

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078519.D
 Acq On : 22 Feb 2024 16:02
 Operator : RP/MD
 Sample : P1538-06RE
 Misc : 5.09G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 23 01:05:12 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)

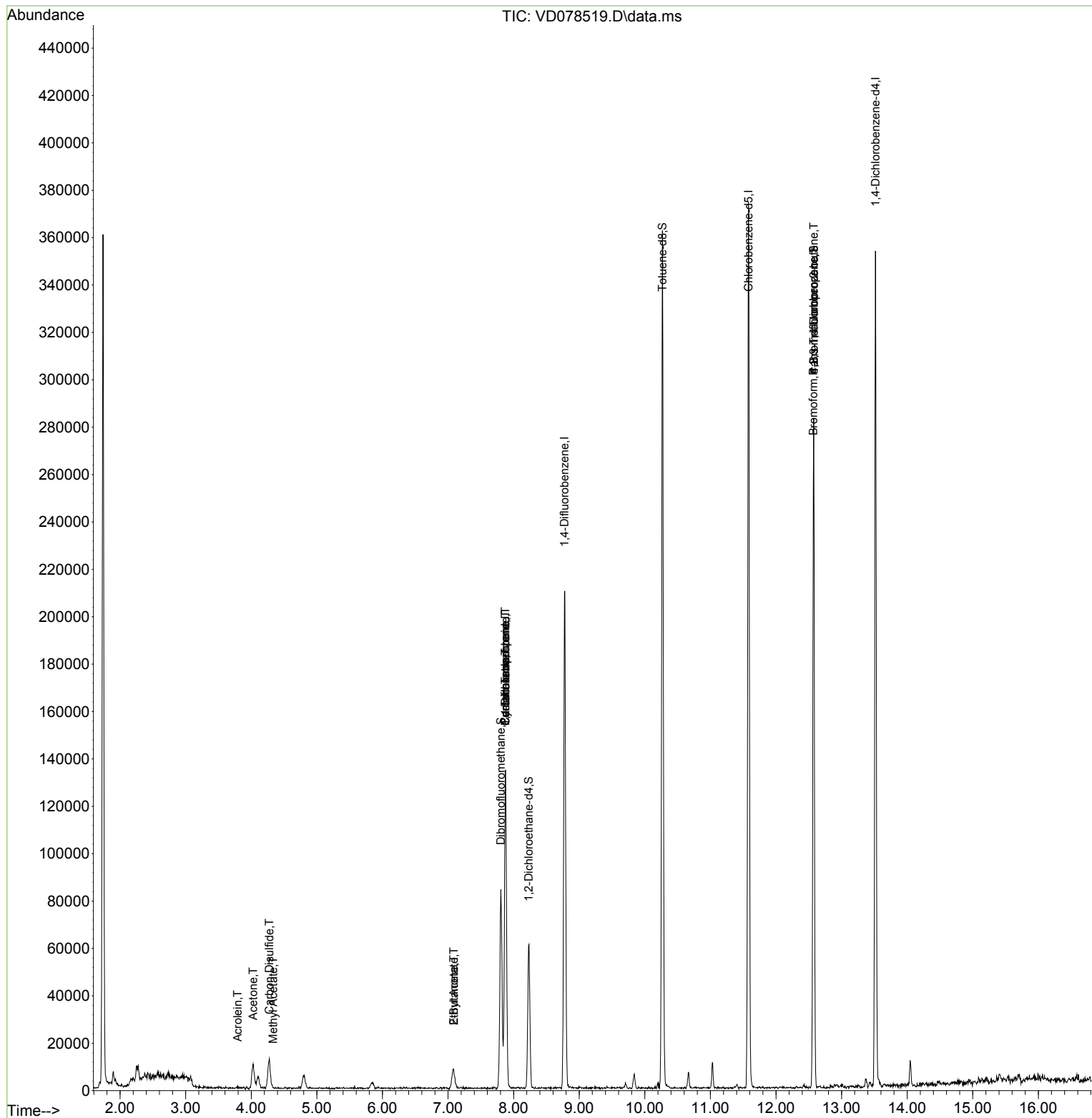
Internal Standards						
1) Pentafluorobenzene	7.875	168	100723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	192978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45704	41.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.940%
35) Dibromofluoromethane	7.805	113	60964	49.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.460%
50) Toluene-d8	10.269	98	245943	50.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.575	95	84627	59.305	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.600%
Target Compounds						
					Qvalue	
13) Acrolein	3.793	56	250	2.485	ug/l	90
16) Acetone	4.028	43	17179	62.808	ug/l #	76
17) Carbon Disulfide	4.275	76	24707	6.687	ug/l	98
18) Methyl Acetate	4.334	43	65	4.017	ug/l #	42
25) 2-Butanone	7.087	43	5870	5.948	ug/l #	84
31) Cyclohexane	7.875	56	2376	1.290	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	8789	4.615	ug/l #	45
37) Ethyl Acetate	7.087	43	5870	8.793	ug/l #	64
38) Carbon Tetrachloride	7.875	117	10133	5.373	ug/l #	14
71) Bromoform	12.569	173	1032	1.167	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	43308	55.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	43308	115.767	ug/l #	17

