

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076442.D
 Acq On : 27 Jan 2023 16:22
 Operator : JC\MD
 Sample : 01329-15
 Misc : 12.13g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTAL-VOC-8-BORING-2-21-28-GRAB-4

Quant Time: Jan 27 22:41:18 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)

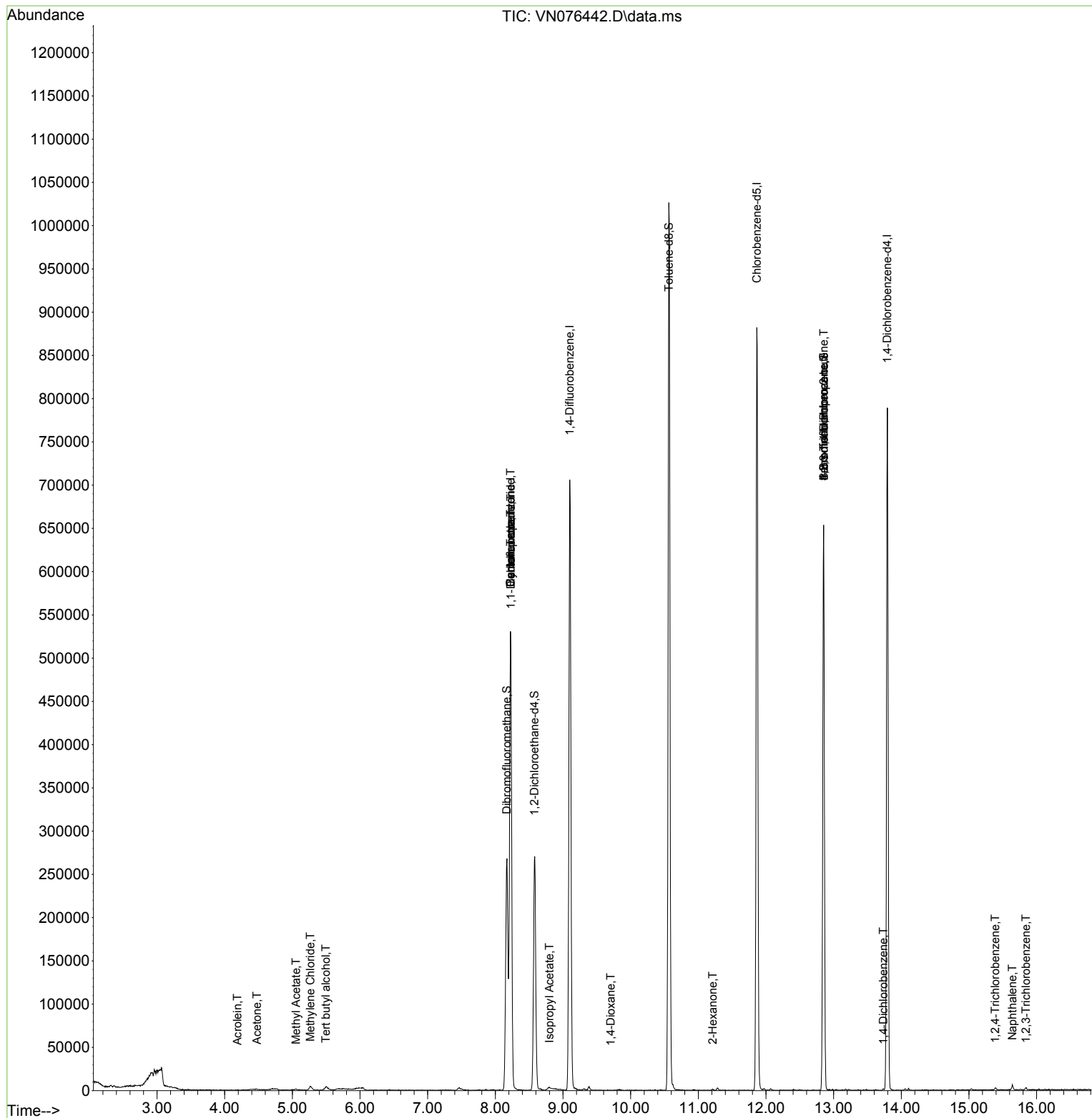
Internal Standards						
1) Pentafluorobenzene	8.224	168	391339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	631851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	537867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	224486	51.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.460%
35) Dibromofluoromethane	8.171	113	190929	48.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.620%
50) Toluene-d8	10.565	98	722546	49.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.853	95	214586	45.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.494	59	3995	6.816	ug/l #	72
13) Acrolein	4.189	56	179	0.255	ug/l #	15
16) Acetone	4.477	43	1155	0.749	ug/l	92
18) Methyl Acetate	5.053	43	2317	0.487	ug/l #	61
20) Methylene Chloride	5.265	84	3525	0.249	ug/l #	79
31) Cyclohexane	8.224	56	8205	1.219	ug/l #	19
36) 1,1-Dichloropropene	8.229	75	31399	5.591	ug/l #	47
38) Carbon Tetrachloride	8.224	117	42298	6.753	ug/l #	17
43) Isopropyl Acetate	8.800	43	2624	0.358	ug/l #	51
49) 1,4-Dioxane	9.706	88	126	1.721	ug/l #	31
59) 2-Hexanone	11.212	43	799	0.256	ug/l	94
71) Bromoform	12.853	173	1669	0.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	117634	29.592	ug/l #	1
77) Bromobenzene	12.982	156	132	Below Cal	#	9
81) trans-1,4-Dichloro-2-b...	12.853	75	117634	90.869	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	820	0.211	ug/l	72
93) 1,2,4-Trichlorobenzene	15.388	180	1028	1.570	ug/l	78
95) Naphthalene	15.641	128	5282	2.294	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	1319	1.512	ug/l	93

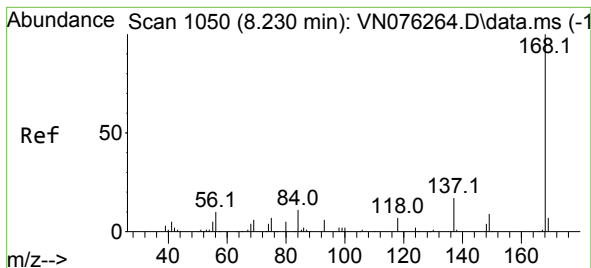
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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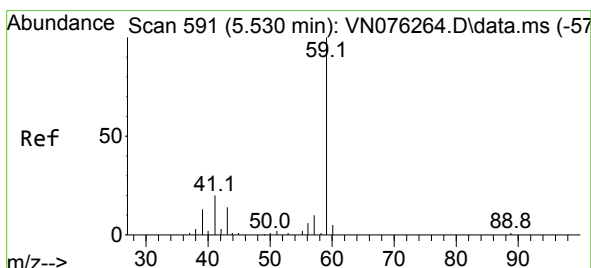
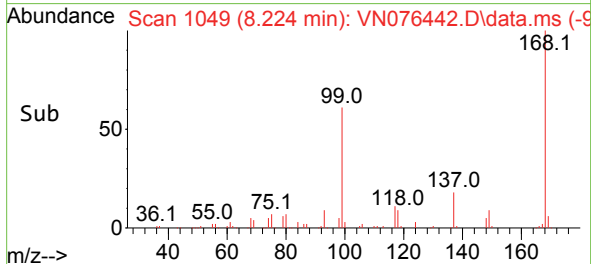
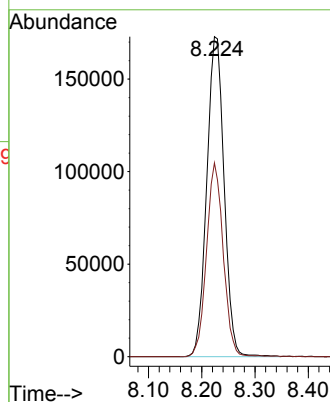
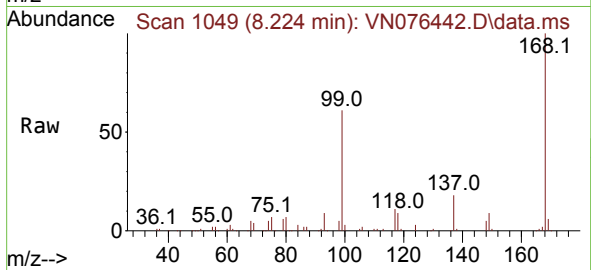




