

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076443.D
 Acq On : 27 Jan 2023 16:46
 Operator : JC\MD
 Sample : 01329-20
 Misc : 16.75g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTAL-VOC-BORING-2-25-35-GRAB-7

Quant Time: Jan 27 22:41:45 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)

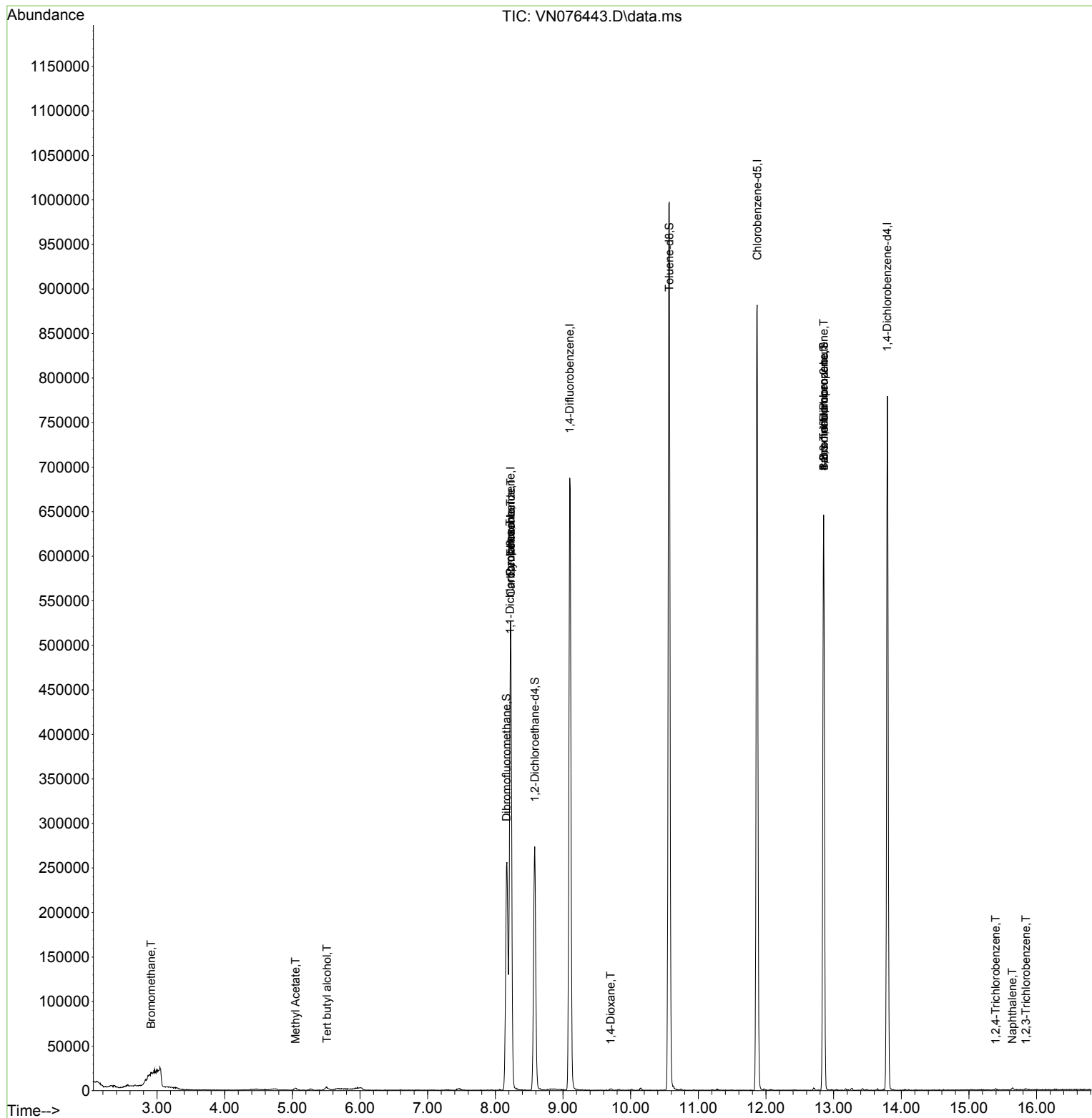
Internal Standards						
1) Pentafluorobenzene	8.224	168	391049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	632542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	525870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	225254	51.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	186168	47.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.100%			
50) Toluene-d8	10.570	98	716598	49.038	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.853	95	214670	45.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.000%			
Target Compounds					Qvalue	
5) Bromomethane	2.912	94	927	0.223	ug/l #	60
11) Tert butyl alcohol	5.512	59	2856	4.877	ug/l #	72
16) Acetone	4.436	43	73	Below Cal	#	41
18) Methyl Acetate	5.047	43	4375	0.920	ug/l #	69
20) Methylene Chloride	5.265	84	993	Below Cal	#	87
31) Cyclohexane	8.224	56	8459	1.258	ug/l #	52
36) 1,1-Dichloropropene	8.218	75	29623	5.269	ug/l #	50
38) Carbon Tetrachloride	8.229	117	40617	6.478	ug/l #	17
49) 1,4-Dioxane	9.706	88	1571	21.436	ug/l #	96
71) Bromoform	12.853	173	1357	0.454	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	116368	30.185	ug/l #	1
77) Bromobenzene	12.970	156	53	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116368	92.633	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	779	1.512	ug/l	86
95) Naphthalene	15.641	128	2818	2.089	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.841	180	422	1.272	ug/l #	33

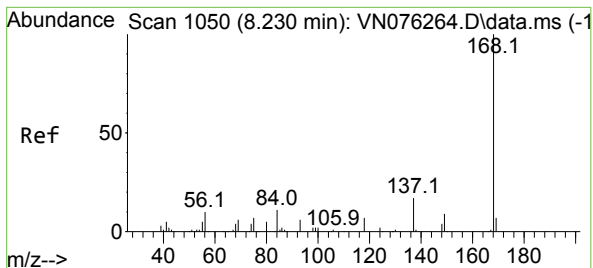
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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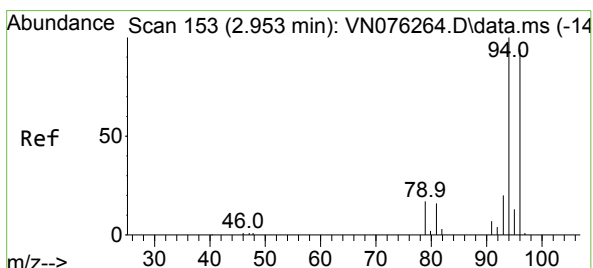
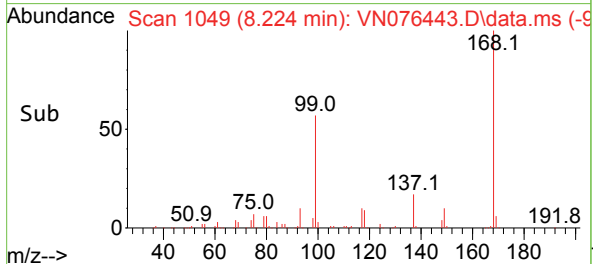
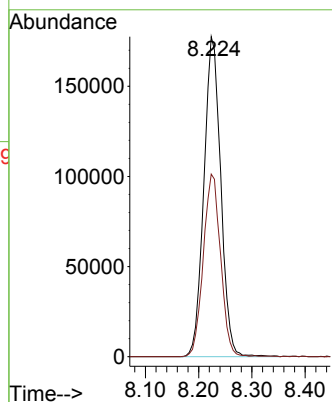
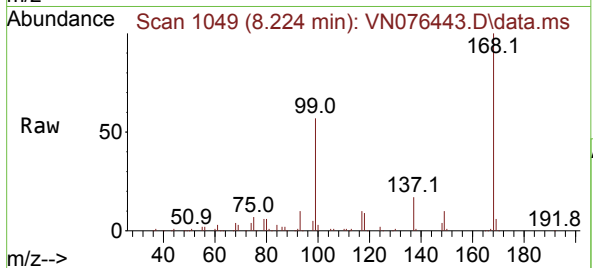