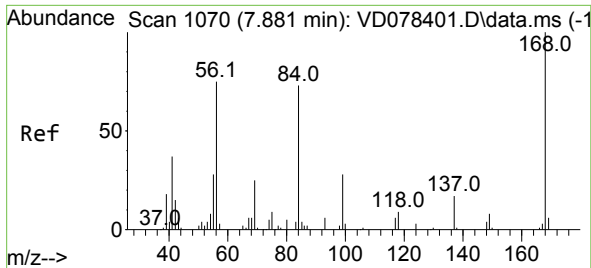
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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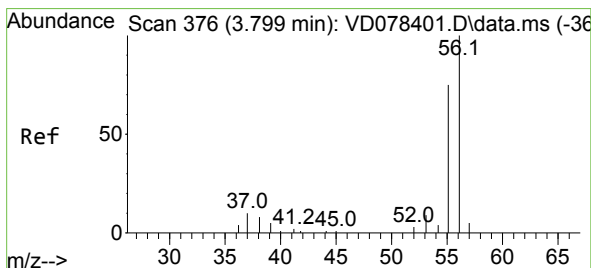
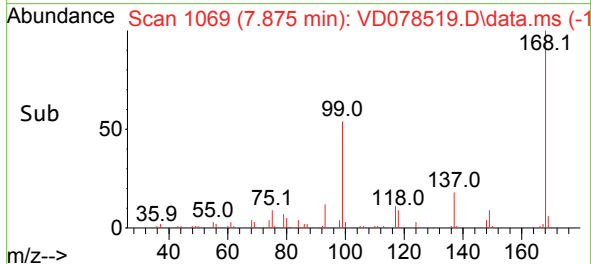
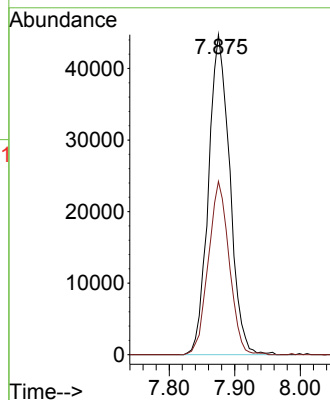
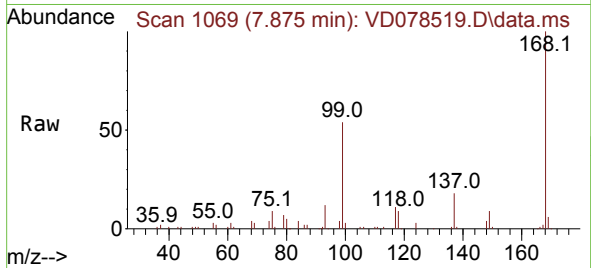




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

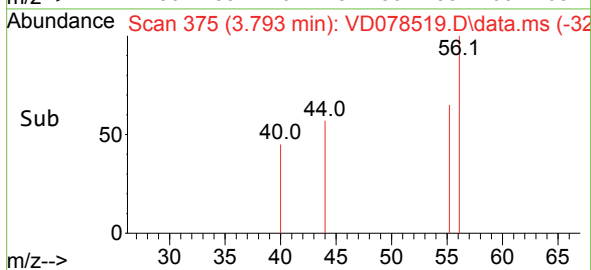
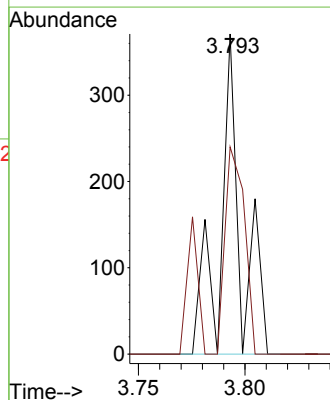
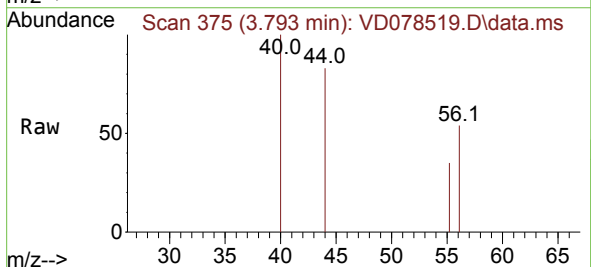
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

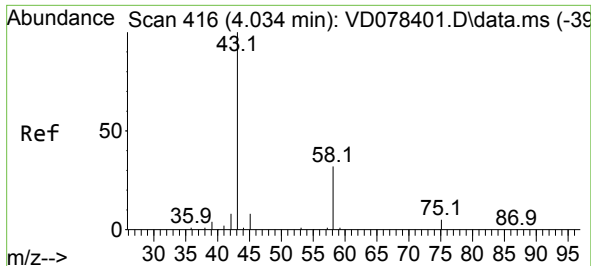
Tgt Ion:168 Resp: 100723
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#13
Acrolein
Concen: 2.485 ug/l
RT: 3.793 min Scan# 375
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 56 Resp: 250
Ion Ratio Lower Upper
56 100
55 60.8 55.1 82.7





#16

Acetone

Concen: 62.808 ug/l

RT: 4.028 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

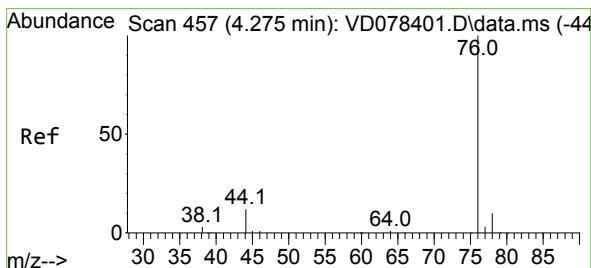
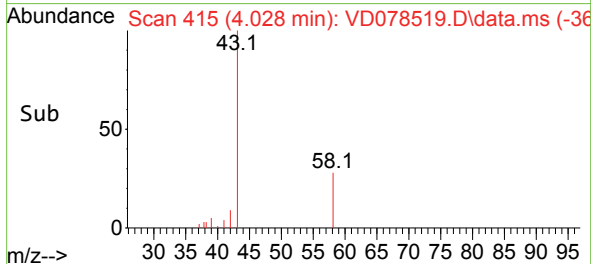
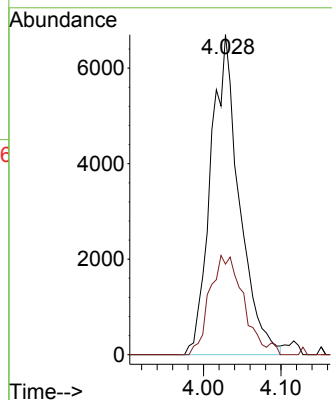
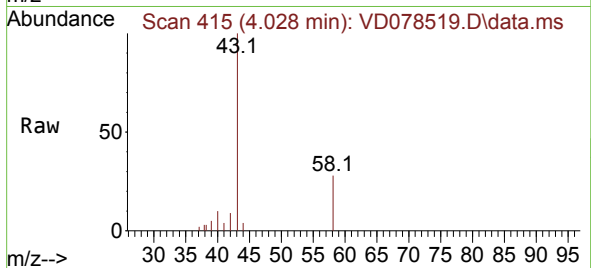
20241101-COMPOSITE-35N-N-4-06