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

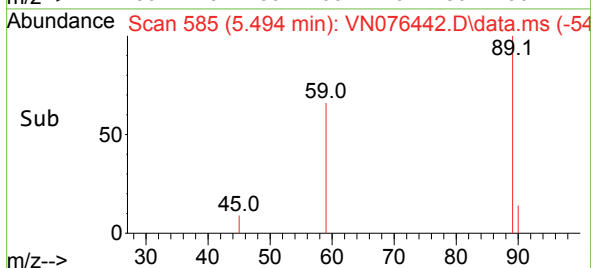
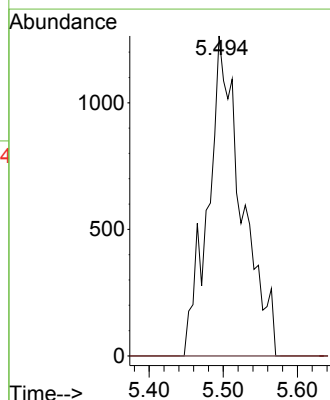
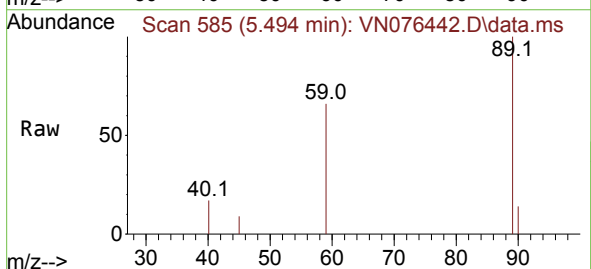
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-8-BORING-2-21-28-GRAB-4

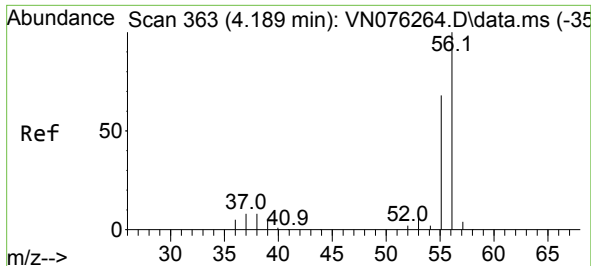
Tgt Ion:168 Resp: 391339
Ion Ratio Lower Upper
168 100
99 60.6 41.6 62.4



#11
Tert butyl alcohol
Concen: 6.816 ug/l
RT: 5.494 min Scan# 585
Delta R.T. -0.036 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 59 Resp: 3995
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

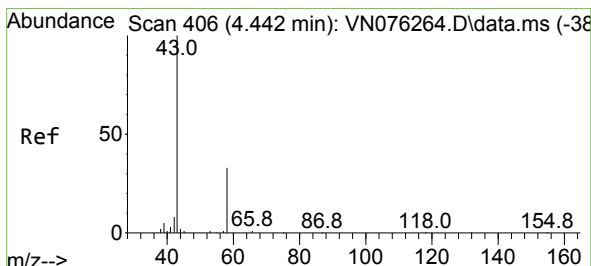
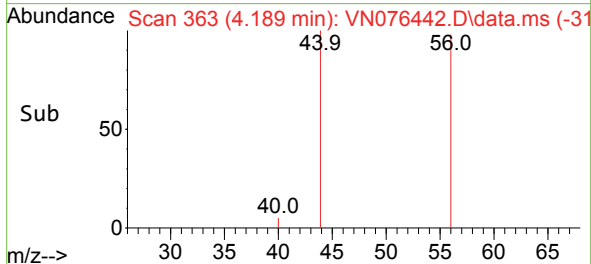
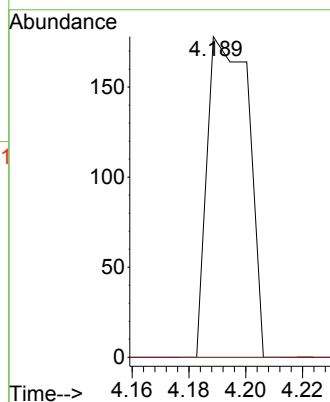
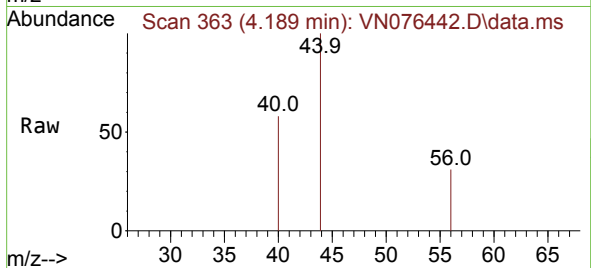




#13
Acrolein
Concen: 0.255 ug/l
RT: 4.189 min Scan# 301
Delta R.T. -0.000 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

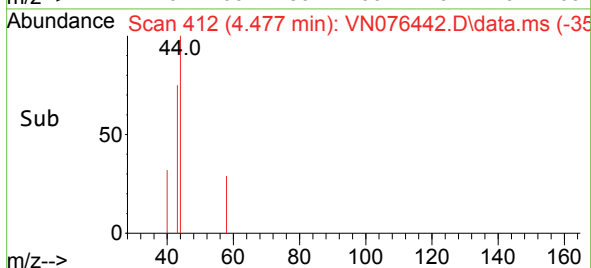
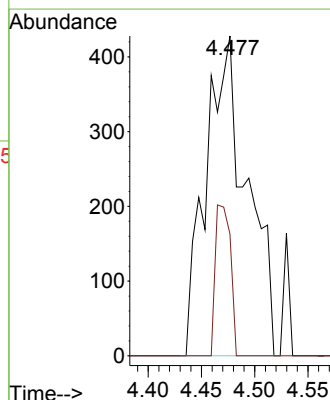
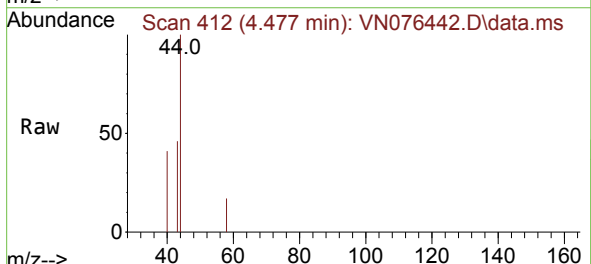
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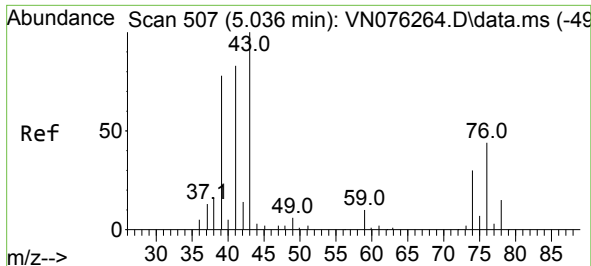
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 0.749 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.035 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 38.1 26.7 40.1

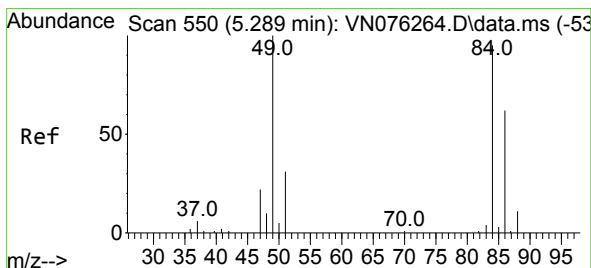
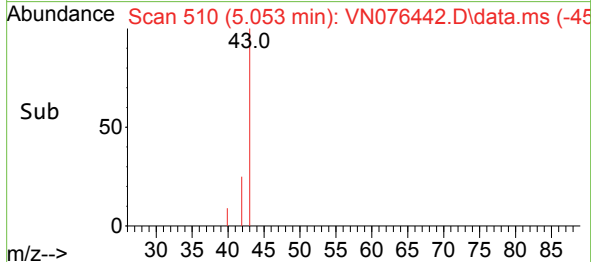
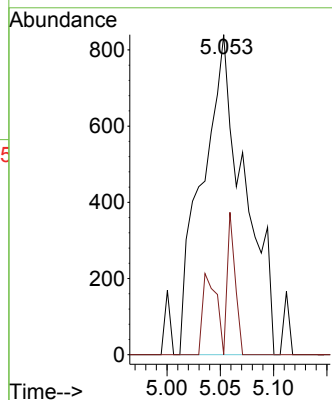
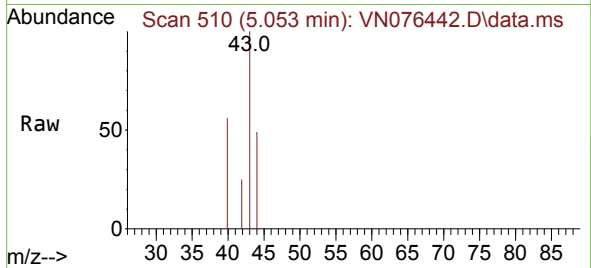




