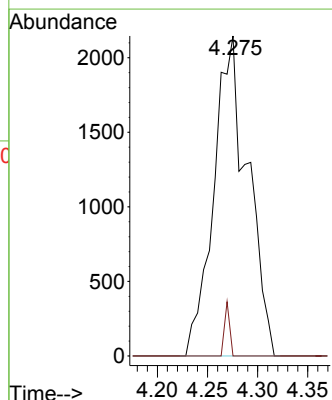
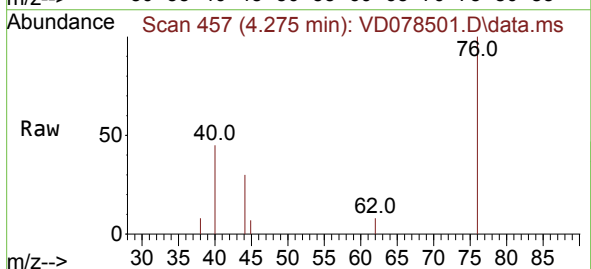
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

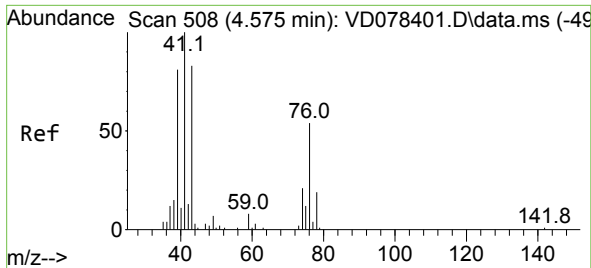
Tgt Ion:168 Resp: 116169
Ion Ratio Lower Upper
168 100
99 48.5 36.7 55.1



#17
Carbon Disulfide
Concen: 1.189 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion: 76 Resp: 5067
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

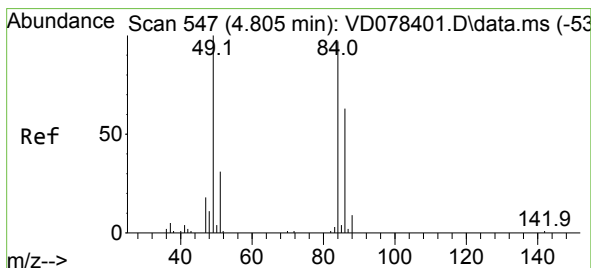
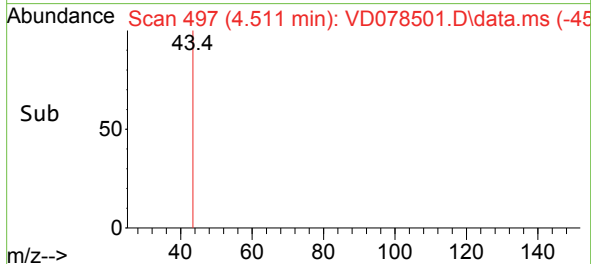
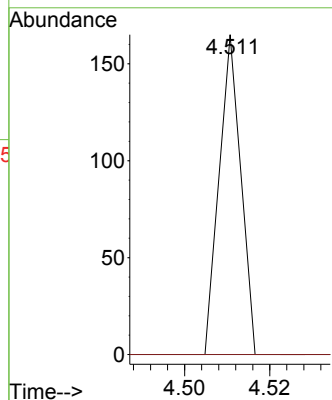
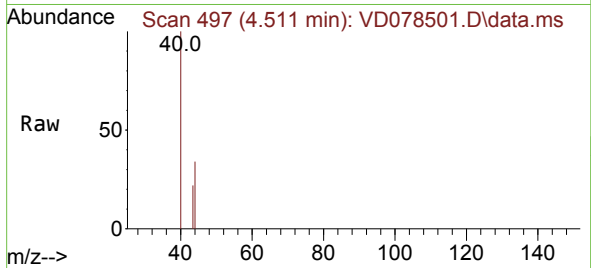




#18
Methyl Acetate
Concen: 3.999 ug/l
RT: 4.511 min Scan# 497
Delta R.T. -0.064 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

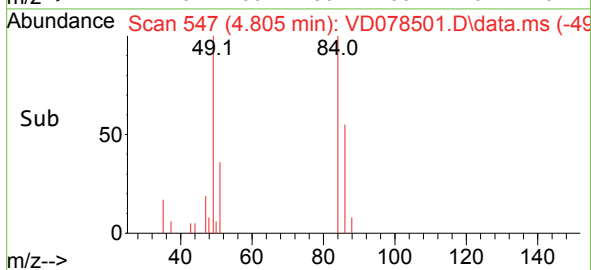
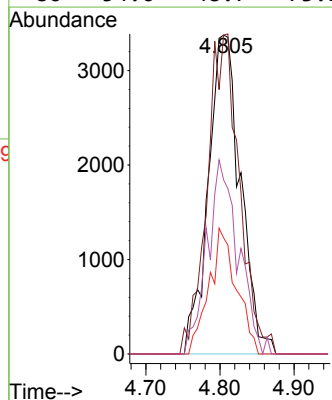
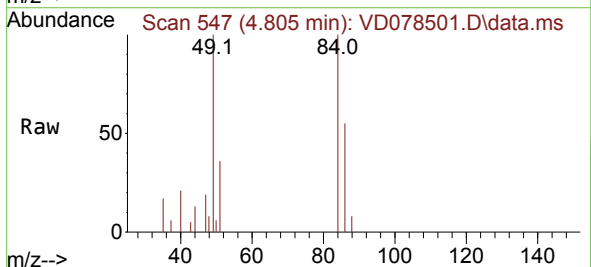
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

