

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076444.D
 Acq On : 27 Jan 2023 17:10
 Operator : JC\MD
 Sample : 01329-05
 Misc : 11.26g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTAL-VOC-6-BORING-2-7-14-GRAB-7

Quant Time: Jan 27 22:42:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	399694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	640312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	539813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	235015	52.514	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.171	113	191691	47.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	10.565	98	734693	49.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.853	95	220695	45.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.400%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.500	59	2554	4.267	ug/l #	72
16) Acetone	4.430	43	101	Below Cal	#	41
18) Methyl Acetate	5.047	43	2260	0.465	ug/l #	77
20) Methylene Chloride	5.283	84	2288	Below Cal	#	72
31) Cyclohexane	8.230	56	8564	1.246	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	30532	5.364	ug/l #	49
38) Carbon Tetrachloride	8.224	117	41191	6.490	ug/l #	17
49) 1,4-Dioxane	9.706	88	1004	13.533	ug/l #	58
51) 4-Methyl-2-Pentanone	10.571	43	3029	0.695	ug/l #	1
71) Bromoform	12.853	173	1505	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	118164	30.089	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118164	92.345	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	346	1.395	ug/l #	37
95) Naphthalene	15.635	128	2180	2.029	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.847	180	509	1.294	ug/l	89

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

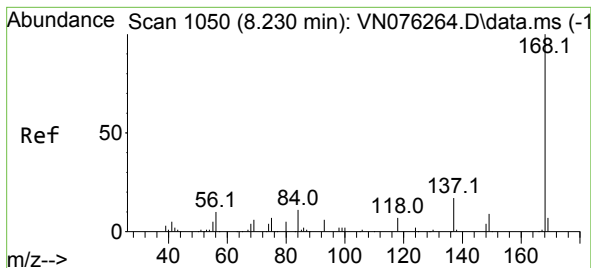
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-6-BORING-2-7-14-GRAB-7

Abundance

TIC: VN076444.D\data.ms

Time-->

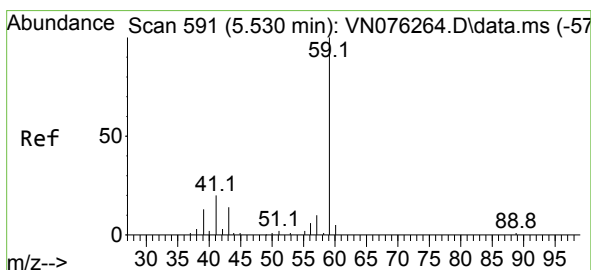
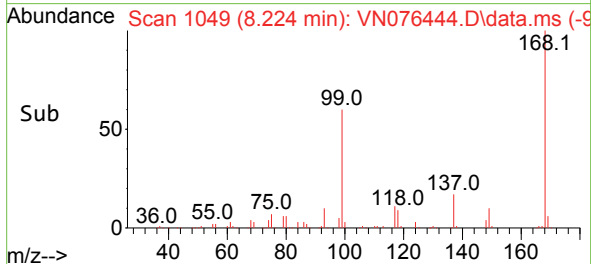
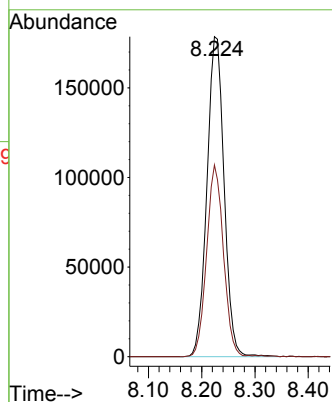
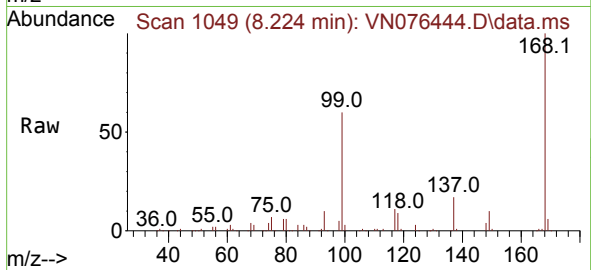
Retention Time (min)	Compound
3.00	Methyl Acetate, T
5.50	Tert butyl alcohol, T
8.20	Dibromofluoromethane, S
8.40	Cyclohexanone, T
8.60	1,2-Dichloroethane-d4, S
9.10	1,4-Difluorobenzene, I
10.10	1,4-Dioxane, T
10.60	4-Methyl-2-pentanone, T
11.90	Chlorobenzene-d5, I
12.80	2,3-Dichlorobenzonitrile, T
12.90	2,4-Dichlorobenzonitrile, T
13.80	1,4-Dichlorobenzene-d4, I
15.50	1,2,4-Trichlorobenzene, T
15.70	Naphthalene, T
15.90	1,2,3-Trichlorobenzene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

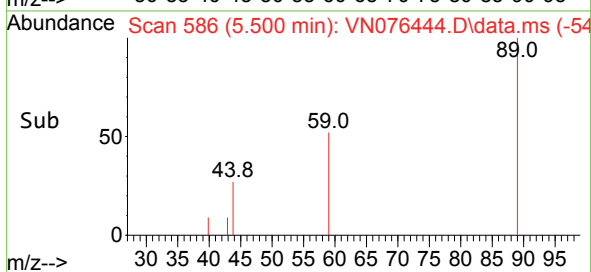
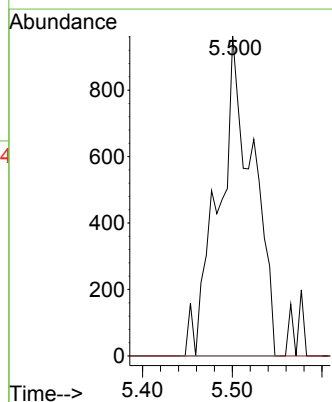
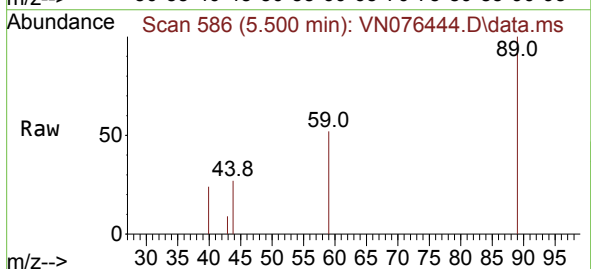
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-6-BORING-2-7-14-GRAB-7

