

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078210.D
 Acq On : 14 Jun 2023 16:57
 Operator : JC\MD
 Sample : 03157-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-622-VOC-01

Quant Time: Jun 15 02:46:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

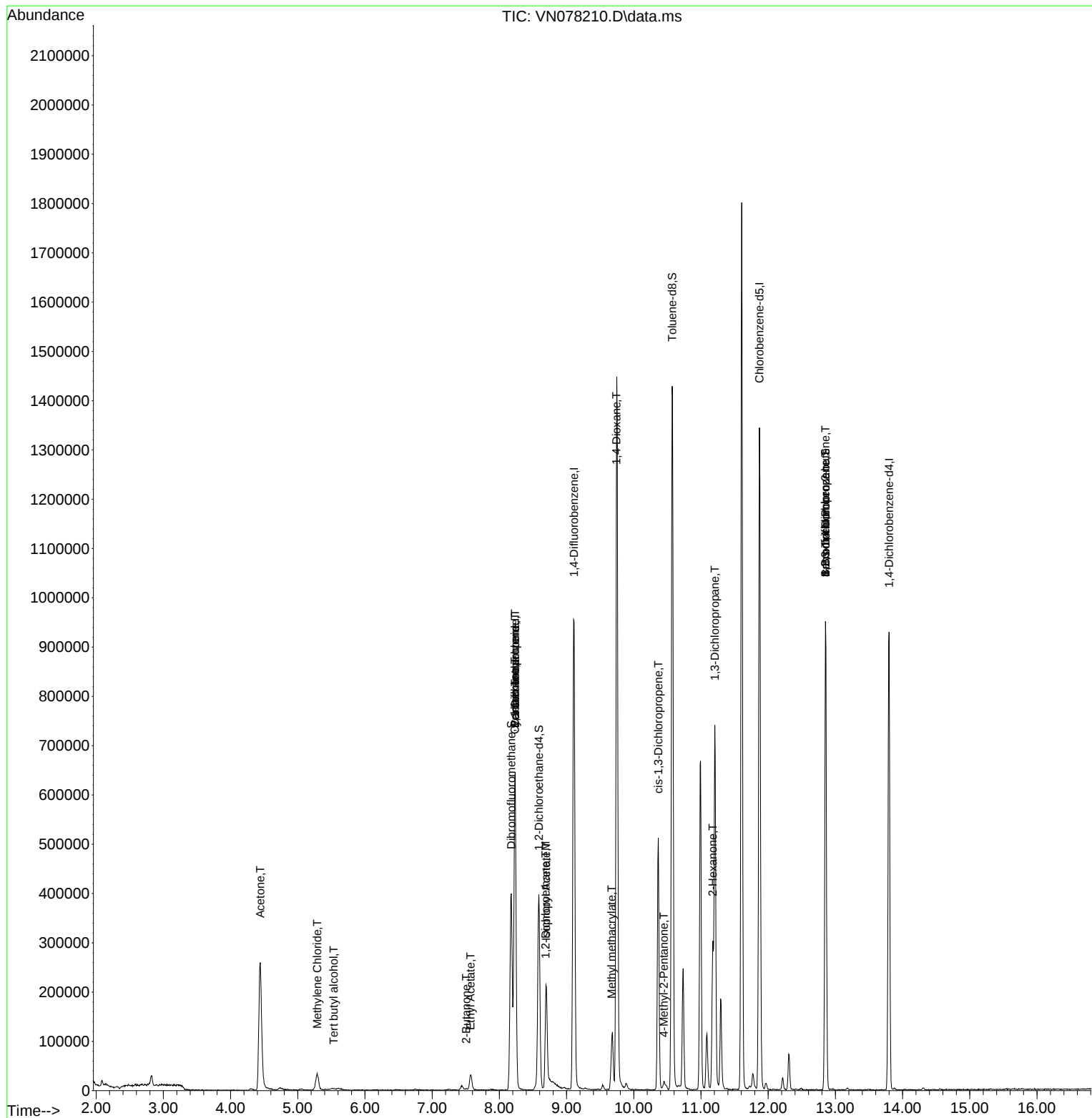
Internal Standards						
1) Pentafluorobenzene	8.236	168	467034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	876554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	798423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	326793	52.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.960%			
35) Dibromofluoromethane	8.177	113	292100	52.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.400%			
50) Toluene-d8	10.571	98	1049836	49.135	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.280%			
62) 4-Bromofluorobenzene	12.853	95	333793	50.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.500%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	816	Below Cal	#	42
11) Tert butyl alcohol	5.536	59	456	0.530	ug/l #	72
16) Acetone	4.442	43	481481	268.630	ug/l	99
20) Methylene Chloride	5.289	84	27180	4.589	ug/l #	84
25) 2-Butanone	7.506	43	4310	1.564	ug/l #	66
31) Cyclohexane	8.230	56	12207	1.528	ug/l #	54
36) 1,1-Dichloropropene	8.236	75	40512	5.096	ug/l #	48
37) Ethyl Acetate	7.571	43	47030	7.573	ug/l	97
38) Carbon Tetrachloride	8.236	117	51825	6.174	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	2060	0.253	ug/l #	73
43) Isopropyl Acetate	8.694	43	254444	21.423	ug/l #	81
48) Methyl methacrylate	9.671	41	6598	1.324	ug/l #	34
49) 1,4-Dioxane	9.741	88	72	0.687	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10250	1.639	ug/l	89
54) cis-1,3-Dichloropropene	10.365	75	89939	9.670	ug/l #	69
57) 1,3-Dichloropropane	11.206	76	9149	0.956	ug/l #	42
59) 2-Hexanone	11.177	43	310532	71.307	ug/l #	19
71) Bromoform	12.853	173	1879	0.463	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.871	83	69	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	178057	29.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	178057	89.522	ug/l #	15

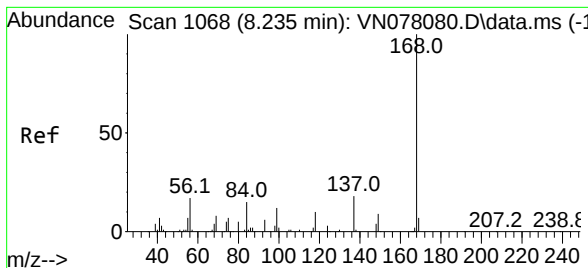
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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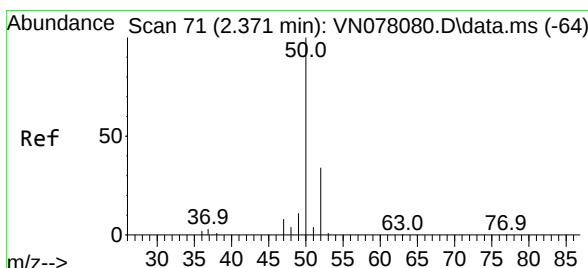
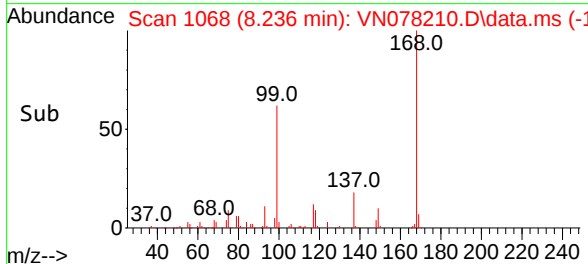
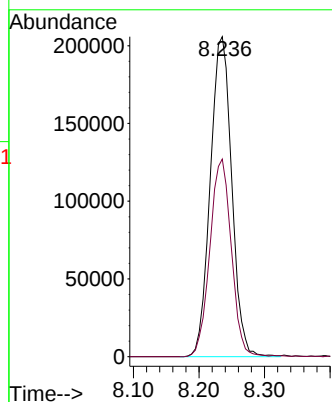
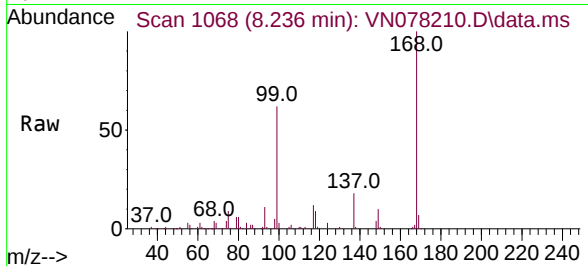