Tgt Ion: 43 Resp: 17179

Ion Ratio Lower Upper

43 100

58 28.3 34.7 52.1#



#17

Carbon Disulfide

Concen: 6.687 ug/l

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD078519.D

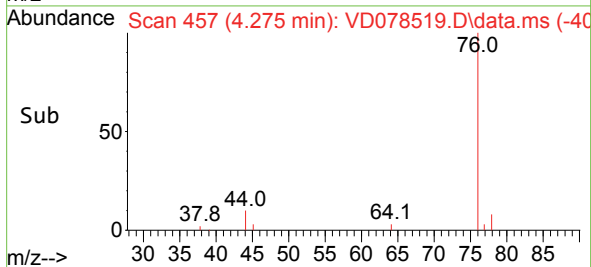
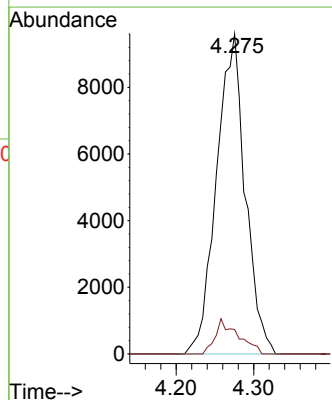
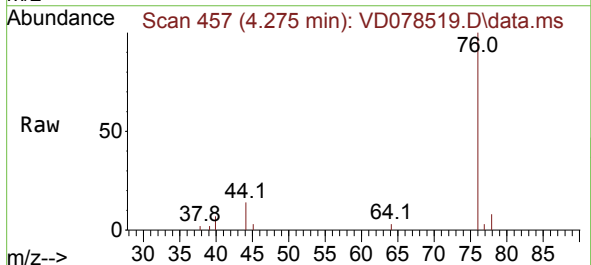
Acq: 22 Feb 2024 16:02

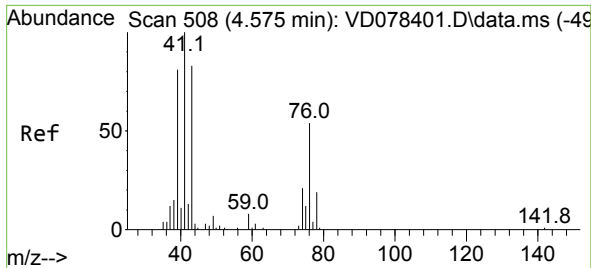
Tgt Ion: 76 Resp: 24707

Ion Ratio Lower Upper

76 100

78 7.7 6.8 10.2

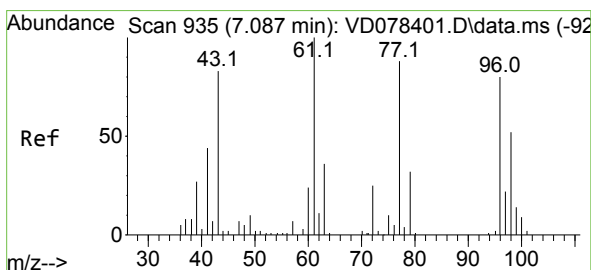
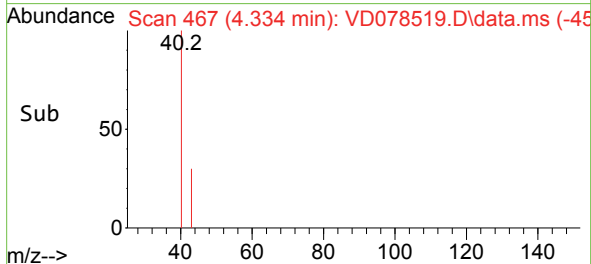
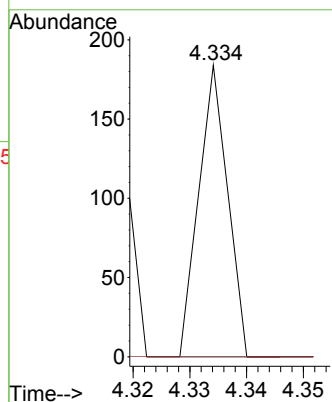
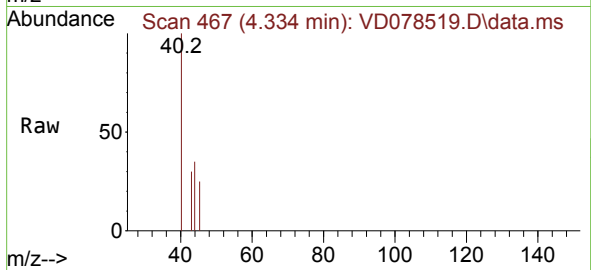




#18
Methyl Acetate
Concen: 4.017 ug/l
RT: 4.334 min Scan# 407
Delta R.T. -0.241 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

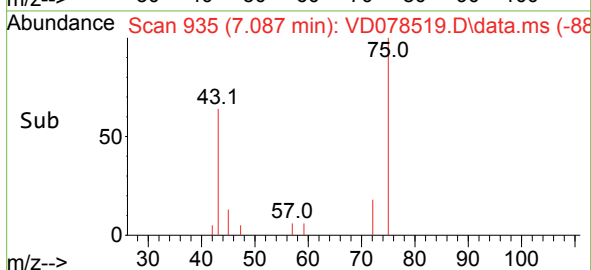
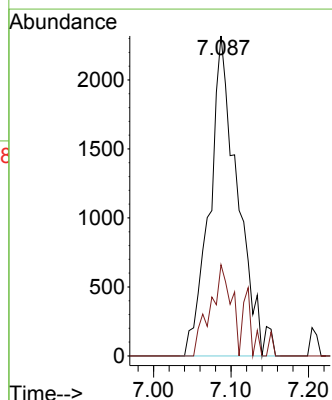
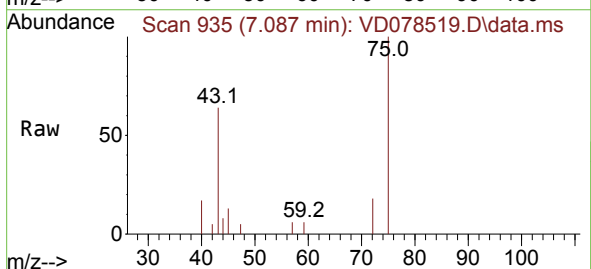
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