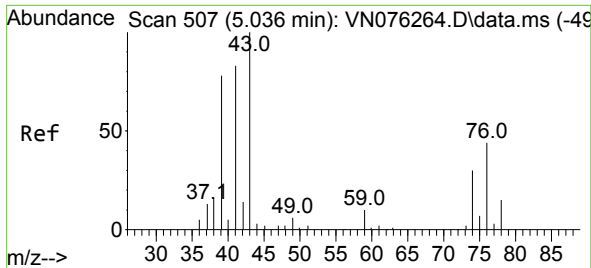
Tgt Ion:168 Resp: 399694
Ion Ratio Lower Upper
168 100
99 59.9 41.6 62.4



#11
Tert butyl alcohol
Concen: 4.267 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.030 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion: 59 Resp: 2554
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

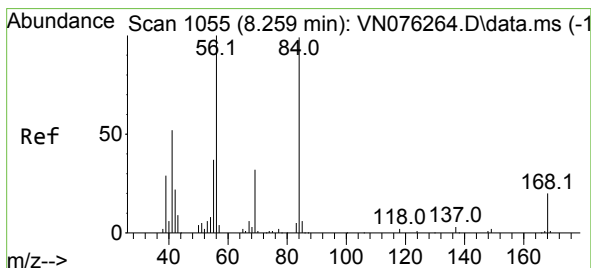
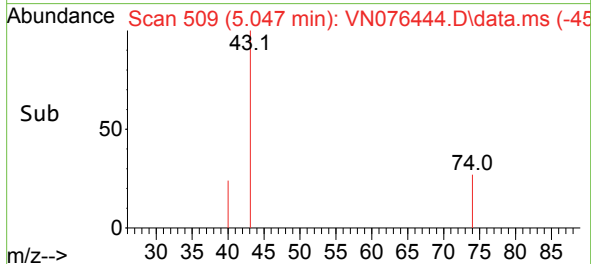
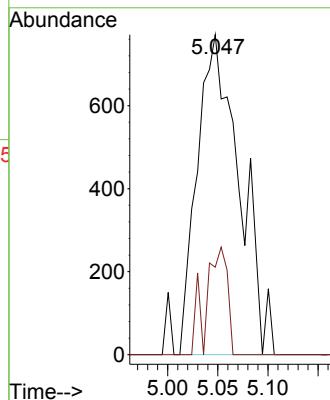
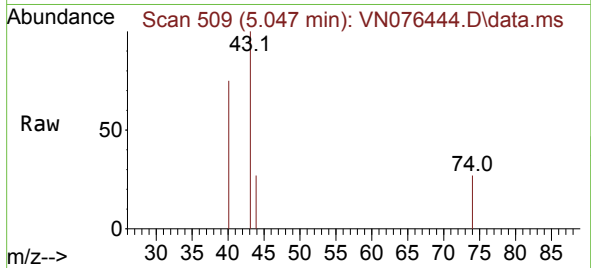




#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 5.047 min Scan# 507
Delta R.T. 0.011 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

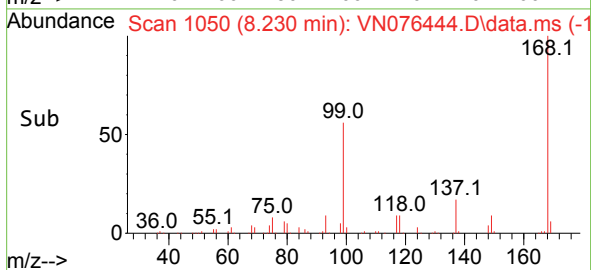
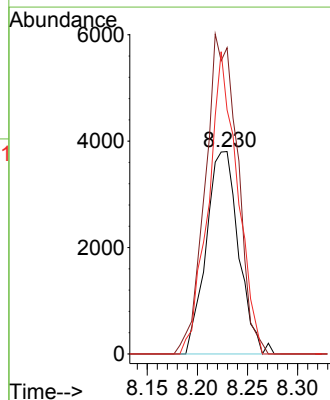
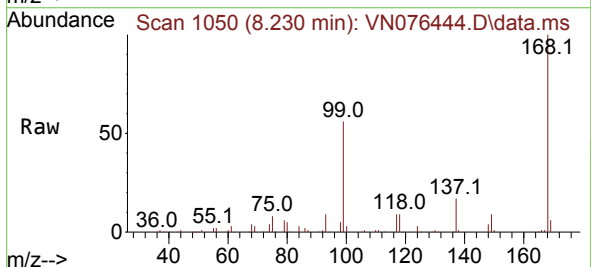
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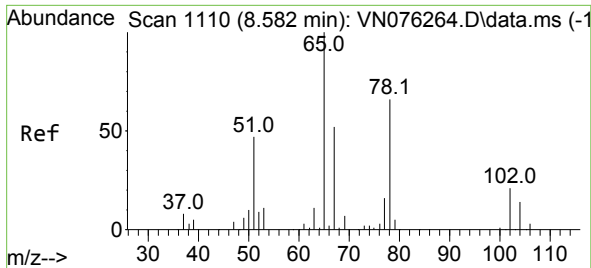
Tgt Ion: 43 Resp: 2260
Ion Ratio Lower Upper
43 100
74 17.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion: 56 Resp: 8564
Ion Ratio Lower Upper
56 100
69 151.3 25.8 38.8#
84 120.6 79.0 118.4#

