

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073934.D
 Acq On : 16 Aug 2022 07:48
 Operator : JC\MD
 Sample : N4211-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VOC-WC-2

Quant Time: Aug 16 08:10:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

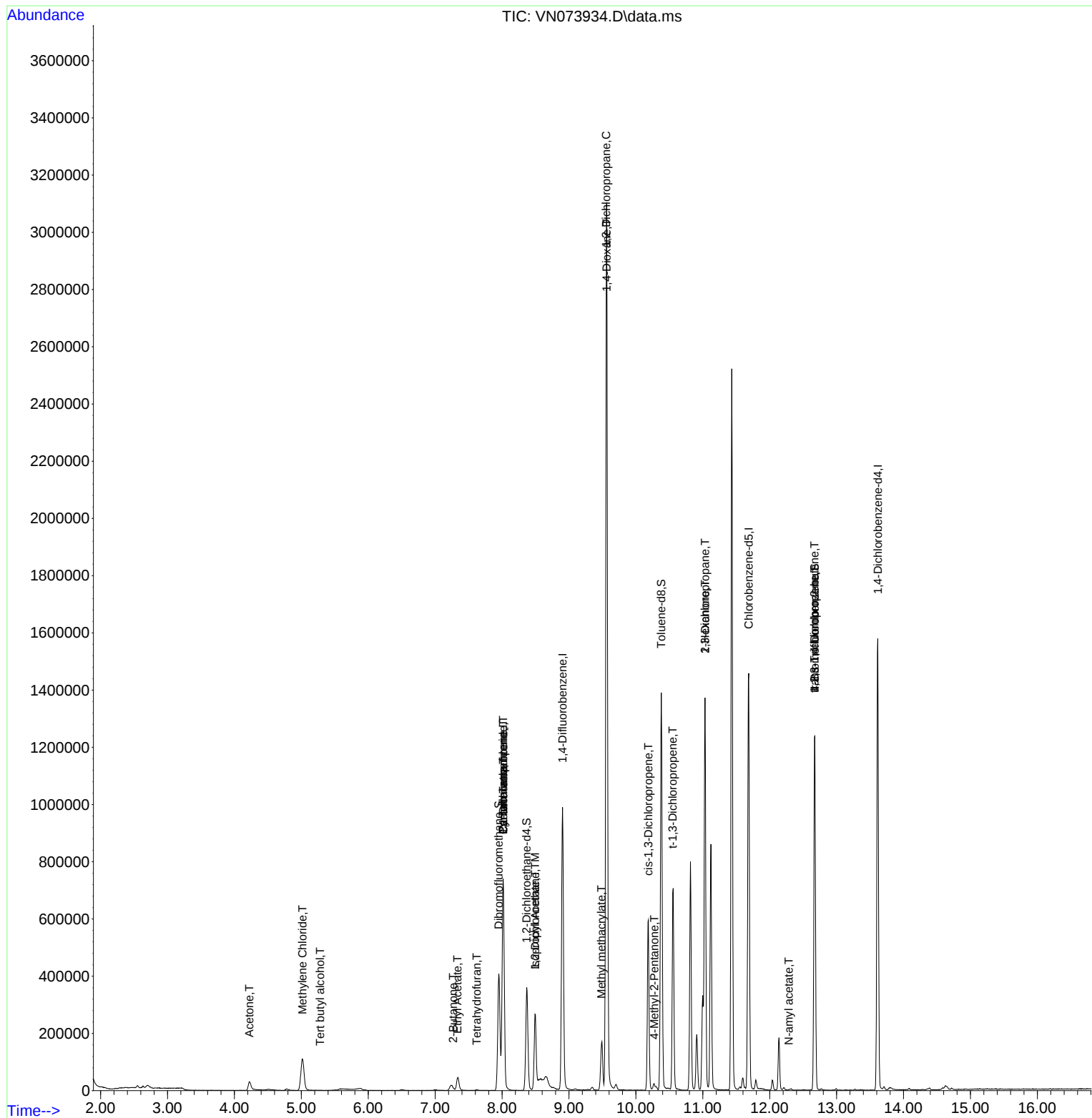
Internal Standards						
1) Pentafluorobenzene	8.016	168	637857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	931422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	914713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	475953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	302389	48.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.340%		
35) Dibromofluoromethane	7.951	113	295709	53.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.360%		
50) Toluene-d8	10.380	98	998478	46.804	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.600%		
62) 4-Bromofluorobenzene	12.674	95	414006	58.474	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.281	59	981	0.706	ug/l #	89
16) Acetone	4.222	43	57567	19.640	ug/l	95
18) Methyl Acetate	4.781	43	10229	Below Cal	#	71
20) Methylene Chloride	5.016	84	103312	16.704	ug/l	97
25) 2-Butanone	7.269	43	13739	2.956	ug/l	95
29) Tetrahydrofuran	7.622	42	1988	0.667	ug/l #	74
31) Cyclohexane	8.016	56	10044	1.160	ug/l #	5
36) 1,1-Dichloropropene	8.016	75	39391	5.149	ug/l #	50
37) Ethyl Acetate	7.334	43	70519	7.608	ug/l	97
38) Carbon Tetrachloride	8.016	117	53705	6.141	ug/l #	17
42) 1,2-Dichloroethane	8.492	62	2096	0.252	ug/l #	74
43) Isopropyl Acetate	8.492	43	311507	23.591	ug/l #	92
45) 1,2-Dichloropropane	9.557	63	3965	0.685	ug/l #	44
48) Methyl methacrylate	9.486	41	10681	1.890	ug/l #	39
49) 1,4-Dioxane	9.563	88	614	3.654	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	13947	1.562	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	2109	0.239	ug/l #	68
54) cis-1,3-Dichloropropene	10.186	75	117365	12.154	ug/l #	62
57) 1,3-Dichloropropane	11.033	76	15672	1.496	ug/l #	42
59) 2-Hexanone	11.033	43	173988	25.323	ug/l #	50
74) N-amyl acetate	12.286	43	3752	0.286	ug/l #	39
76) 1,2,3-Trichloropropane	12.669	75	204957	20.718	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	204957	58.926	ug/l #	10

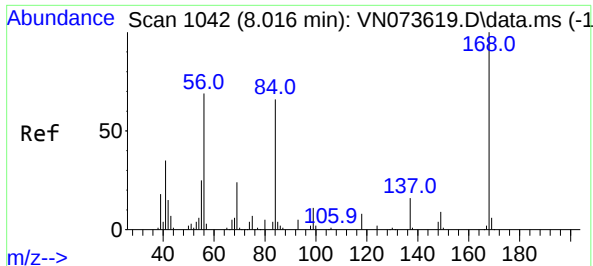
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
Data File : VN073934.D
Acq On : 16 Aug 2022 07:48
Operator : JC\MD
Sample : N4211-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