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

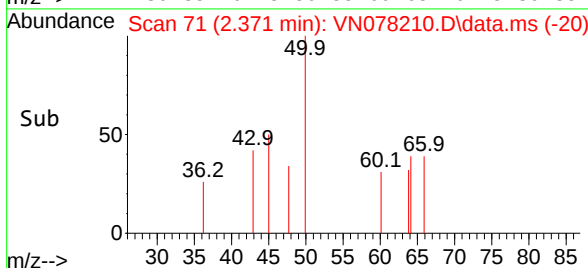
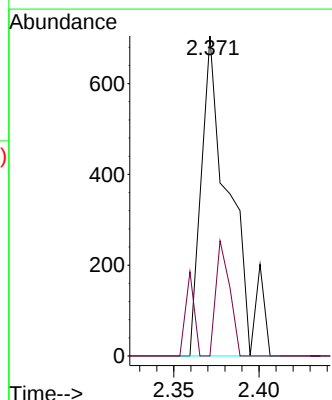
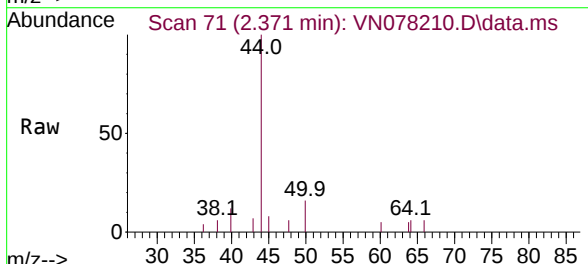
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

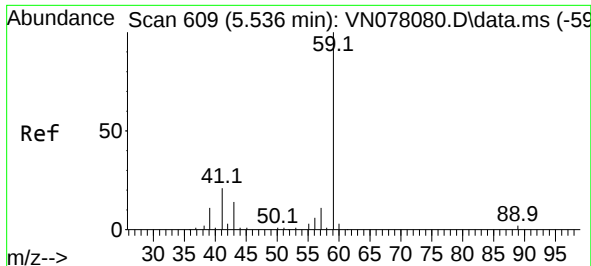
Tgt Ion:168 Resp: 467034
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 50 Resp: 816
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.530 ug/l

RT: 5.536 min Scan# 609

Delta R.T. 0.000 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

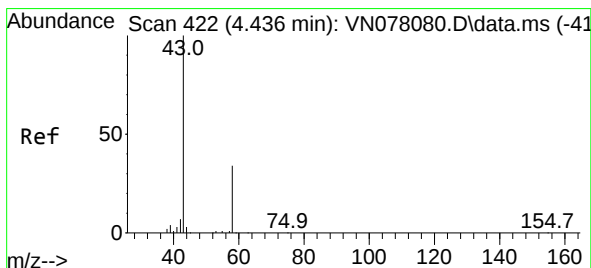
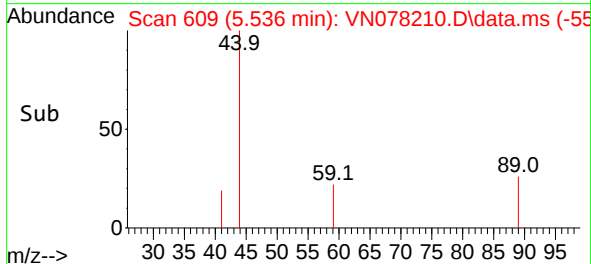
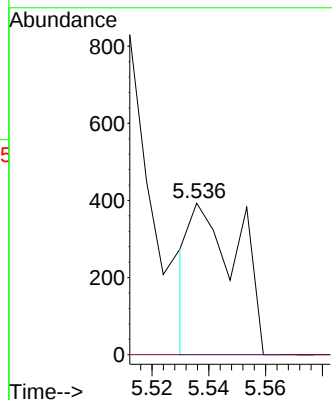
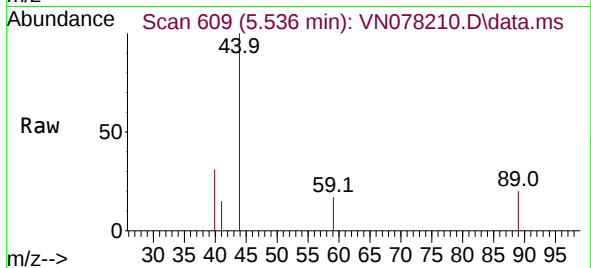
SU-622-VOC-01

Tgt Ion: 59 Resp: 456

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 268.630 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.006 min

Lab File: VN078210.D

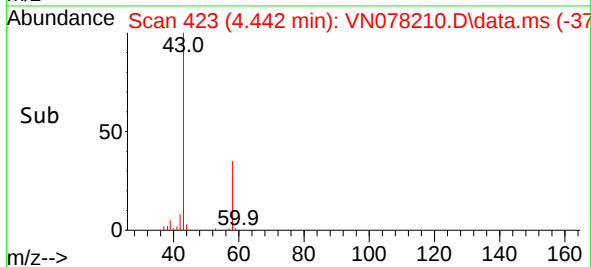
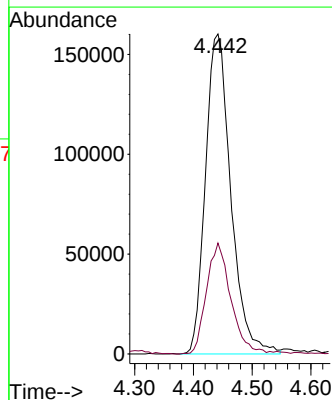
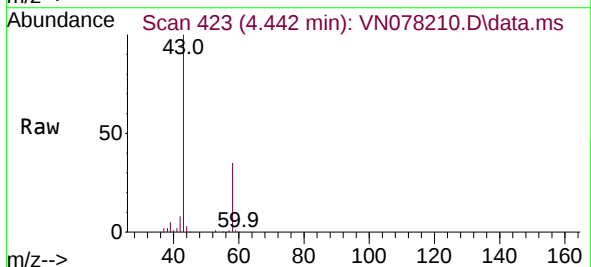
Acq: 14 Jun 2023 16:57

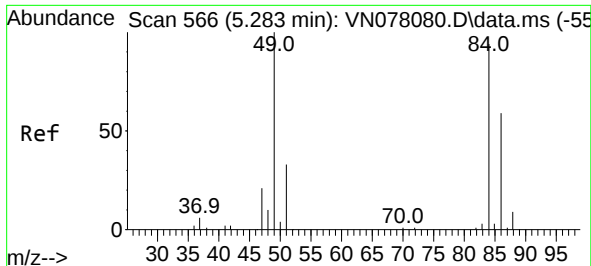
Tgt Ion: 43 Resp: 481481

Ion Ratio Lower Upper

43 100

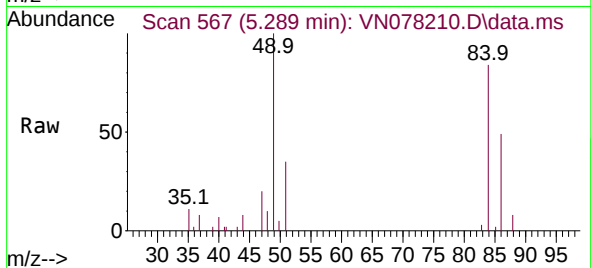
58 34.7 28.0 42.0



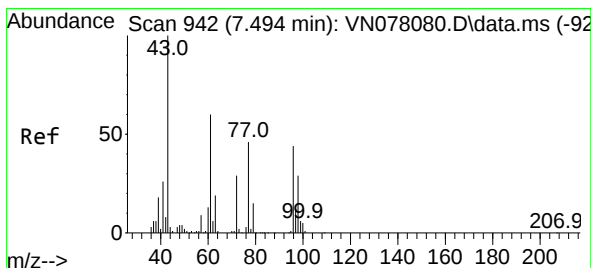
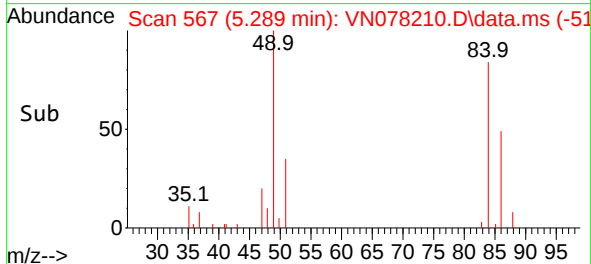
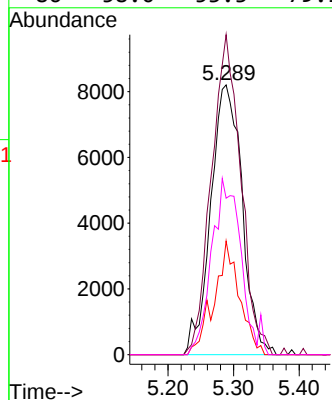


