

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034354.D
 Acq On : 06 Mar 2023 16:58
 Operator : JC/MD
 Sample : 01816-04DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-VOCDL

Quant Time: Mar 07 00:41:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

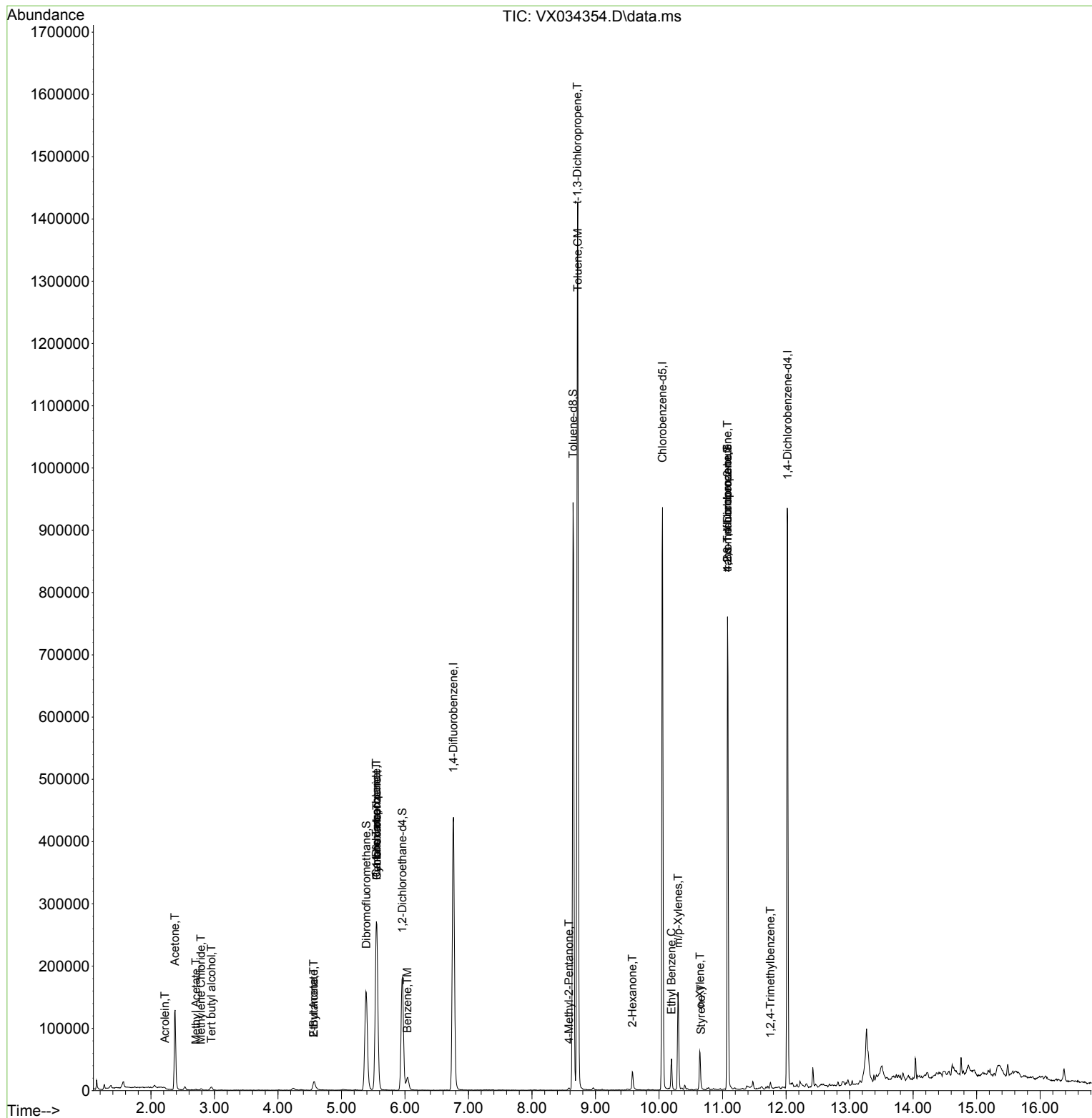
Internal Standards						
1) Pentafluorobenzene	5.556	168	269930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	454917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	407907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170057	46.779	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.560%		
35) Dibromofluoromethane	5.391	113	141136	47.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	8.647	98	550148	51.733	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.460%		
62) 4-Bromofluorobenzene	11.079	95	200882	49.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.760%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	217	Below Cal	#	3
11) Tert butyl alcohol	2.953	59	4597	5.654	ug/l #	83
13) Acrolein	2.221	56	299	0.806	ug/l	99
16) Acetone	2.380	43	137218	73.172	ug/l	95
18) Methyl Acetate	2.709	43	1664	0.287	ug/l	100
20) Methylene Chloride	2.788	84	1085	0.321	ug/l	87
25) 2-Butanone	4.562	43	22143	8.161	ug/l	98
31) Cyclohexane	5.556	56	5961	1.098	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	20511	4.682	ug/l #	48
37) Ethyl Acetate	4.562	43	22143	4.523	ug/l #	69
38) Carbon Tetrachloride	5.550	117	26610	5.903	ug/l #	15
40) Benzene	6.037	78	23829	1.836	ug/l	93
51) 4-Methyl-2-Pentanone	8.580	43	2312	0.486	ug/l	94
52) Toluene	8.720	92	529402	67.305	ug/l	98
53) t-1,3-Dichloropropene	8.714	75	5883	1.095	ug/l #	1
59) 2-Hexanone	9.580	43	19310	5.331	ug/l #	27
67) Ethyl Benzene	10.195	91	28178	1.845	ug/l	99
68) m/p-Xylenes	10.299	106	36821	6.299	ug/l	95
69) o-Xylene	10.646	106	14030	2.411	ug/l	100
70) Styrene	10.659	104	2865	0.303	ug/l #	20
76) 1,2,3-Trichloropropane	11.079	75	99476	19.938	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	99476	51.218	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	4682	0.364	ug/l	96

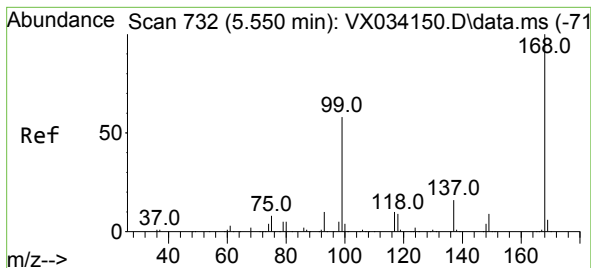
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:41:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

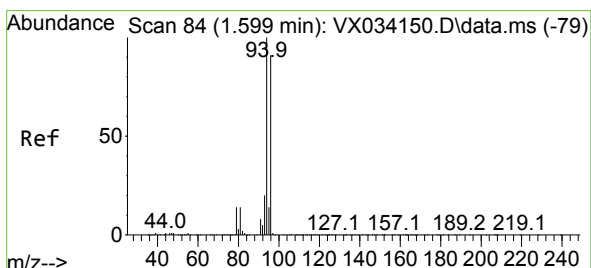
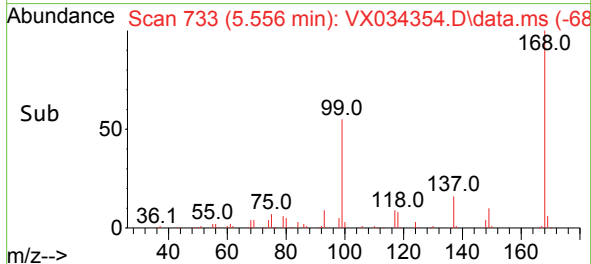
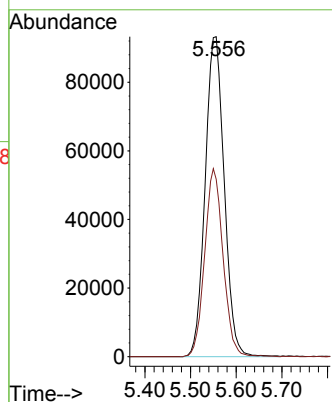
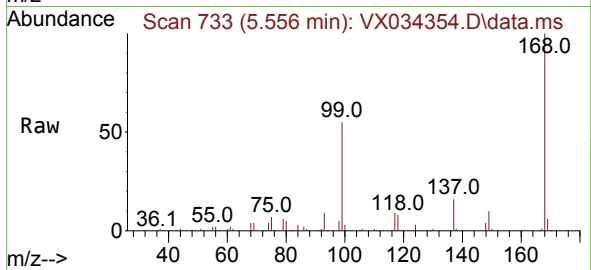
COMP-VOC DL