Quant Time: Aug 16 08:10:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

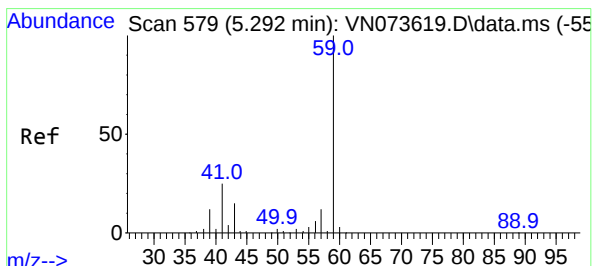
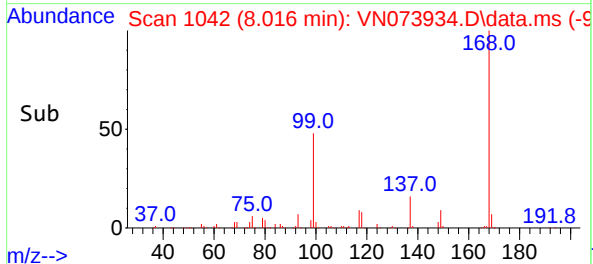
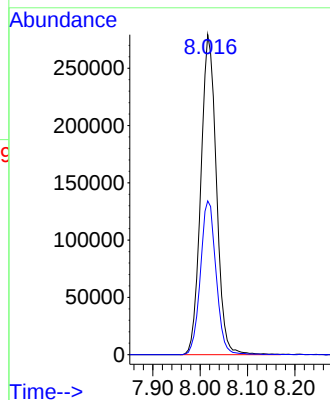
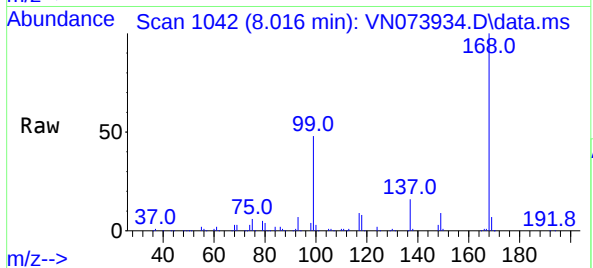




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

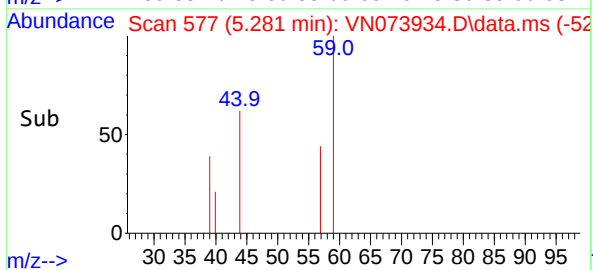
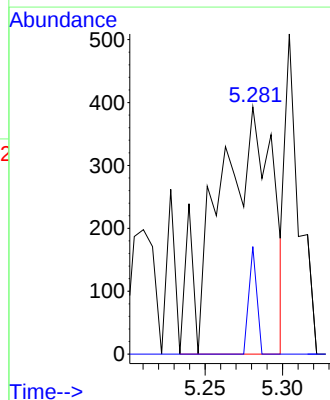
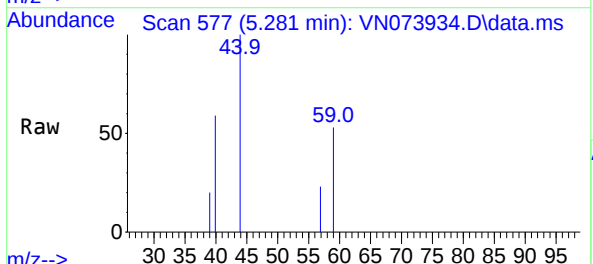
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

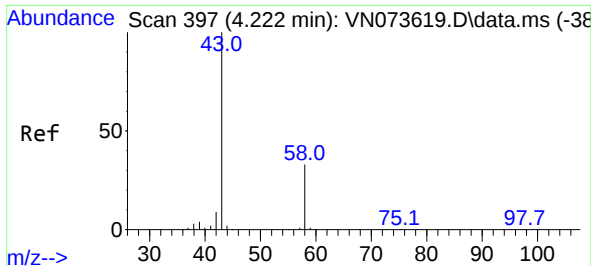
Tgt Ion:168 Resp: 637857
Ion Ratio Lower Upper
168 100
99 48.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.706 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.011 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 59 Resp: 981
Ion Ratio Lower Upper
59 100
57 6.1 8.3 12.5#

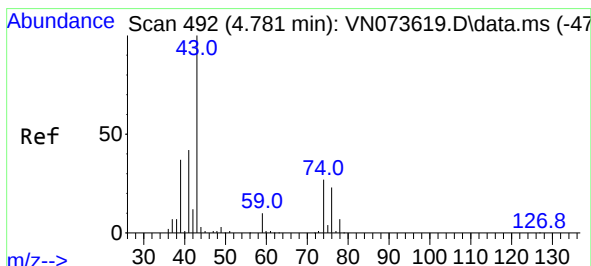
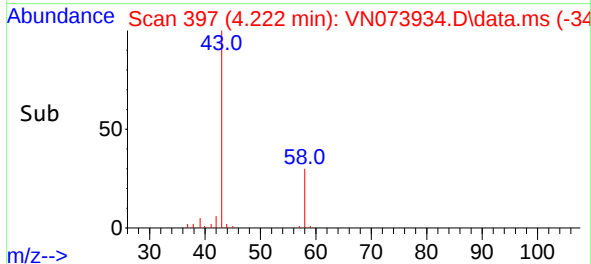
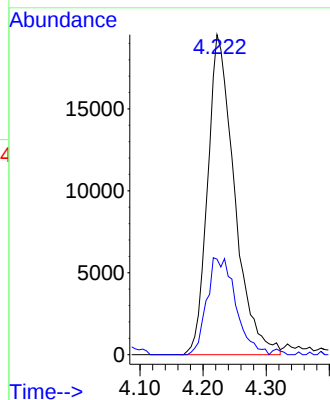
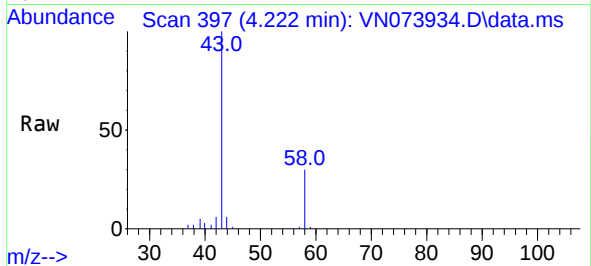