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

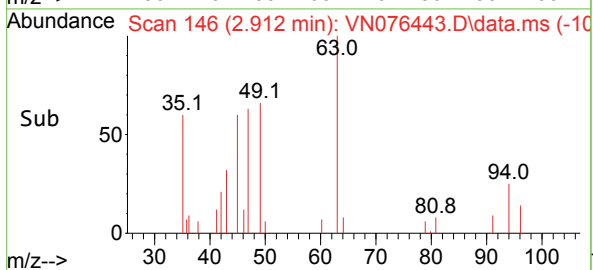
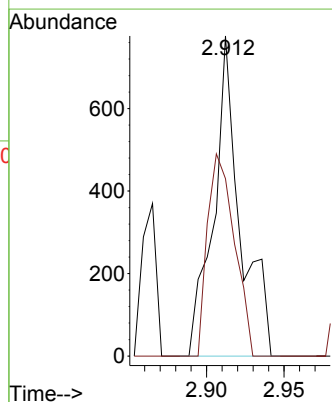
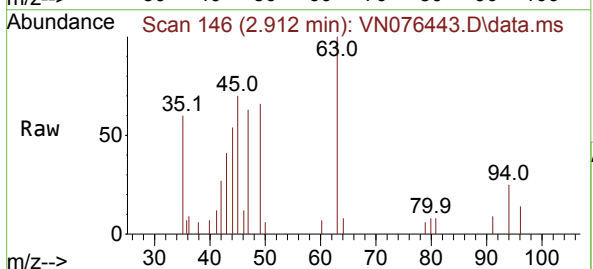
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-BORING-2-25-35-GRAB-7

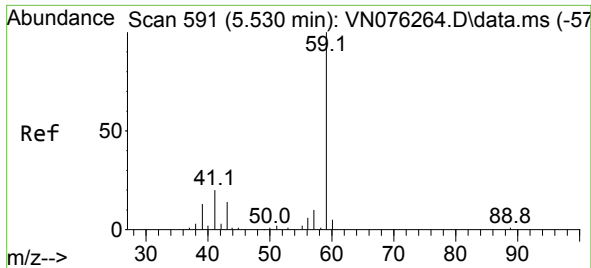
Tgt Ion:168 Resp: 391049
Ion Ratio Lower Upper
168 100
99 57.0 41.6 62.4



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.912 min Scan# 146
Delta R.T. -0.041 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Tgt Ion: 94 Resp: 927
Ion Ratio Lower Upper
94 100
96 55.4 75.1 112.7#

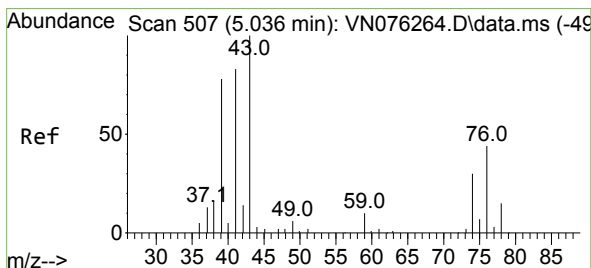
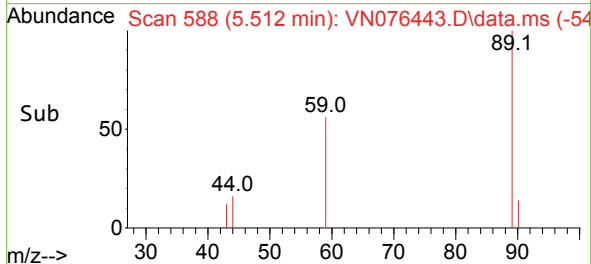
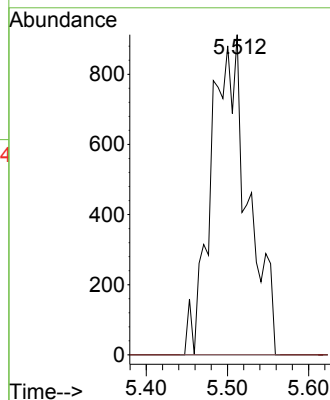
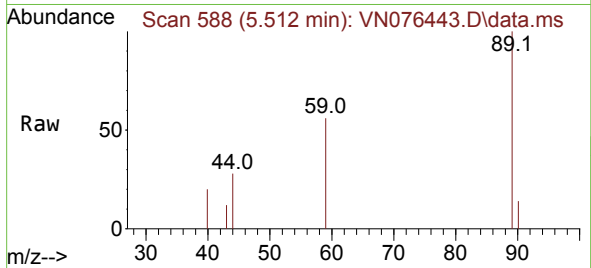




#11
Tert butyl alcohol
Concen: 4.877 ug/l
RT: 5.512 min Scan# 509
Delta R.T. -0.018 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

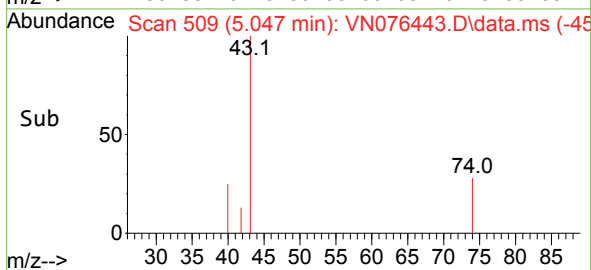
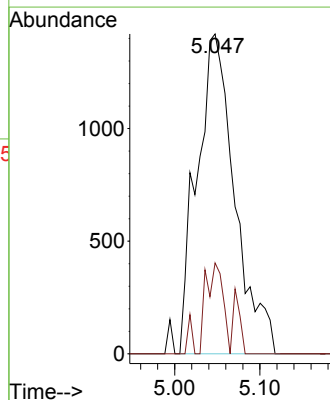
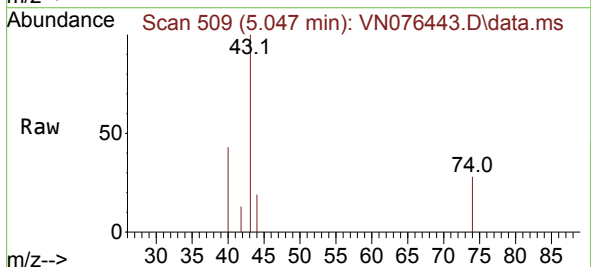
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-BORING-2-25-35-GRAB-7