Tgt Ion:168 Resp: 269930

Ion Ratio Lower Upper

168 100

99 55.4 39.6 59.4



#5

Bromomethane

Concen: Below Cal

RT: 1.624 min Scan# 88

Delta R.T. 0.025 min

Lab File: VX034354.D

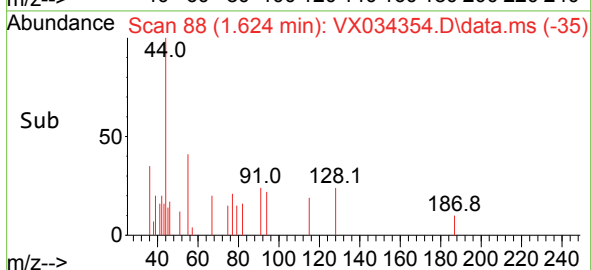
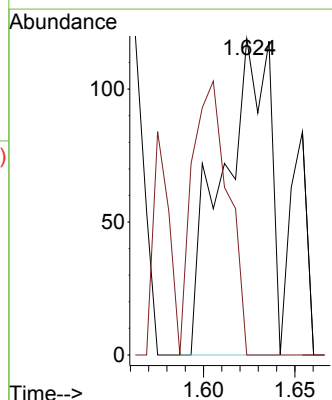
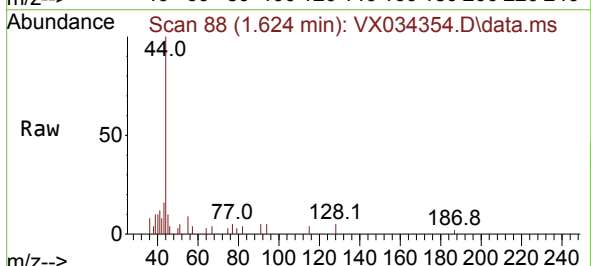
Acq: 06 Mar 2023 16:58

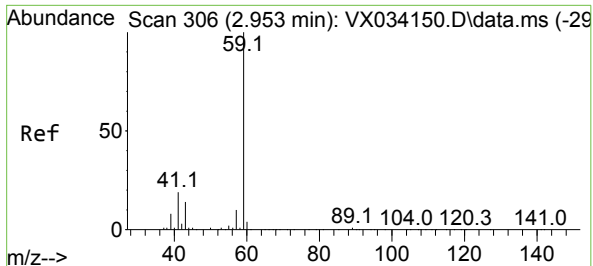
Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#

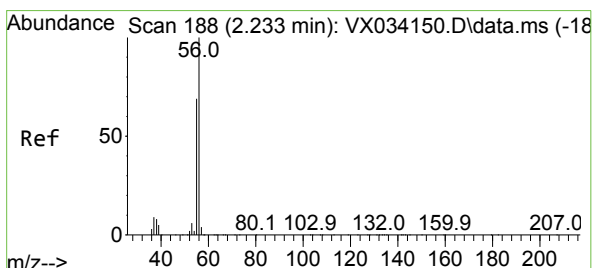
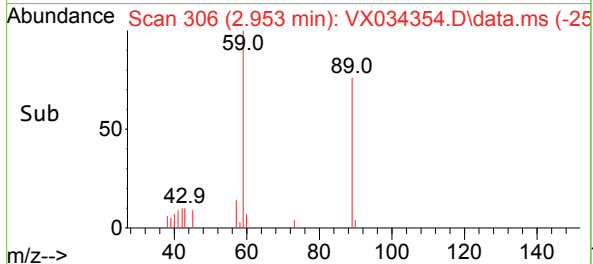
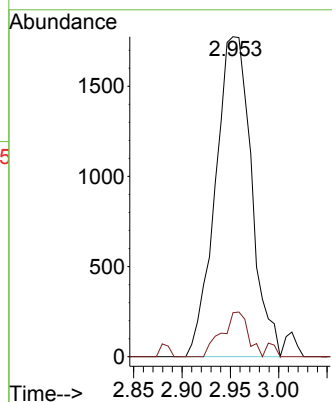
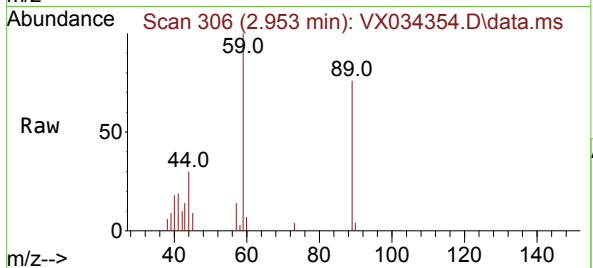




#11
Tert butyl alcohol
Concen: 5.654 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

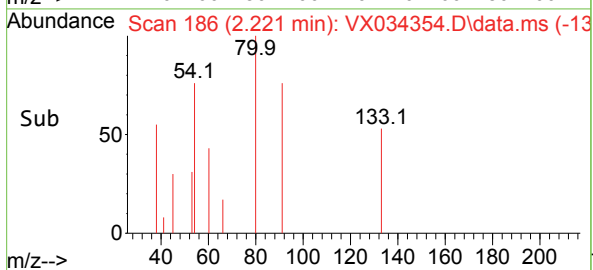
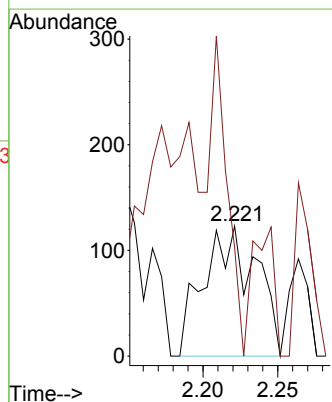
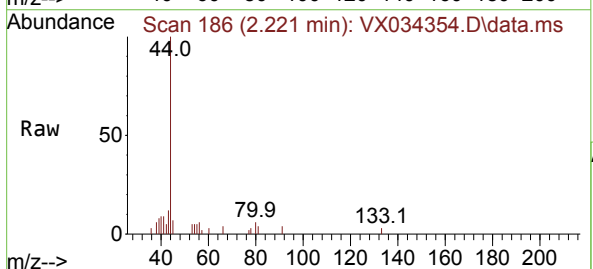
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOCDL

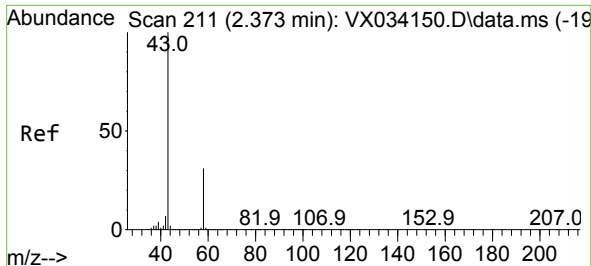
Tgt Ion: 59 Resp: 4597
Ion Ratio Lower Upper
59 100
57 10.1 3.7 5.5#



#13
Acrolein
Concen: 0.806 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.012 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 71.2 56.3 84.5

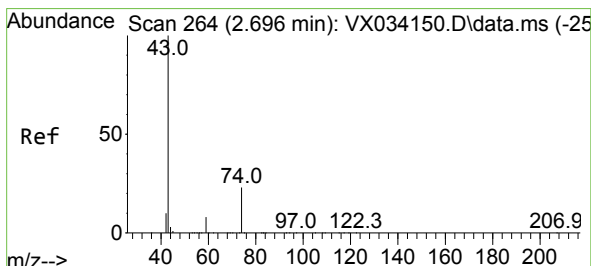
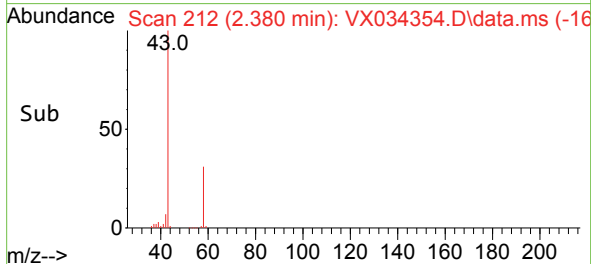
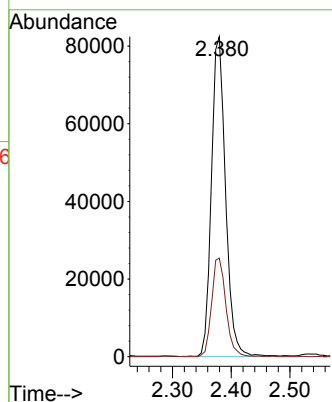
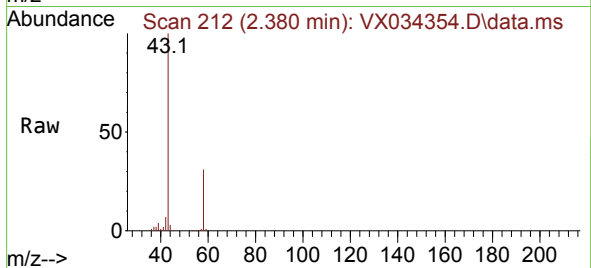




#16
Acetone
Concen: 73.172 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

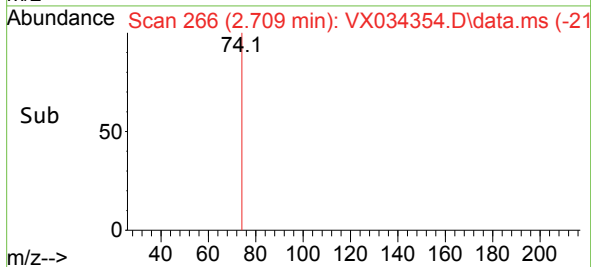
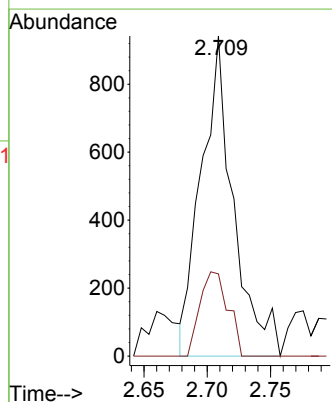
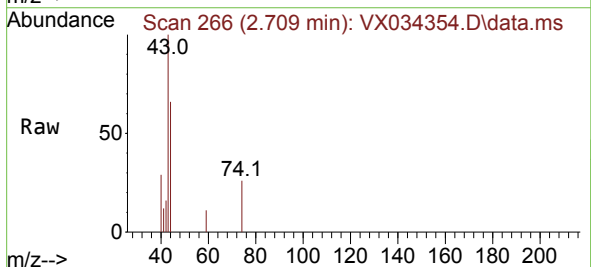
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOCDL

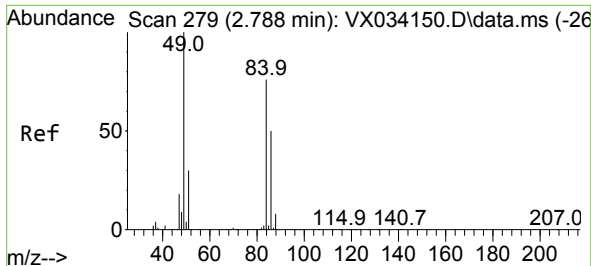
Tgt Ion: 43 Resp: 137218
Ion Ratio Lower Upper
43 100
58 30.8 22.6 33.8



#18
Methyl Acetate
Concen: 0.287 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
74 23.0 18.2 27.4

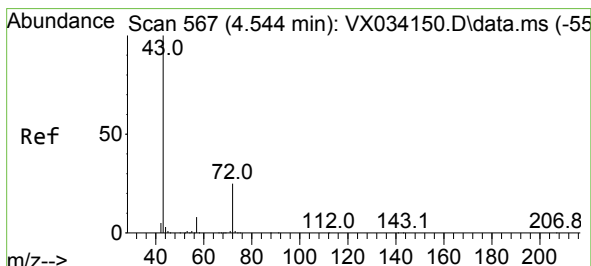
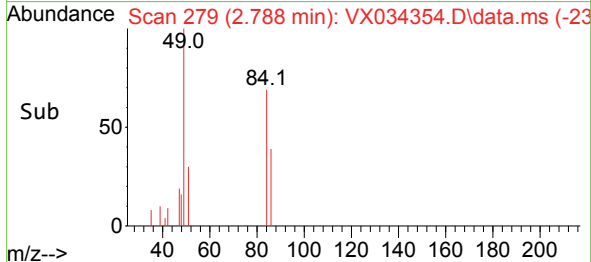
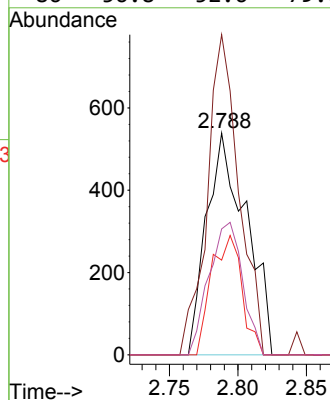
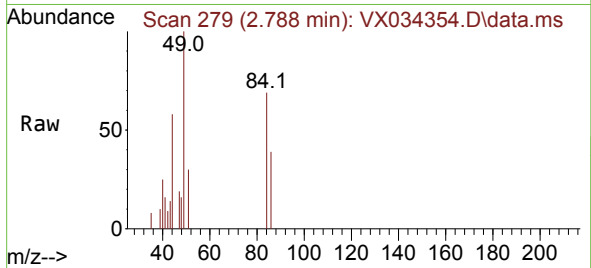




#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

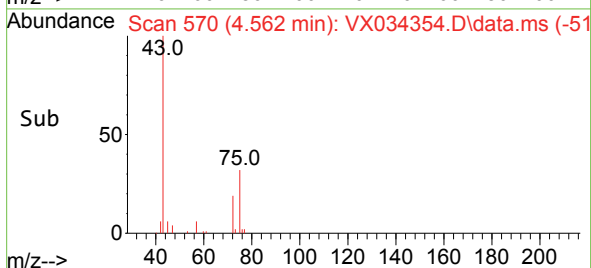
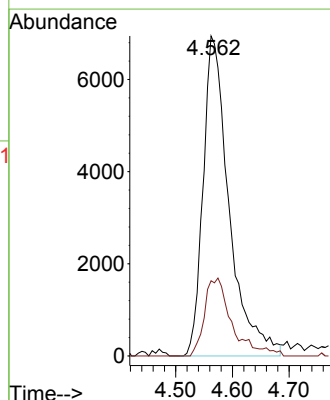
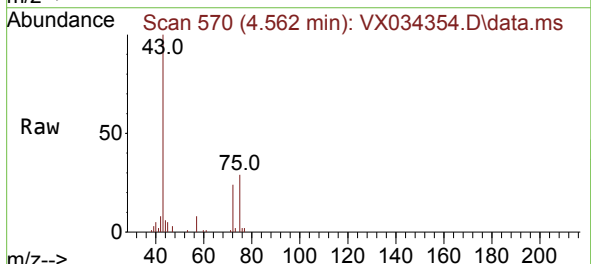
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC DL

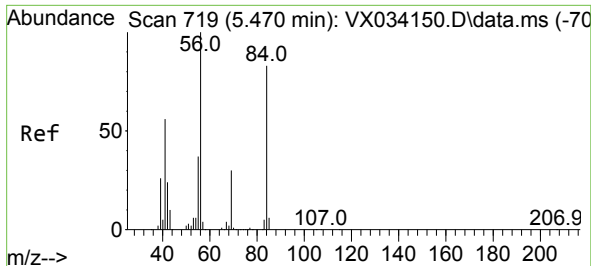
Tgt Ion:	84	Resp:	1085
Ion	Ratio	Lower	Upper
84	100		
49	144.3	101.1	151.7
51	42.7	31.0	46.6
86	56.8	52.6	79.0



#25
2-Butanone
Concen: 8.161 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion:	43	Resp:	22143
Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.4	29.2

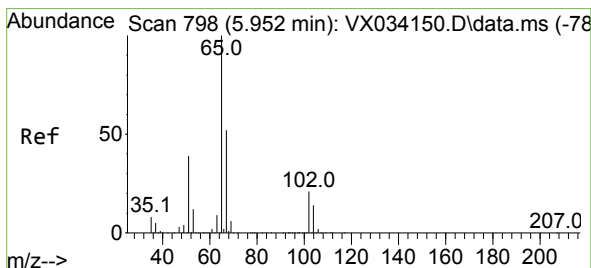
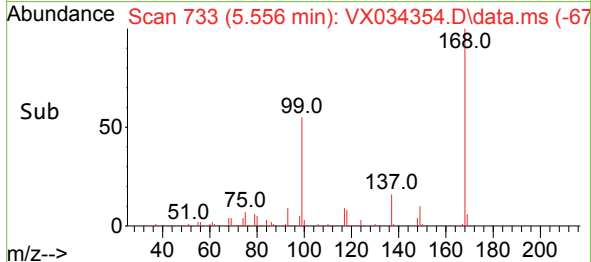
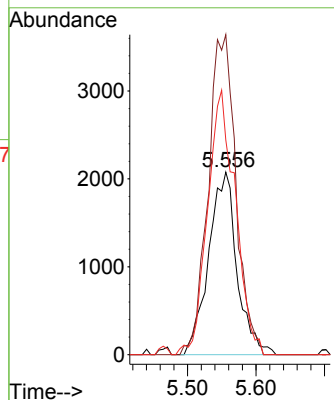
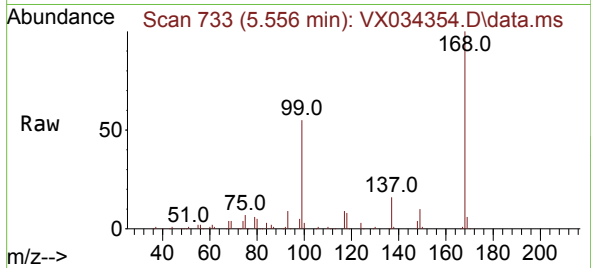




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

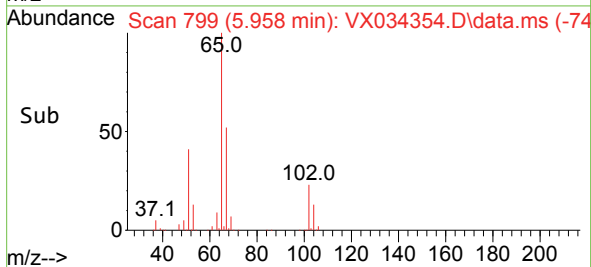
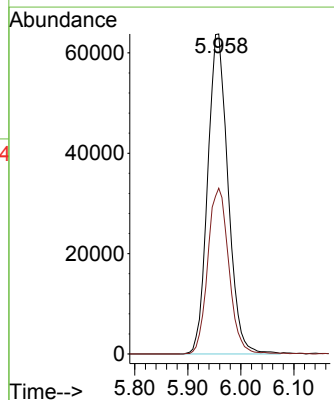
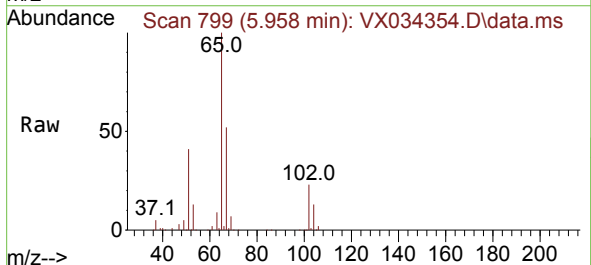
Instrument :
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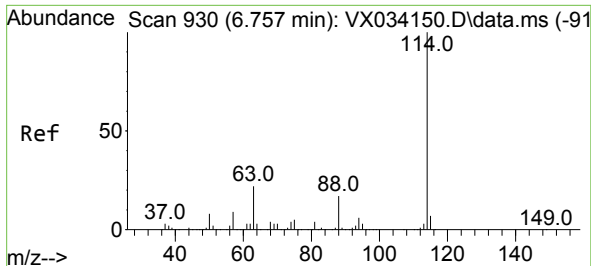
Tgt Ion: 56 Resp: 5961
Ion Ratio Lower Upper
56 100
69 175.3 24.6 37.0#
84 117.7 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.779 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 65 Resp: 170057
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOC DL