#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

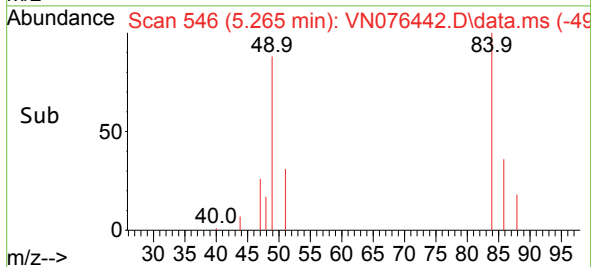
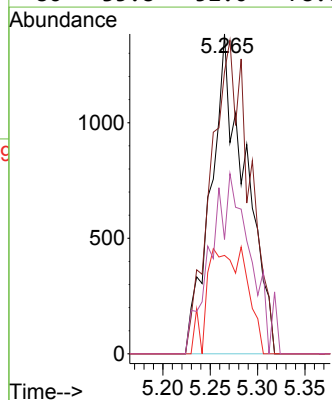
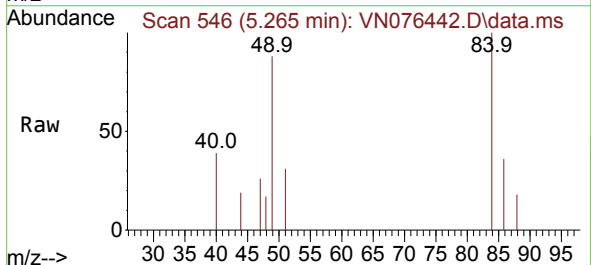
Instrument :
MSVOA_N
ClientSampleId :
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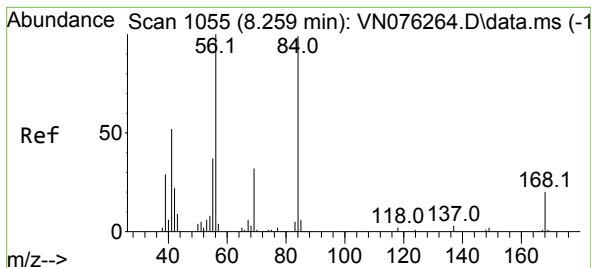
Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
74 8.2 23.3 34.9#



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 5.265 min Scan# 546
Delta R.T. -0.024 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 84 Resp: 3525
Ion Ratio Lower Upper
84 100
49 88.2 84.5 126.7
51 30.8 26.0 39.0
86 35.8 52.0 78.0#





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 8.224 min Scan# 1109

Delta R.T. -0.035 min

Lab File: VN076442.D

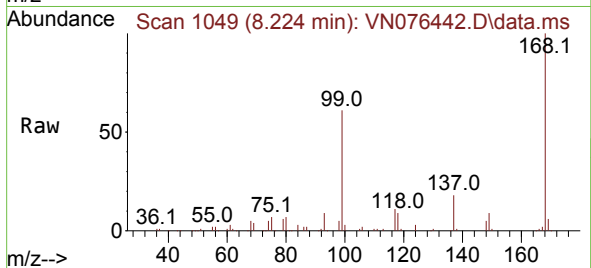
Acq: 27 Jan 2023 16:22

Instrument :

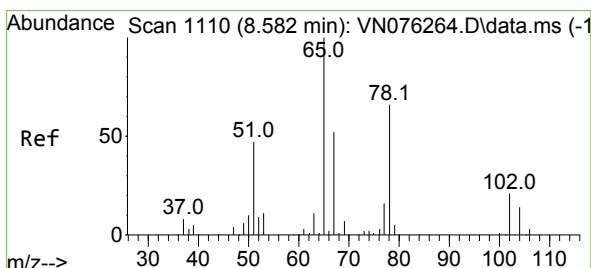
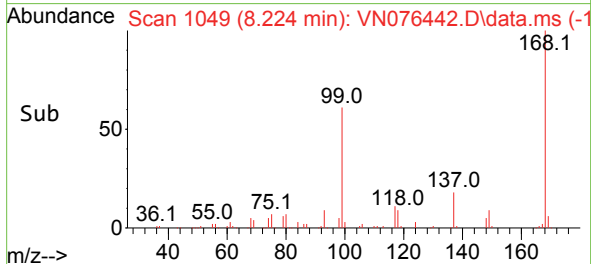
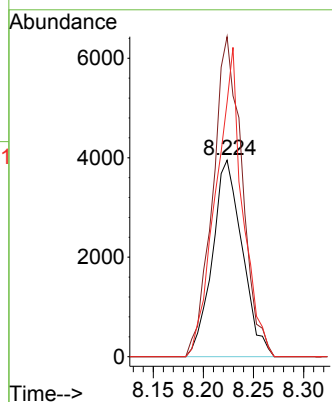
MSVOA_N

ClientSampleId :

TOTAL-VOC-8-BORING-2-21-28-GRAB-4



Tgt Ion:	56	Resp:	8205
Ion	Ratio	Lower	Upper
56	100		
69	162.9	25.8	38.8#
84	129.5	79.0	118.4#



#33

1,2-Dichloroethane-d4

Concen: 51.232 ug/l

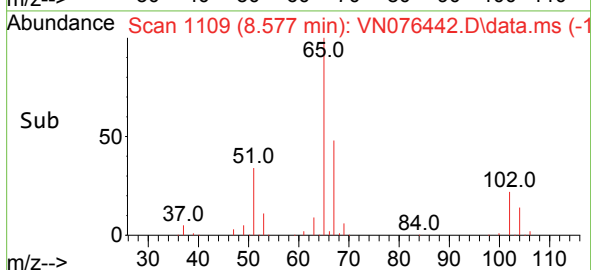
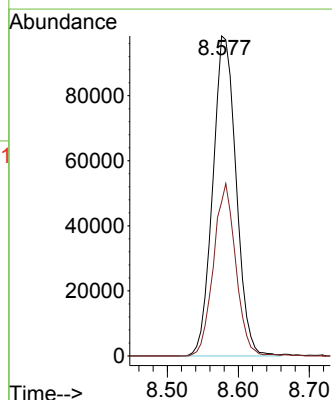
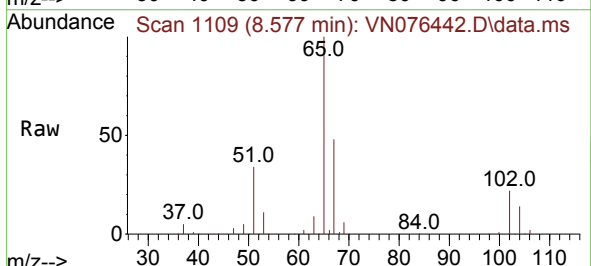
RT: 8.577 min Scan# 1109