#20
Methylene Chloride
Concen: 4.589 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

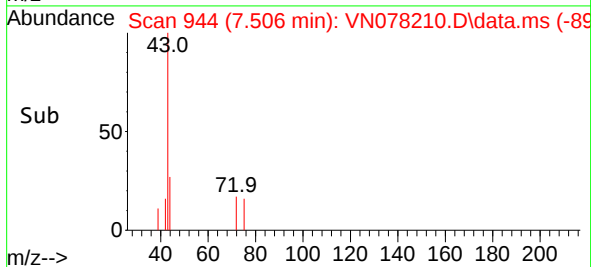
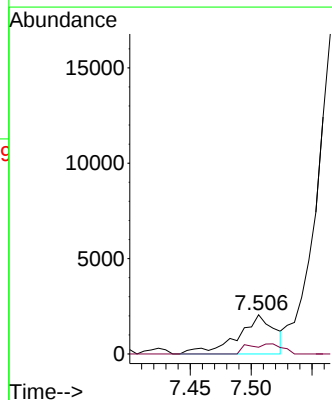
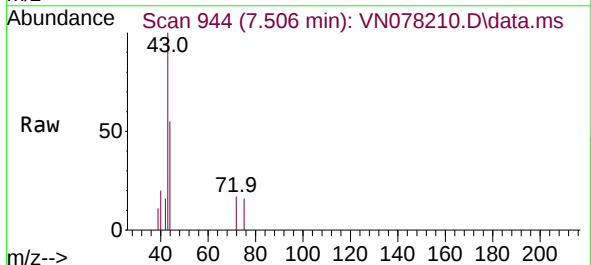


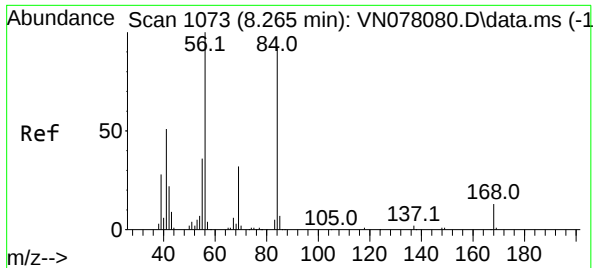
Tgt Ion:	84	Resp:	27180
Ion	Ratio	Lower	Upper
84	100		
49	118.6	79.7	119.5
51	42.1	25.2	37.8#
86	58.0	53.3	79.9



#25
2-Butanone
Concen: 1.564 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion:	43	Resp:	4310
Ion	Ratio	Lower	Upper
43	100		
72	17.2	30.2	45.2#

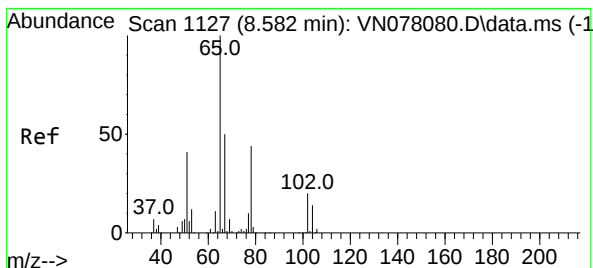
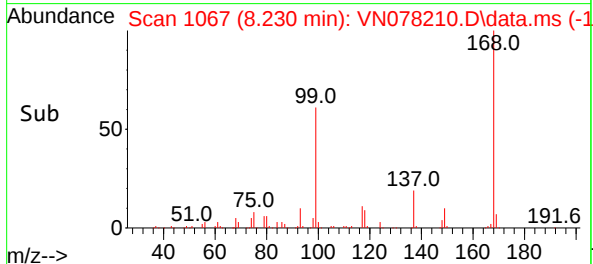
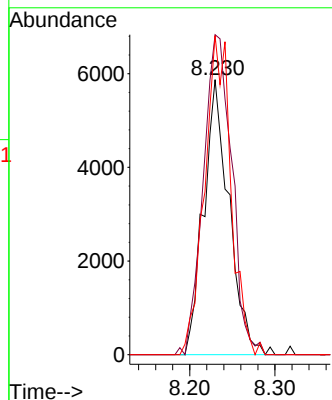
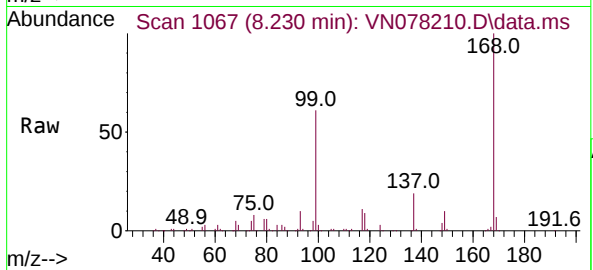




#31
Cyclohexane
Concen: 1.528 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.035 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

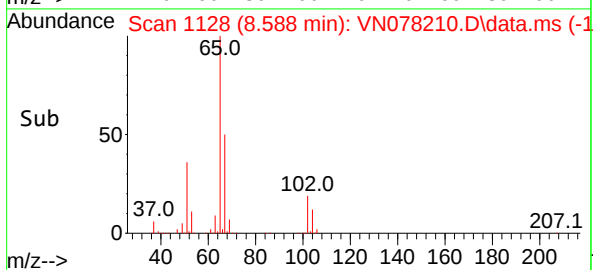
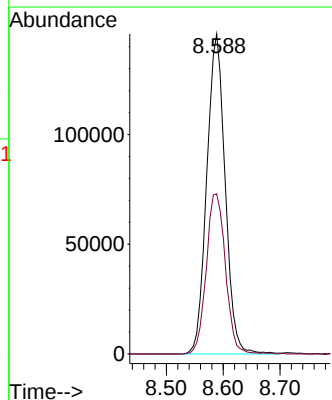
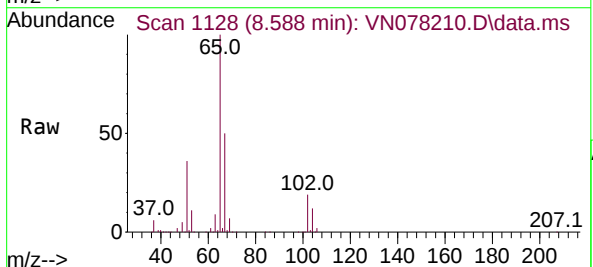
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

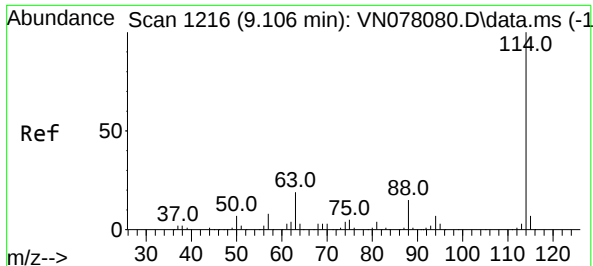
Tgt Ion: 56 Resp: 12207
Ion Ratio Lower Upper
56 100
69 116.3 26.8 40.2#
84 116.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 65 Resp: 326793
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

SU-622-VOC-01

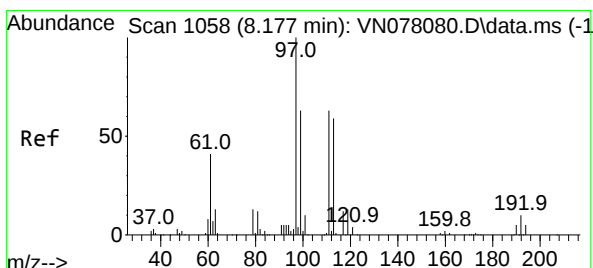
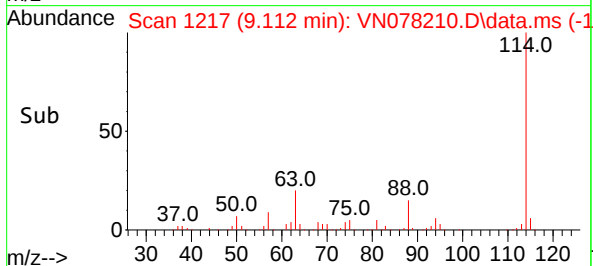
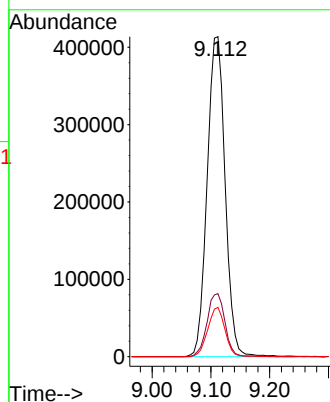
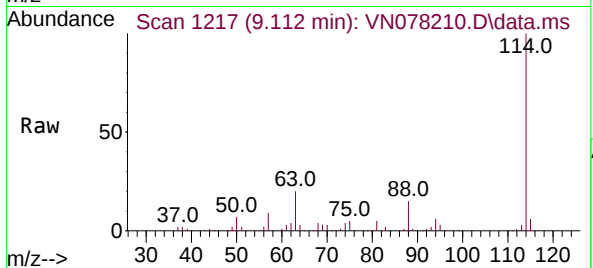
Tgt Ion:114 Resp: 876554