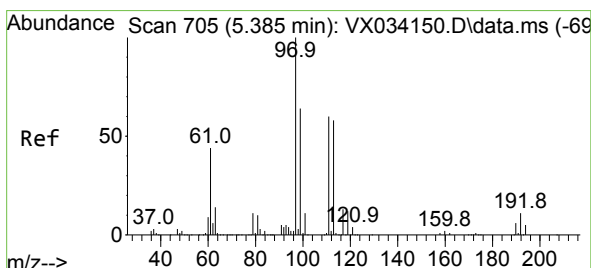
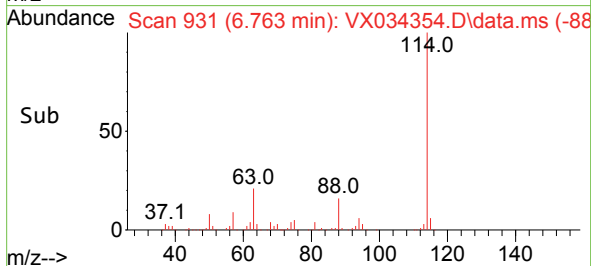
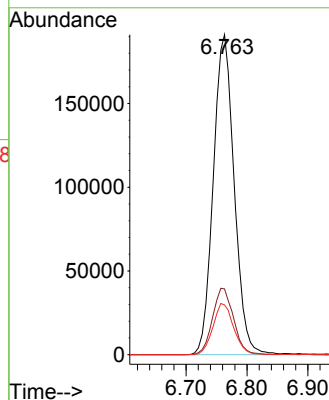
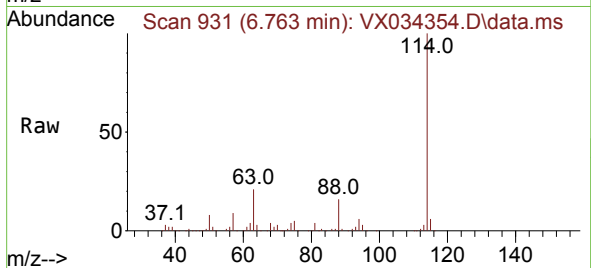
Tgt Ion:114 Resp: 454917

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.650 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

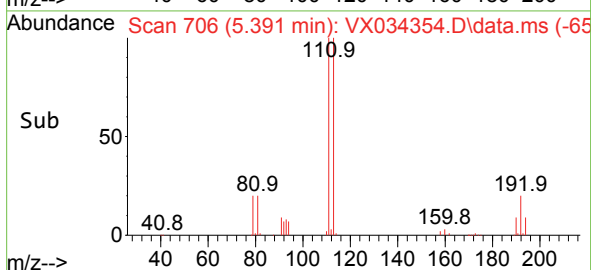
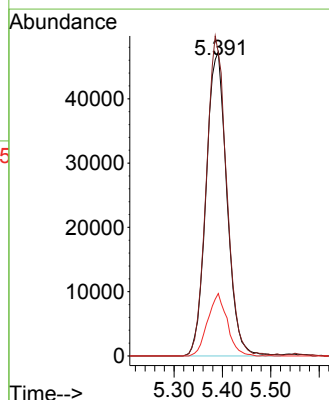
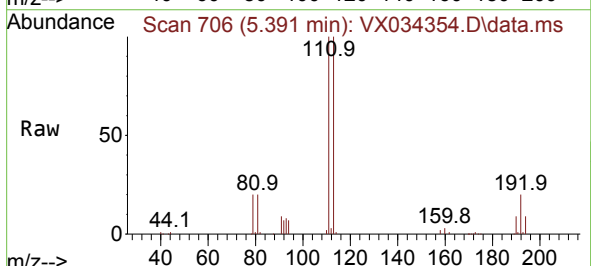
Tgt Ion:113 Resp: 141136

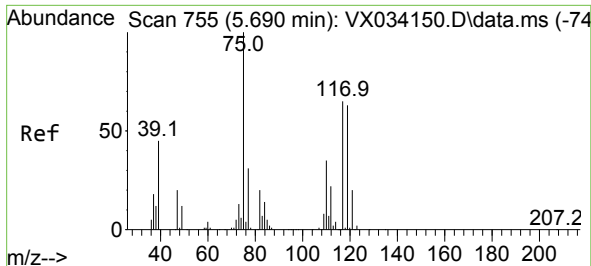
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.6

192 19.3 19.0 28.4

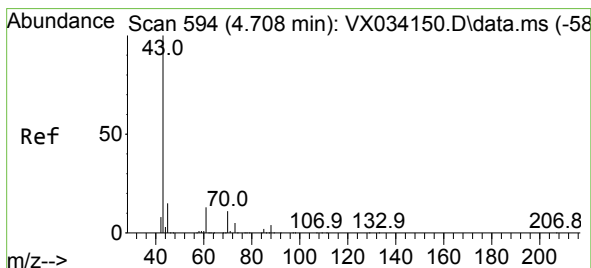
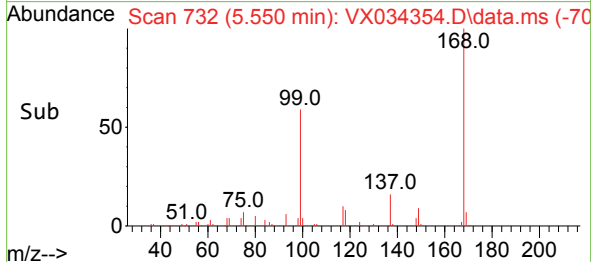
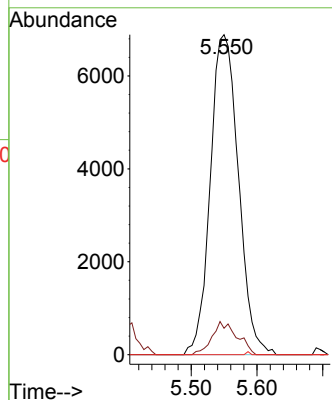
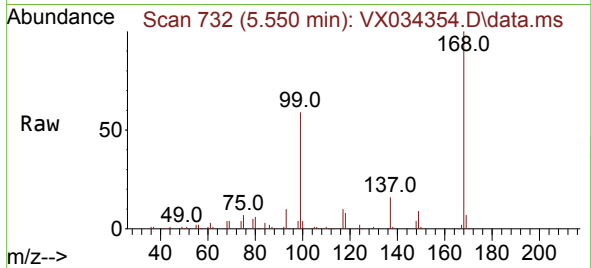




#36
1,1-Dichloropropene
Concen: 4.682 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

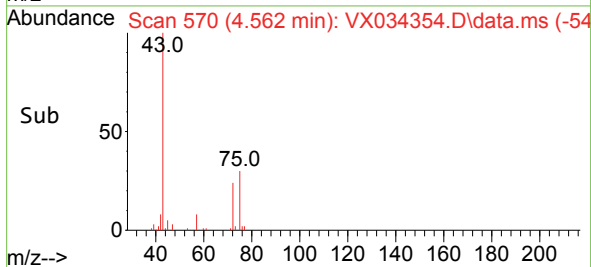
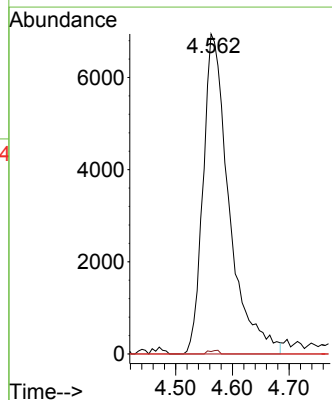
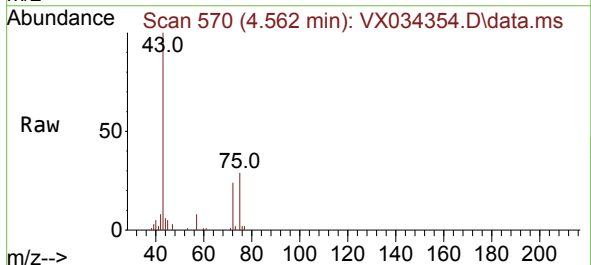
Instrument :
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COMP-VOC DL