#16
Acetone
Concen: 19.640 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

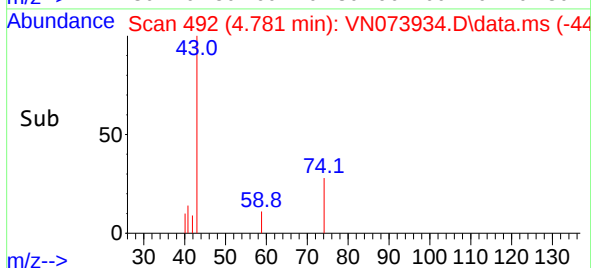
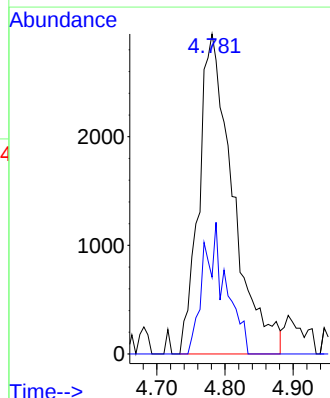
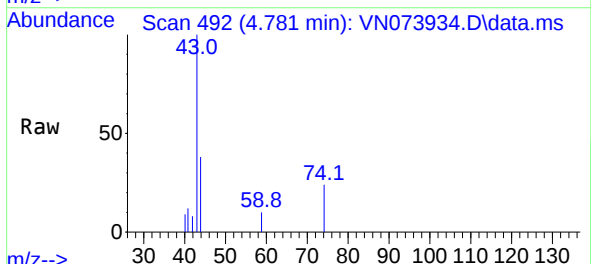
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

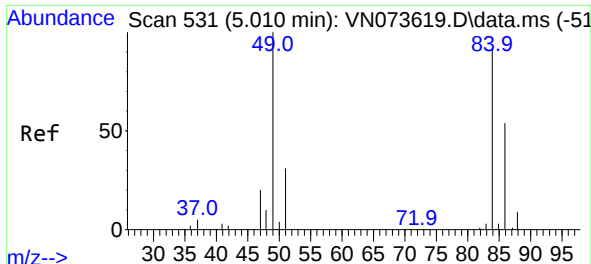
Tgt Ion: 43 Resp: 57567
Ion Ratio Lower Upper
43 100
58 29.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 43 Resp: 10229
Ion Ratio Lower Upper
43 100
74 12.0 21.6 32.4#



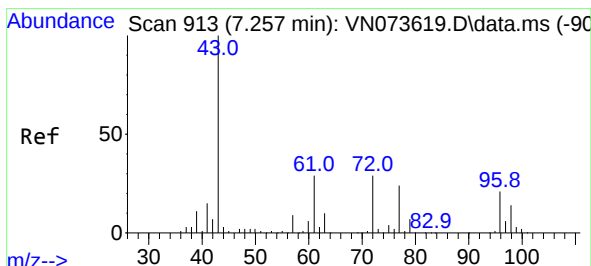
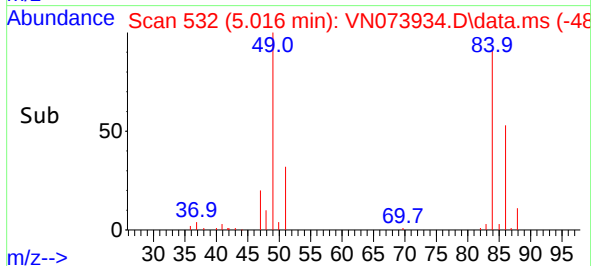
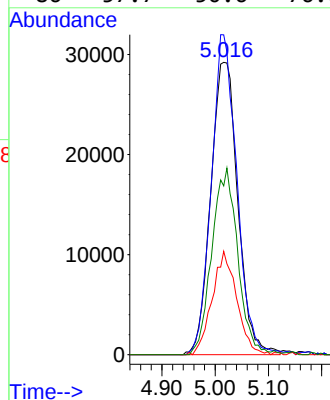
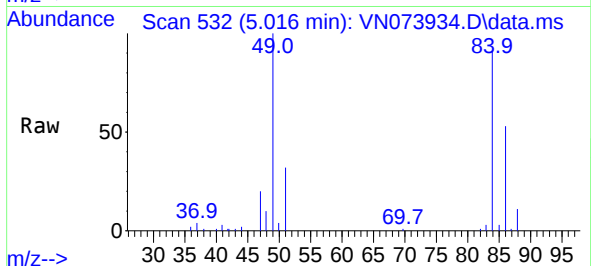


#20
Methylene Chloride
Concen: 16.704 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

Tgt Ion: 84 Resp: 103312

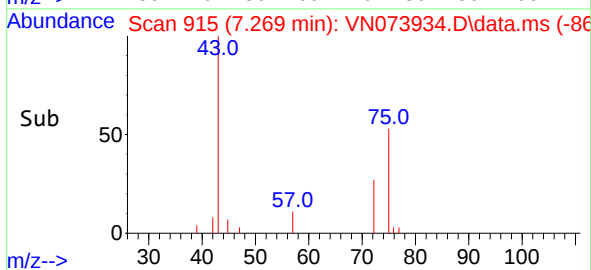
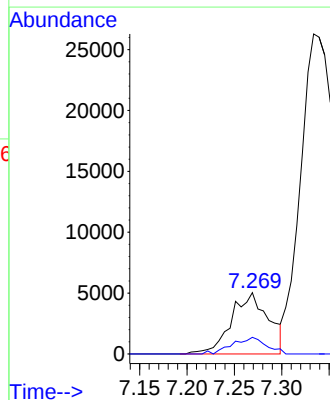
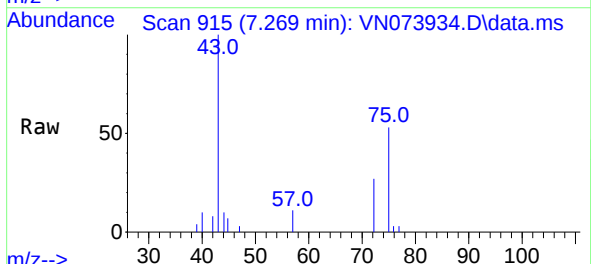
Ion	Ratio	Lower	Upper
84	100		
49	109.4	88.3	132.5
51	35.3	28.2	42.2
86	57.7	50.6	76.0