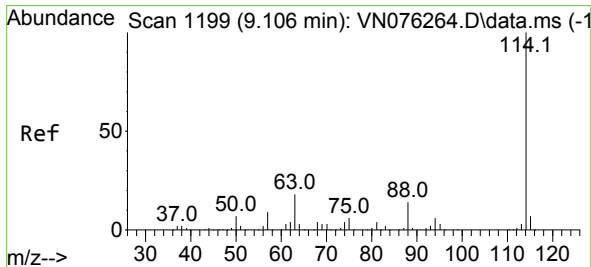
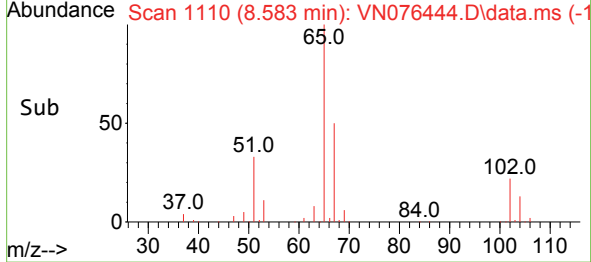
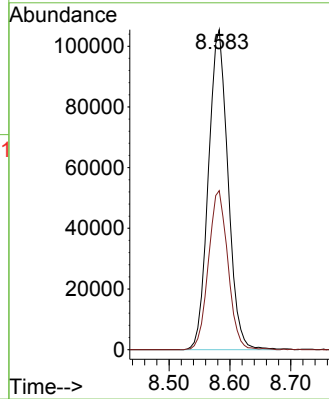
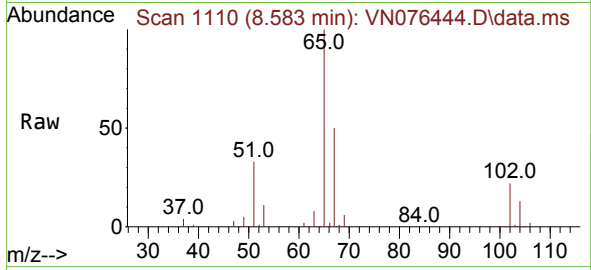




#33
1,2-Dichloroethane-d4
Concen: 52.514 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

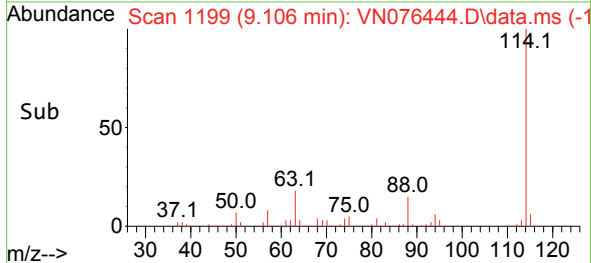
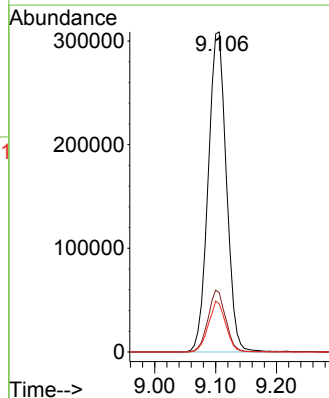
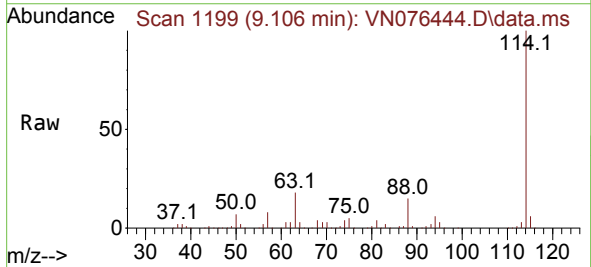
Instrument :
MSVOA_N
ClientSampleId :
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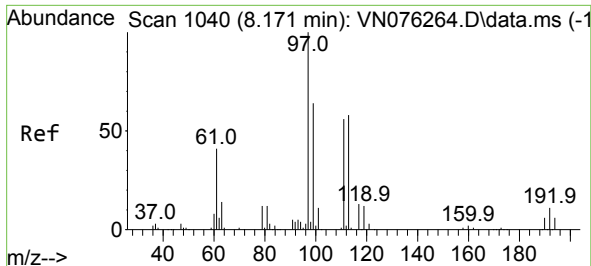
Tgt Ion: 65 Resp: 235015
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion: 114 Resp: 640312
Ion Ratio Lower Upper
114 100
63 18.5 0.0 35.8
88 15.1 0.0 28.0

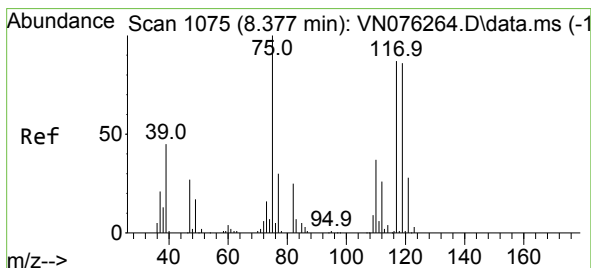
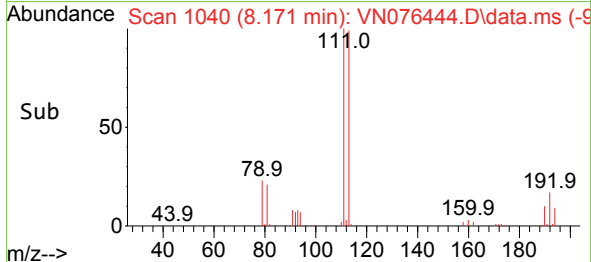
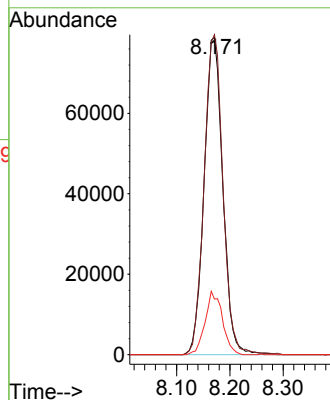
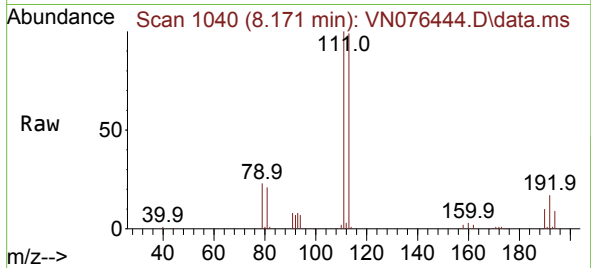




#35
Dibromofluoromethane
Concen: 47.858 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