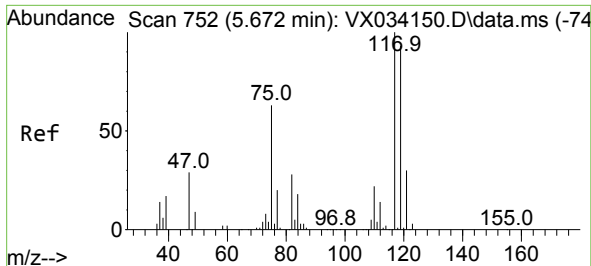
Tgt Ion: 75 Resp: 20511
Ion Ratio Lower Upper
75 100
110 9.2 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 4.523 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.146 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

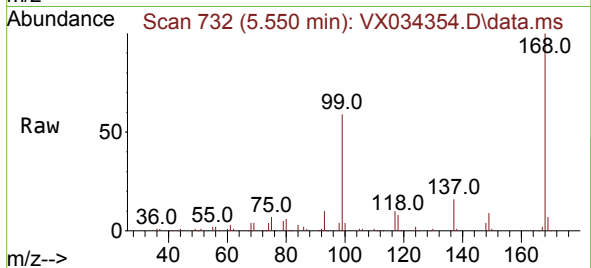
Tgt Ion: 43 Resp: 22143
Ion Ratio Lower Upper
43 100
61 0.5 11.1 16.7#
70 0.0 8.5 12.7#



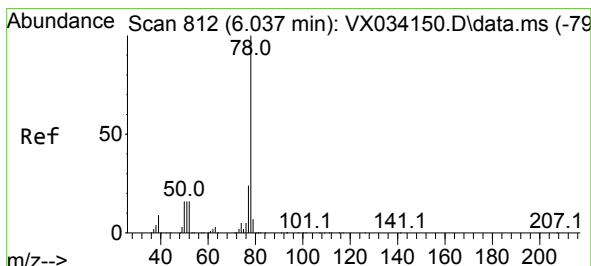
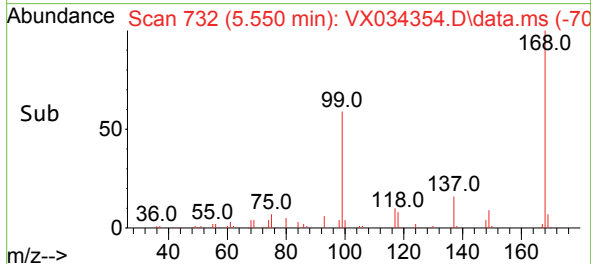
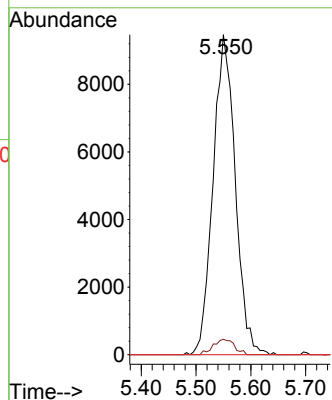


#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC DL

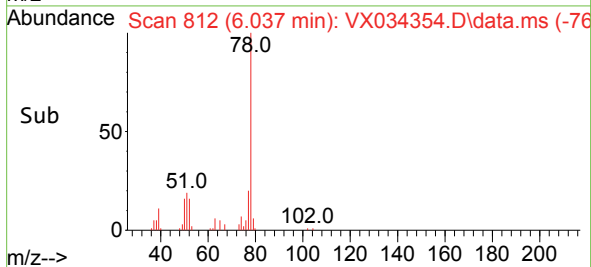
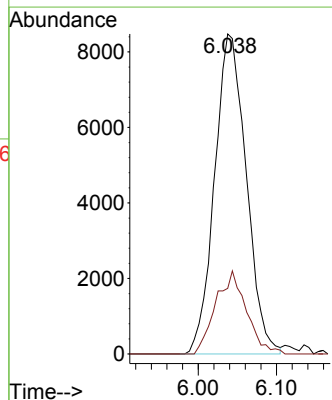
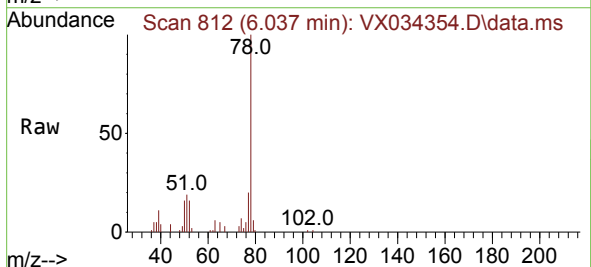


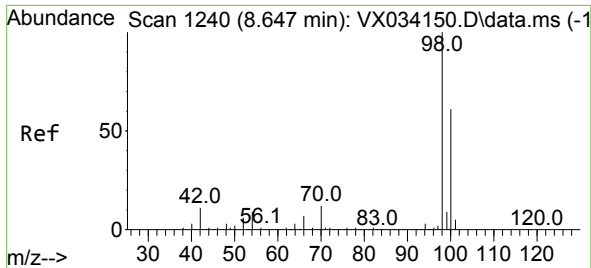
Tgt Ion:117 Resp: 26610
Ion Ratio Lower Upper
117 100
119 4.8 78.0 117.0#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 1.836 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 78 Resp: 23829
Ion Ratio Lower Upper
78 100
77 20.5 19.0 28.4

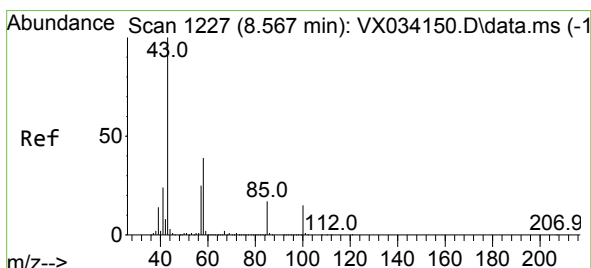
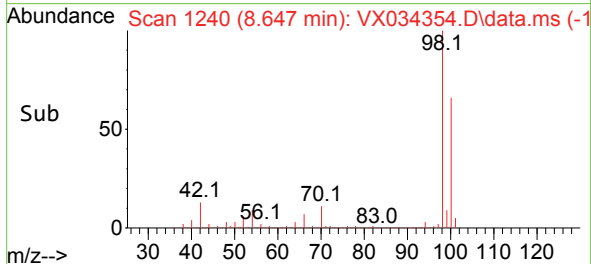
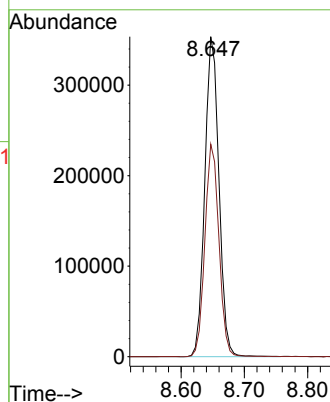
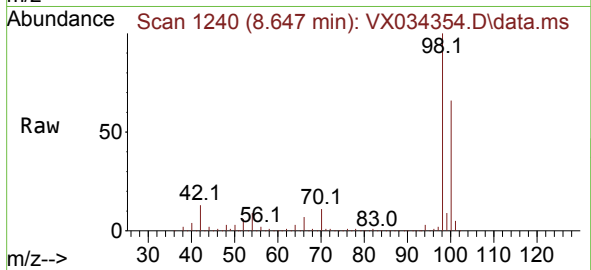




#50
Toluene-d8
Concen: 51.733 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

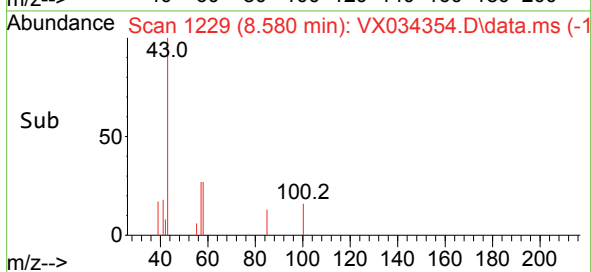
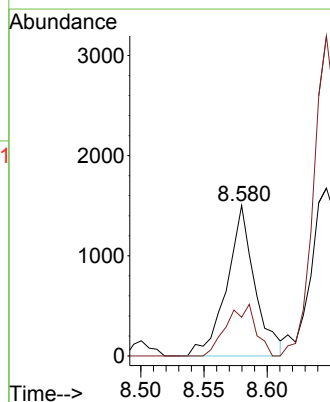
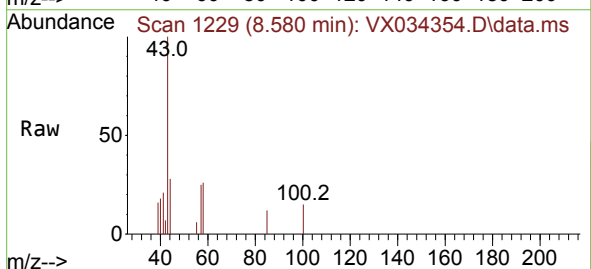
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC DL

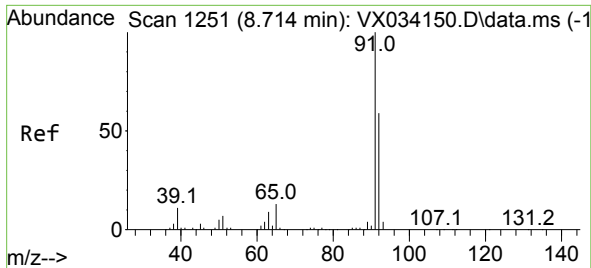
Tgt Ion: 98 Resp: 550148
Ion Ratio Lower Upper
98 100
100 66.0 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 35.6 31.2 46.8