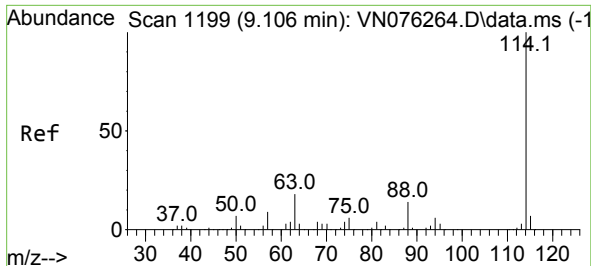
Delta R.T. -0.005 min

Lab File: VN076442.D

Acq: 27 Jan 2023 16:22

Tgt Ion:	65	Resp:	224486
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

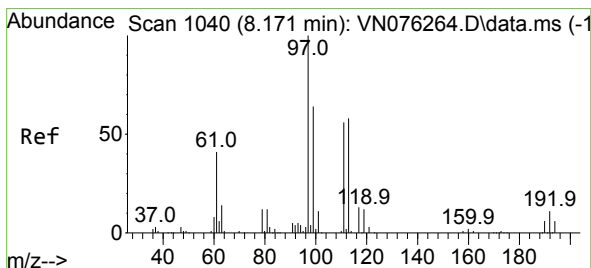
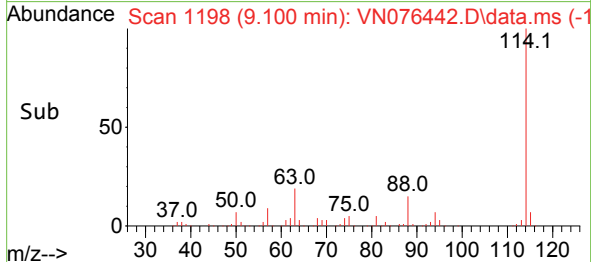
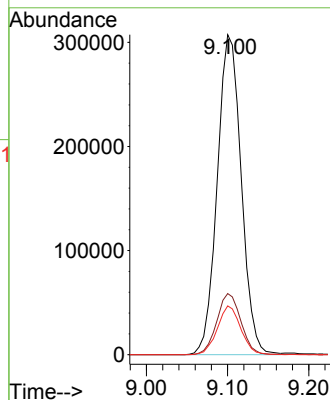
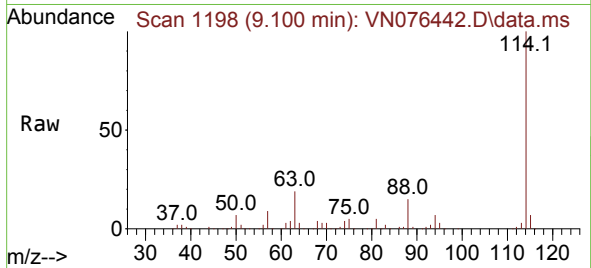




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

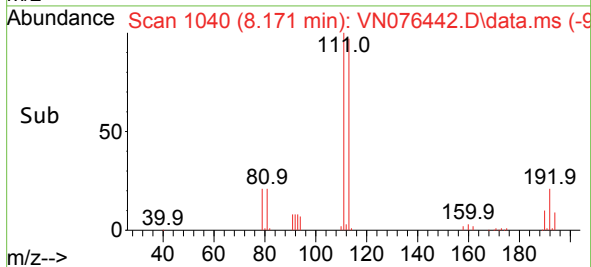
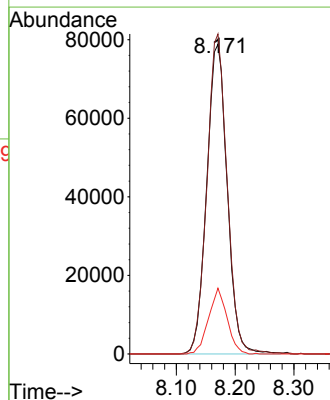
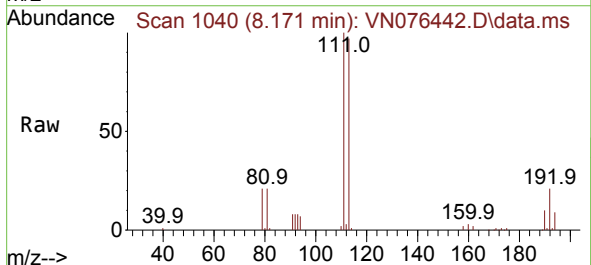
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MSVOA_N
ClientSampleId :
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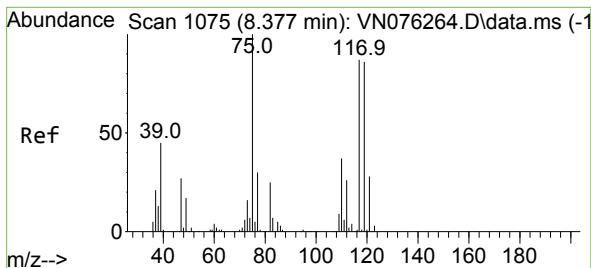
Tgt Ion:114 Resp: 631851
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.8
88 15.2 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.306 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion:113 Resp: 190929
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 19.1 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.591 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076442.D

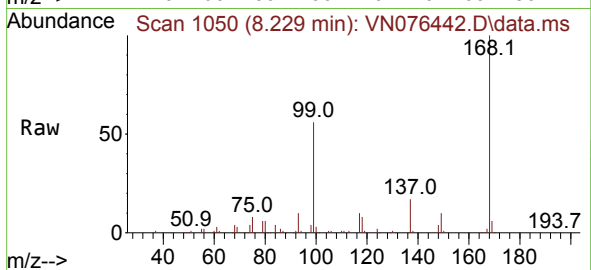
Acq: 27 Jan 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-8-BORING-2-21-28-GRAB-4



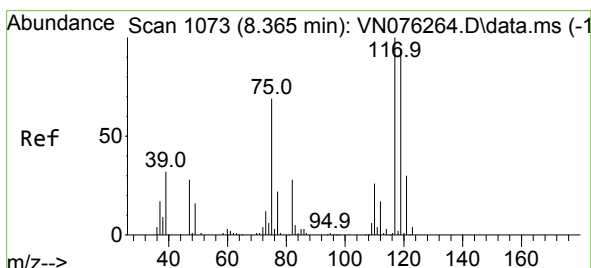
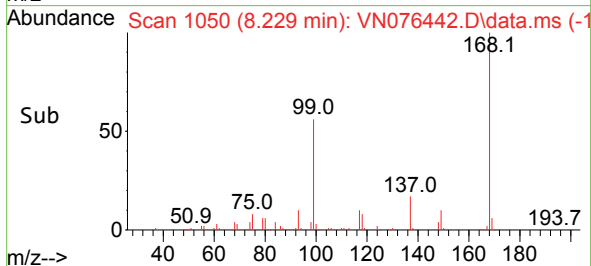
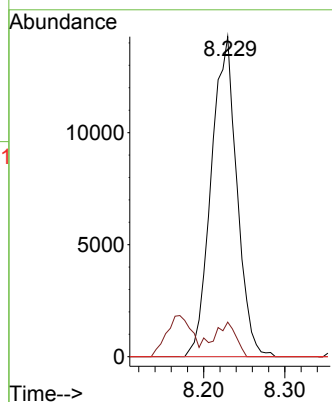
Tgt Ion: 75 Resp: 31399

Ion Ratio Lower Upper

75 100

110 8.0 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.753 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN076442.D

Acq: 27 Jan 2023 16:22

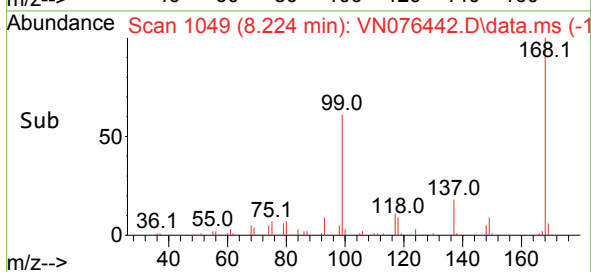
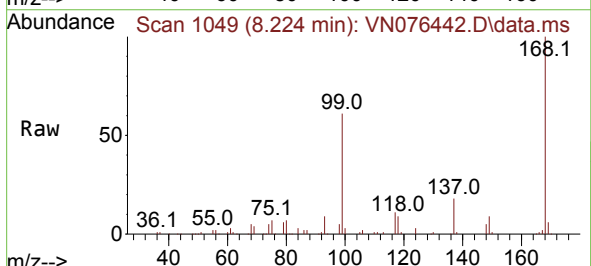
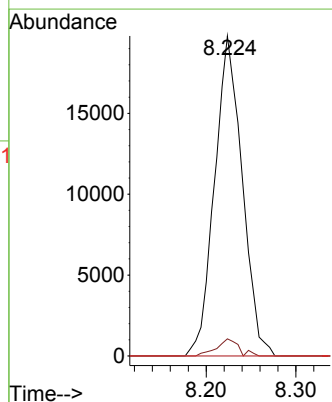
Tgt Ion: 117 Resp: 42298