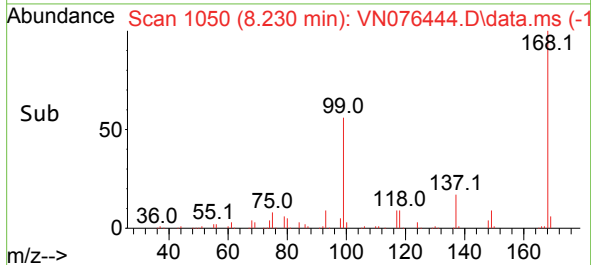
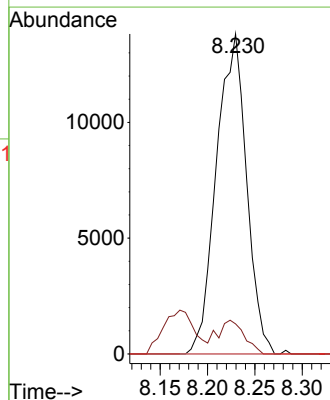
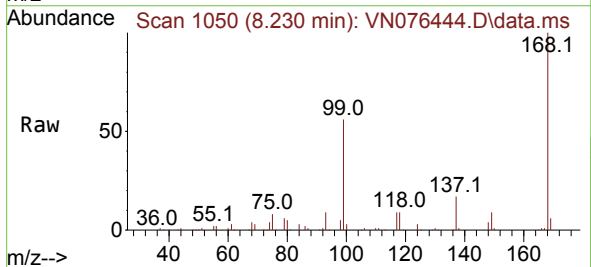
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-6-BORING-2-7-14-GRAB-7

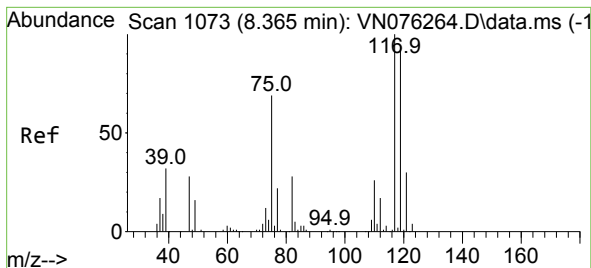
Tgt Ion:113 Resp: 191691
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 18.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion: 75 Resp: 30532
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.490 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN076444.D

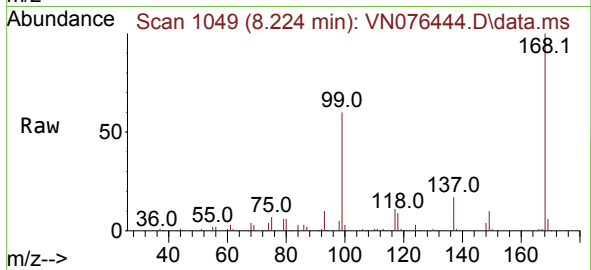
Acq: 27 Jan 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-6-BORING-2-7-14-GRAB-7



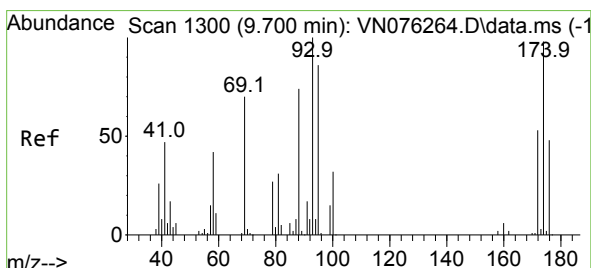
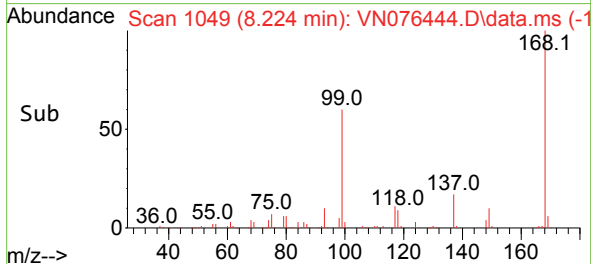
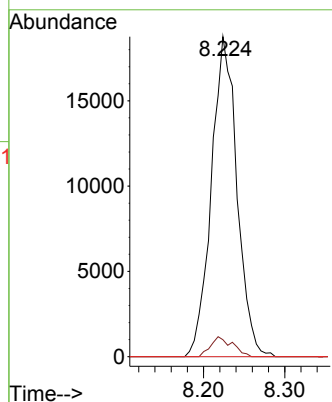
Tgt Ion:117 Resp: 41191

Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 13.533 ug/l

RT: 9.706 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN076444.D

Acq: 27 Jan 2023 17:10

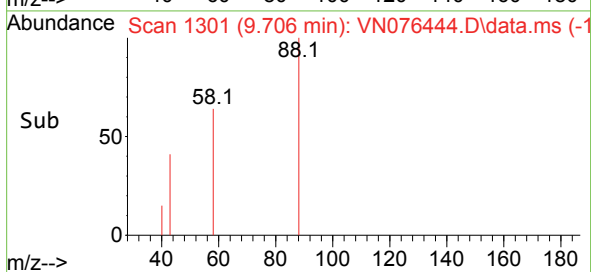
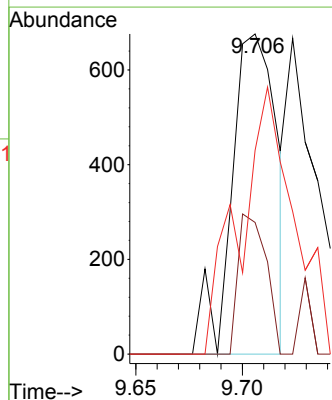
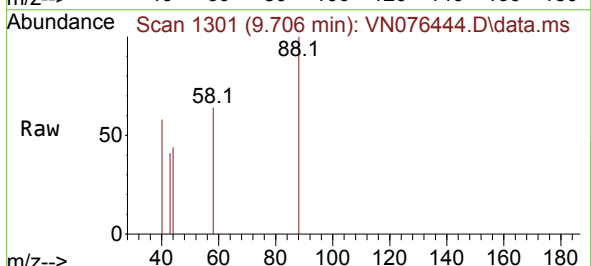
Tgt Ion: 88 Resp: 1004