Tgt Ion: 59 Resp: 2856
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: 0.920 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

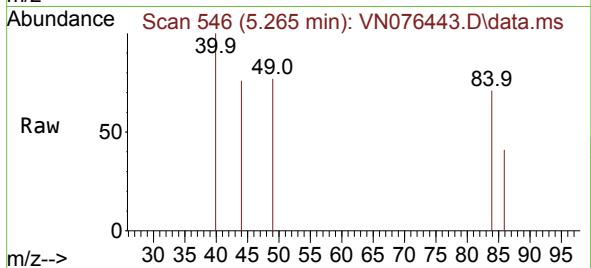
Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
74 12.8 23.3 34.9#



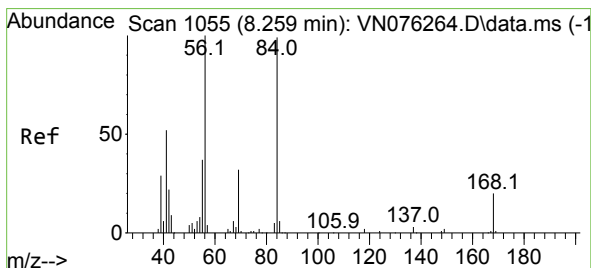
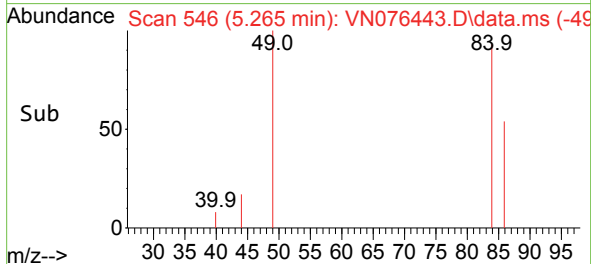
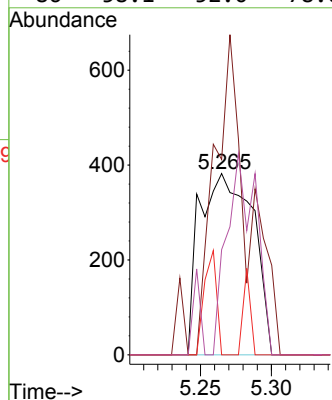


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 54
Delta R.T. -0.024 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-BORING-2-25-35-GRAB-7

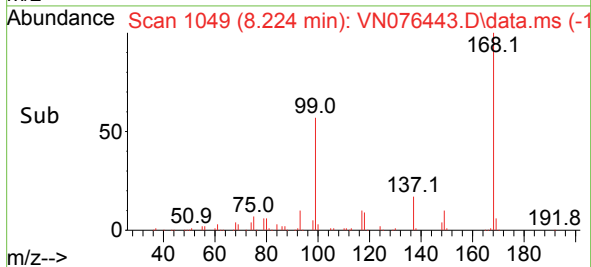
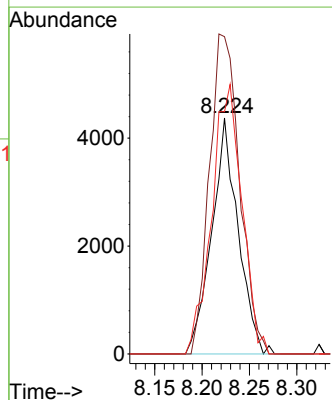
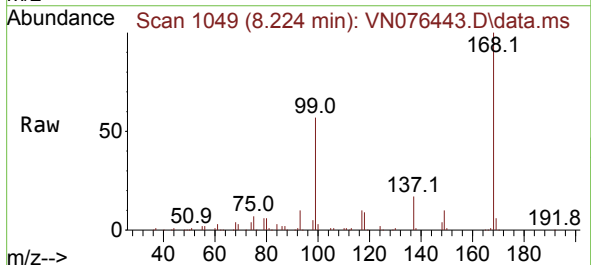


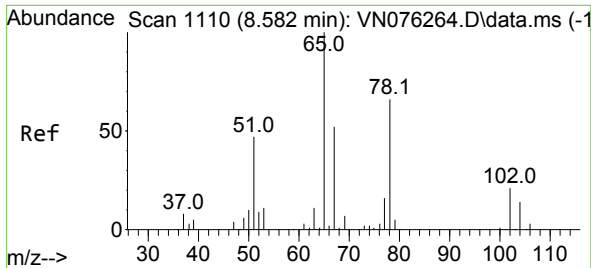
Tgt Ion:	84	Resp:	993
Ion	Ratio	Lower	Upper
84	100		
49	107.9	84.5	126.7
51	0.0	26.0	39.0#
86	58.1	52.0	78.0



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Tgt Ion:	56	Resp:	8459
Ion	Ratio	Lower	Upper
56	100		
69	134.4	25.8	38.8#
84	102.6	79.0	118.4





#33

1,2-Dichloroethane-d4

Concen: 51.445 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076443.D

Acq: 27 Jan 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

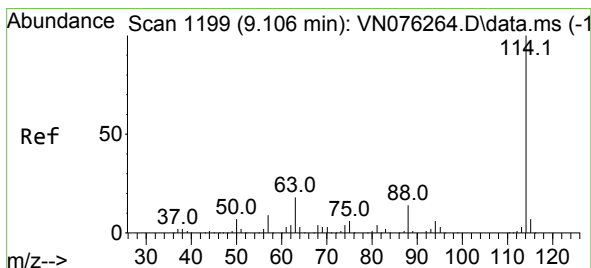
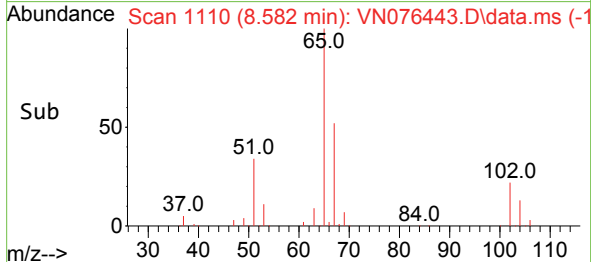
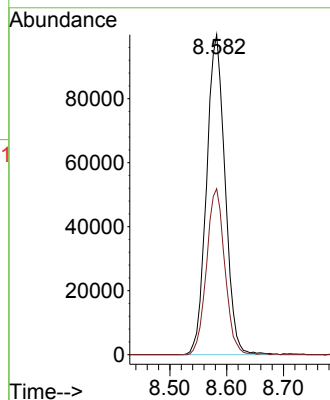
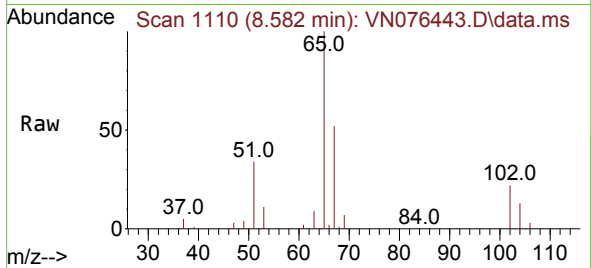
TOTAL-VOC-BORING-2-25-35-GRAB-7