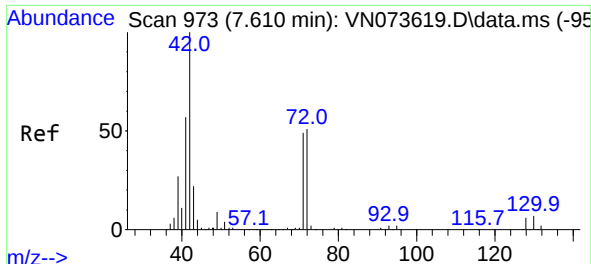


#25
2-Butanone
Concen: 2.956 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 43 Resp: 13739

Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.667 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

Instrument :

MSVOA_N

ClientSampleId :

VOC-WC-2

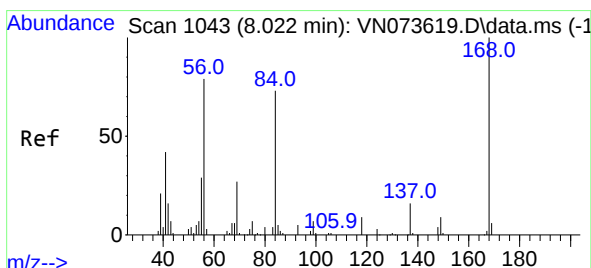
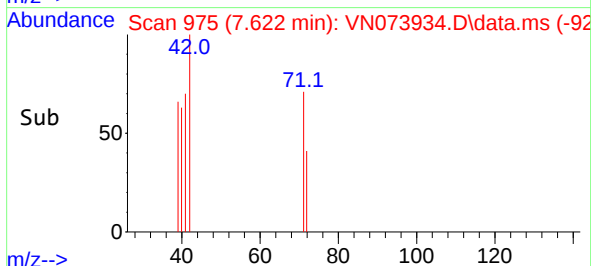
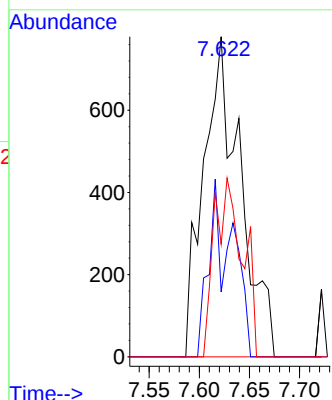
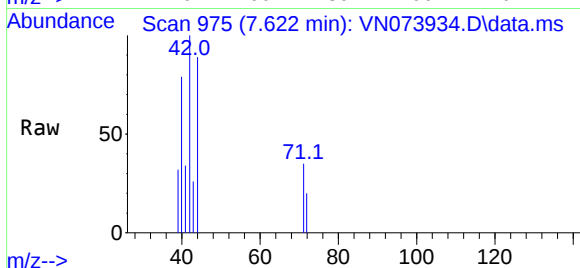
Tgt Ion: 42 Resp: 1988

Ion Ratio Lower Upper

42 100

72 17.5 39.7 59.5#

71 42.9 36.6 55.0



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

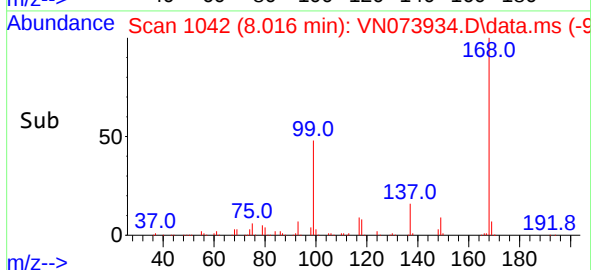
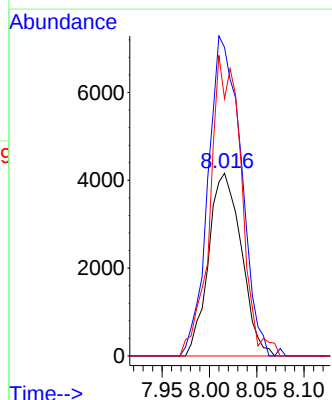
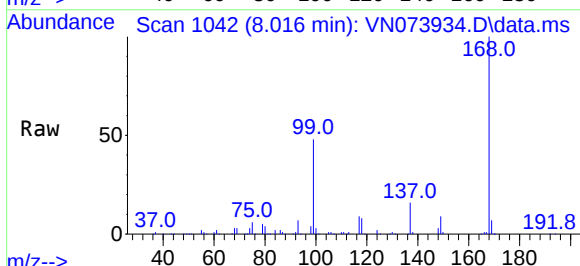
Tgt Ion: 56 Resp: 10044

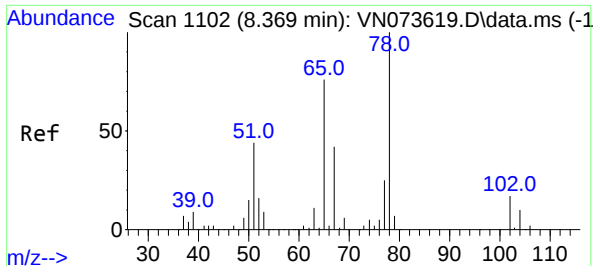
Ion Ratio Lower Upper

56 100

69 168.9 27.8 41.8#

84 140.8 76.9 115.3#

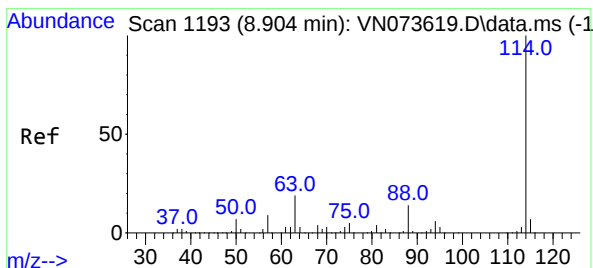
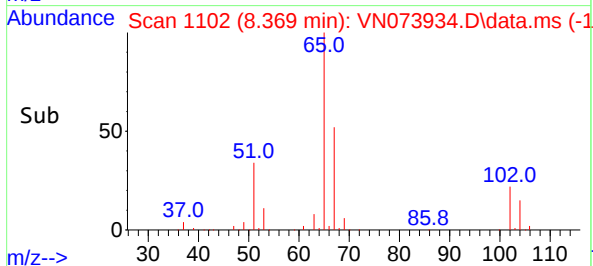
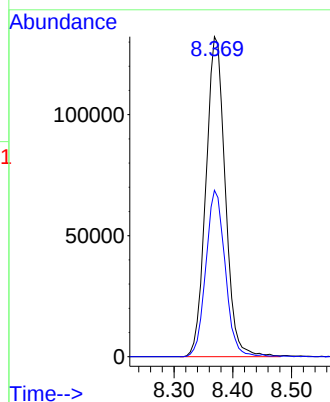
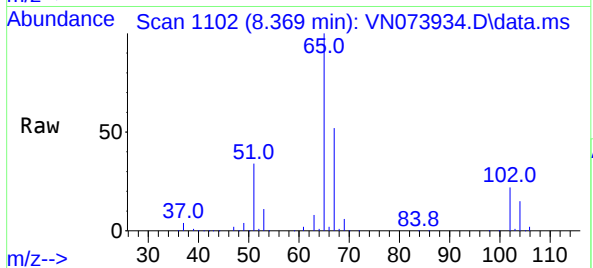