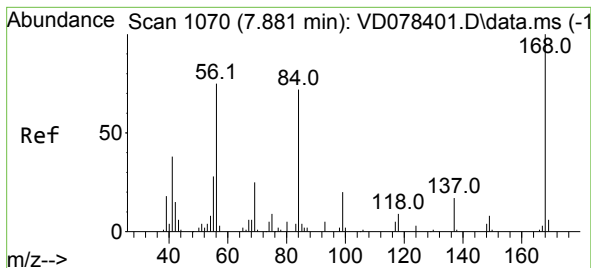
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#25
2-Butanone
Concen: 5.948 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 43 Resp: 5870
Ion Ratio Lower Upper
43 100
72 28.5 30.7 46.1#





#31

Cyclohexane

Concen: 1.290 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD078519.D

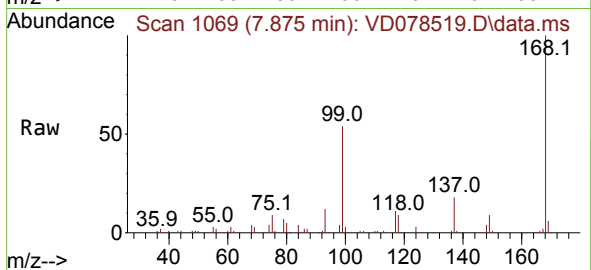
Acq: 22 Feb 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

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



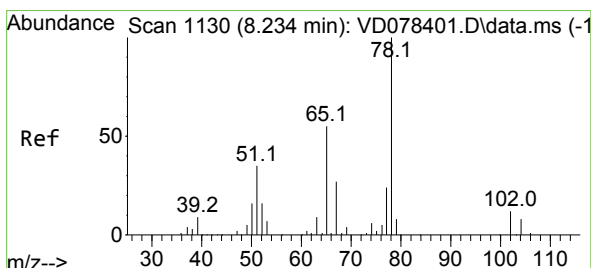
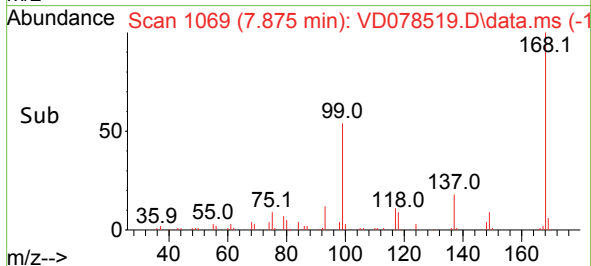
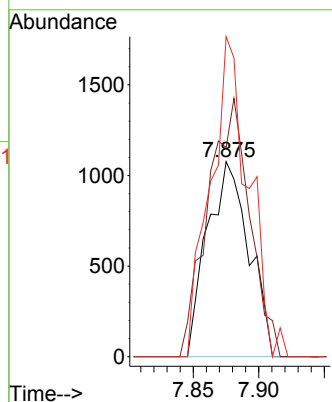
Tgt Ion: 56 Resp: 2376

Ion Ratio Lower Upper

56 100

69 107.2 28.6 43.0#

84 164.1 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 41.966 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078519.D

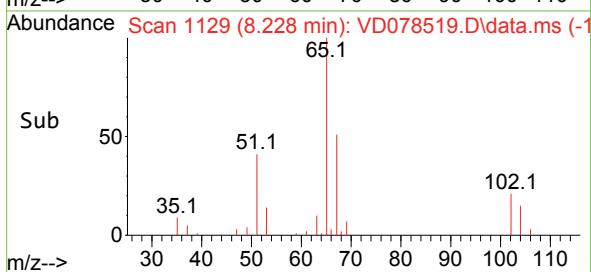
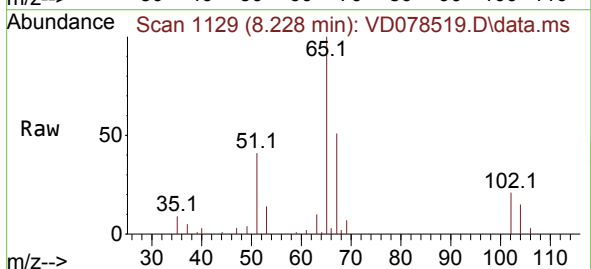
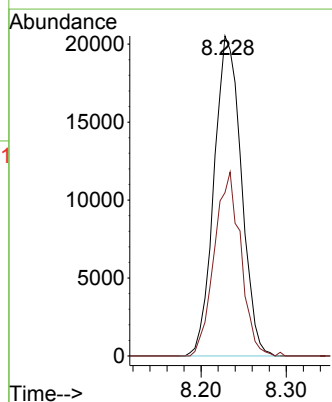
Acq: 22 Feb 2024 16:02