Tgt Ion: 65 Resp: 225254

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076443.D

Acq: 27 Jan 2023 16:46

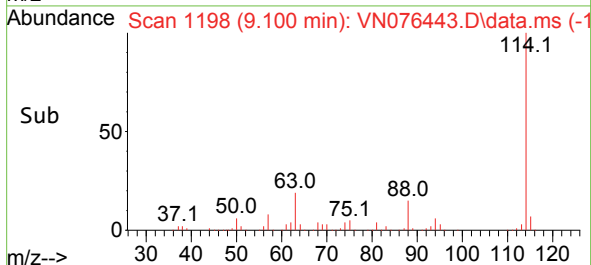
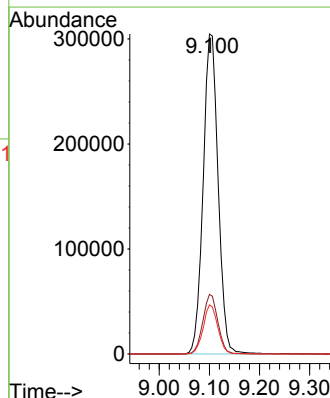
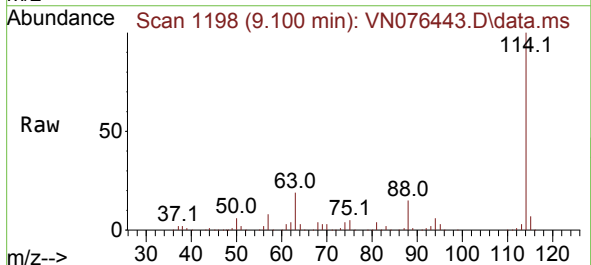
Tgt Ion: 114 Resp: 632542

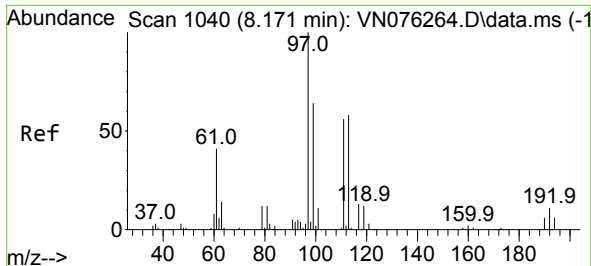
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

88 15.4 0.0 28.0

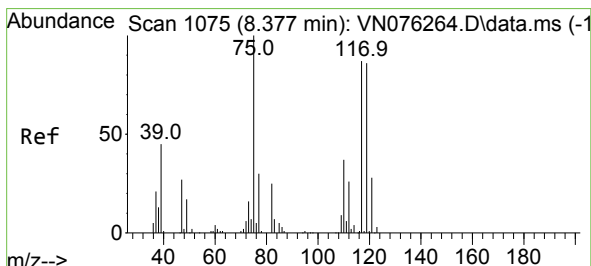
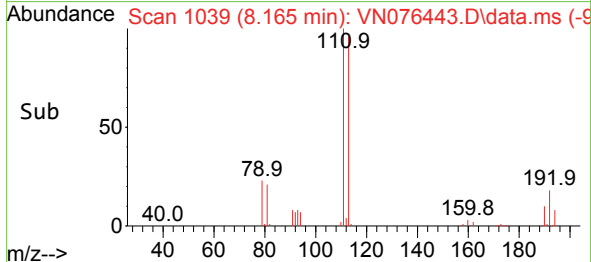
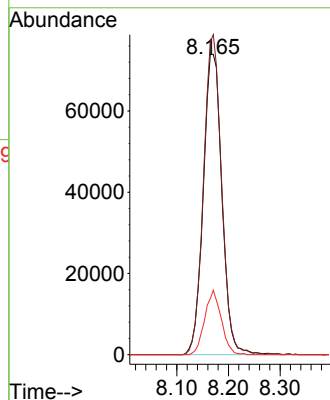
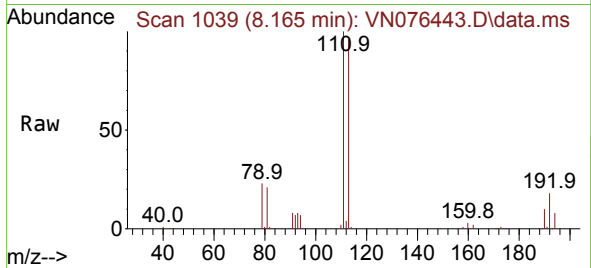




#35
Dibromofluoromethane
Concen: 47.050 ug/l
RT: 8.165 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

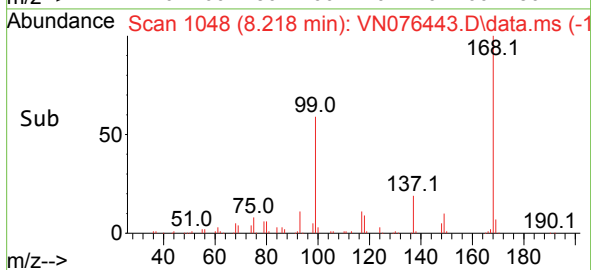
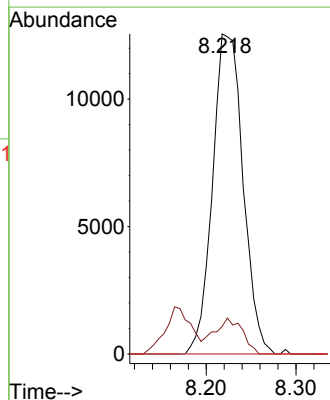
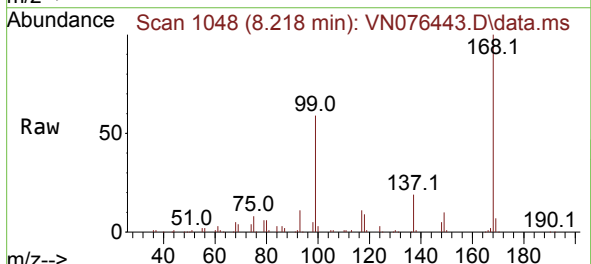
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-BORING-2-25-35-GRAB-7

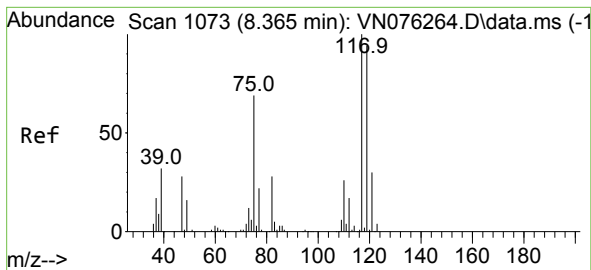
Tgt Ion:113 Resp: 186168
Ion Ratio Lower Upper
113 100
111 102.6 82.7 124.1
192 19.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.269 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.159 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Tgt Ion: 75 Resp: 29623
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.136 min