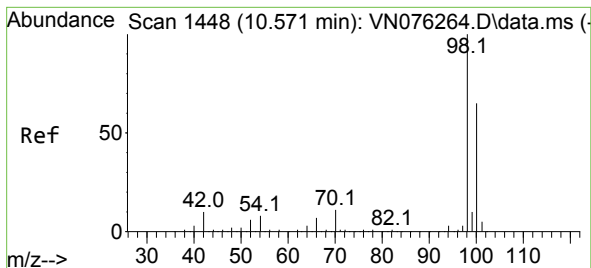
Ion Ratio Lower Upper

88 100

43 27.0 18.1 27.1

58 99.1 46.5 69.7#





#50

Toluene-d8

Concen: 49.667 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN076444.D

Acq: 27 Jan 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

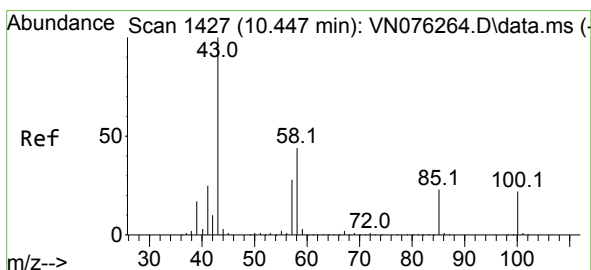
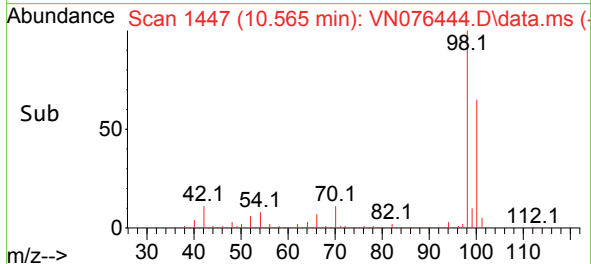
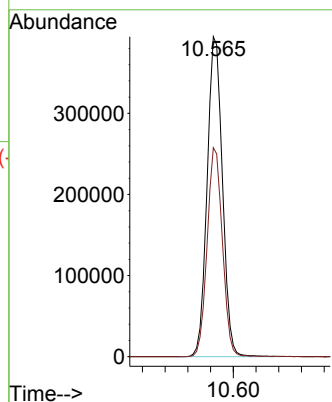
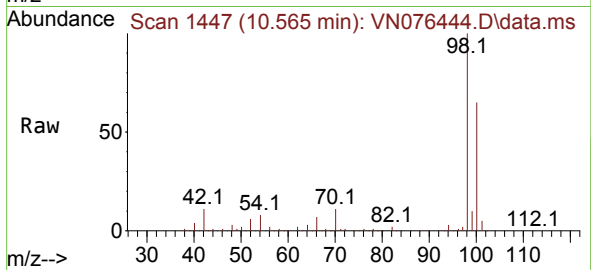
TOTAL-VOC-6-BORING-2-7-14-GRAB-7

Tgt Ion: 98 Resp: 734693

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.695 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.124 min

Lab File: VN076444.D

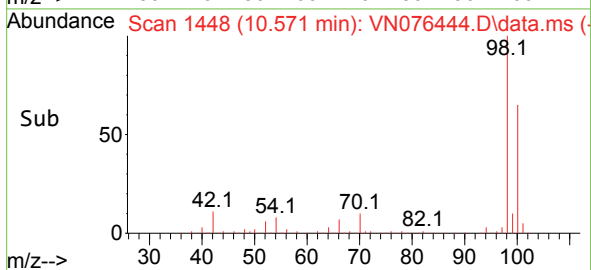
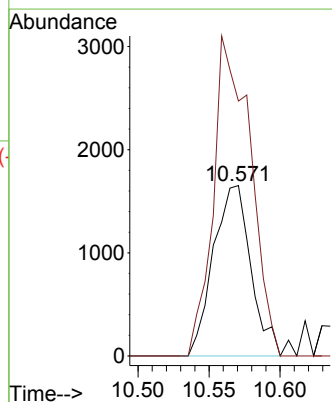
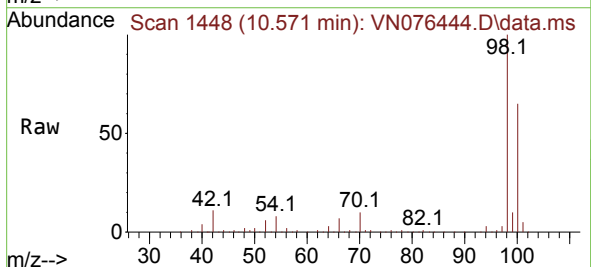
Acq: 27 Jan 2023 17:10

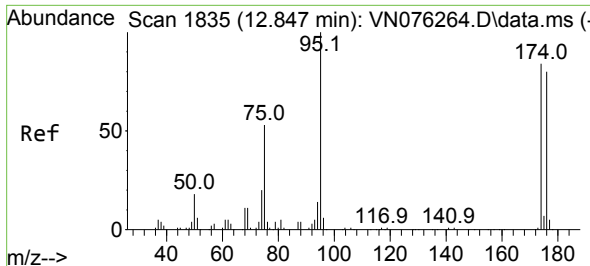
Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