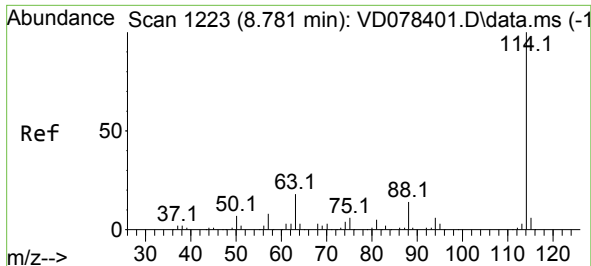
Tgt Ion: 65 Resp: 45704

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0

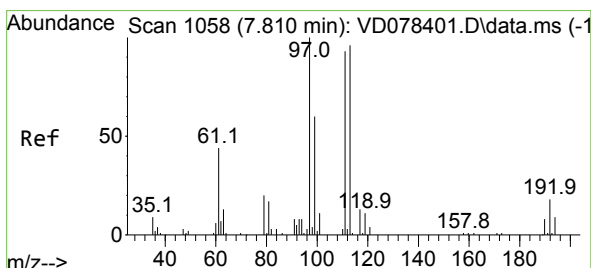
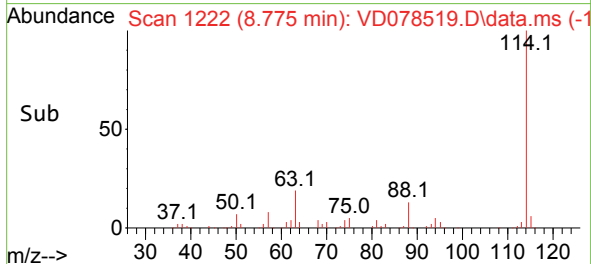
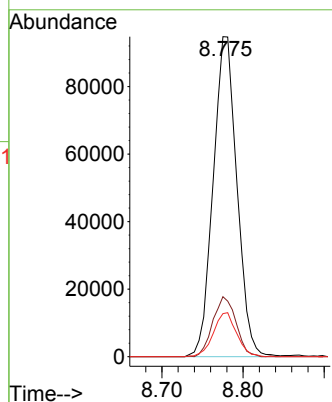
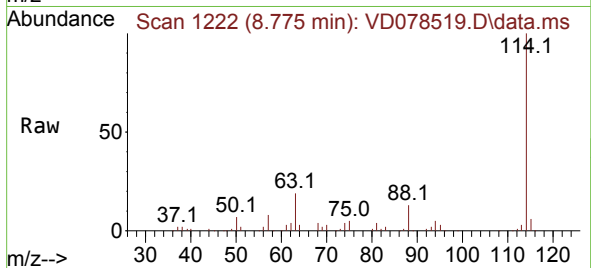




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

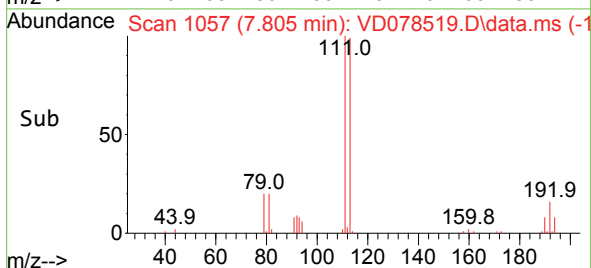
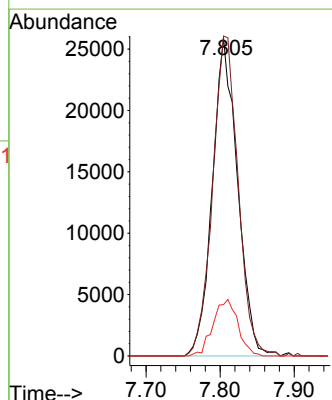
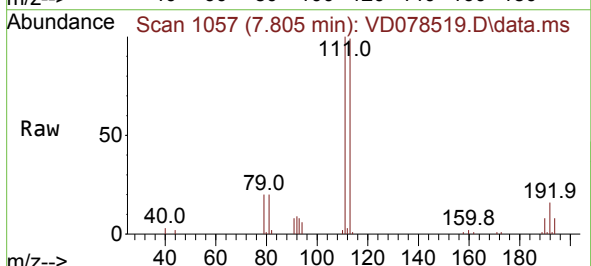
Instrument :
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ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

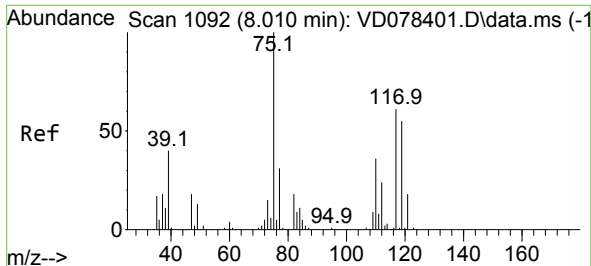
Tgt Ion:114 Resp: 192978
Ion Ratio Lower Upper
114 100
63 18.8 0.0 33.4
88 13.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

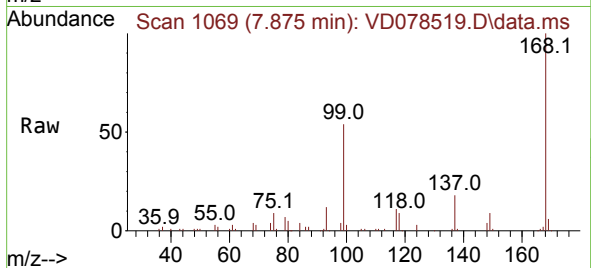
Tgt Ion:113 Resp: 60964
Ion Ratio Lower Upper
113 100
111 102.2 84.7 127.1
192 17.7 16.8 25.2



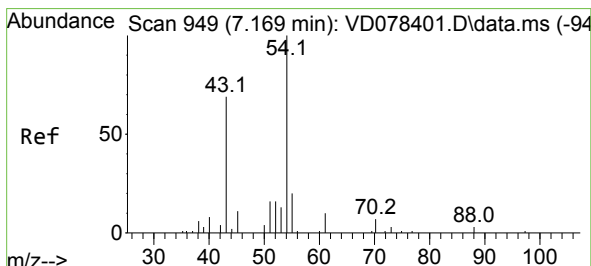
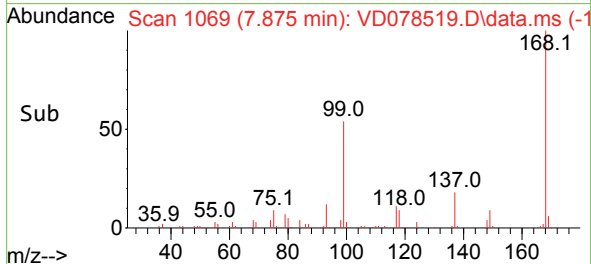
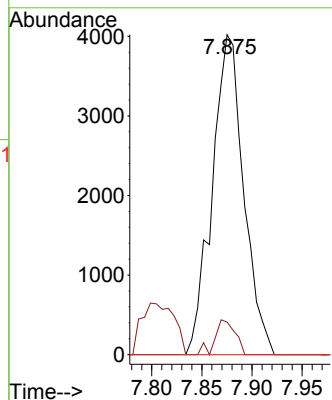