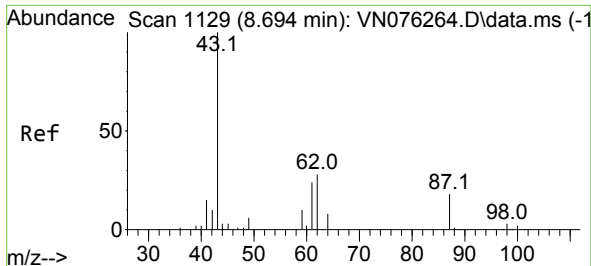
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

121 0.0 24.2 36.2#

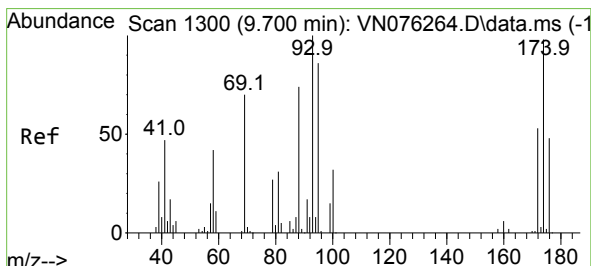
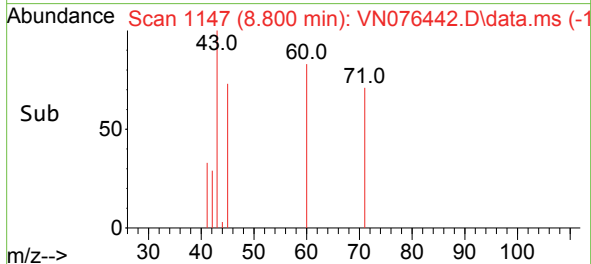
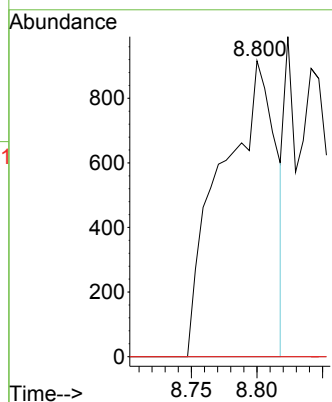
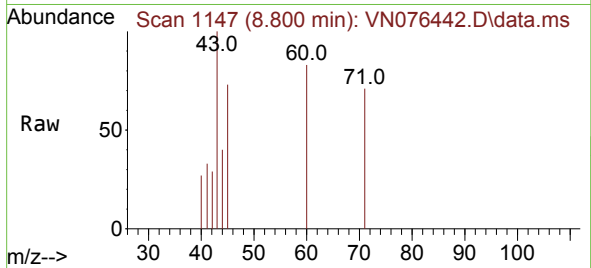




#43
Isopropyl Acetate
Concen: 0.358 ug/l
RT: 8.800 min Scan# 1129
Delta R.T. 0.106 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

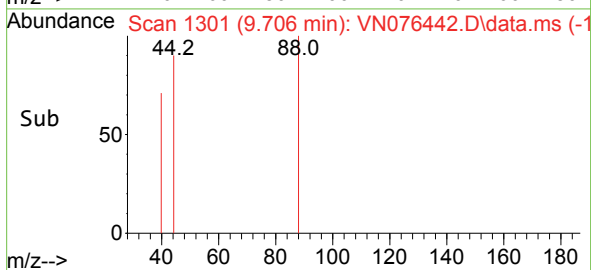
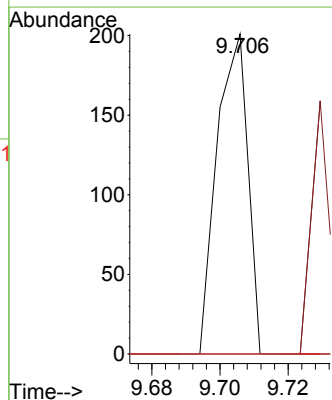
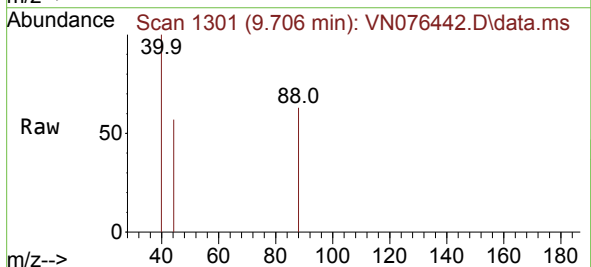
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-8-BORING-2-21-28-GRAB-4

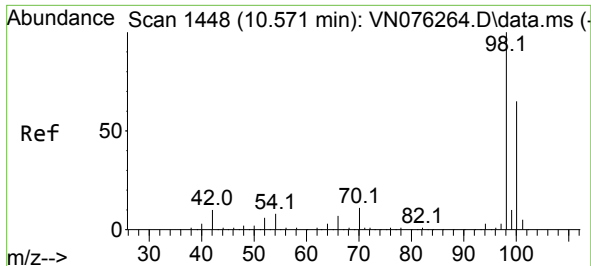
Tgt Ion: 43 Resp: 2624
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#49
1,4-Dioxane
Concen: 1.721 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
43 0.0 18.1 27.1#
58 0.0 46.5 69.7#

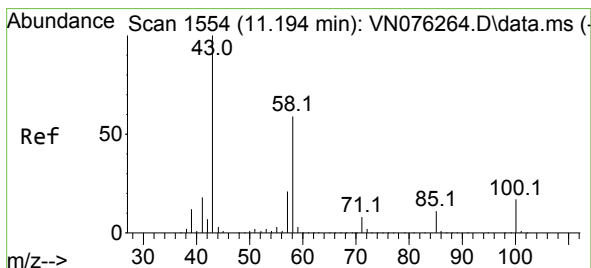
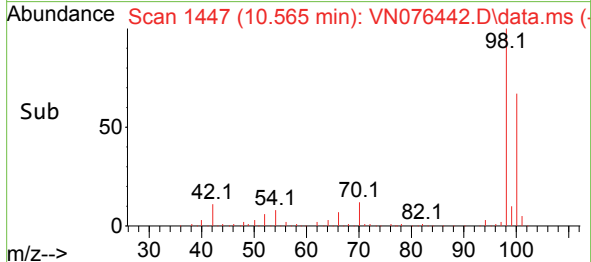
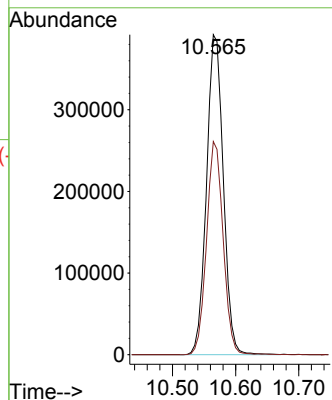
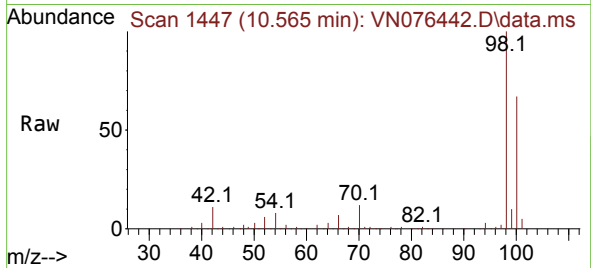




#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.565 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

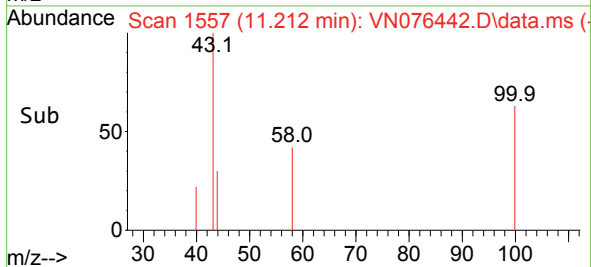
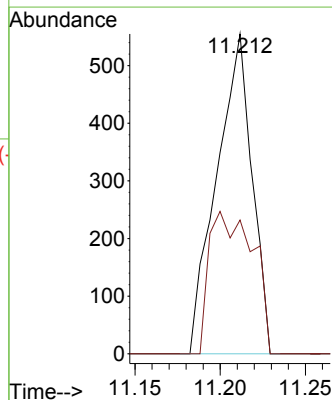
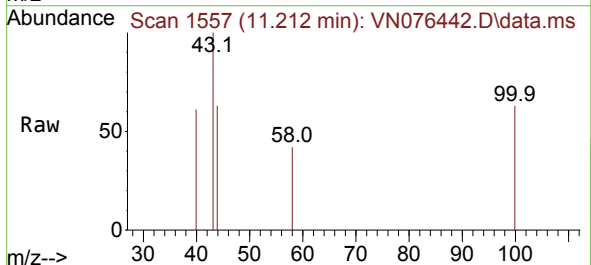
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-8-BORING-2-21-28-GRAB-4