#33
1,2-Dichloroethane-d4
Concen: 48.673 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

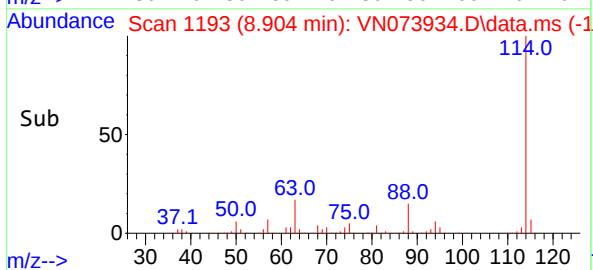
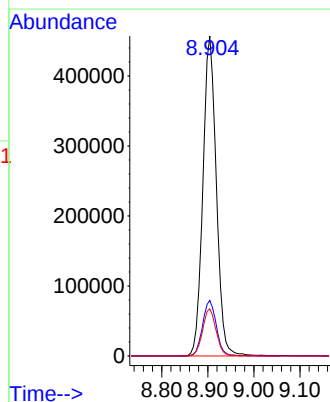
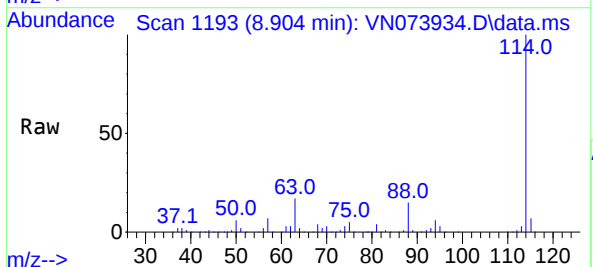
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

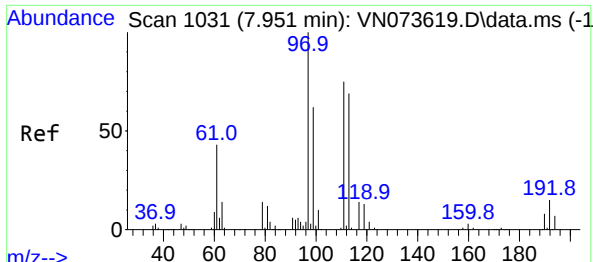
Tgt Ion: 65 Resp: 302389
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 114 Resp: 931422
Ion Ratio Lower Upper
114 100
63 17.3 0.0 40.0
88 14.7 0.0 32.6

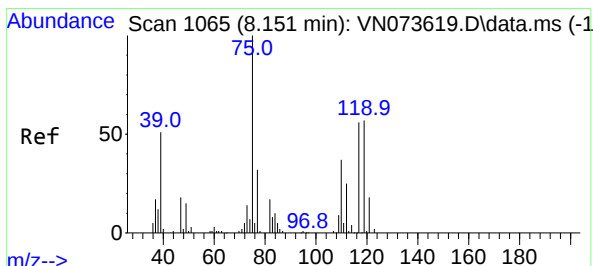
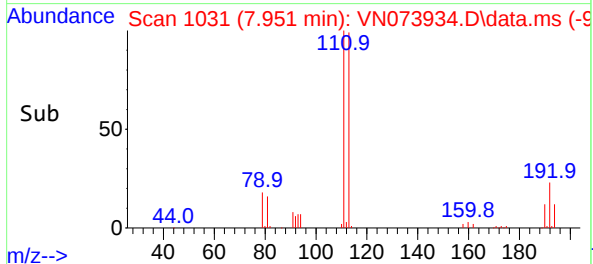
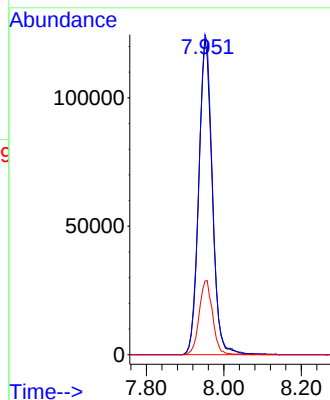
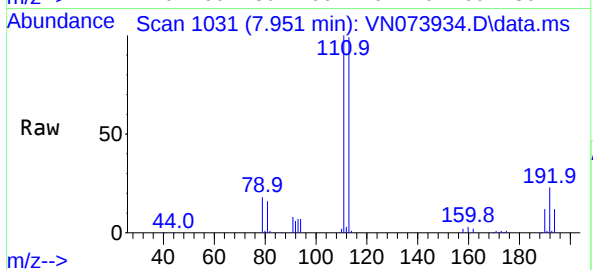




#35
Dibromofluoromethane
Concen: 53.684 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

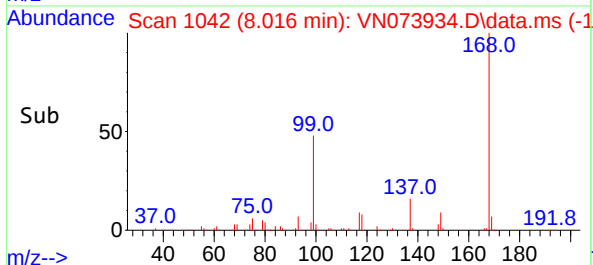
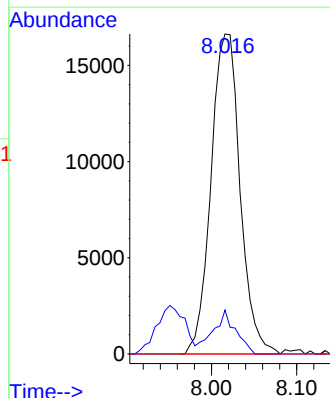
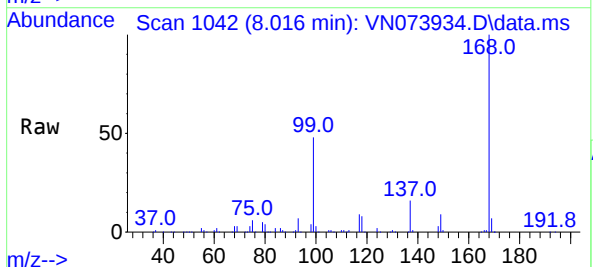
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