Lab File: VN076443.D

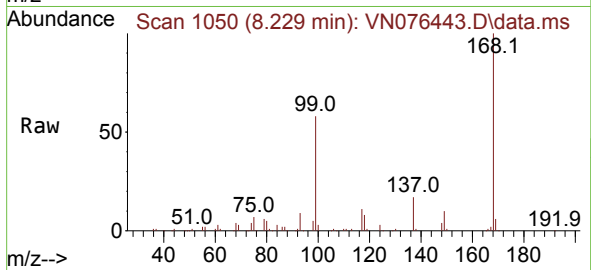
Acq: 27 Jan 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-BORING-2-25-35-GRAB-7



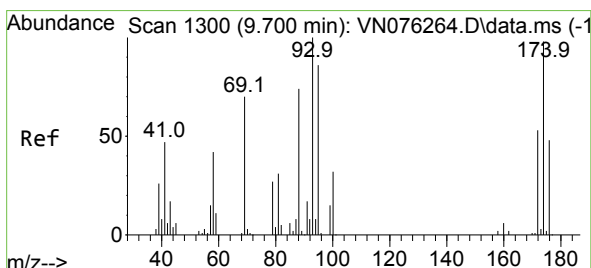
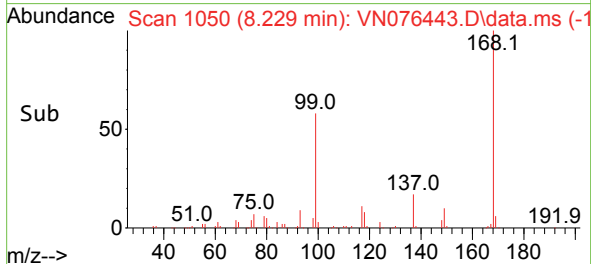
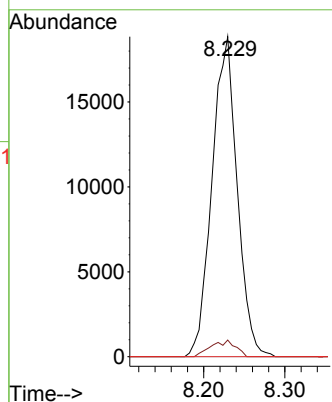
Tgt Ion:117 Resp: 40617

Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 21.436 ug/l

RT: 9.706 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN076443.D

Acq: 27 Jan 2023 16:46

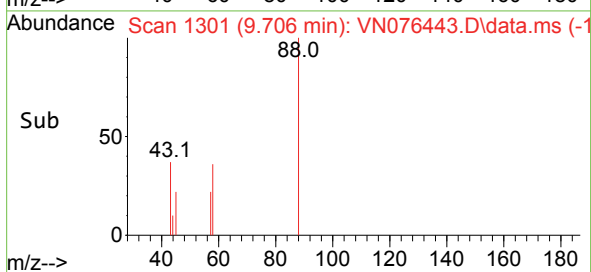
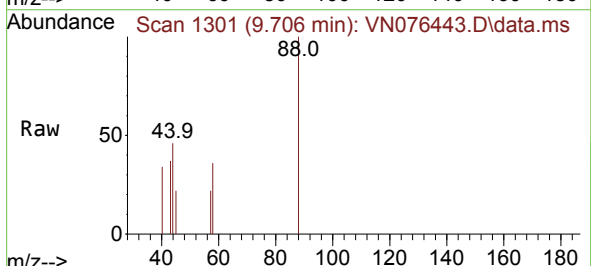
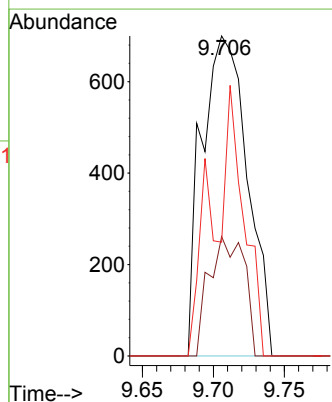
Tgt Ion: 88 Resp: 1571

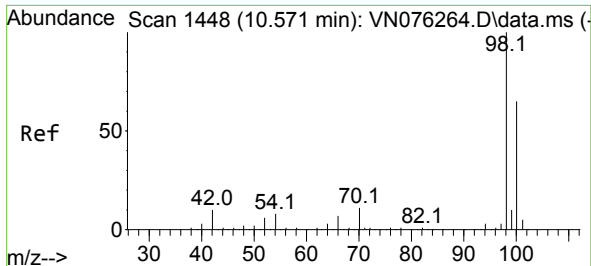
Ion Ratio Lower Upper

88 100

43 28.6 18.1 27.1#

58 57.4 46.5 69.7

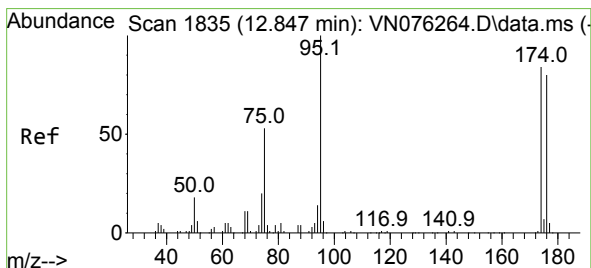
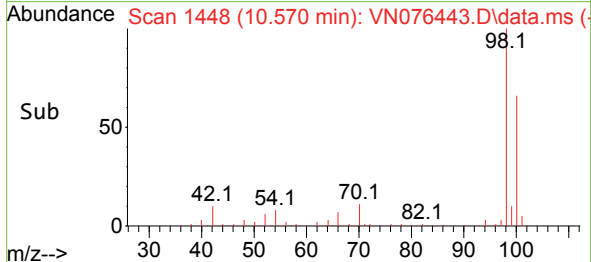
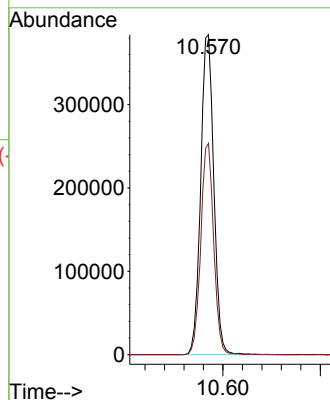
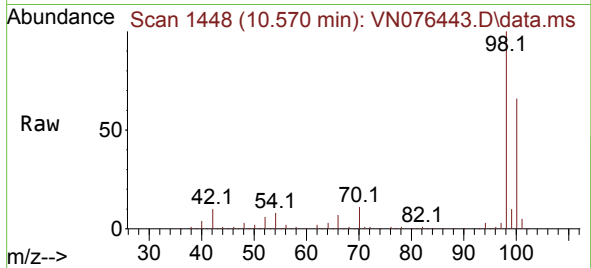




#50
Toluene-d8
Concen: 49.038 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