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.703 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

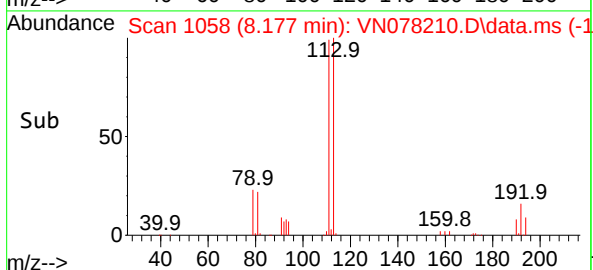
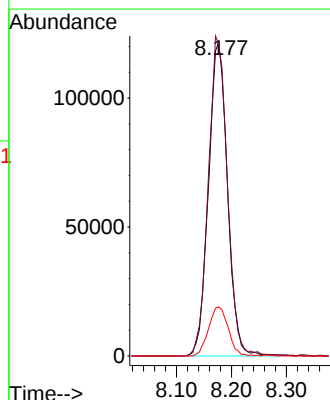
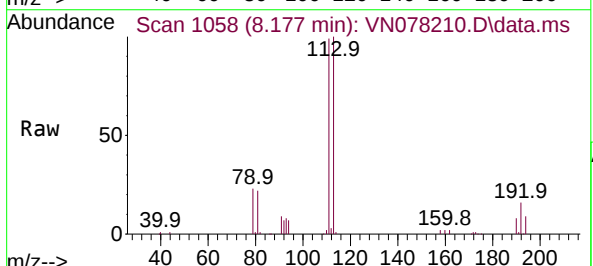
Tgt Ion:113 Resp: 292100

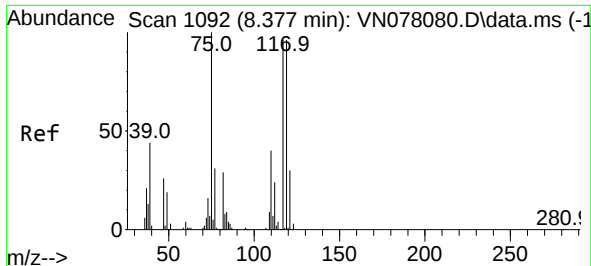
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 16.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.096 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

SU-622-VOC-01

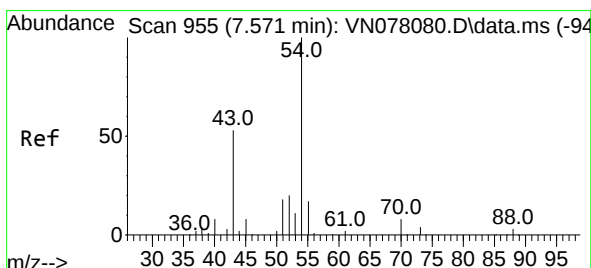
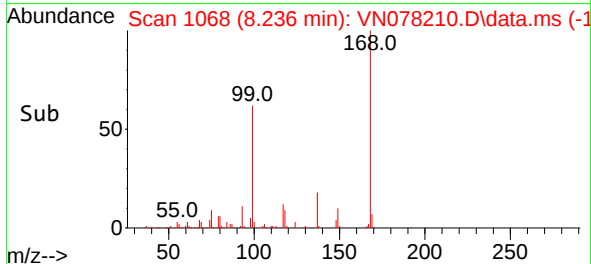
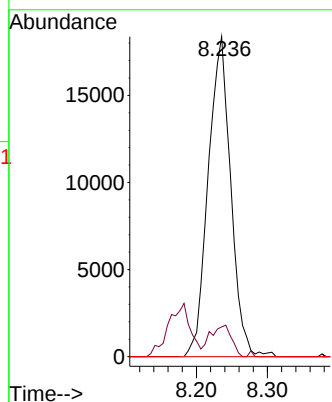
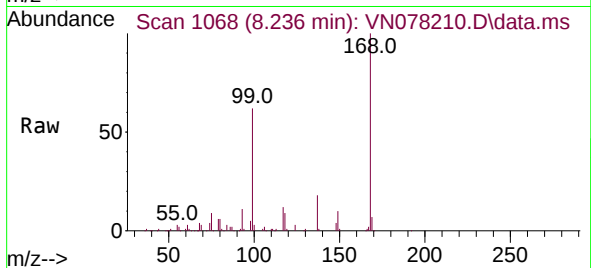
Tgt Ion: 75 Resp: 40512

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 7.573 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.000 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

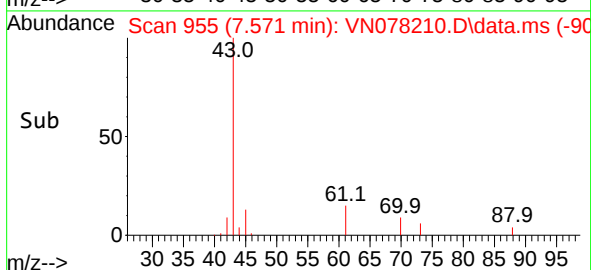
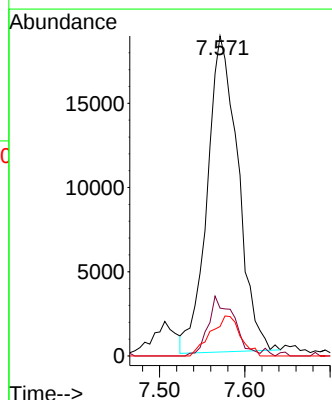
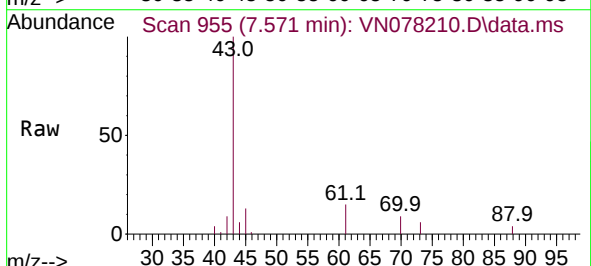
Tgt Ion: 43 Resp: 47030

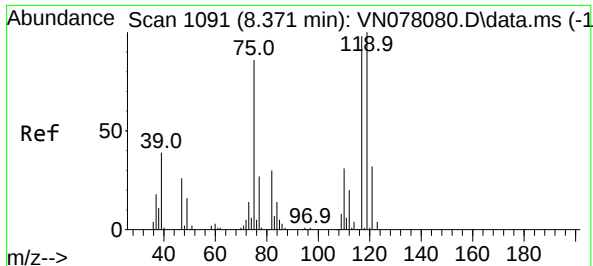
Ion Ratio Lower Upper

43 100

61 15.8 13.2 19.8

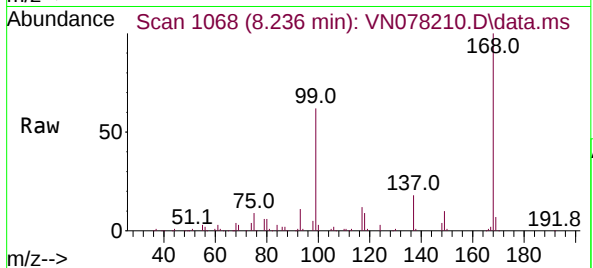
70 12.1 11.3 16.9



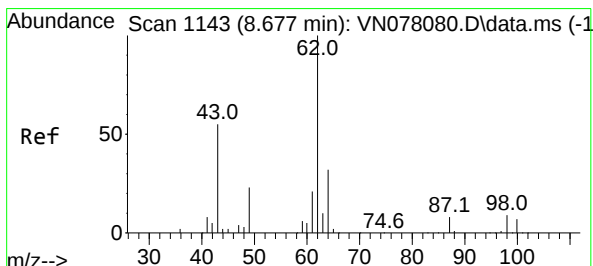
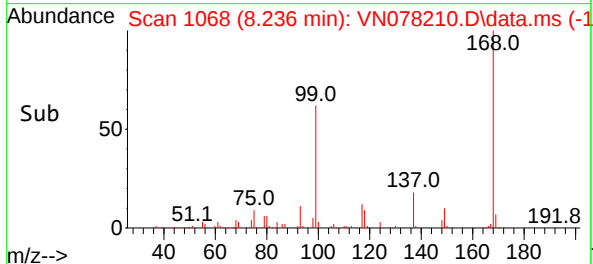
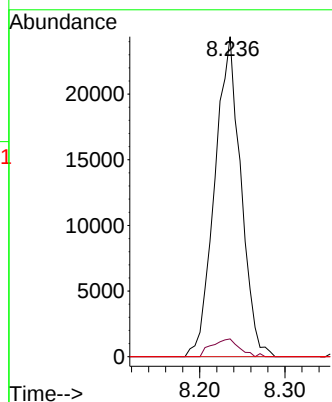