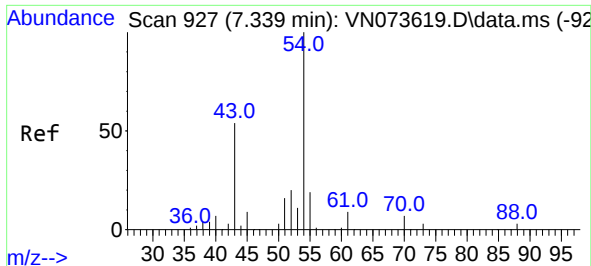
Tgt Ion:113 Resp: 295709
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 23.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 75 Resp: 39391
Ion Ratio Lower Upper
75 100
110 10.8 18.3 54.8#
77 0.0 25.1 37.7#



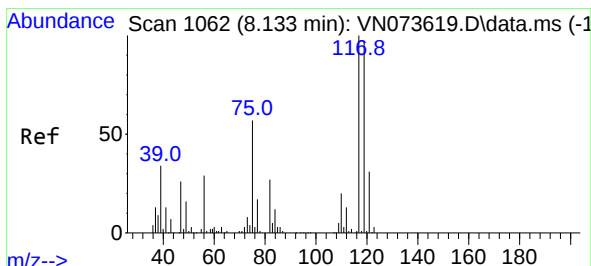
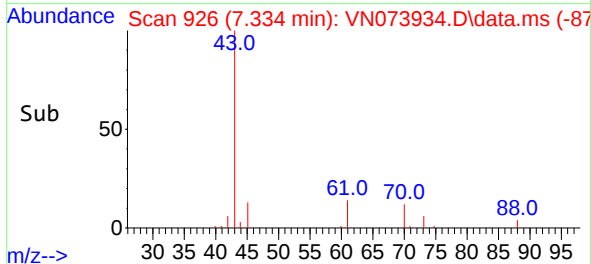
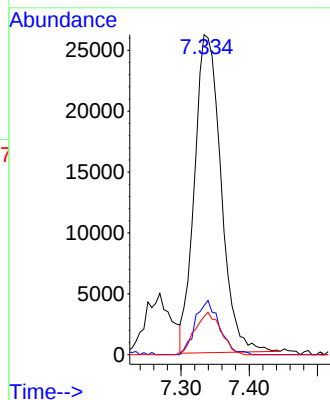
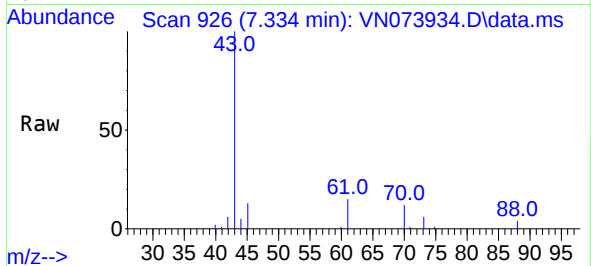


#37
Ethyl Acetate
Concen: 7.608 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

Tgt Ion: 43 Resp: 70519

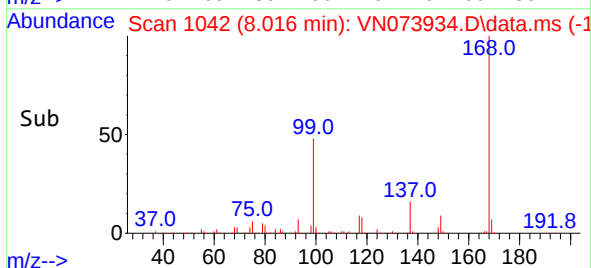
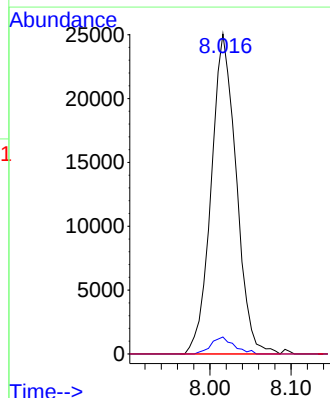
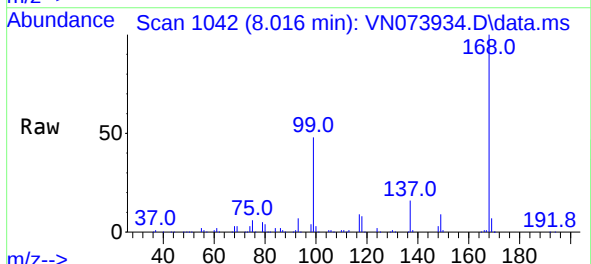
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	13.0	9.3	13.9

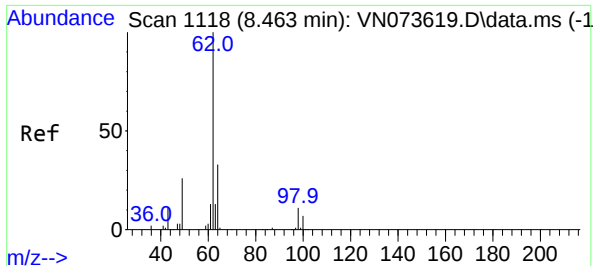


#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 117 Resp: 53705

Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.8	113.8#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

Instrument :

MSVOA_N

ClientSampleId :

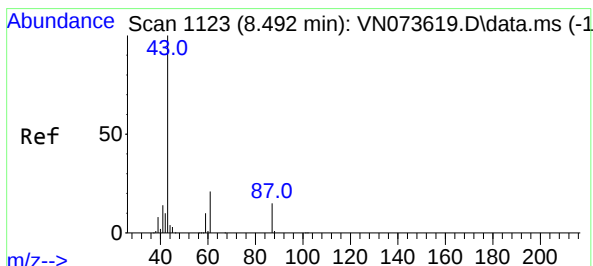
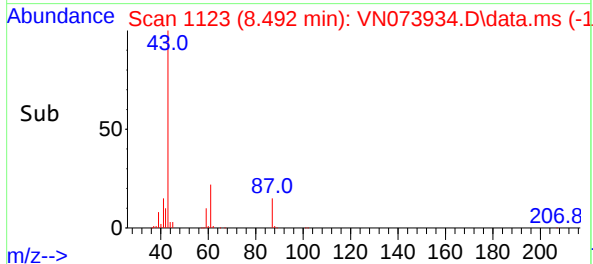
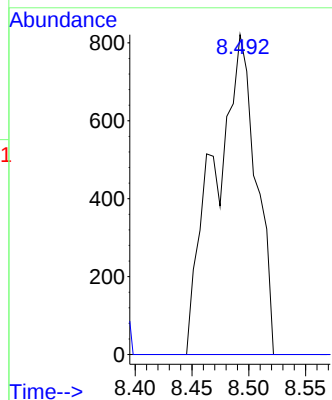
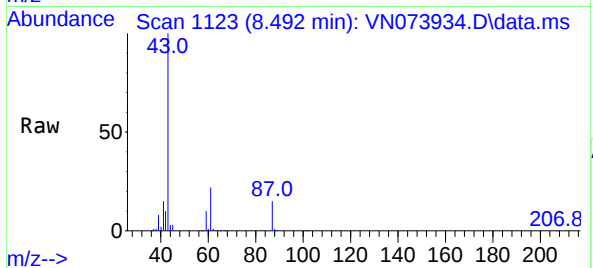
VOC-WC-2