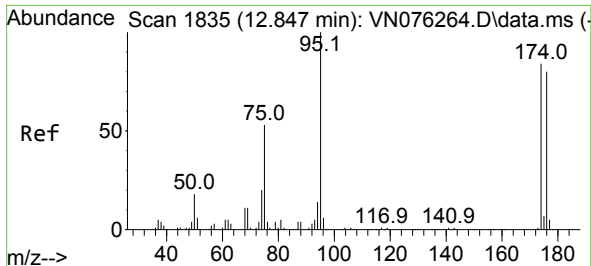
Tgt Ion: 98 Resp: 722546
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#59
2-Hexanone
Concen: 0.256 ug/l
RT: 11.212 min Scan# 1557
Delta R.T. 0.018 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
58 55.3 30.1 90.3

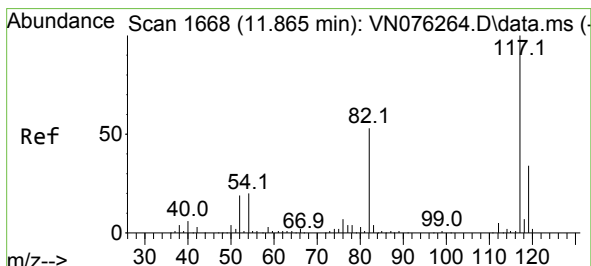
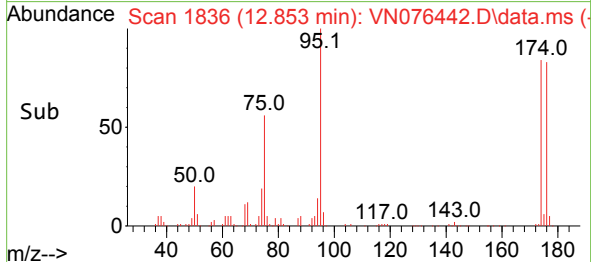
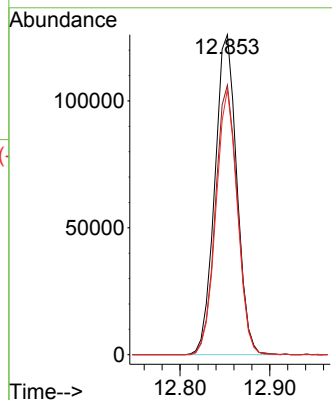
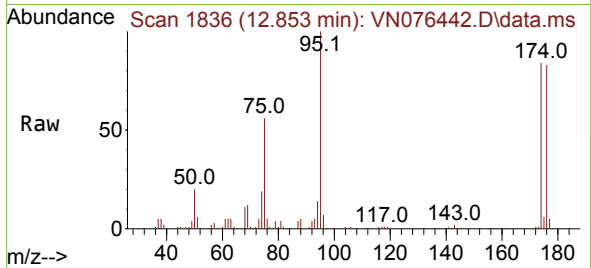




#62
4-Bromofluorobenzene
Concen: 45.031 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

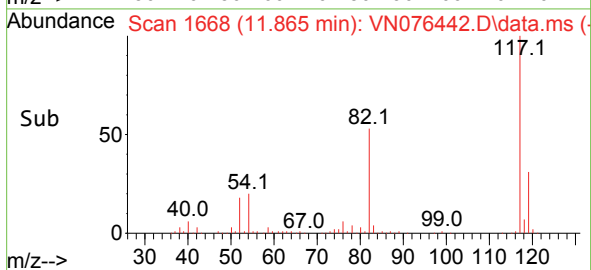
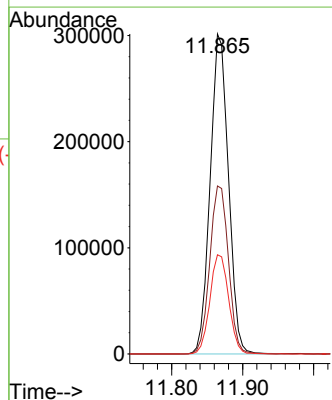
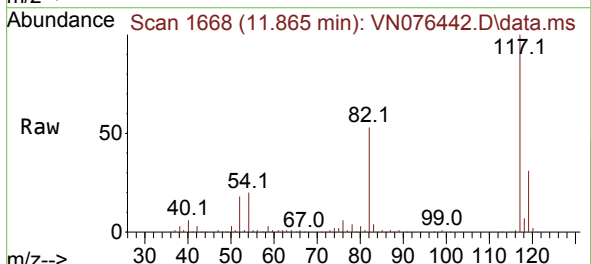
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-8-BORING-2-21-28-GRAB-4

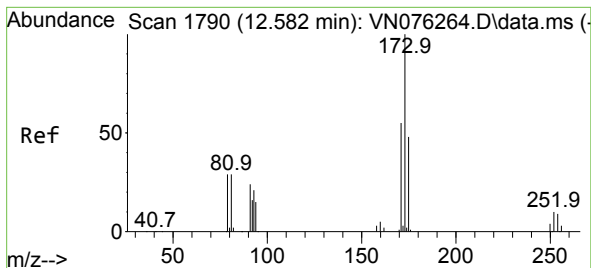
Tgt Ion: 95 Resp: 214586
Ion Ratio Lower Upper
95 100
174 84.7 0.0 174.6
176 80.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion: 117 Resp: 537867
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.2
119 31.0 26.9 40.3





#71

Bromoform

Concen: 0.546 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076442.D

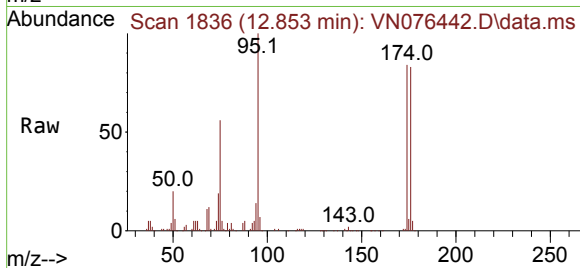
Acq: 27 Jan 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-8-BORING-2-21-28-GRAB-4



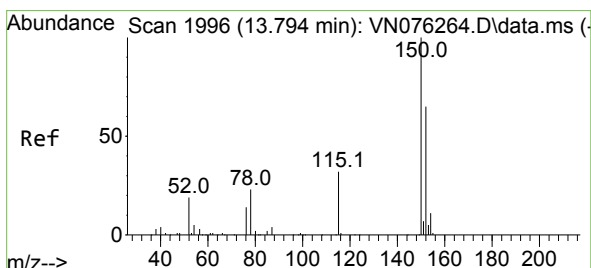
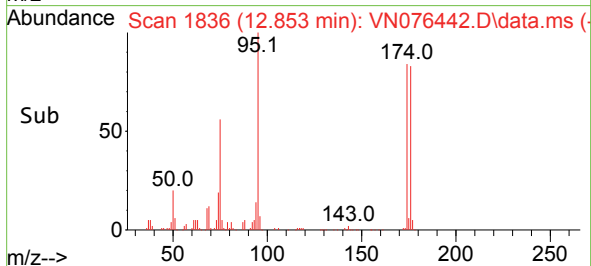
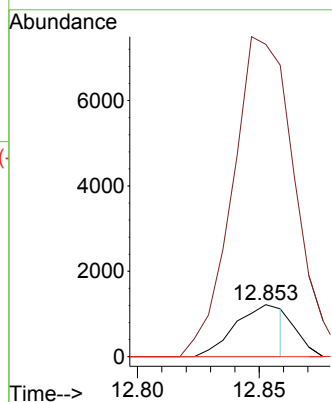
Tgt Ion:173 Resp: 1669