#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

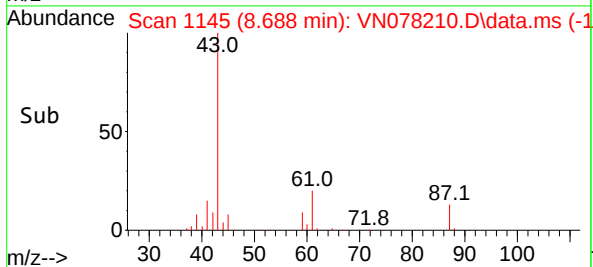
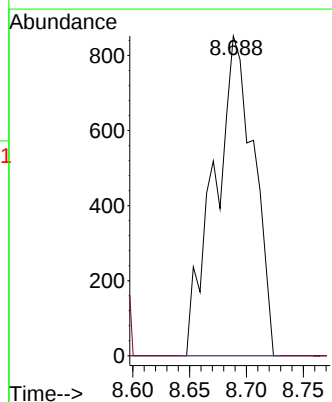
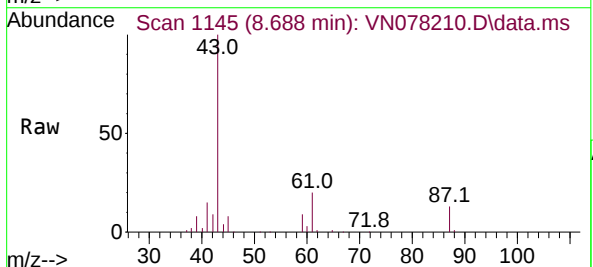


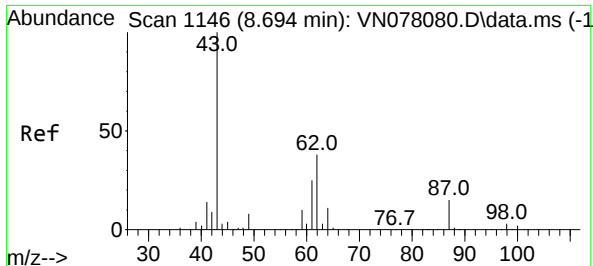
Tgt Ion:117 Resp: 51825
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 62 Resp: 2060
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

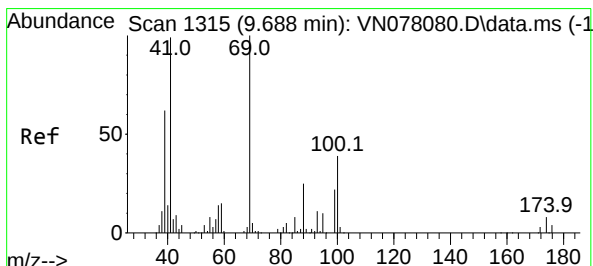
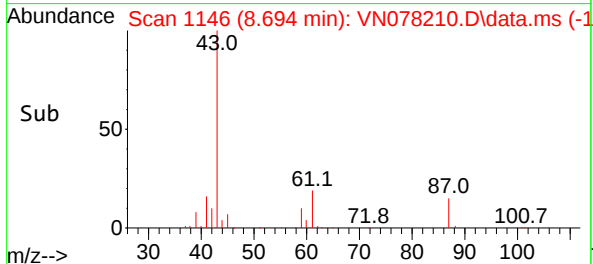
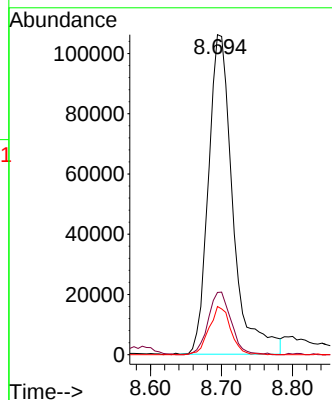
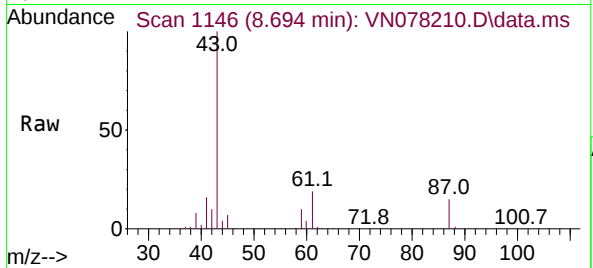




#43
Isopropyl Acetate
Concen: 21.423 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

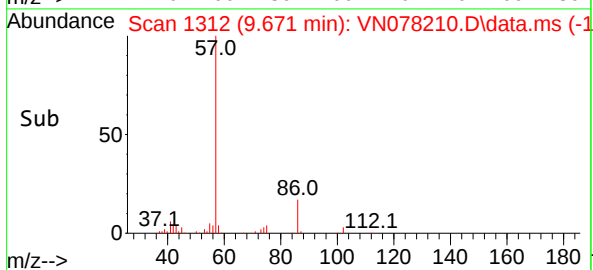
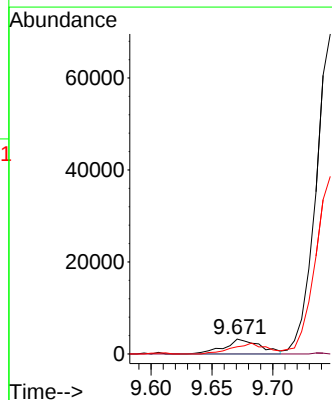
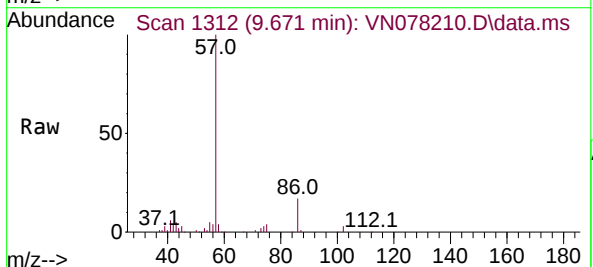
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

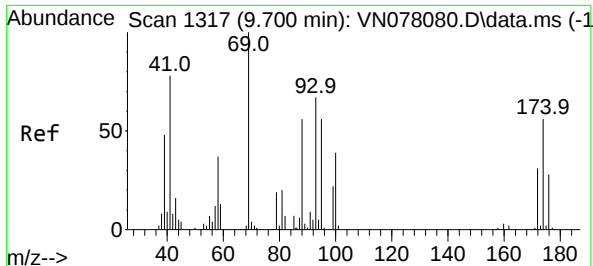
Tgt Ion: 43 Resp: 254444
Ion Ratio Lower Upper
43 100
61 18.3 24.7 37.1#
87 13.2 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.324 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 41 Resp: 6598
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 69.0 54.6 81.8





#49

1,4-Dioxane

Concen: 0.687 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

SU-622-VOC-01

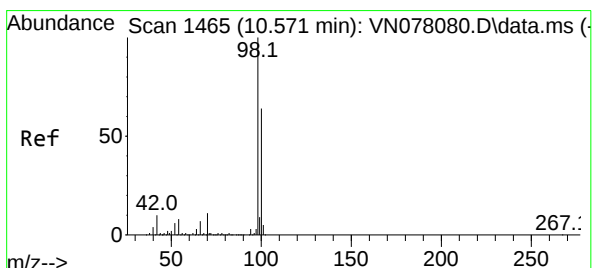
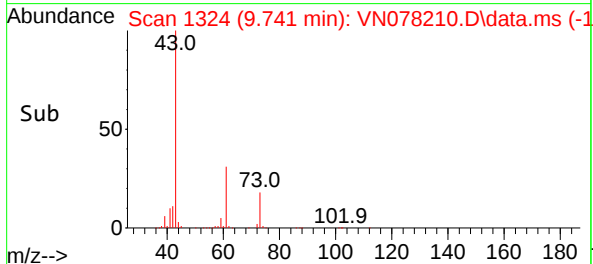
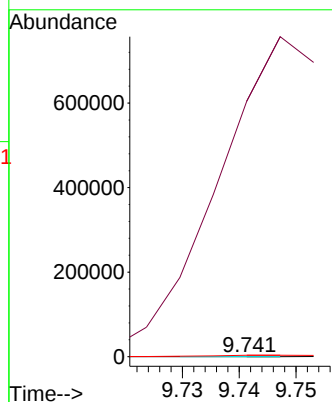
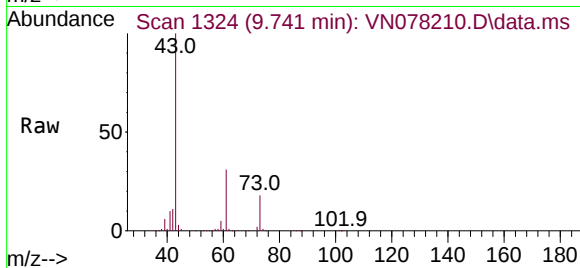
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 1883141.7 17.0 25.6#