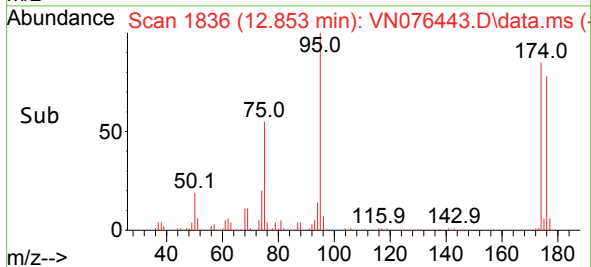
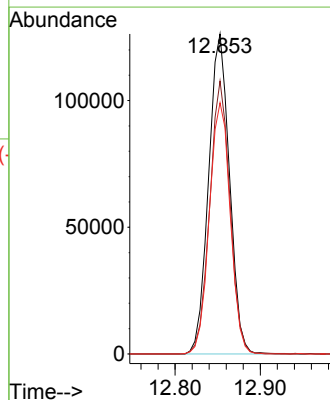
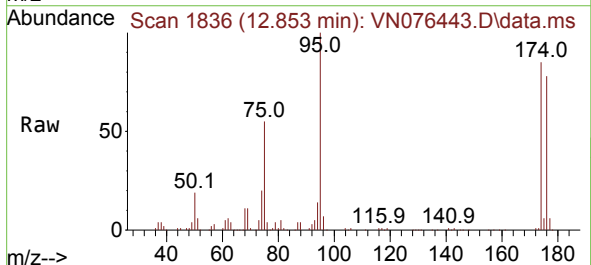
Instrument : MSVOA_N
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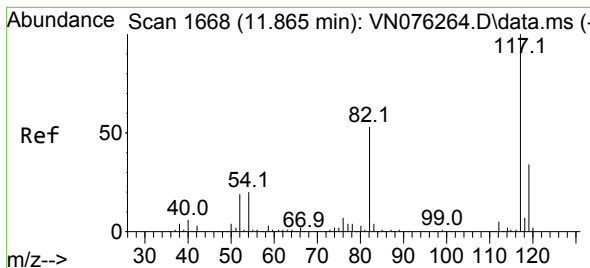
Tgt Ion: 98 Resp: 716598
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.000 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Tgt Ion: 95 Resp: 214670
Ion Ratio Lower Upper
95 100
174 83.1 0.0 174.6
176 78.6 0.0 167.8

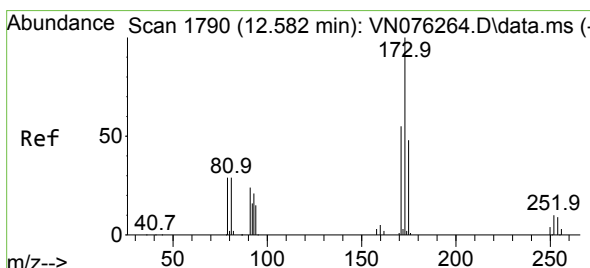
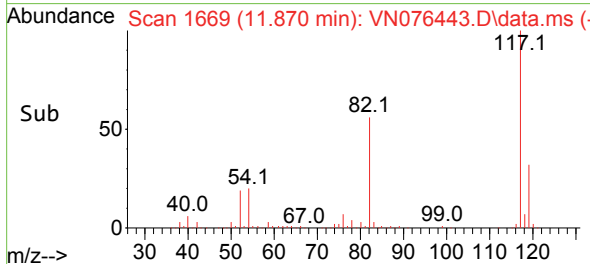
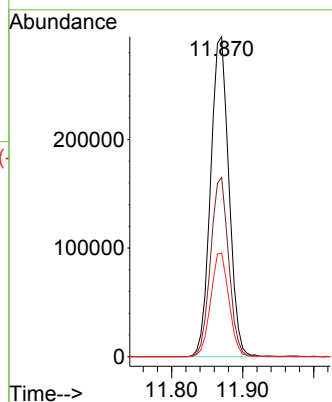
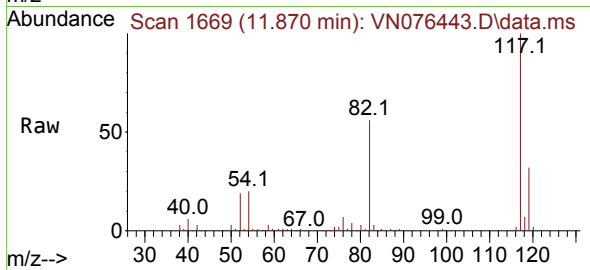




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

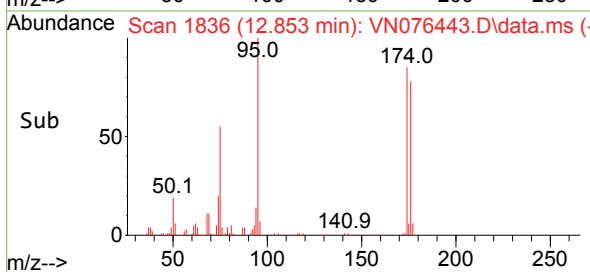
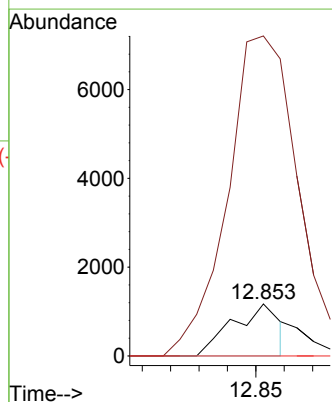
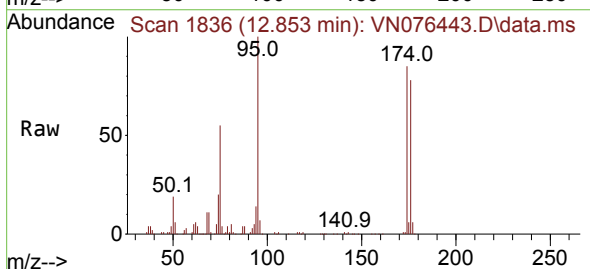
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-BORING-2-25-35-GRAB-7

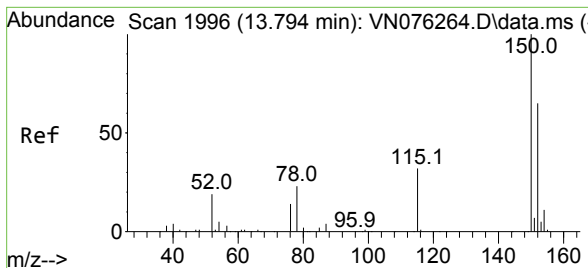
Tgt Ion:117 Resp: 525870
Ion Ratio Lower Upper
117 100
82 56.1 42.2 63.2
119 32.4 26.9 40.3



#71
Bromoform
Concen: 0.454 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 728.5 24.1 72.4#
254 0.0 0.0 0.0