58 186.1 35.1 52.7#

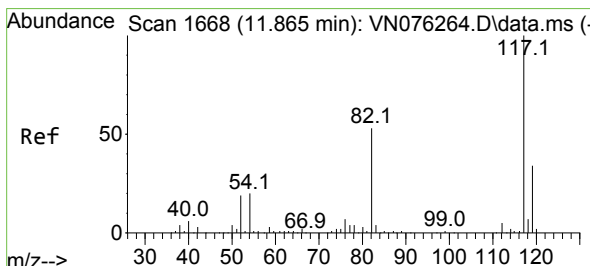
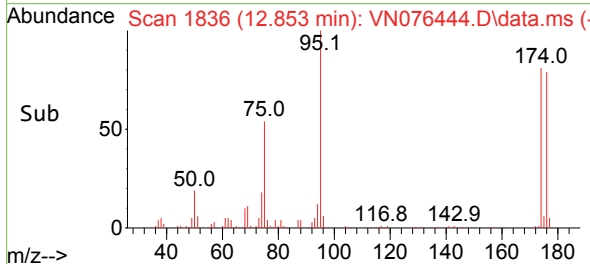
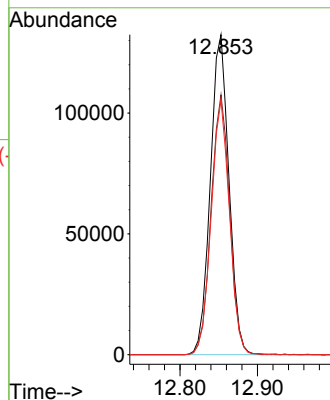
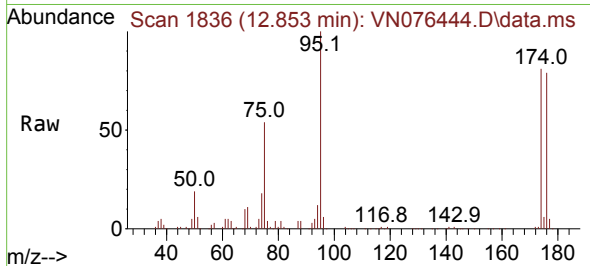




#62
4-Bromofluorobenzene
Concen: 45.701 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

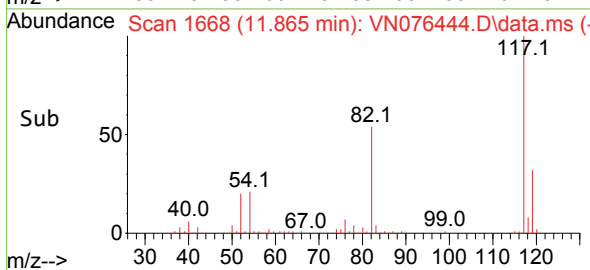
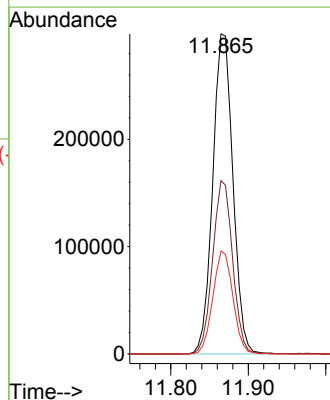
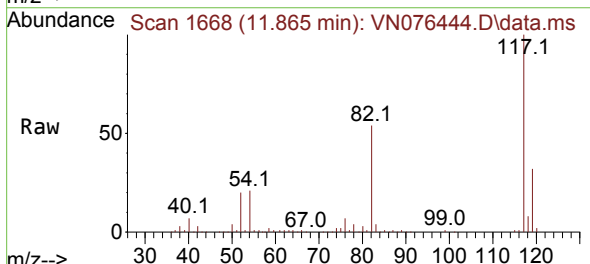
Instrument :
MSVOA_N
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TOTAL-VOC-6-BORING-2-7-14-GRAB-7

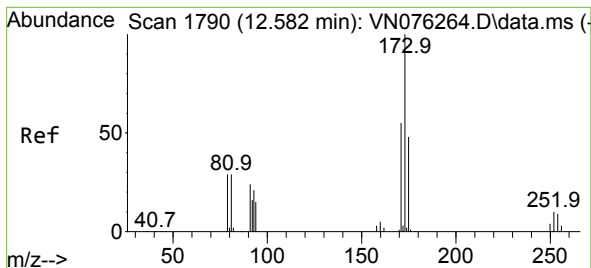
Tgt Ion: 95 Resp: 220695
Ion Ratio Lower Upper
95 100
174 81.2 0.0 174.6
176 77.9 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion: 117 Resp: 539813
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.2
119 32.2 26.9 40.3





#71

Bromoform

Concen: 0.491 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076444.D

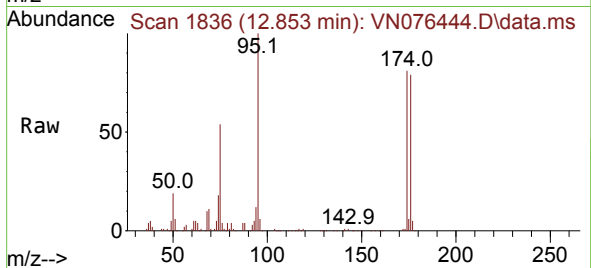
Acq: 27 Jan 2023 17:10

Instrument :

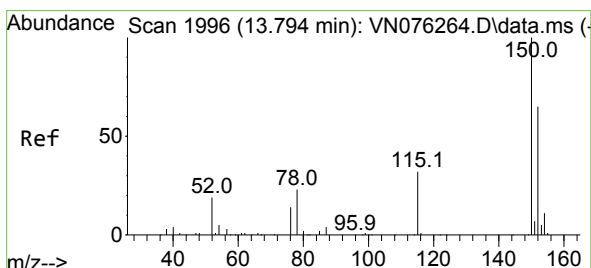
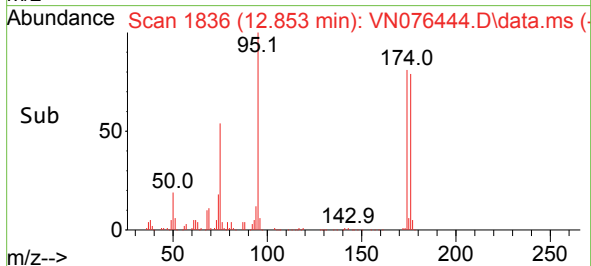
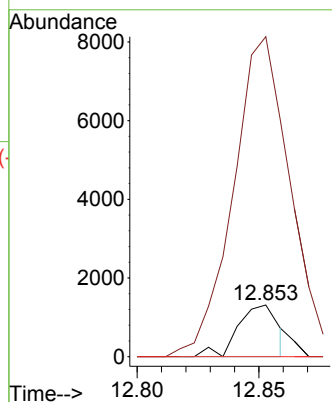
MSVOA_N

ClientSampleId :

TOTAL-VOC-6-BORING-2-7-14-GRAB-7



Tgt Ion:	173	Resp:	1505
Ion Ratio	Lower	Upper	
173	100		
175	728.0	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