58 9162.5 47.0 70.4#



#50

Toluene-d8

Concen: 49.135 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078210.D

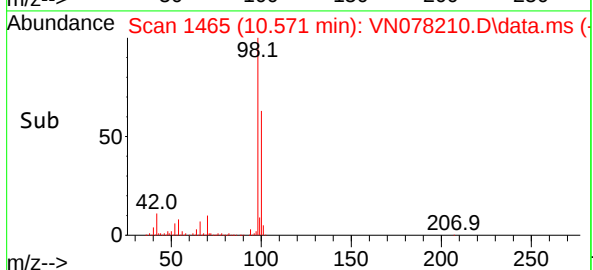
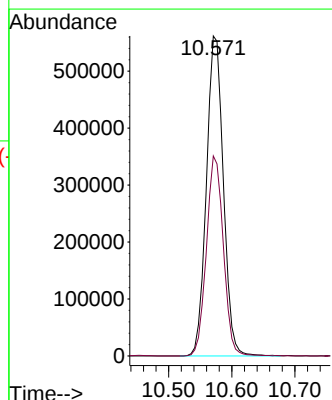
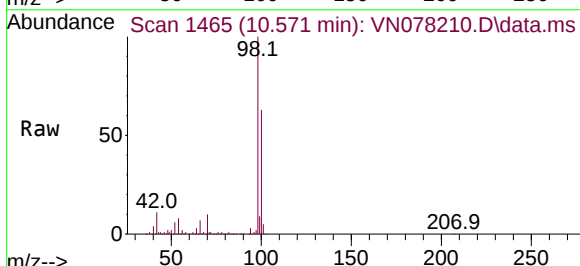
Acq: 14 Jun 2023 16:57

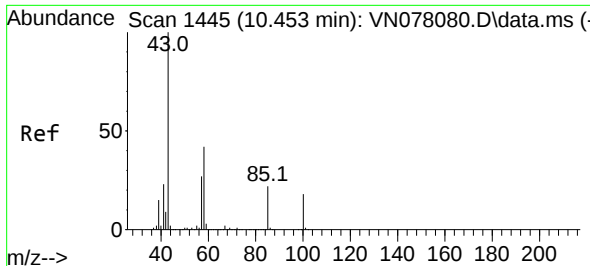
Tgt Ion: 98 Resp: 1049836

Ion Ratio Lower Upper

98 100

100 62.3 52.0 78.0

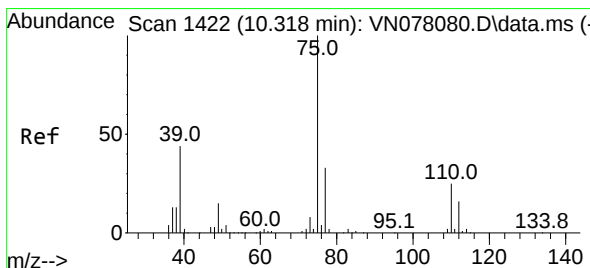
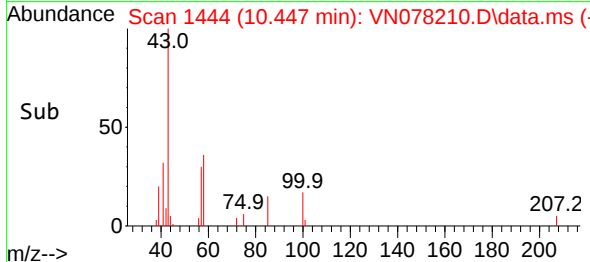
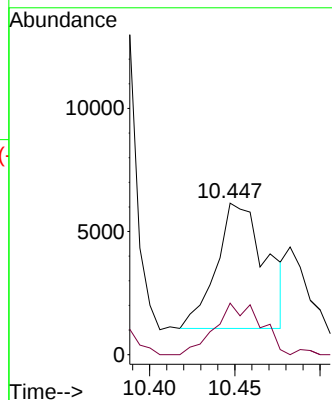
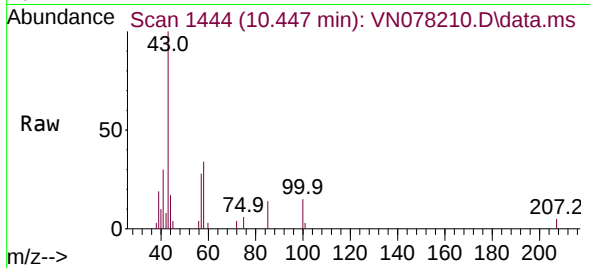




#51
4-Methyl-2-Pentanone
Concen: 1.639 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

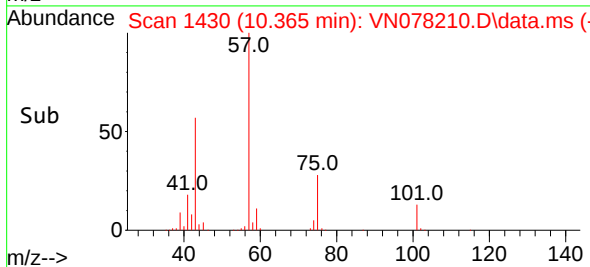
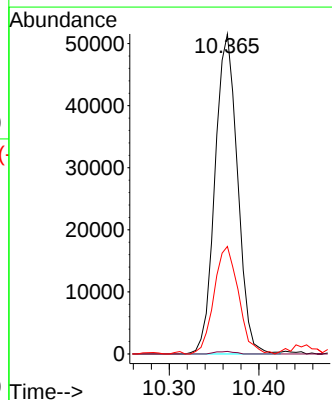
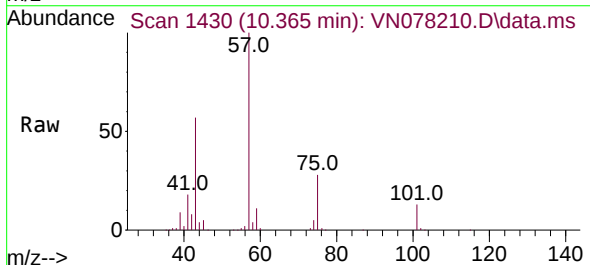
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

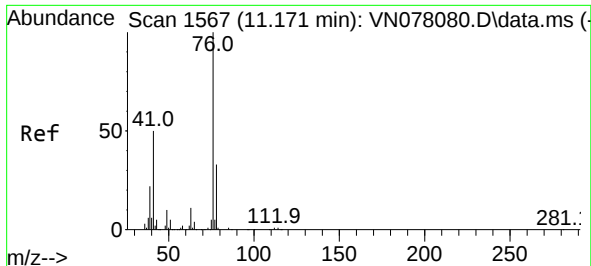
Tgt Ion: 43 Resp: 10250
Ion Ratio Lower Upper
43 100
58 38.4 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 9.670 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 75 Resp: 89939
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 32.9 31.6 47.4





#57

1,3-Dichloropropane

Concen: 0.956 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078210.D

Acq: 14 Jun 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :