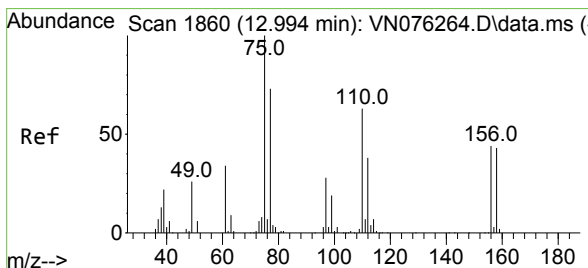
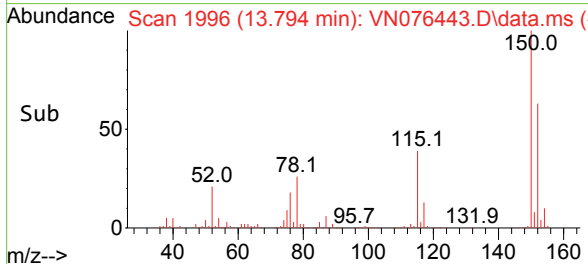
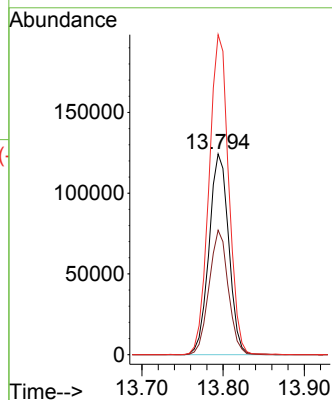
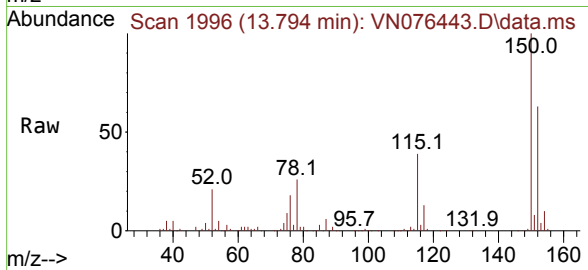




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076443.D
 Acq: 27 Jan 2023 16:46

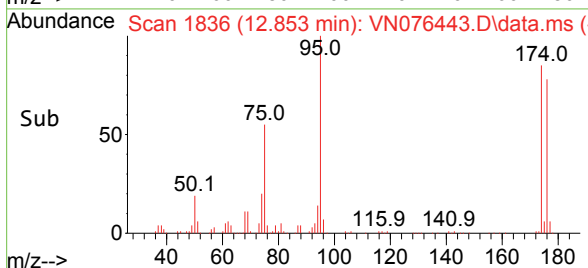
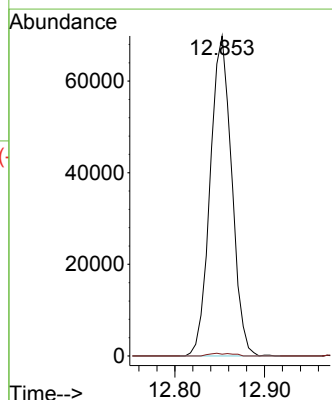
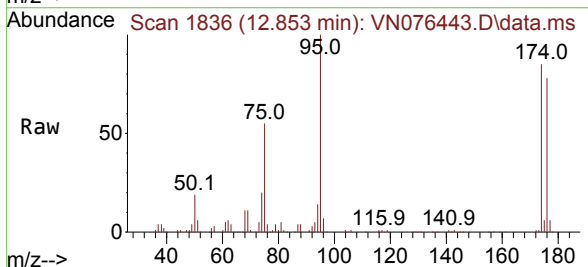
Instrument : MSVOA_N
 ClientSampleId : TOTAL-VOC-BORING-2-25-35-GRAB-7

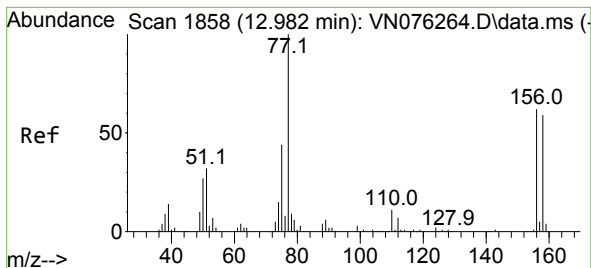
Tgt Ion:152 Resp: 209015
 Ion Ratio Lower Upper
 152 100
 115 60.4 29.6 88.9
 150 159.1 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 30.185 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076443.D
 Acq: 27 Jan 2023 16:46

Tgt Ion: 75 Resp: 116368
 Ion Ratio Lower Upper
 75 100
 77 0.9 75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.970 min Scan# 1856

Delta R.T. -0.012 min

Lab File: VN076443.D

Acq: 27 Jan 2023 16:46

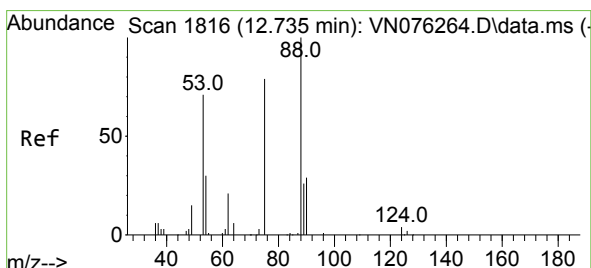
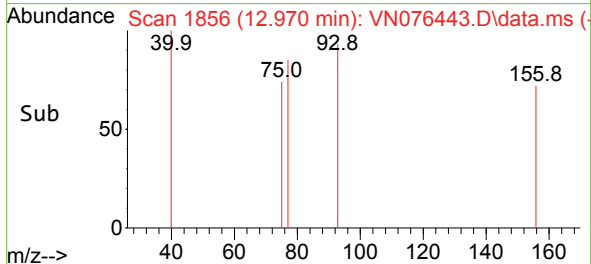
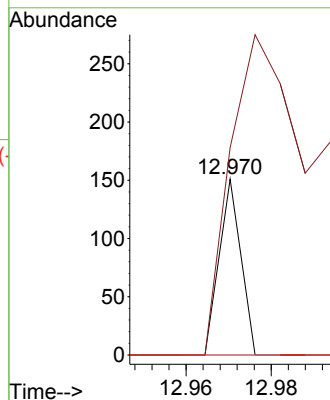
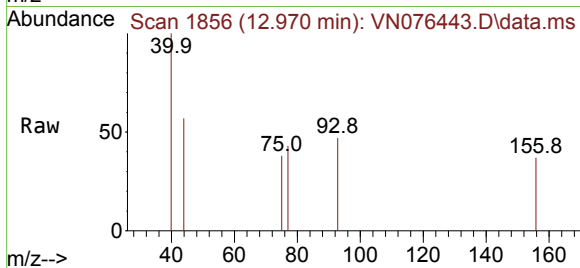
Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-BORING-2-25-35-GRAB-7

Tgt Ion:	156	Resp:	53
Ion	Ratio	Lower	Upper
156	100		
77	683.0	93.4	280.2#
158	0.0	48.4	145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.633 ug/l