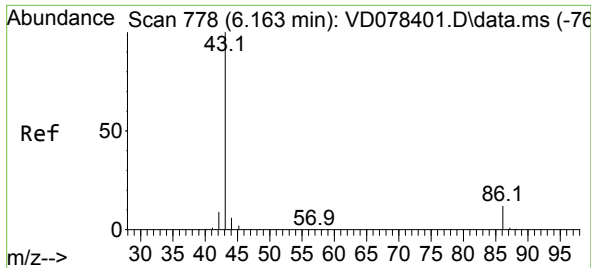
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 4.364 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion: 84 Resp: 10222
Ion Ratio Lower Upper
84 100
49 100.0 71.4 107.2
51 36.4 24.5 36.7
86 54.6 48.7 73.1

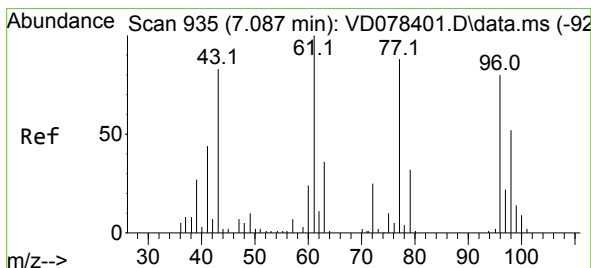
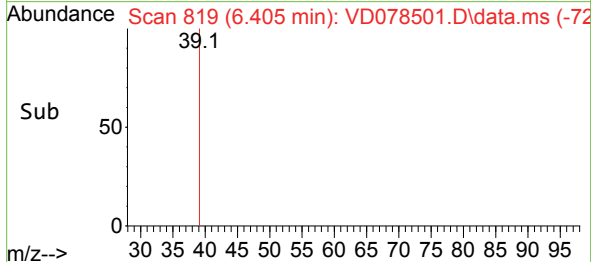
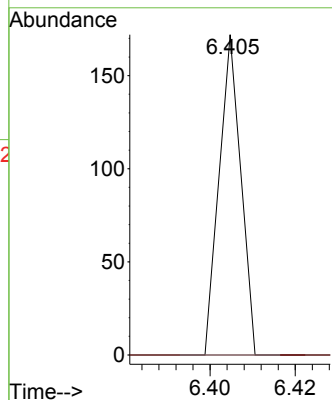
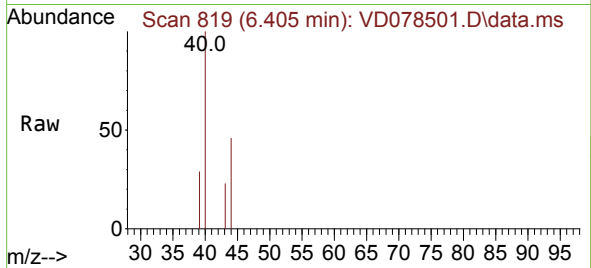




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.405 min Scan# 81
 Delta R.T. 0.242 min
 Lab File: VD078501.D
 Acq: 21 Feb 2024 16:13

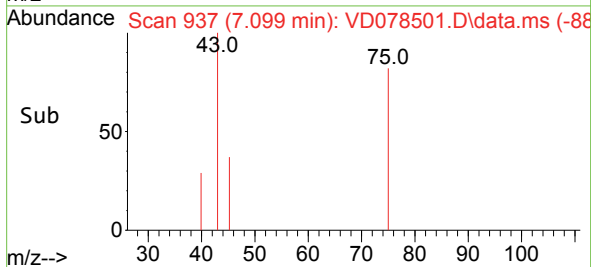
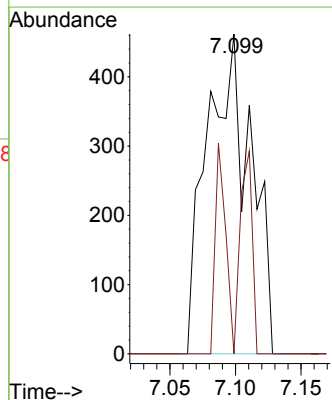
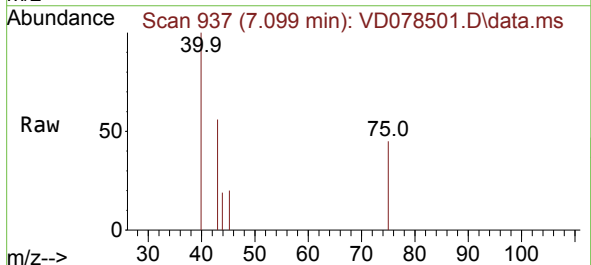
Instrument :
 MSVOA_D
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06