Ion Ratio Lower Upper

173 100

175 640.0 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: VN076442.D

Acq: 27 Jan 2023 16:22

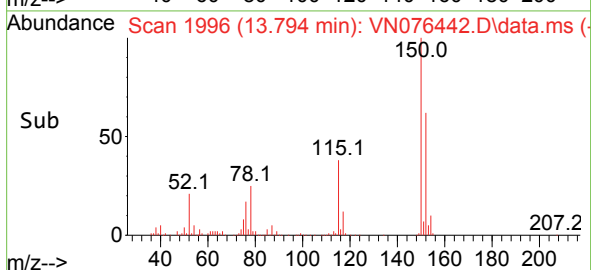
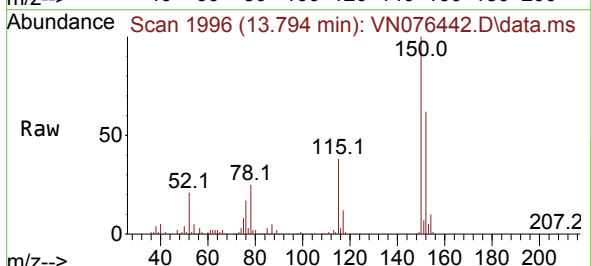
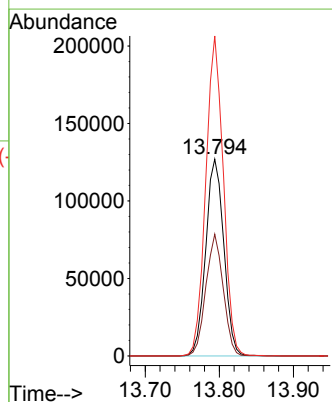
Tgt Ion:152 Resp: 215390

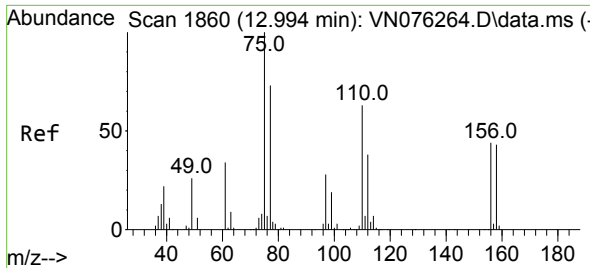
Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.9

150 157.5 0.0 351.4

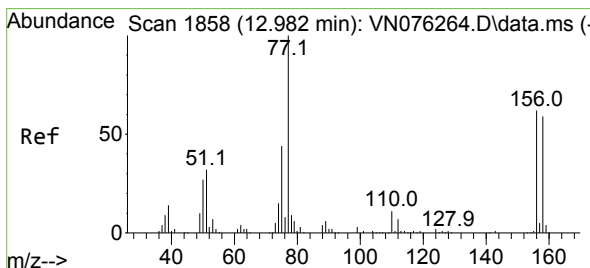
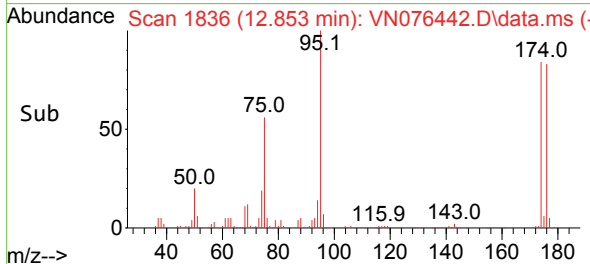
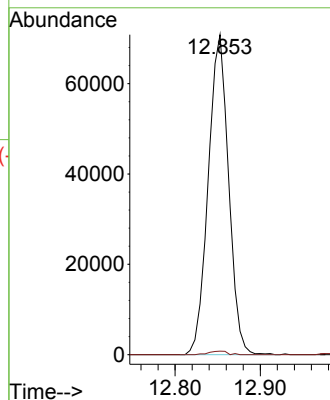
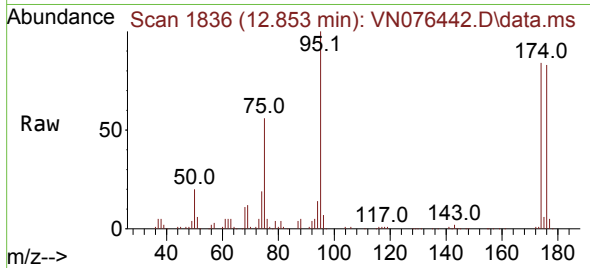




#76
1,2,3-Trichloropropane
Concen: 29.592 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

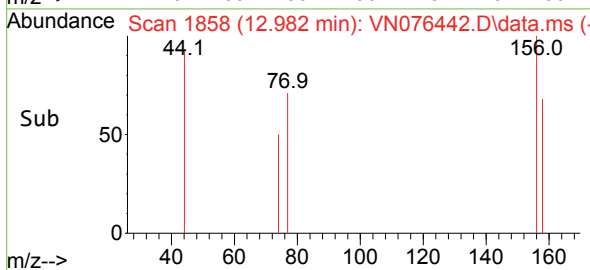
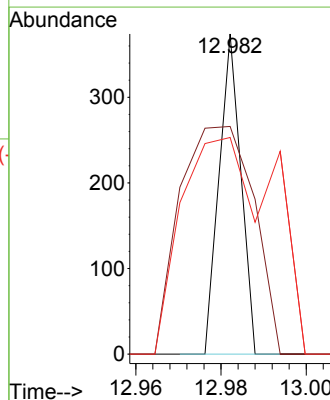
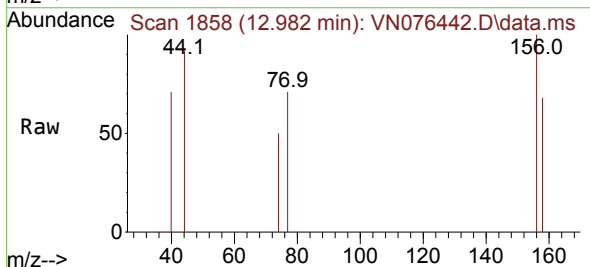
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-8-BORING-2-21-28-GRAB-4

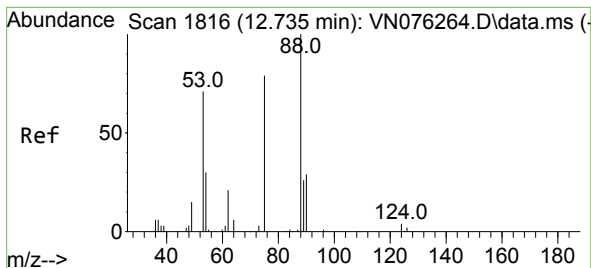
Tgt Ion: 75 Resp: 117634
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion:156 Resp: 132
Ion Ratio Lower Upper
156 100
77 242.4 93.4 280.2
158 285.6 48.4 145.2#

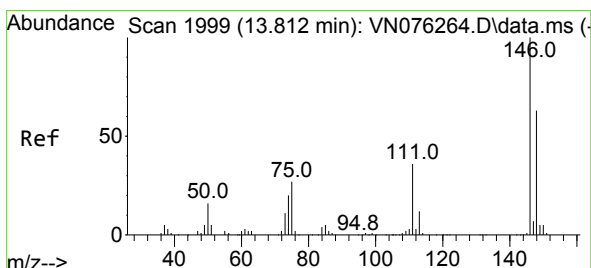
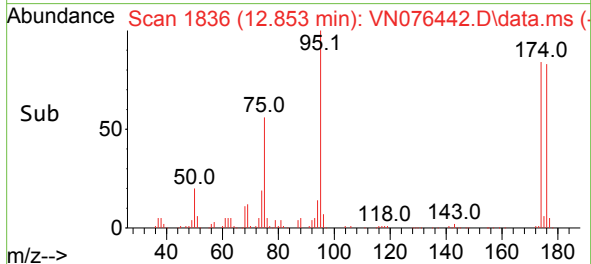
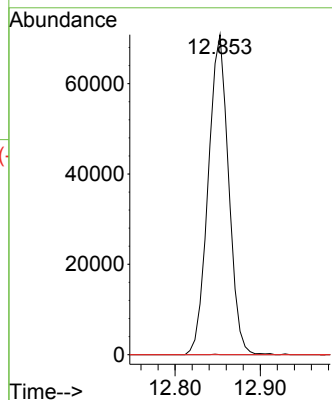
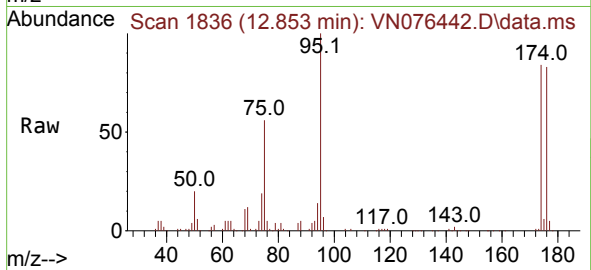