Tgt Ion: 62 Resp: 2096

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 23.591 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

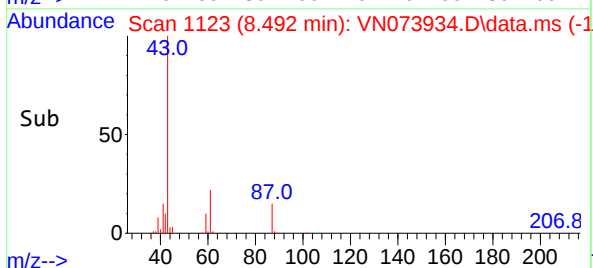
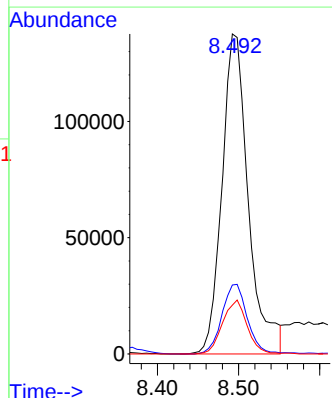
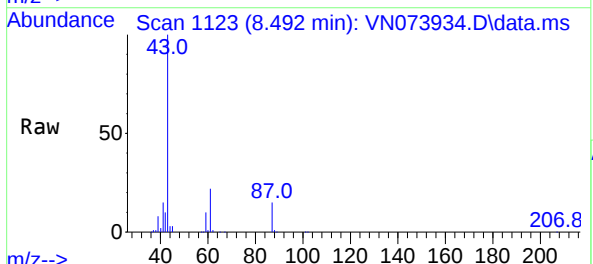
Tgt Ion: 43 Resp: 311507

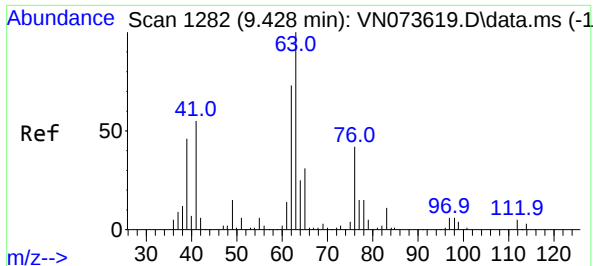
Ion Ratio Lower Upper

43 100

61 21.1 21.9 32.9#

87 15.7 12.0 18.0

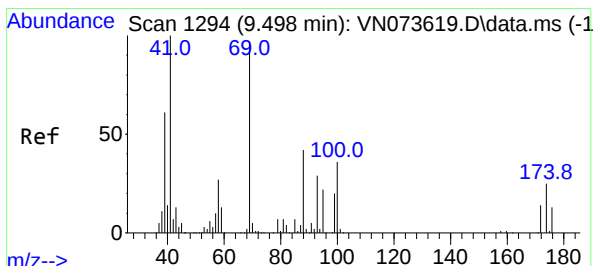
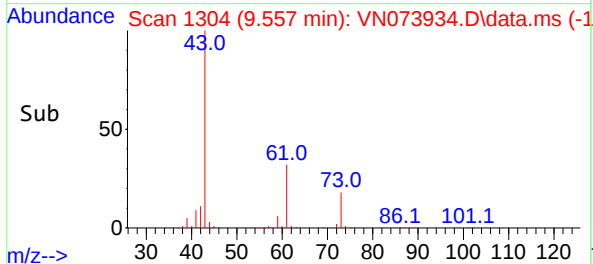
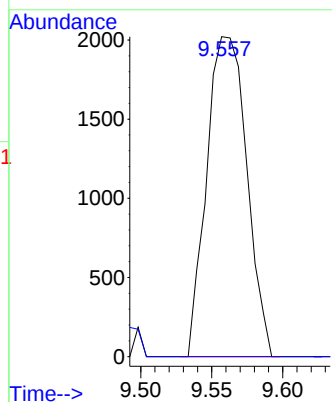
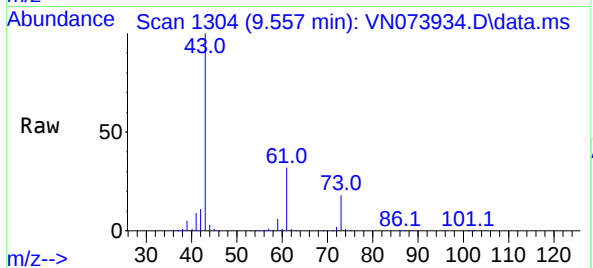




#45
1,2-Dichloropropane
Concen: 0.685 ug/l
RT: 9.557 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

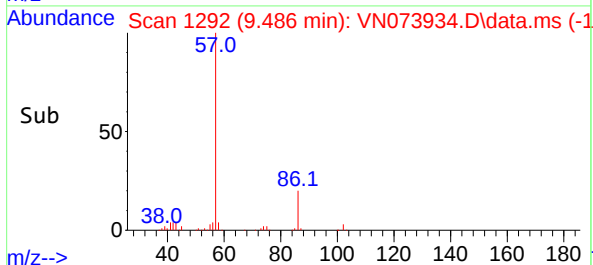
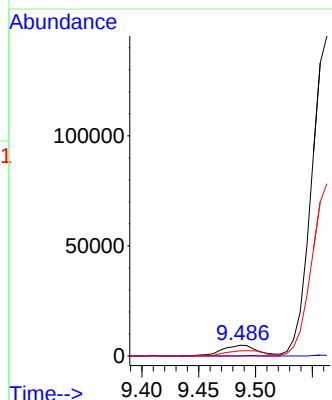
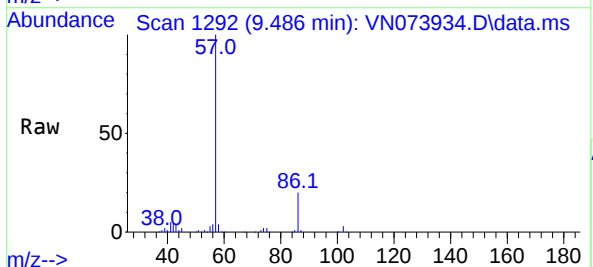
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