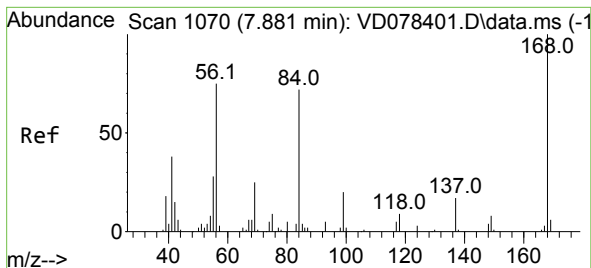
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.099 min Scan# 937
 Delta R.T. 0.012 min
 Lab File: VD078501.D
 Acq: 21 Feb 2024 16:13

Tgt Ion: 43 Resp: 1075
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078501.D

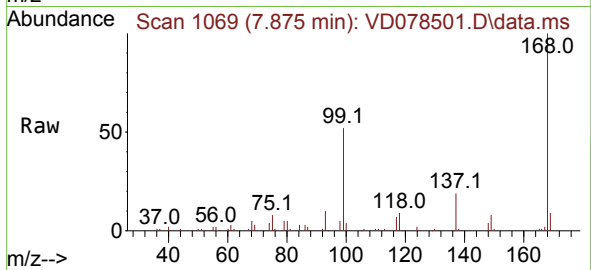
Acq: 21 Feb 2024 16:13

Instrument :

MSVOA_D

ClientSampleId :

20241101-COMPOSITE-35N-N-4-06



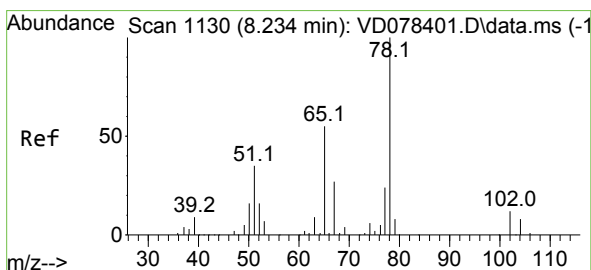
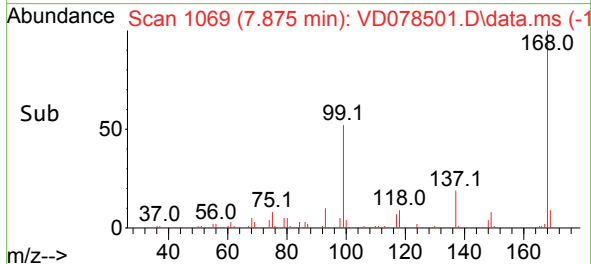
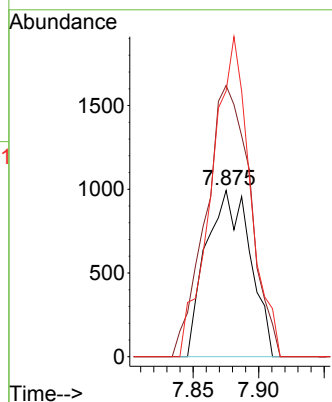
Tgt Ion: 56 Resp: 2318

Ion Ratio Lower Upper

56 100

69 163.1 28.6 43.0#

84 159.7 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 44.306 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078501.D

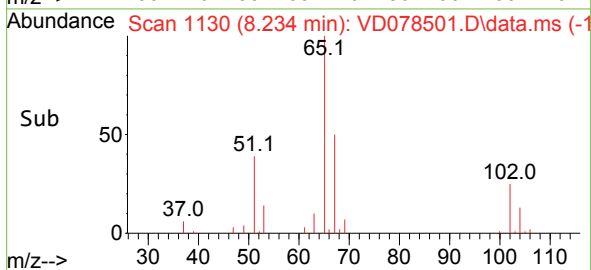
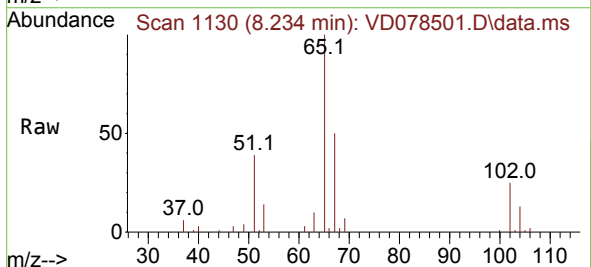
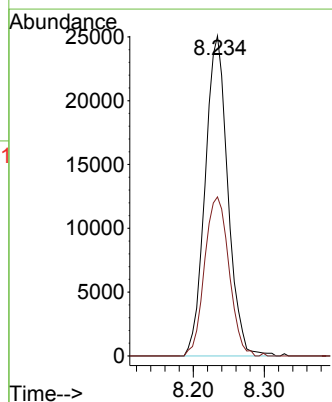
Acq: 21 Feb 2024 16:13