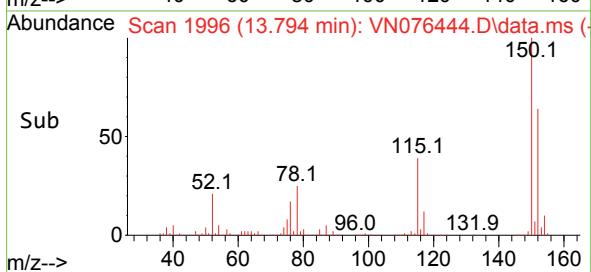
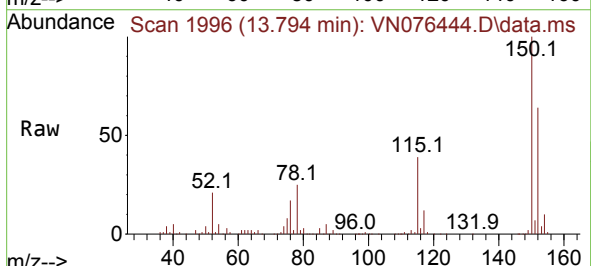
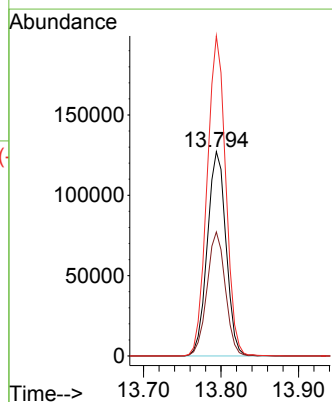
RT: 13.794 min Scan# 1996

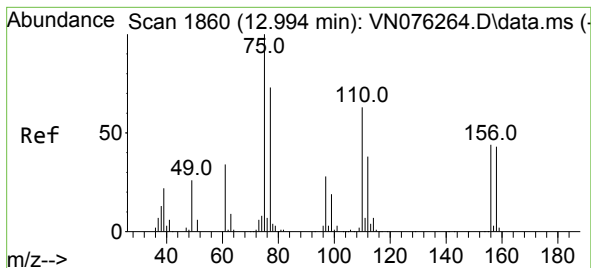
Delta R.T. -0.000 min

Lab File: VN076444.D

Acq: 27 Jan 2023 17:10

Tgt Ion:	152	Resp:	212902
Ion Ratio	Lower	Upper	
152	100		
115	59.7	29.6	88.9
150	155.8	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 30.089 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076444.D

Acq: 27 Jan 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

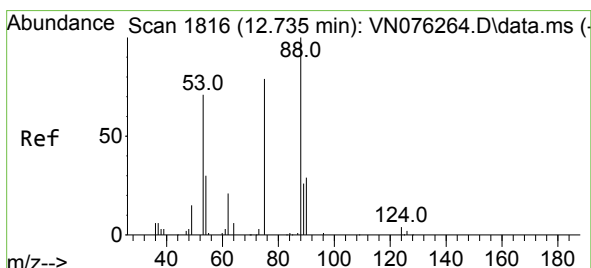
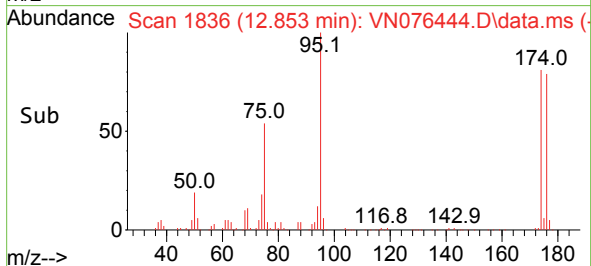
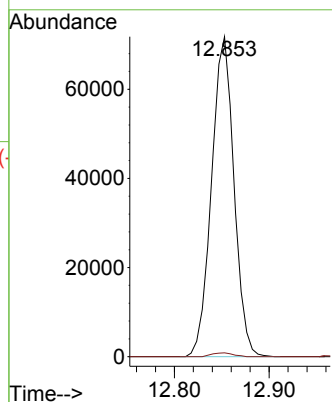
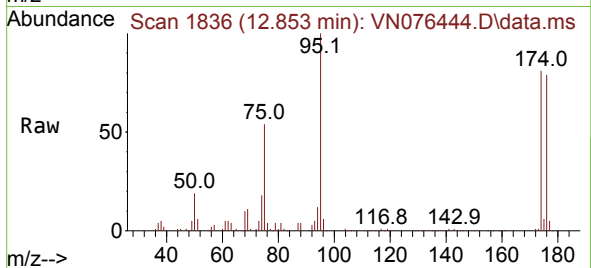
TOTAL-VOC-6-BORING-2-7-14-GRAB-7

Tgt Ion: 75 Resp: 118164

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.345 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076444.D

Acq: 27 Jan 2023 17:10

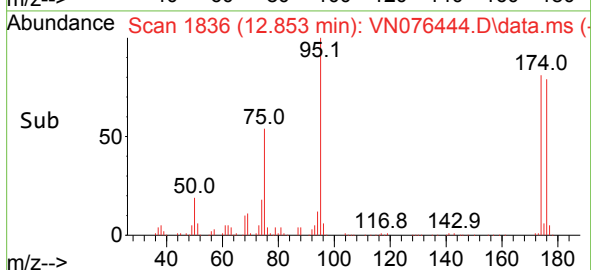
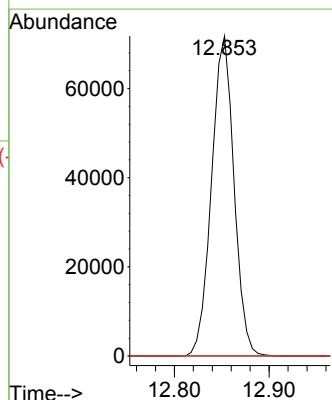
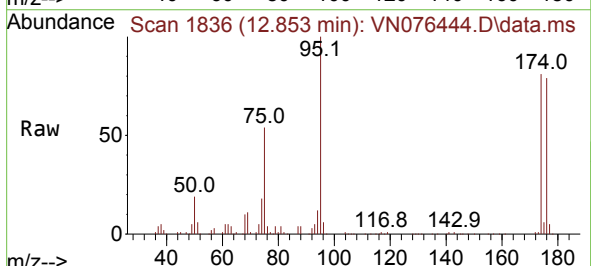
Tgt Ion: 75 Resp: 118164