#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.135 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

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

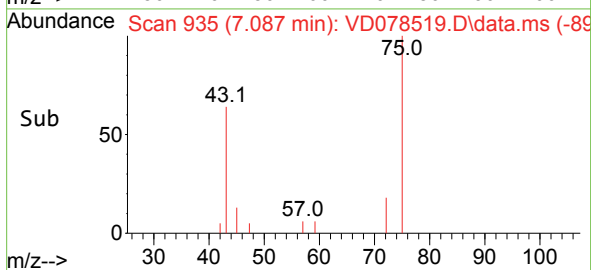
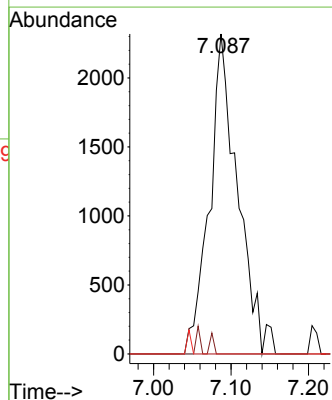
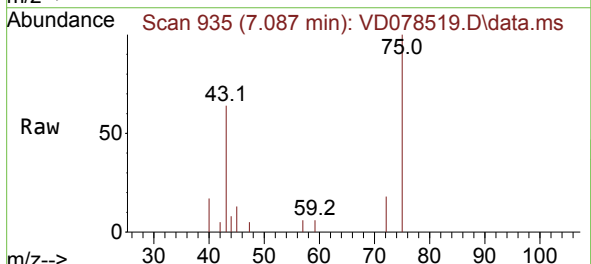


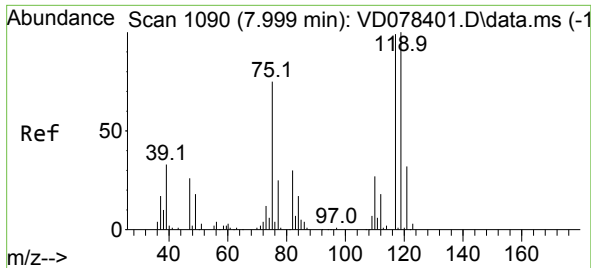
Tgt Ion: 75 Resp: 8789
Ion Ratio Lower Upper
75 100
110 7.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 8.793 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

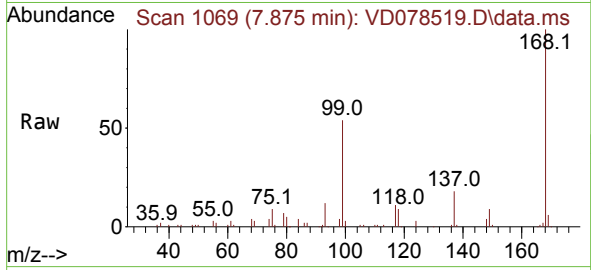
Tgt Ion: 43 Resp: 5870
Ion Ratio Lower Upper
43 100
61 0.9 14.9 22.3#
70 0.0 10.0 15.0#



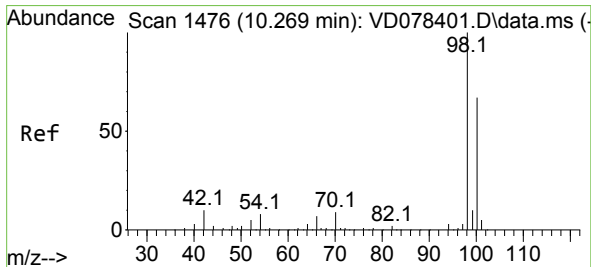
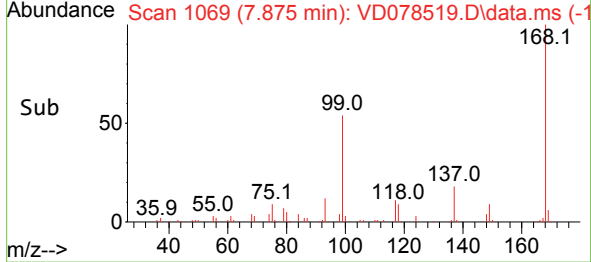
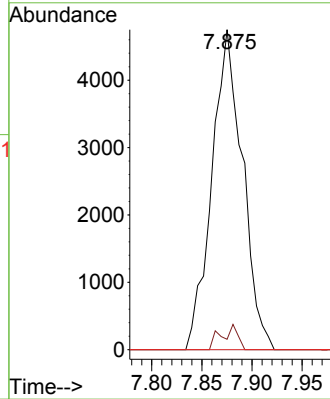


#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

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

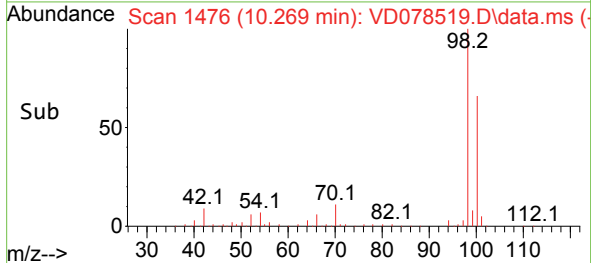
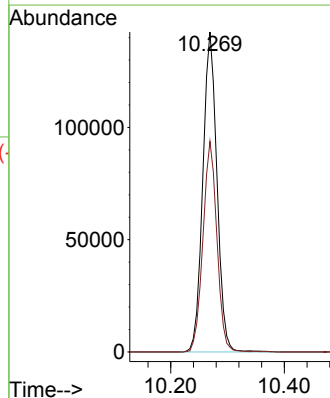
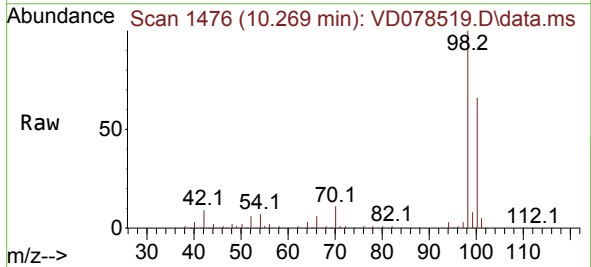