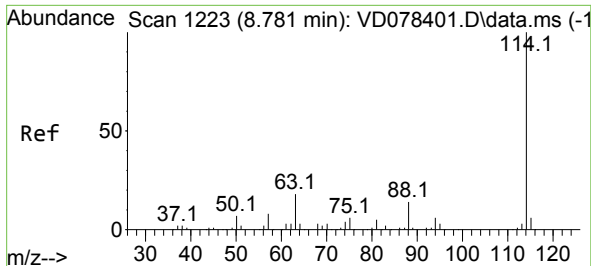
Tgt Ion: 65 Resp: 55652

Ion Ratio Lower Upper

65 100

67 53.4 0.0 115.0

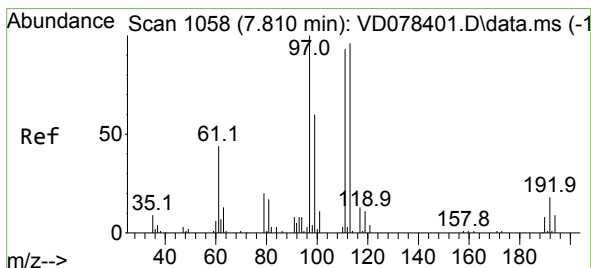
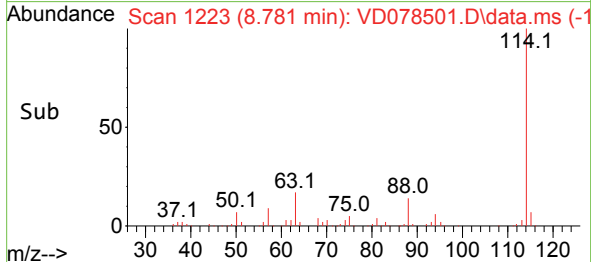
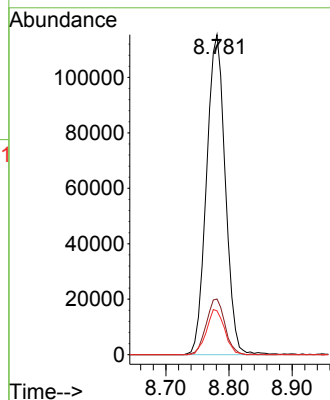
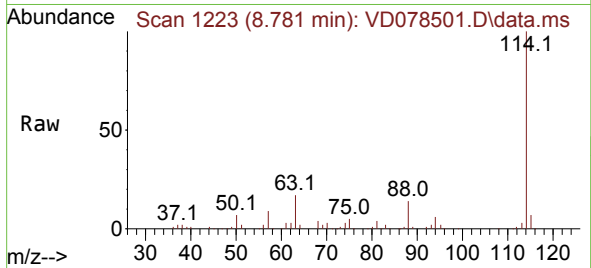




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

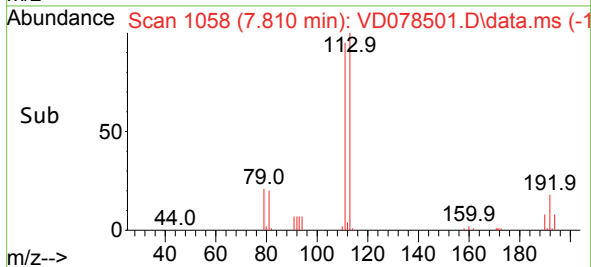
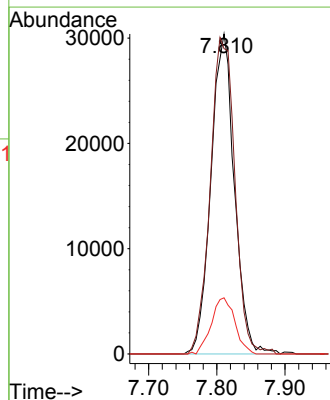
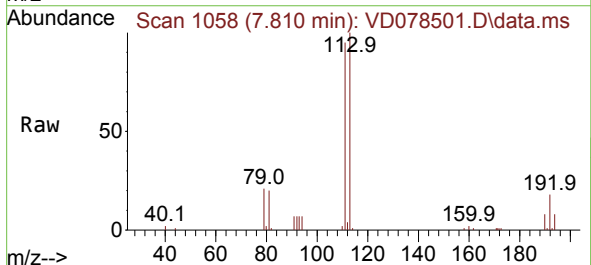
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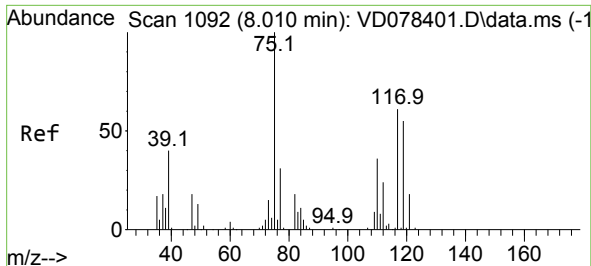
Tgt Ion:114 Resp: 238217
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.4
88 13.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 48.140 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion:113 Resp: 72845
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 17.6 16.8 25.2