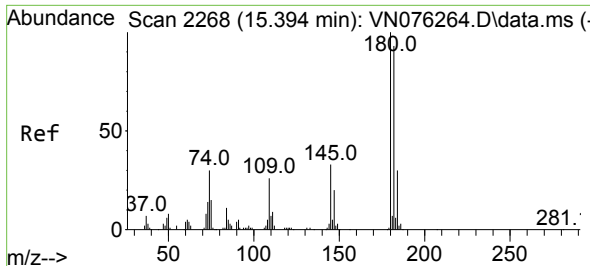
Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 37.0 55.6#

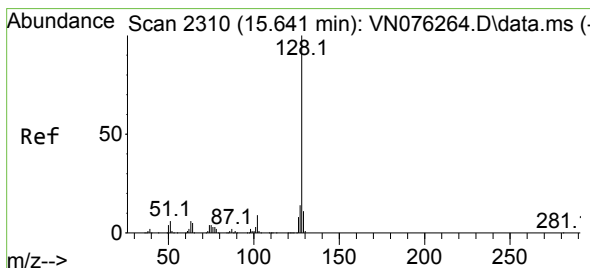
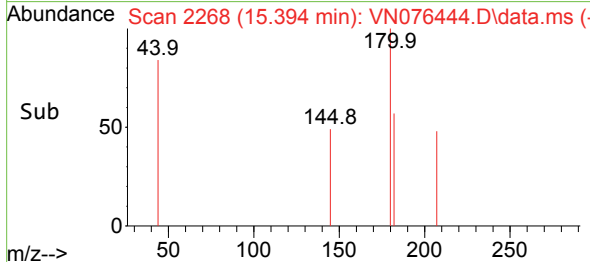
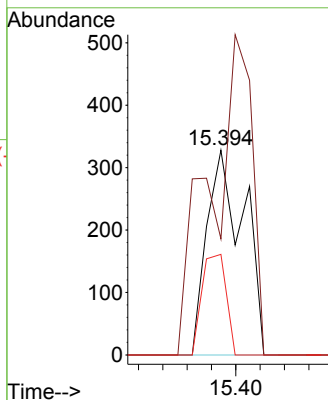
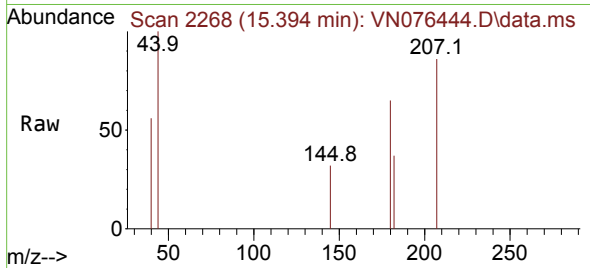




#93
1,2,4-Trichlorobenzene
Concen: 1.395 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

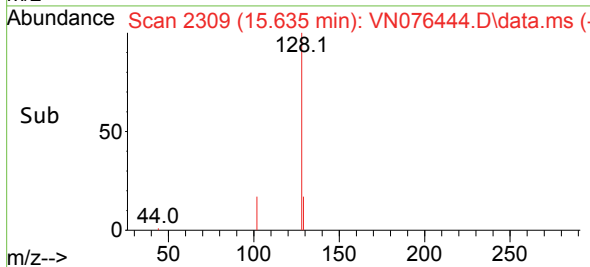
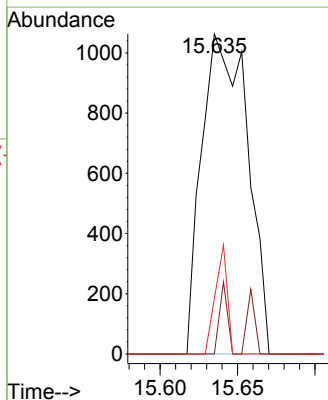
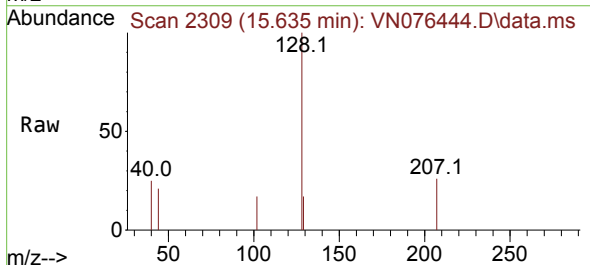
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-6-BORING-2-7-14-GRAB-7

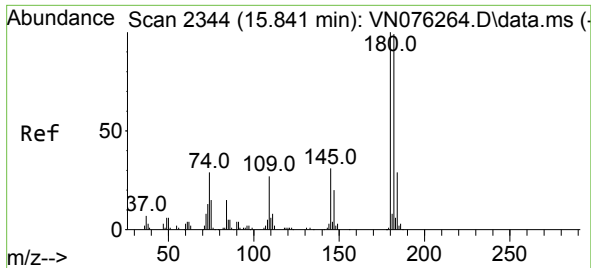
Tgt Ion:180 Resp: 346
Ion Ratio Lower Upper
180 100
182 174.0 47.0 141.2#
145 32.1 15.2 45.5



#95
Naphthalene
Concen: 2.029 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN076444.D
Acq: 27 Jan 2023 17:10

Tgt Ion:128 Resp: 2180
Ion Ratio Lower Upper
128 100
127 3.9 10.3 15.5#
129 8.9 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.294 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076444.D

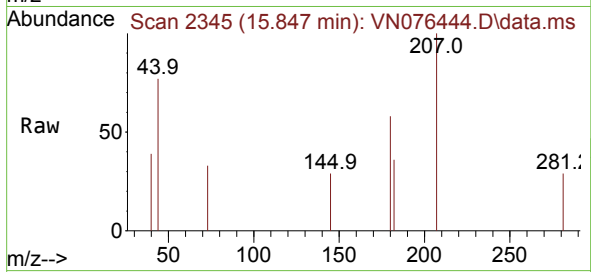
Acq: 27 Jan 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-6-BORING-2-7-14-GRAB-7



Tgt Ion:180 Resp: 509

Ion Ratio Lower Upper

180 100

182 103.5 47.5 142.5

145 21.8 15.9 47.6