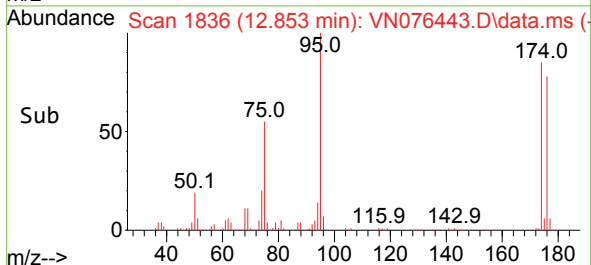
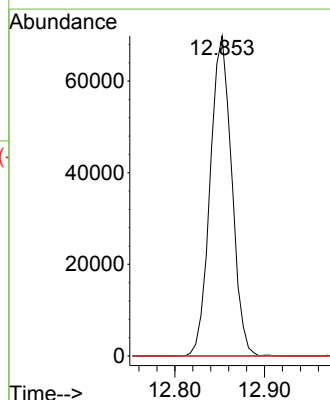
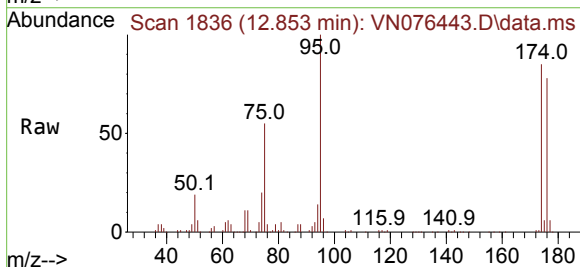
RT: 12.853 min Scan# 1836

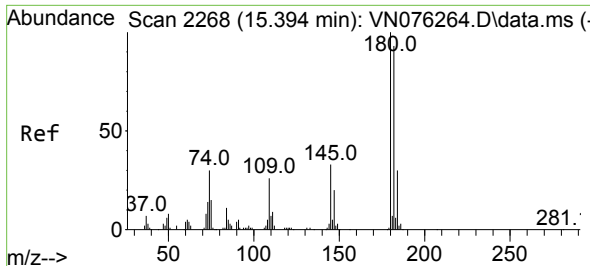
Delta R.T. 0.118 min

Lab File: VN076443.D

Acq: 27 Jan 2023 16:46

Tgt Ion:	75	Resp:	116368
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	37.0	55.6#

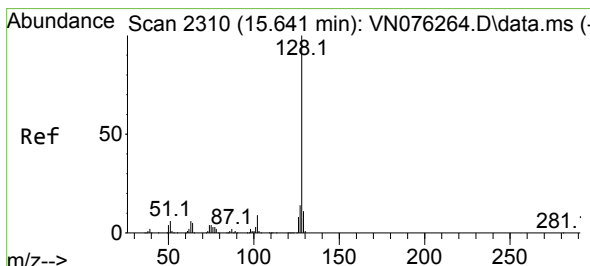
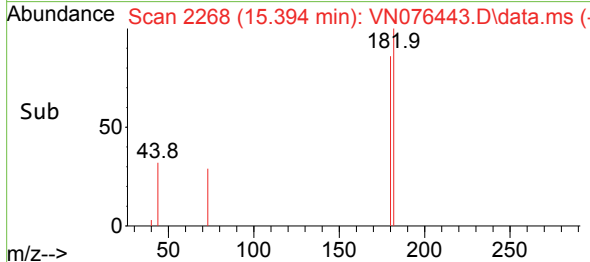
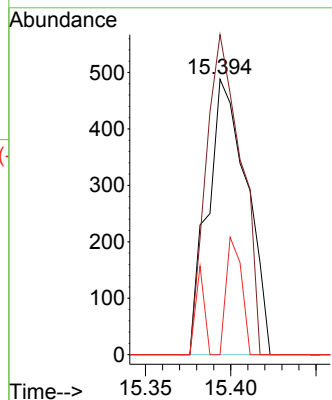
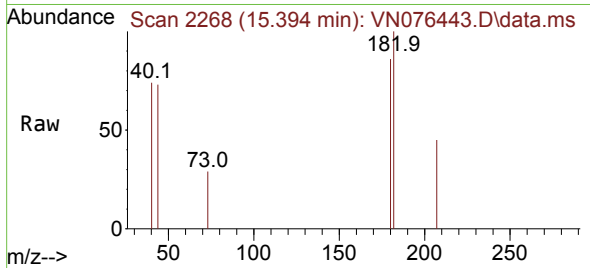




#93
1,2,4-Trichlorobenzene
Concen: 1.512 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

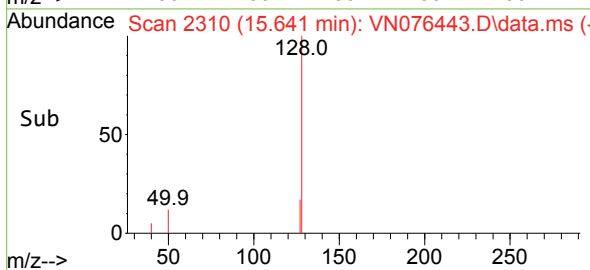
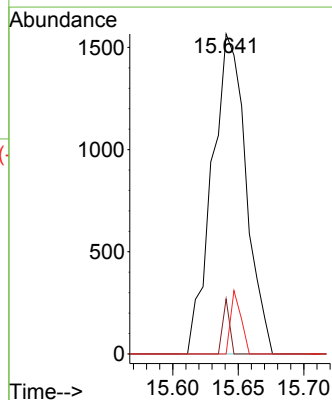
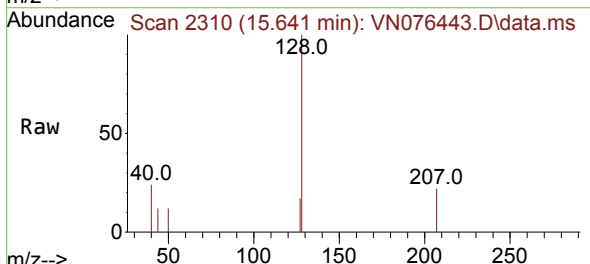
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-BORING-2-25-35-GRAB-7

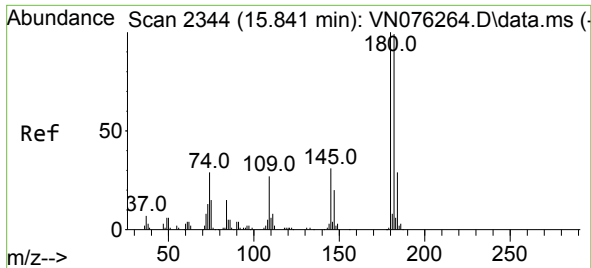
Tgt Ion:180 Resp: 779
Ion Ratio Lower Upper
180 100
182 104.4 47.0 141.2
145 16.8 15.2 45.5



#95
Naphthalene
Concen: 2.089 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076443.D
Acq: 27 Jan 2023 16:46

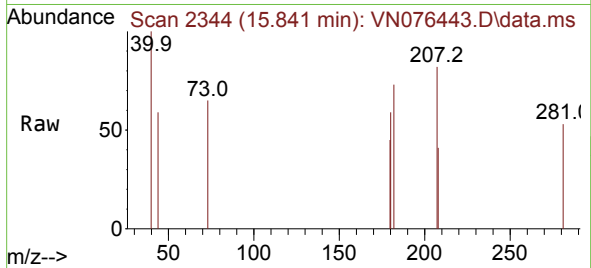
Tgt Ion:128 Resp: 2818
Ion Ratio Lower Upper
128 100
127 3.4 10.3 15.5#
129 6.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.272 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076443.D
 Acq: 27 Jan 2023 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTAL-VOC-BORING-2-25-35-GRAB-7



Tgt Ion:180 Resp: 422
 Ion Ratio Lower Upper
 180 100
 182 162.8 47.5 142.5#
 145 0.0 15.9 47.6#