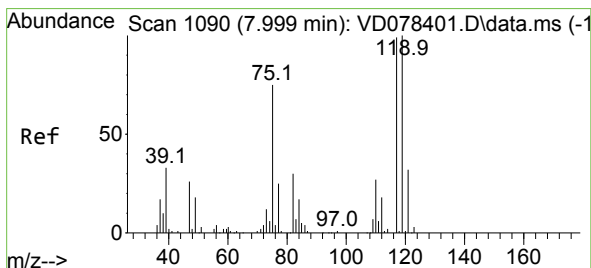
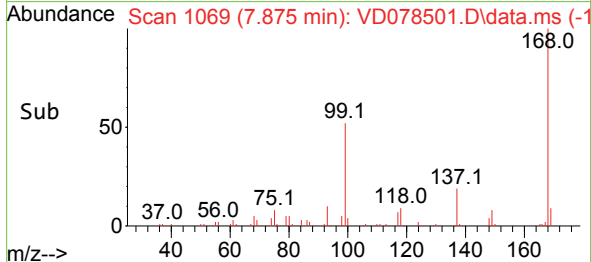
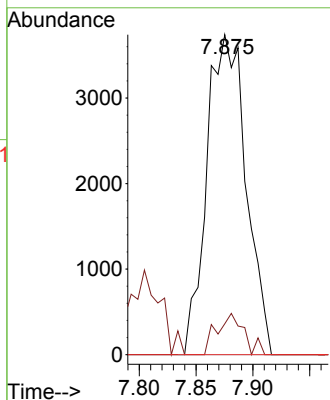
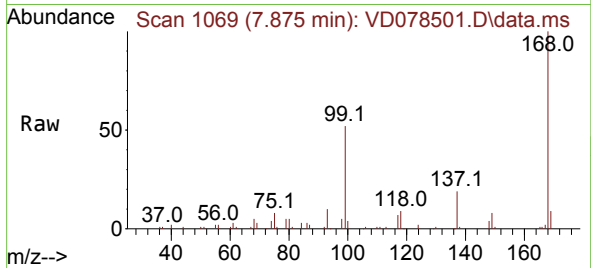




#36
1,1-Dichloropropene
Concen: 3.822 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

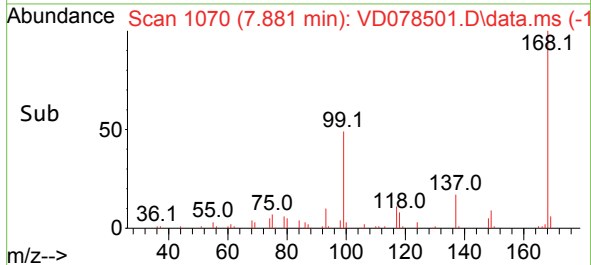
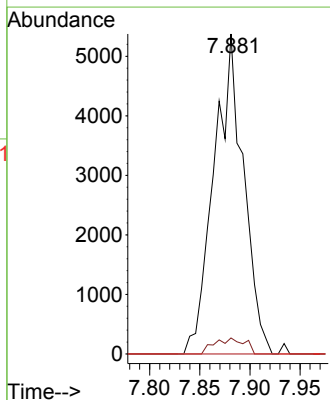
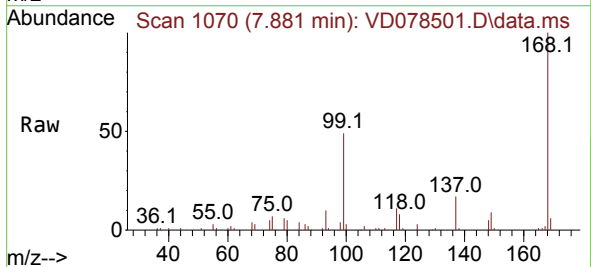
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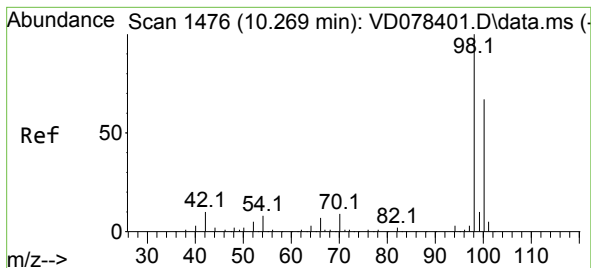
Tgt Ion: 75 Resp: 8985
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.726 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.118 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion: 117 Resp: 11002
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.381 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078501.D

Acq: 21 Feb 2024 16:13

Instrument :

MSVOA_D

ClientSampleId :