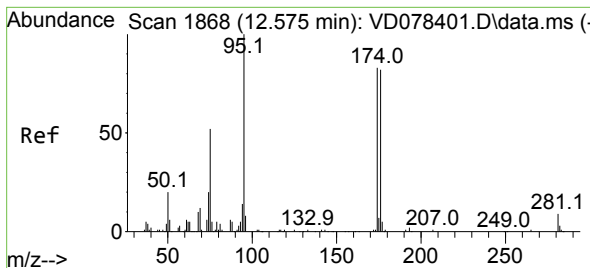
Tgt Ion:117 Resp: 10133
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 98 Resp: 245943
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5

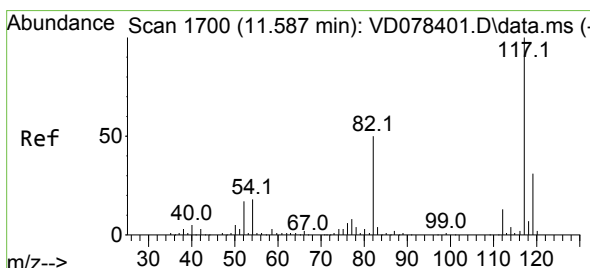
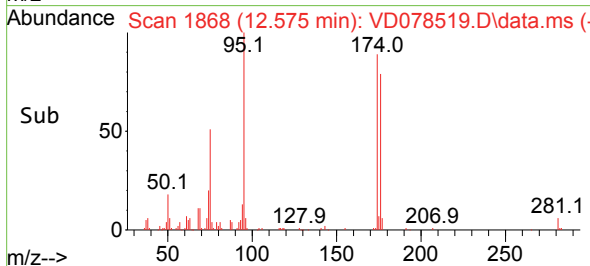
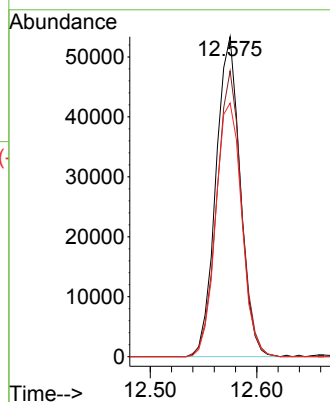
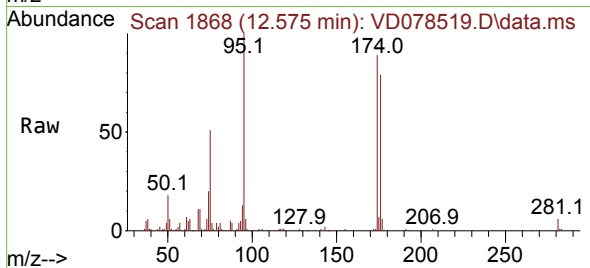




#62
4-Bromofluorobenzene
Concen: 59.305 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

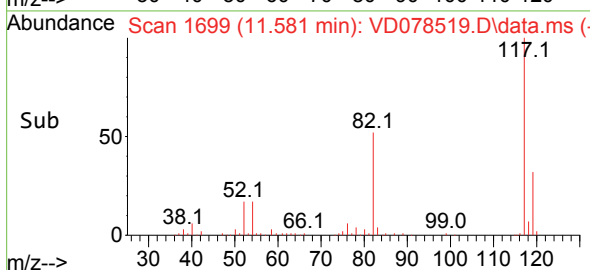
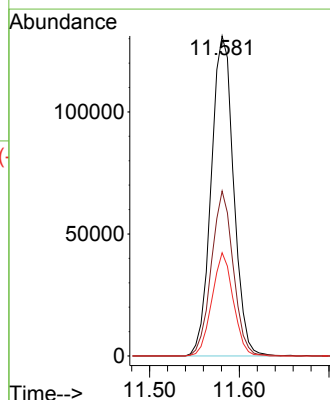
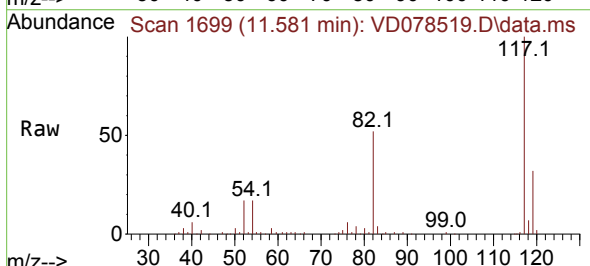
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

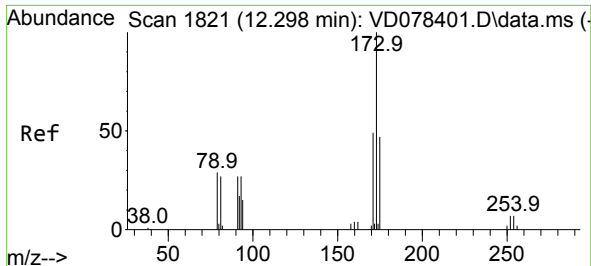
Tgt Ion:	95	Resp:	84627
Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	201.8
176	84.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion:	117	Resp:	227399
Ion	Ratio	Lower	Upper
117	100		
82	51.6	38.3	57.5
119	32.3	25.0	37.4