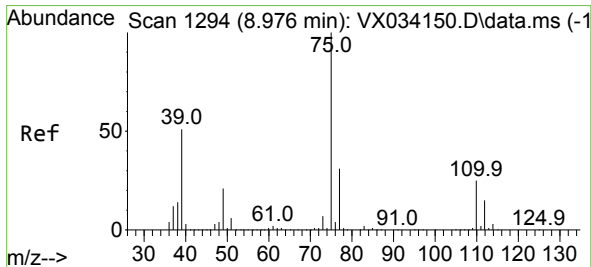
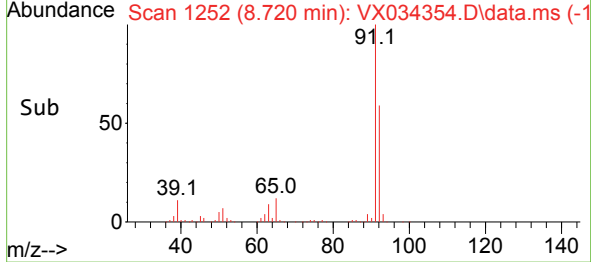
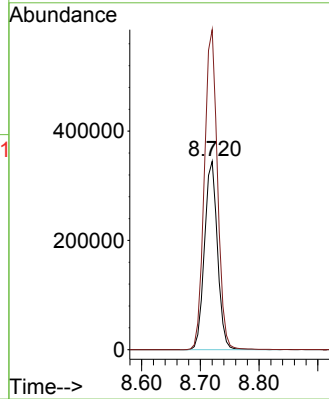
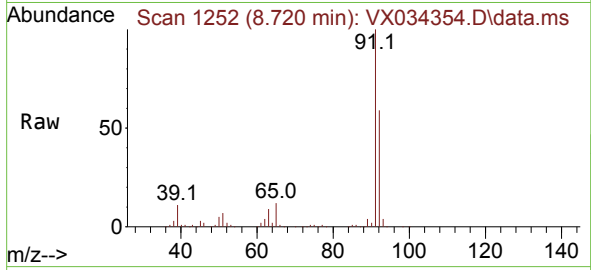




#52
Toluene
Concen: 67.305 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

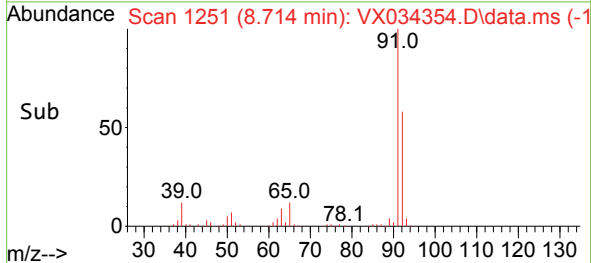
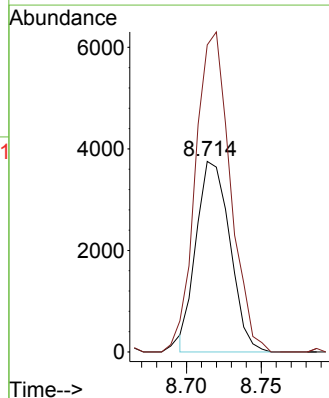
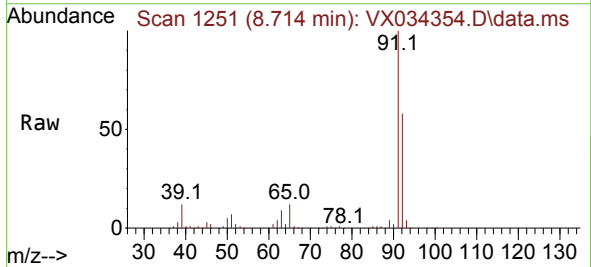
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOCDL

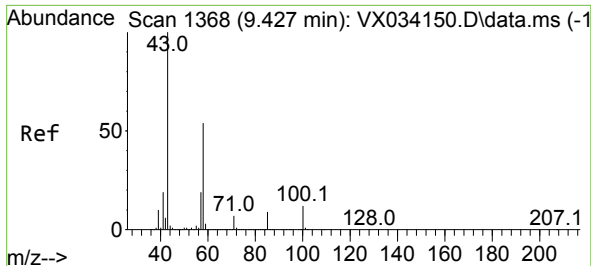
Tgt Ion: 92 Resp: 529402
Ion Ratio Lower Upper
92 100
91 171.5 135.5 203.3



#53
t-1,3-Dichloropropene
Concen: 1.095 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 75 Resp: 5883
Ion Ratio Lower Upper
75 100
77 161.1 25.5 38.3#





#59

2-Hexanone

Concen: 5.331 ug/l

RT: 9.580 min Scan# 1393

Delta R.T. 0.153 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

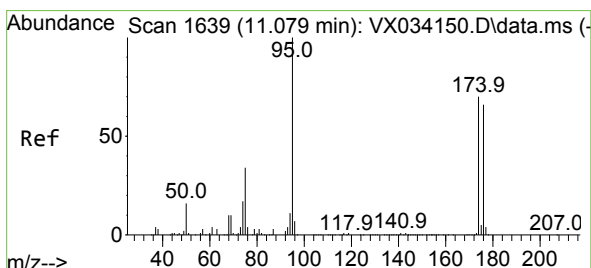
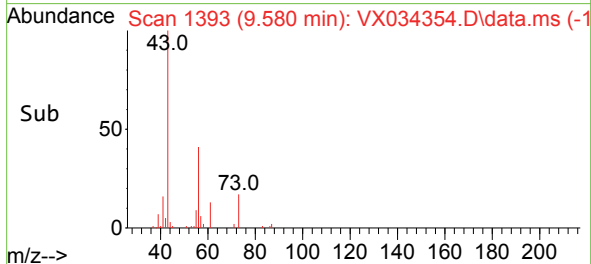
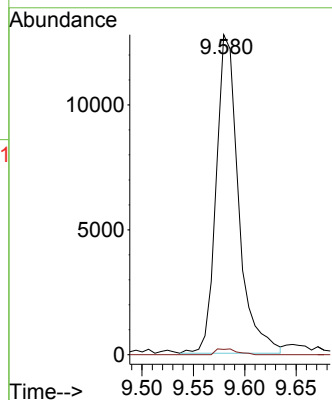
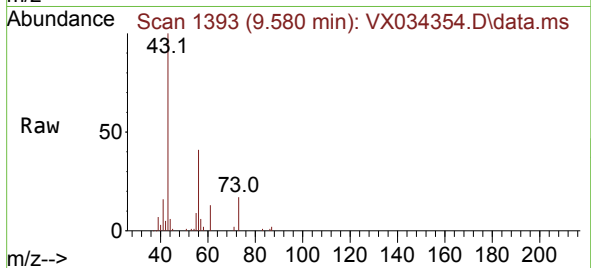
COMP-VOCDL

Tgt Ion: 43 Resp: 19310

Ion Ratio Lower Upper

43 100

58 1.7 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 49.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

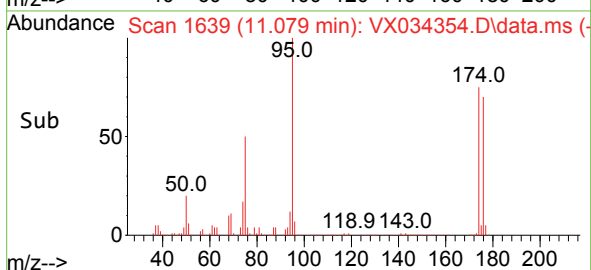
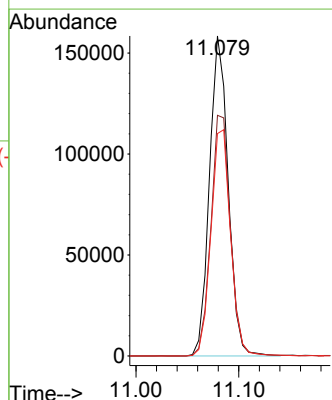
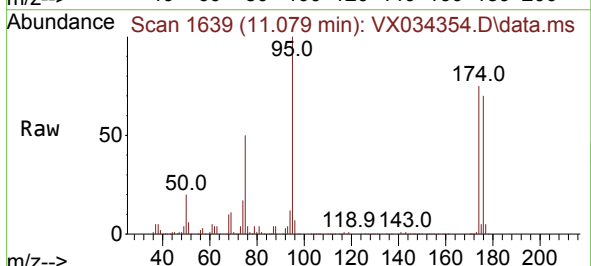
Tgt Ion: 95 Resp: 200882