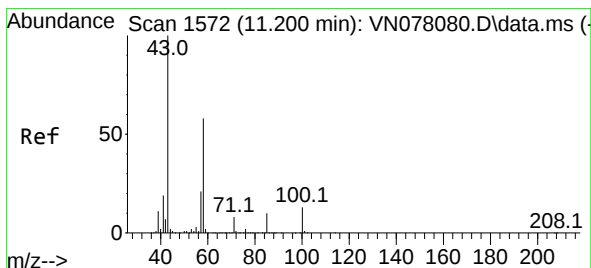
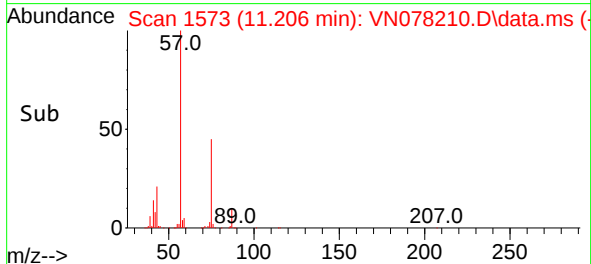
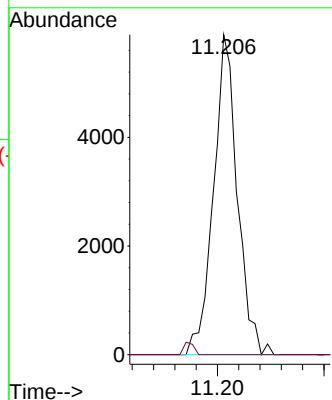
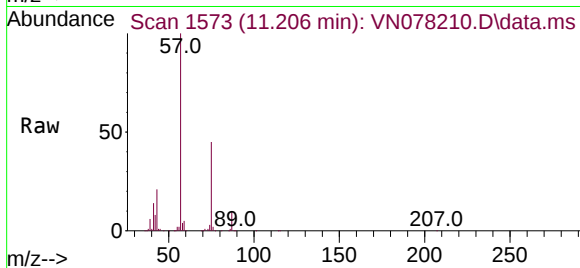
SU-622-VOC-01

Tgt Ion: 76 Resp: 9149

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 71.307 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078210.D

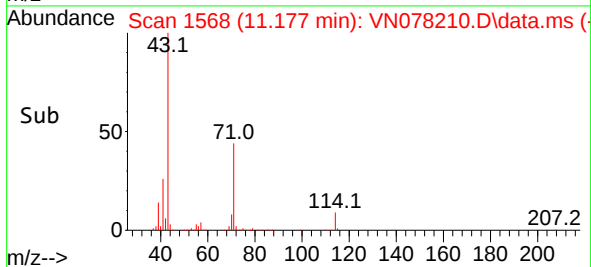
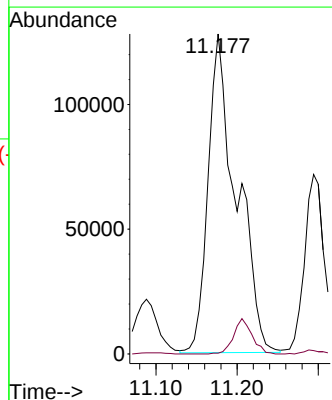
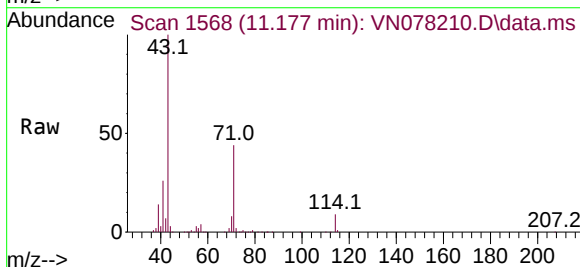
Acq: 14 Jun 2023 16:57

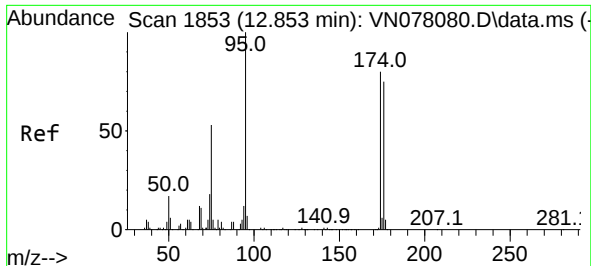
Tgt Ion: 43 Resp: 310532

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

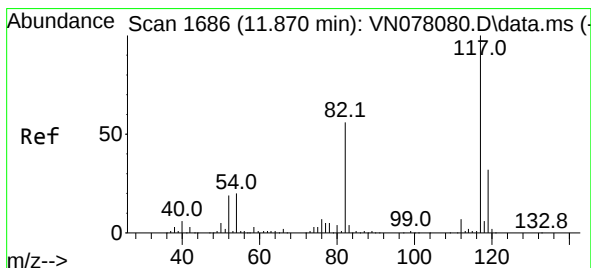
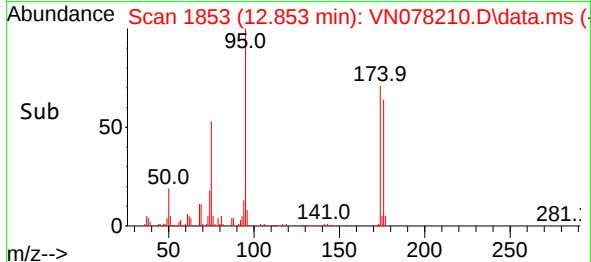
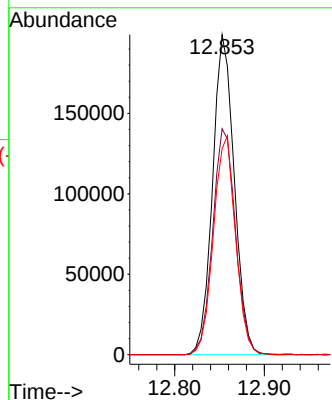
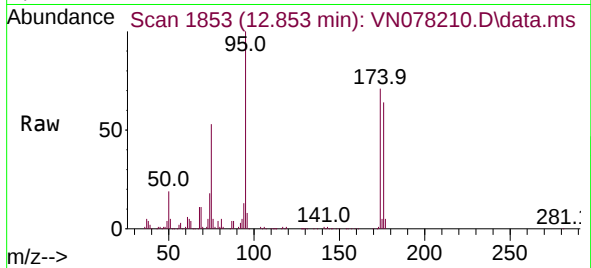




#62
4-Bromofluorobenzene
Concen: 50.253 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

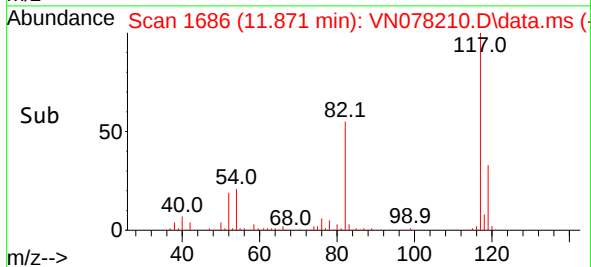
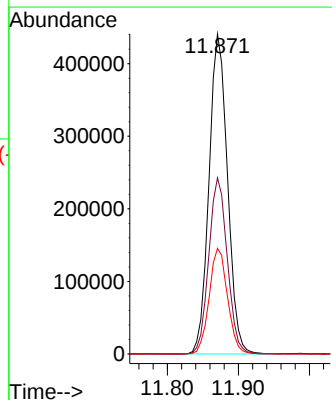
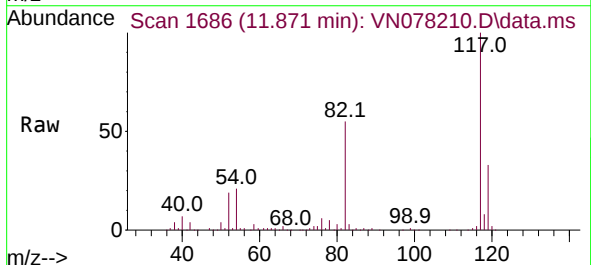
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

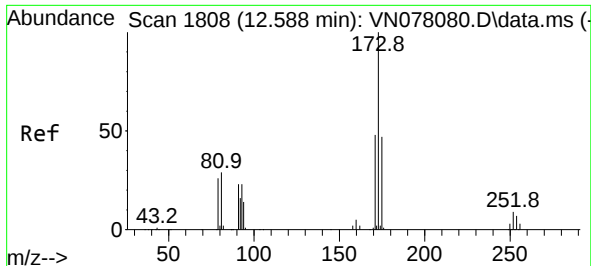
Tgt Ion: 95 Resp: 333793
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 69.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 117 Resp: 798423
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 33.0 25.6 38.4