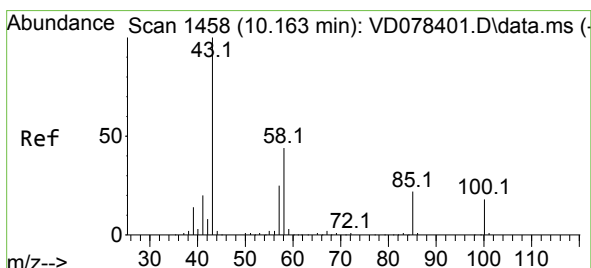
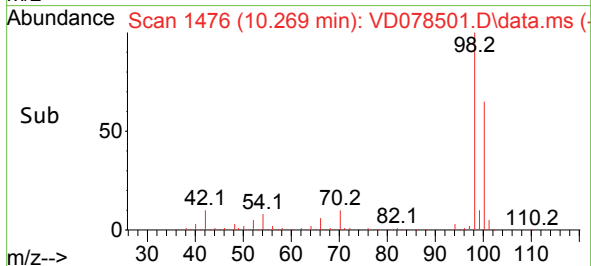
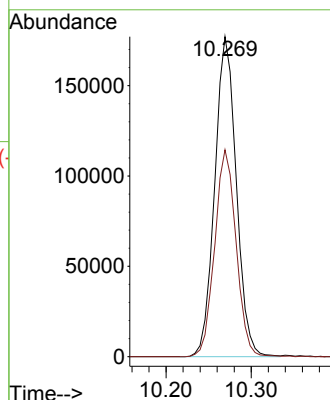
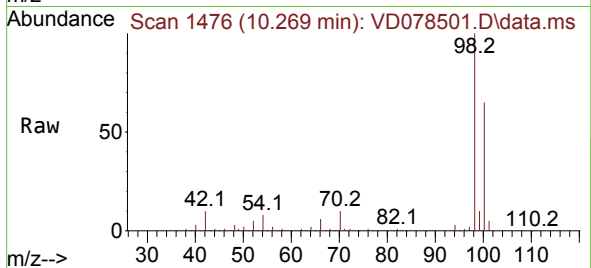
20241101-COMPOSITE-35N-N-4-06

Tgt Ion: 98 Resp: 311018

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.668 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.106 min

Lab File: VD078501.D

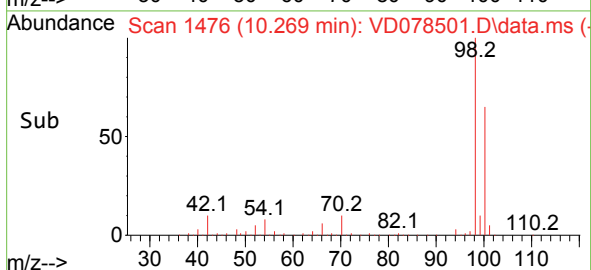
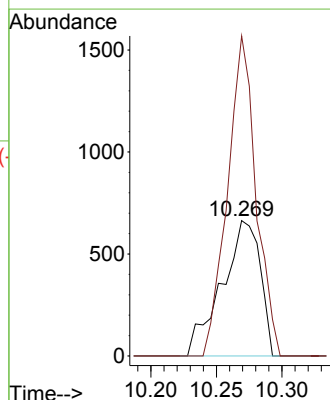
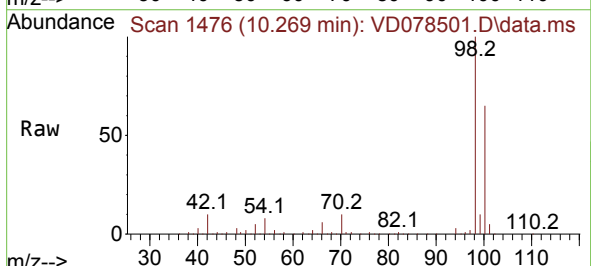
Acq: 21 Feb 2024 16:13

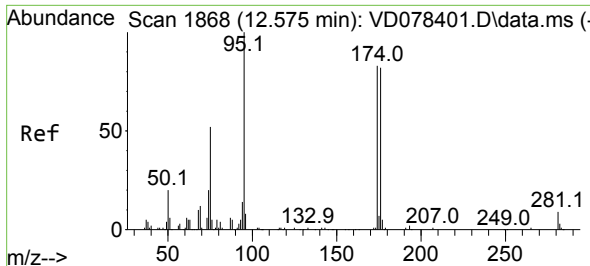
Tgt Ion: 43 Resp: 1351

Ion Ratio Lower Upper

43 100

58 175.9 38.9 58.3#

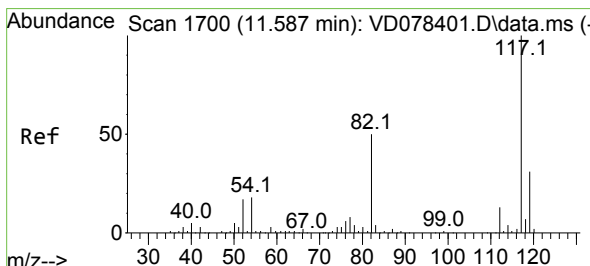
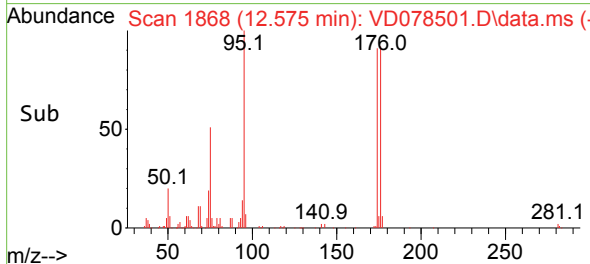
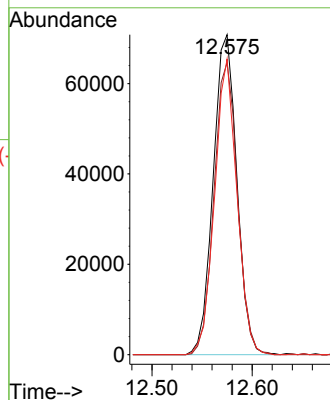
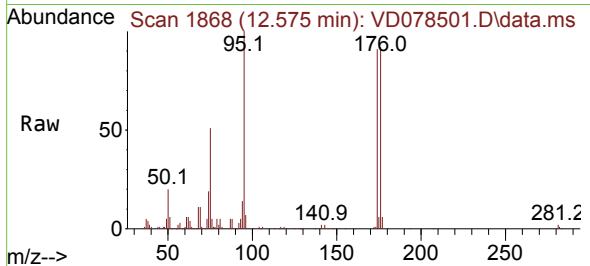