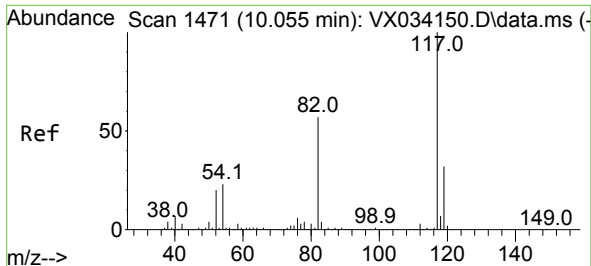
Ion Ratio Lower Upper

95 100

174 78.5 0.0 184.4

176 74.3 0.0 178.8

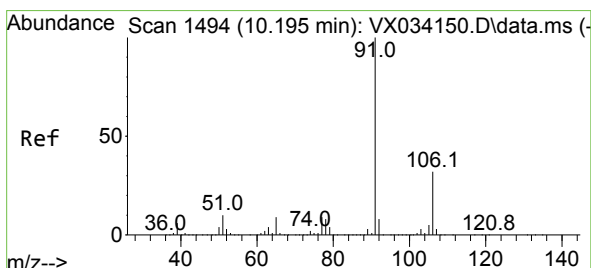
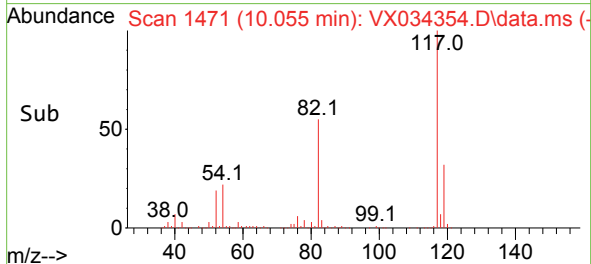
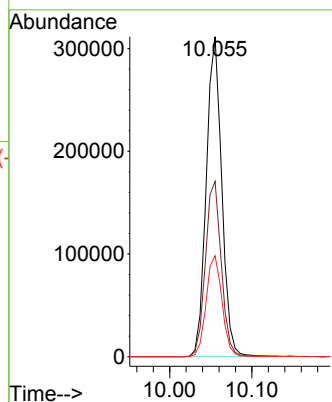
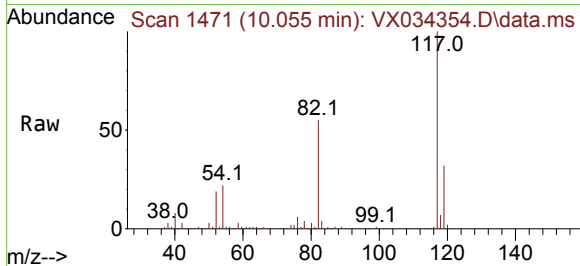




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

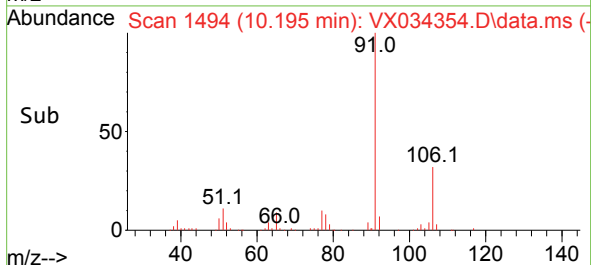
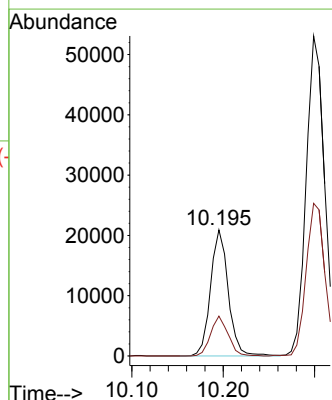
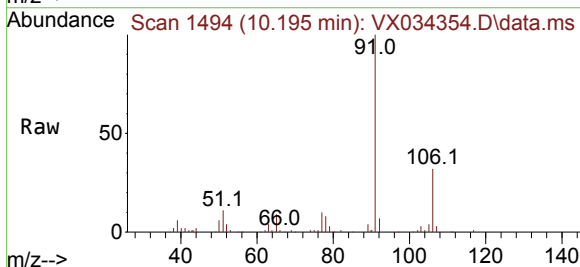
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC DL

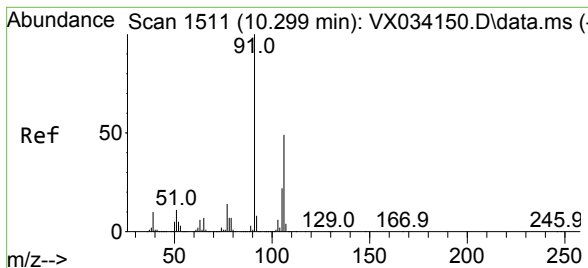
Tgt Ion:117 Resp: 407907
Ion Ratio Lower Upper
117 100
82 54.8 40.6 60.8
119 31.6 25.6 38.4



#67
Ethyl Benzene
Concen: 1.845 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 91 Resp: 28178
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.8

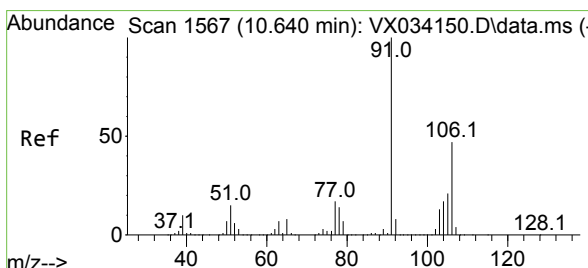
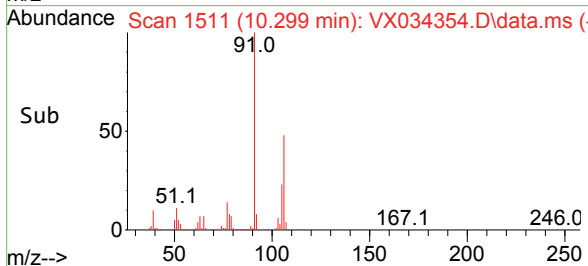
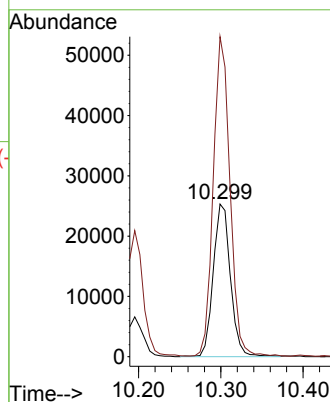
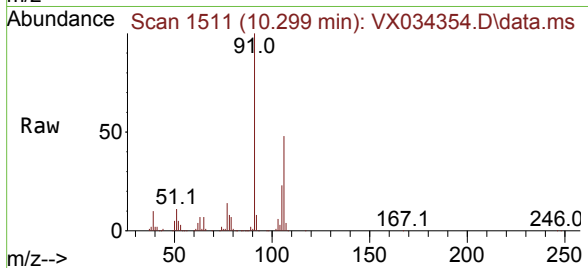




#68
m/p-Xylenes
Concen: 6.299 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

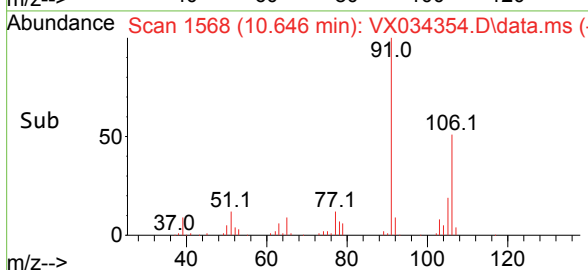
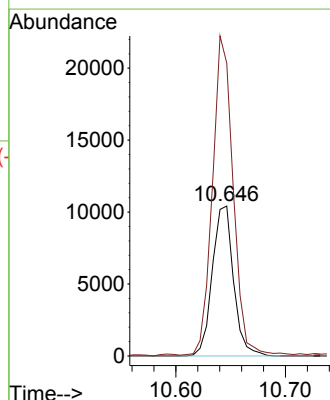
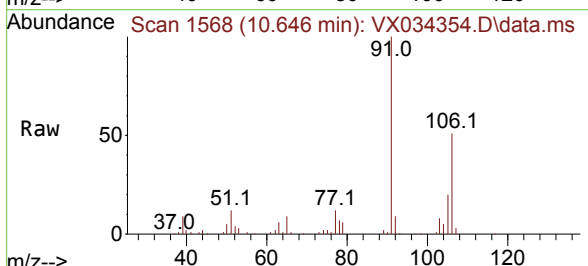
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOCDL

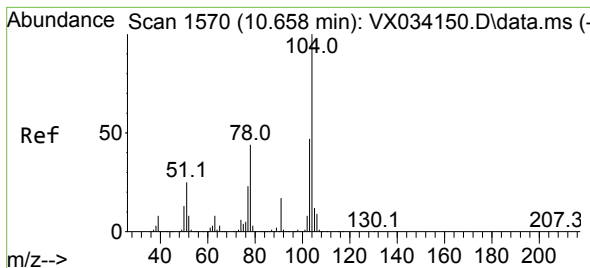
Tgt Ion:106 Resp: 36821
Ion Ratio Lower Upper
106 100
91 203.3 156.4 234.6



#69
o-Xylene
Concen: 2.411 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion:106 Resp: 14030
Ion Ratio Lower Upper
106 100
91 206.6 103.1 309.3