#81
trans-1,4-Dichloro-2-butene
Concen: 90.869 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

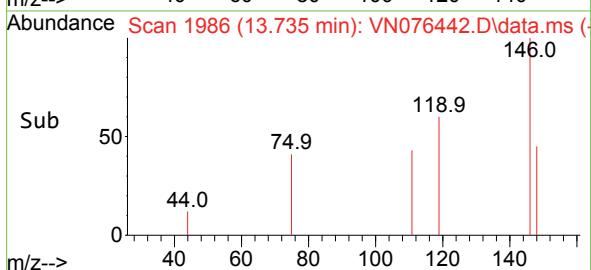
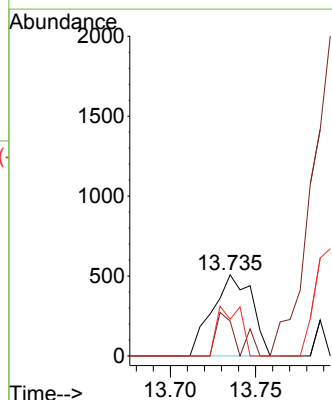
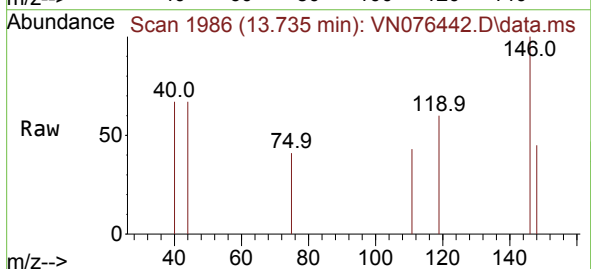
Instrument : MSVOA_N
ClientSampleId : TOTAL-VOC-8-BORING-2-21-28-GRAB-4

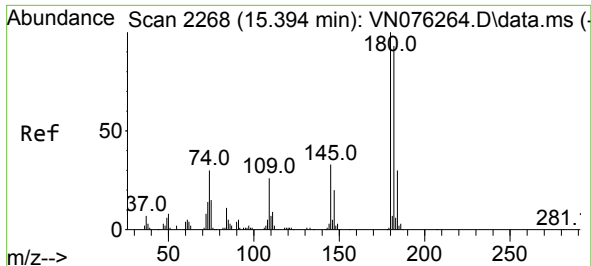
Tgt Ion: 75 Resp: 117634
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.077 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion:146 Resp: 820
Ion Ratio Lower Upper
146 100
111 28.4 19.1 57.5
148 36.5 31.9 95.9

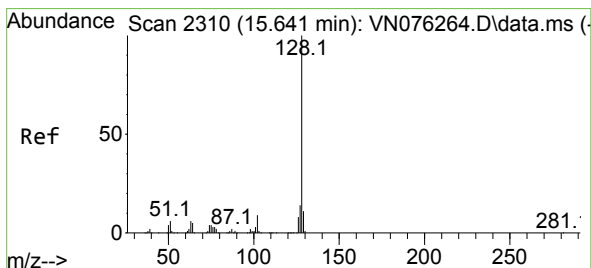
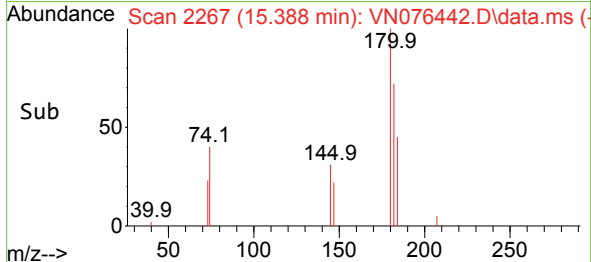
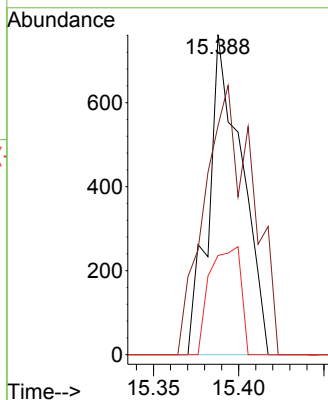
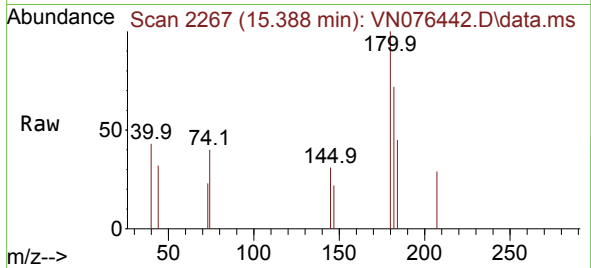




#93
1,2,4-Trichlorobenzene
Concen: 1.570 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

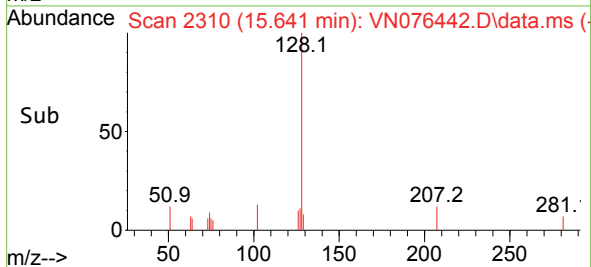
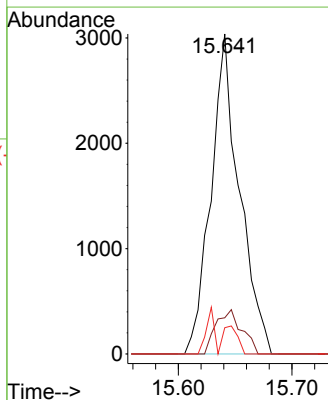
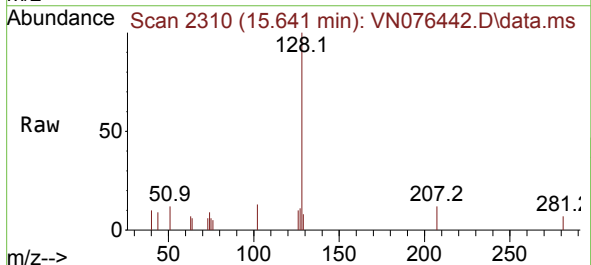
Instrument :
MSVOA_N
ClientSampleId :
TOTAL-VOC-8-BORING-2-21-28-GRAB-4

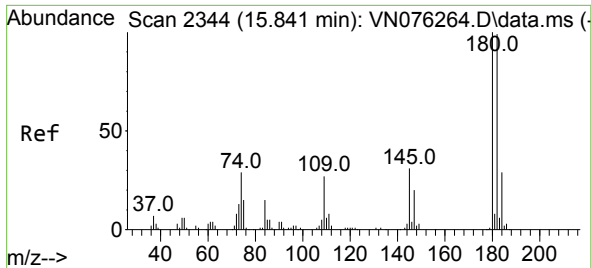
Tgt Ion	Ratio	Lower	Upper
180	100		
182	121.6	47.0	141.2
145	31.6	15.2	45.5



#95
Naphthalene
Concen: 2.294 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076442.D
Acq: 27 Jan 2023 16:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	4.5	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.512 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076442.D

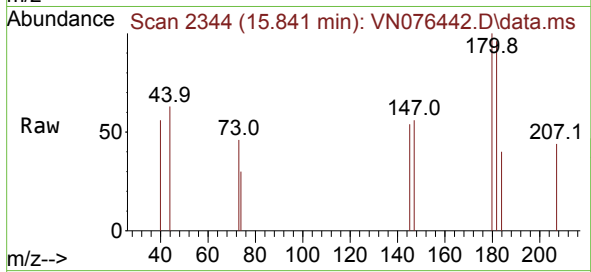
Acq: 27 Jan 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

TOTAL-VOC-8-BORING-2-21-28-GRAB-4



Tgt Ion:180 Resp: 1319

Ion Ratio Lower Upper

180 100

182 89.7 47.5 142.5

145 25.2 15.9 47.6