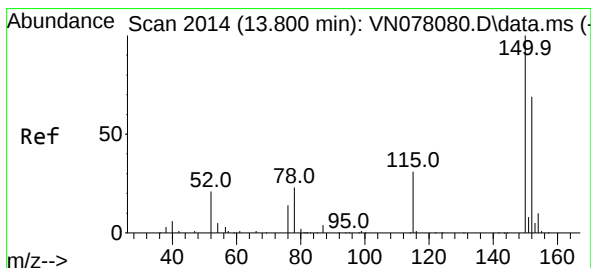
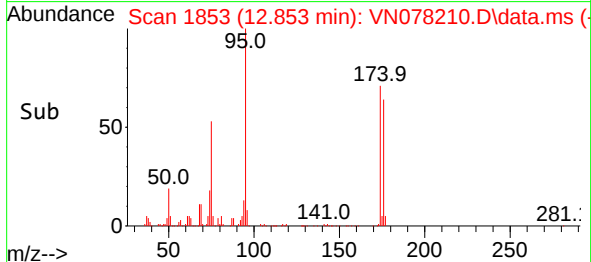
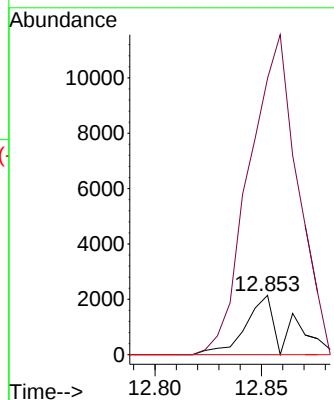
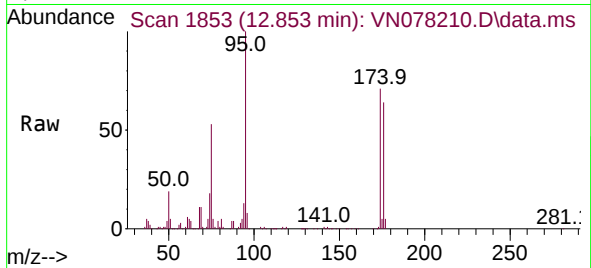




#71
Bromoform
Concen: 0.463 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

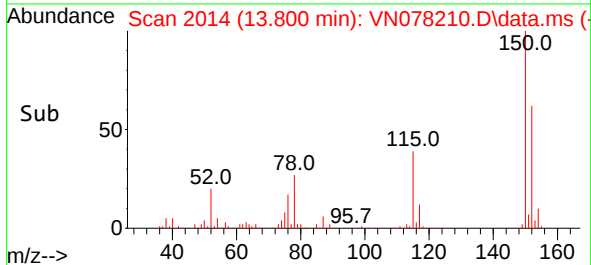
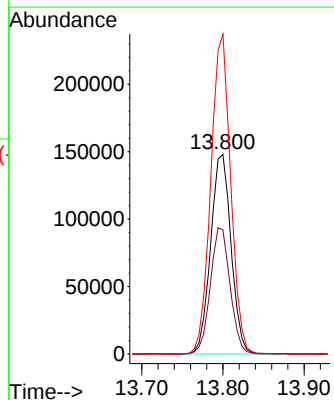
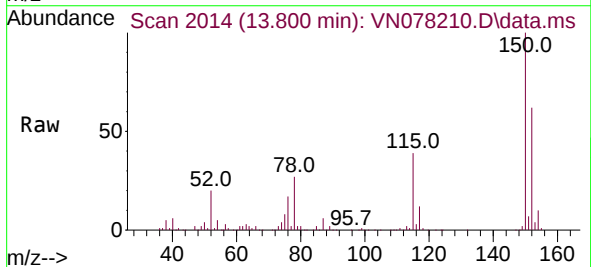
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

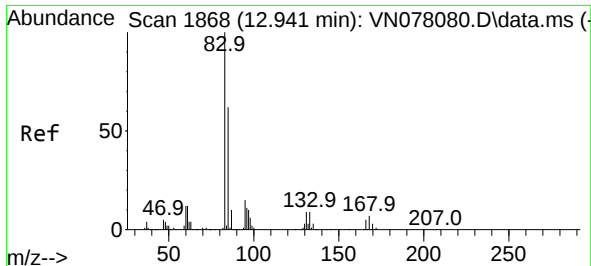
Tgt Ion:173 Resp: 1879
Ion Ratio Lower Upper
173 100
175 846.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion:152 Resp: 258489
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 156.0 0.0 355.8

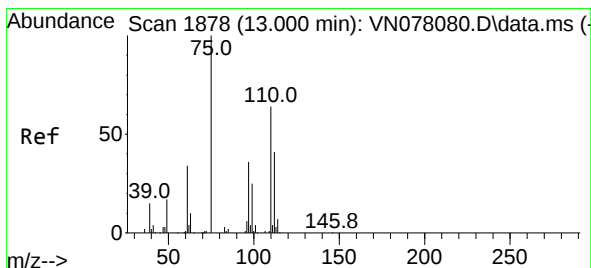
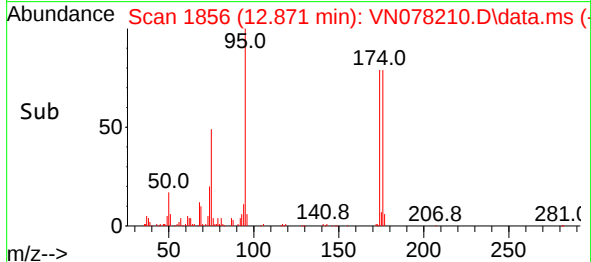
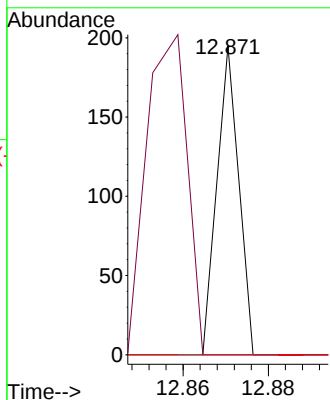
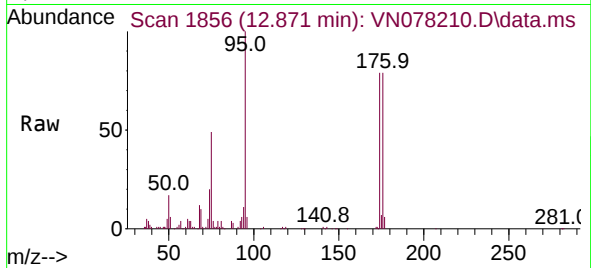




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.871 min Scan# 1856
Delta R.T. -0.070 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

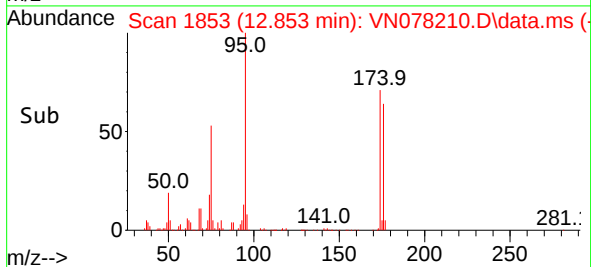
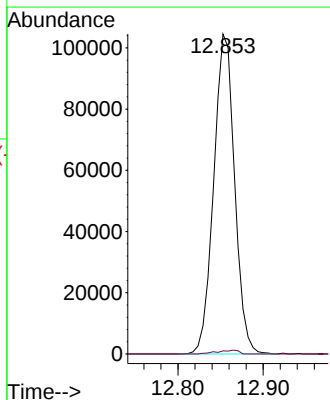
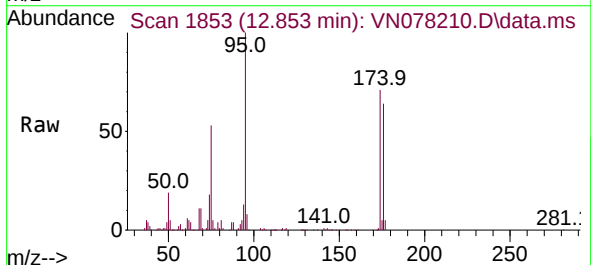
Instrument :
MSVOA_N
ClientSampleId :
SU-622-VOC-01

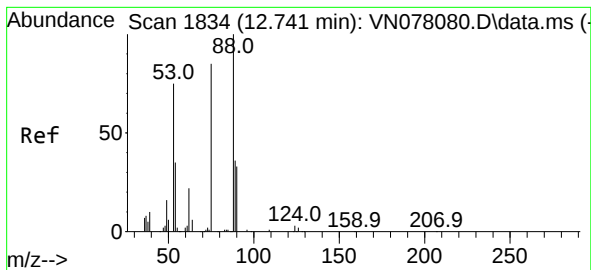
Tgt Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
131 288.4 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.138 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078210.D
Acq: 14 Jun 2023 16:57

Tgt Ion: 75 Resp: 178057
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.522 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078210.D
 Acq: 14 Jun 2023 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-622-VOC-01

Tgt Ion: 75 Resp: 178057
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