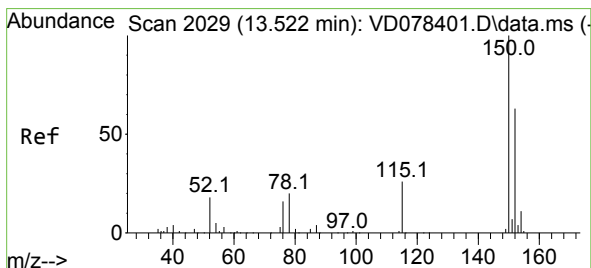
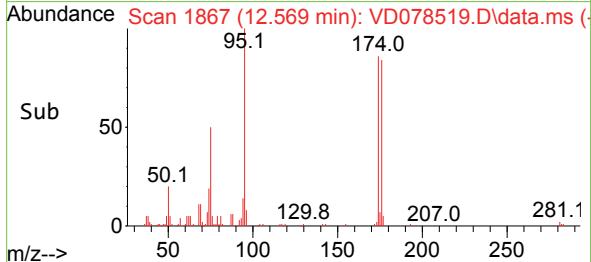
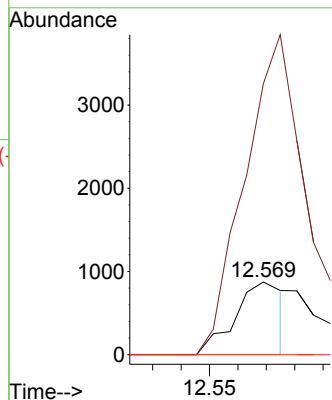
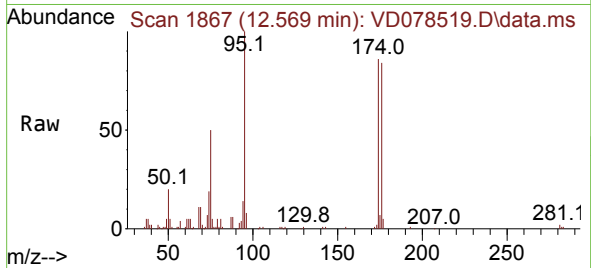




#71
Bromoform
Concen: 1.167 ug/l
RT: 12.569 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

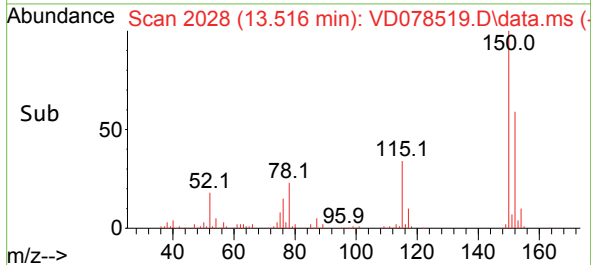
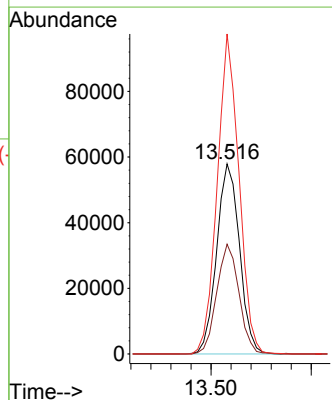
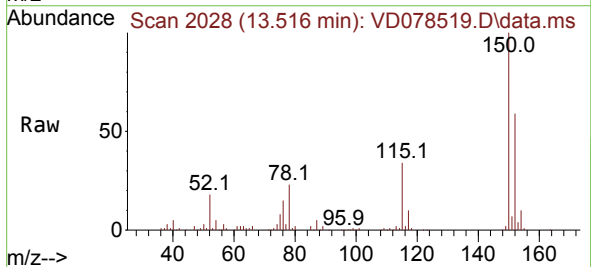
Instrument :
MSVOA_D
ClientSampleId :
20241101-COMPOSITE-35N-N-4-06

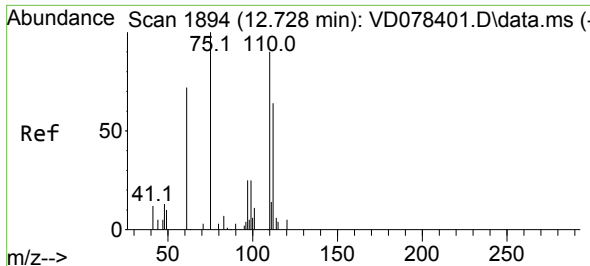
Tgt Ion:173 Resp: 1032
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion:152 Resp: 91479
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 160.0 0.0 353.6

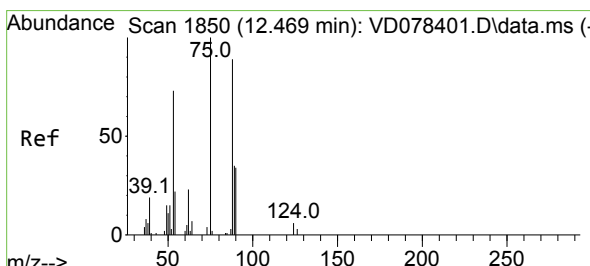
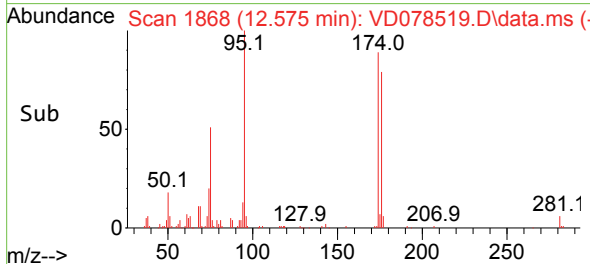
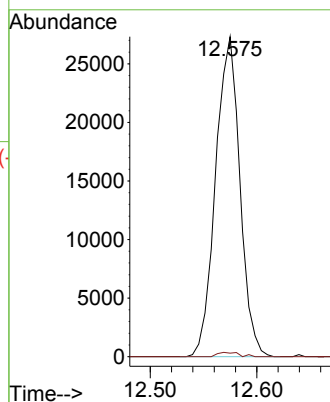
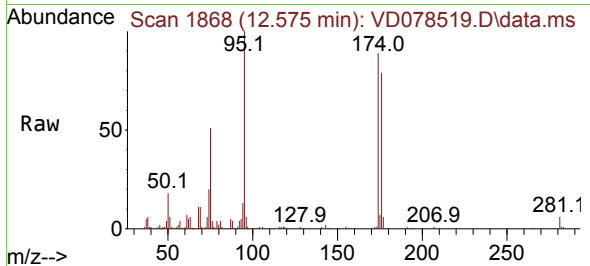




#76
1,2,3-Trichloropropane
Concen: 55.764 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

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

Tgt Ion: 75 Resp: 43308
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.767 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 75 Resp: 43308
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