#62
4-Bromofluorobenzene
Concen: 65.926 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

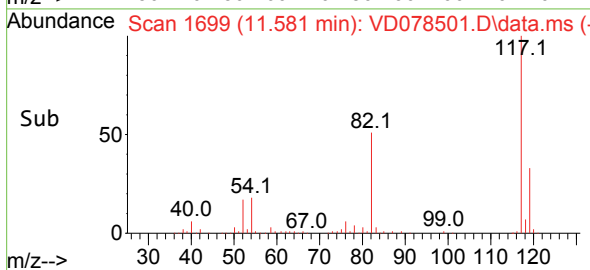
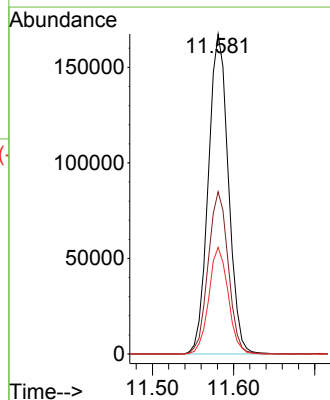
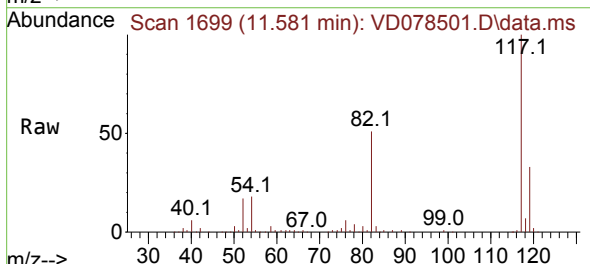
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

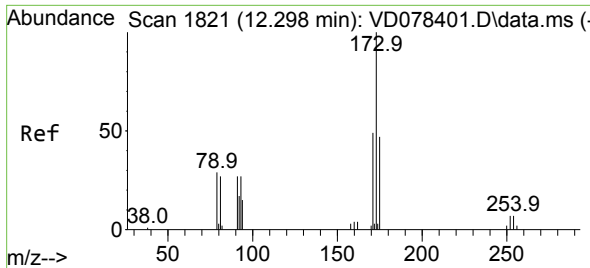
Tgt Ion: 95 Resp: 116130
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 87.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion: 117 Resp: 287648
Ion Ratio Lower Upper
117 100
82 50.7 38.3 57.5
119 33.3 25.0 37.4

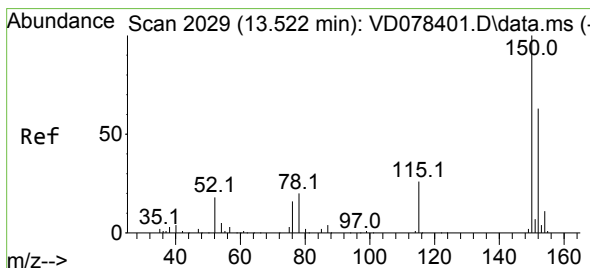
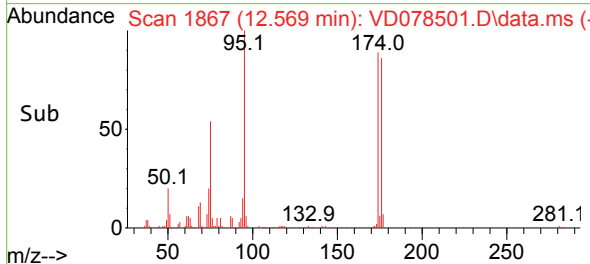
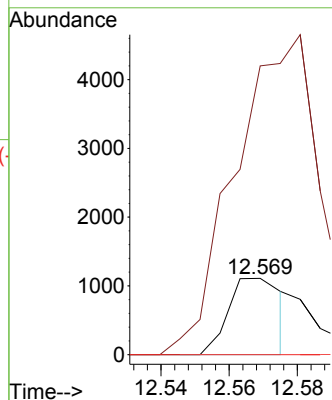
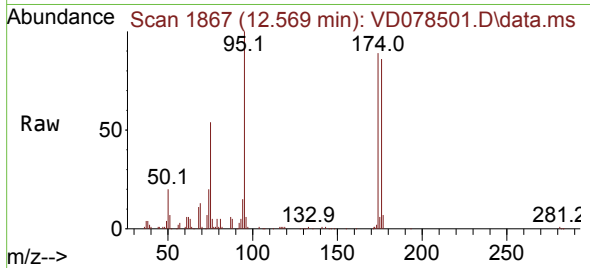