#70

Styrene

Concen: 0.303 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOCDL

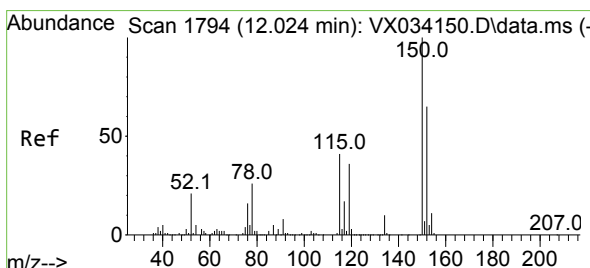
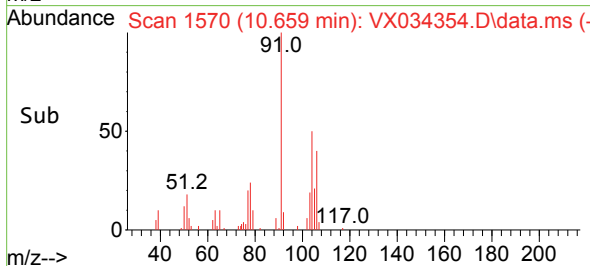
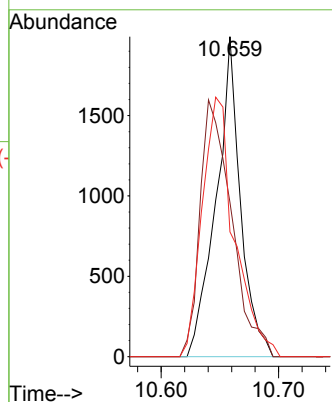
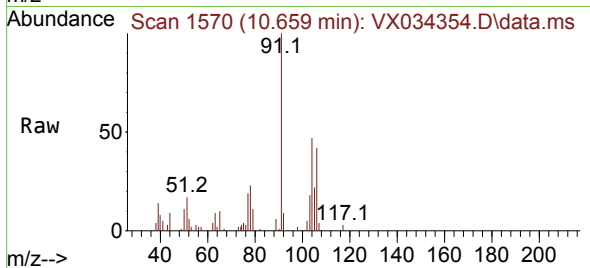
Tgt Ion:104 Resp: 2865

Ion Ratio Lower Upper

104 100

78 104.4 37.5 56.3#

103 107.4 43.3 64.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034354.D

Acq: 06 Mar 2023 16:58

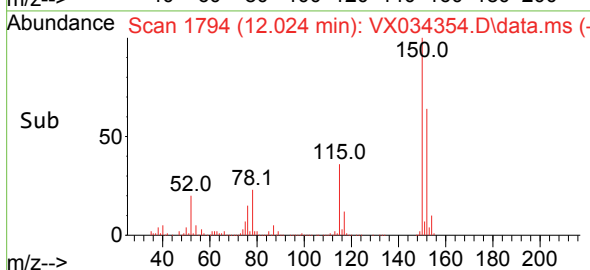
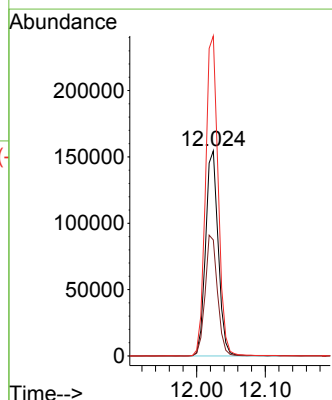
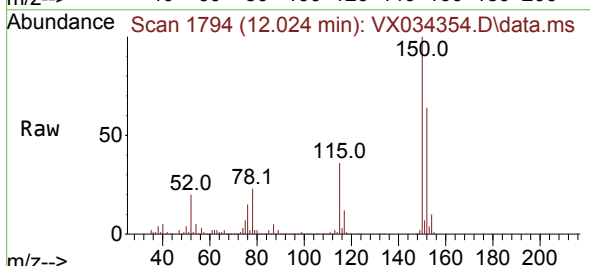
Tgt Ion:152 Resp: 198282

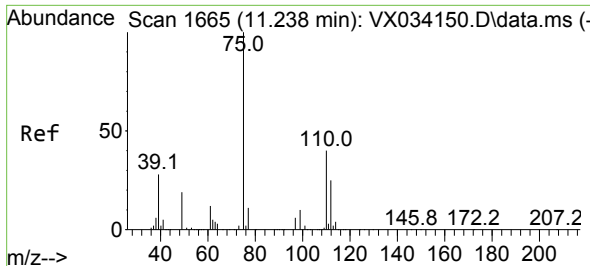
Ion Ratio Lower Upper

152 100

115 57.9 38.7 116.1

150 156.5 0.0 348.2

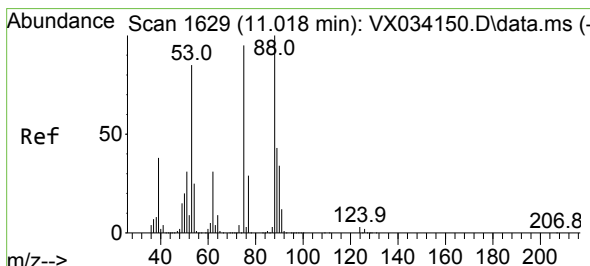
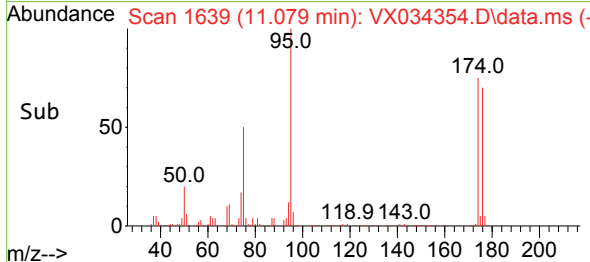
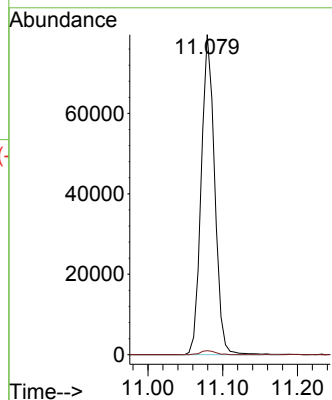
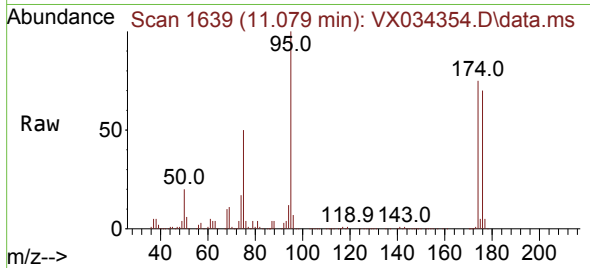




#76
1,2,3-Trichloropropane
Concen: 19.938 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

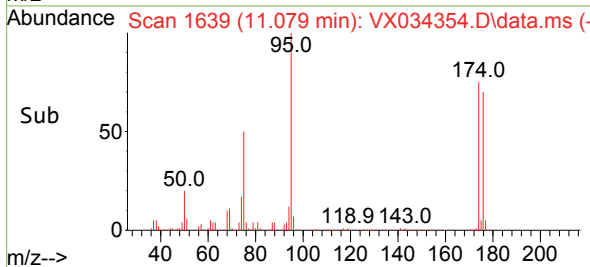
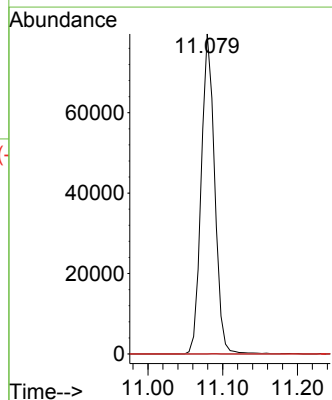
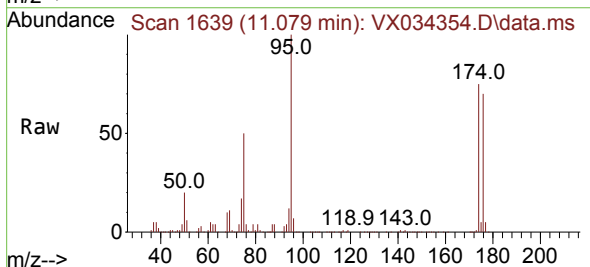
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC DL

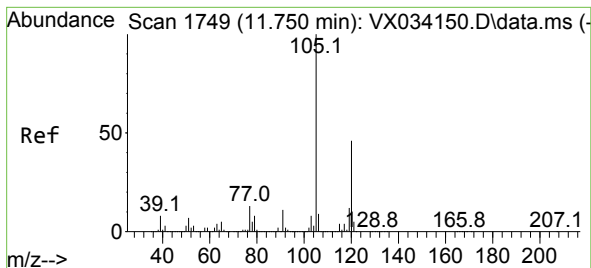
Tgt Ion: 75 Resp: 99476
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.218 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034354.D
Acq: 06 Mar 2023 16:58

Tgt Ion: 75 Resp: 99476
Ion Ratio Lower Upper
75 100
53 0.1 83.0 124.6#
89 0.0 37.7 56.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.364 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034354.D

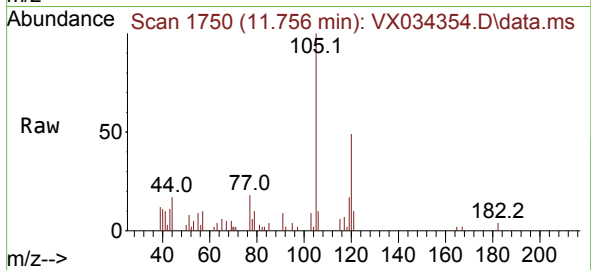
Acq: 06 Mar 2023 16:58

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOCDL



Tgt Ion:105 Resp: 4682

Ion Ratio Lower Upper

105 100

120 44.3 23.4 70.2