#71
Bromoform
Concen: 1.088 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

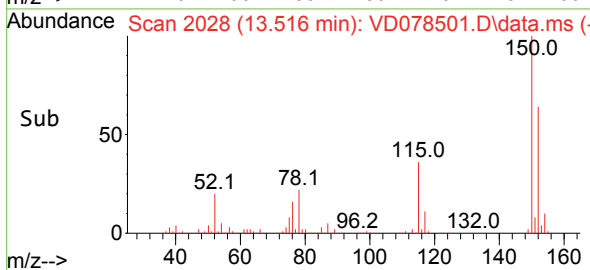
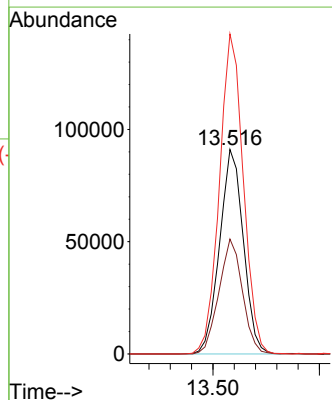
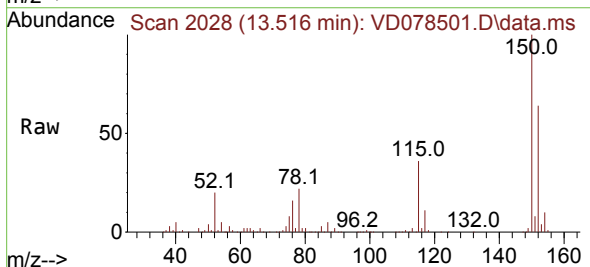
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

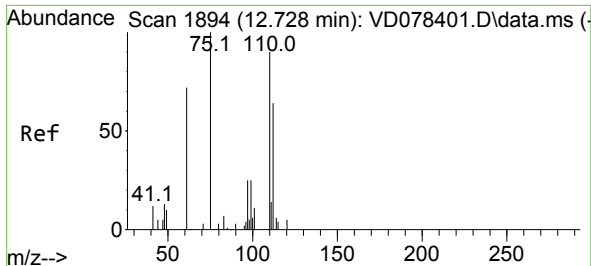
Tgt Ion:173 Resp: 1217
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion:152 Resp: 141011
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 157.2 0.0 353.6

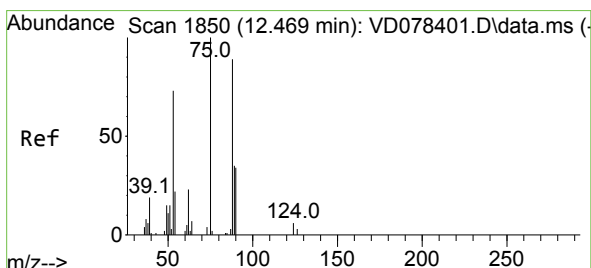
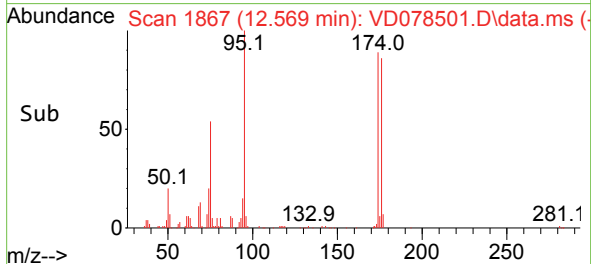
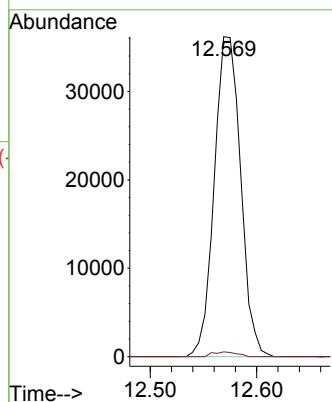
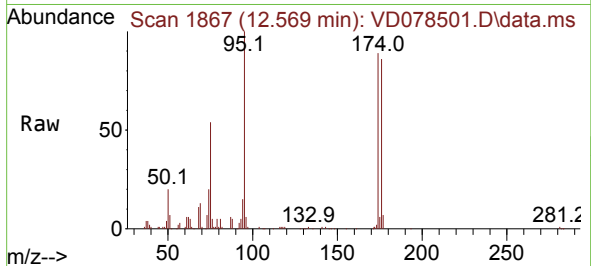




#76
1,2,3-Trichloropropane
Concen: 51.816 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Instrument : MSVOA_D
ClientSampleId : 20241101-COMPOSITE-35N-N-4-06

Tgt Ion: 75 Resp: 62031
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.571 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078501.D
Acq: 21 Feb 2024 16:13

Tgt Ion: 75 Resp: 62031
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