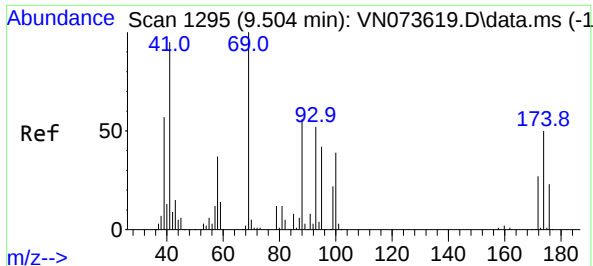
Tgt Ion: 63 Resp: 3965
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.890 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 41 Resp: 10681
Ion Ratio Lower Upper
41 100
69 1.1 74.7 112.1#
39 54.0 45.6 68.4





#49

1,4-Dioxane

Concen: 3.654 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

Instrument :

MSVOA_N

ClientSampleId :

VOC-WC-2

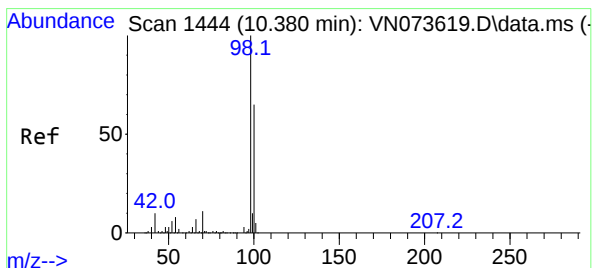
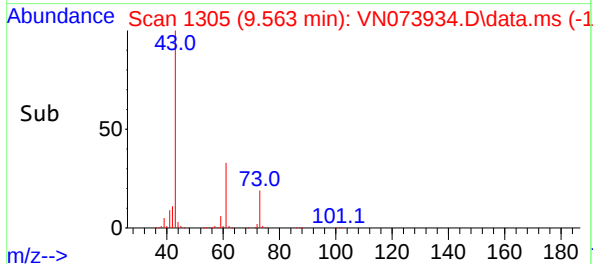
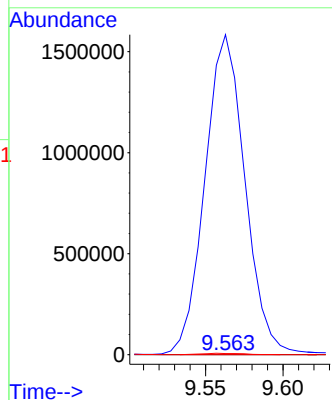
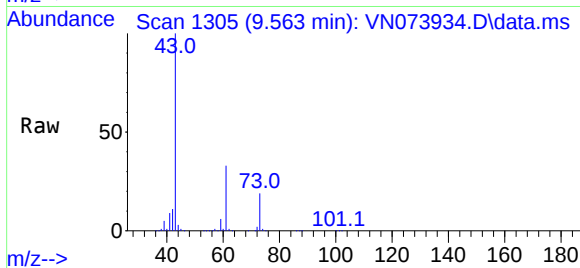
Tgt Ion: 88 Resp: 614

Ion Ratio Lower Upper

88 100

43 465972.1 20.2 30.4#

58 2150.7 54.2 81.4#



#50

Toluene-d8

Concen: 46.804 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073934.D

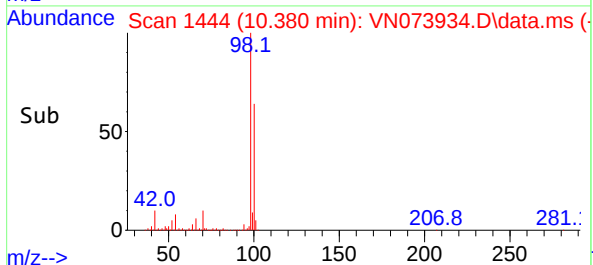
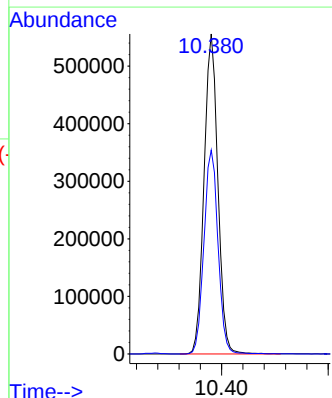
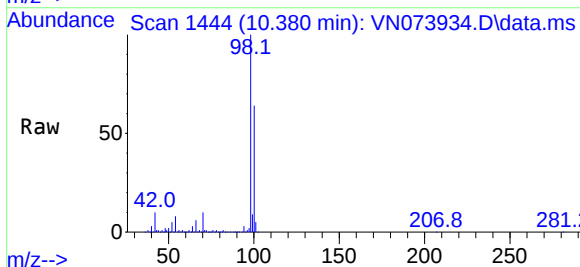
Acq: 16 Aug 2022 07:48

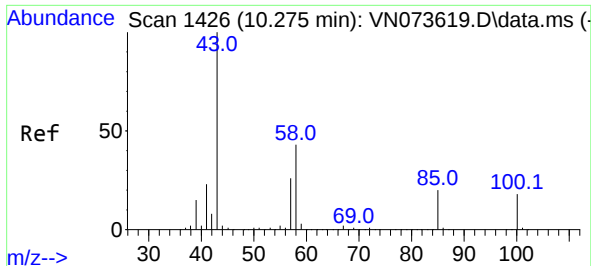
Tgt Ion: 98 Resp: 998478

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.562 ug/l

RT: 10.275 min Scan# 1426

Delta R.T. -0.000 min

Lab File: VN073934.D

Acq: 16 Aug 2022 07:48

Instrument :

MSVOA_N

ClientSampleId :

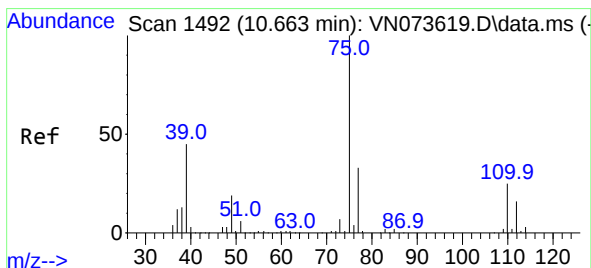
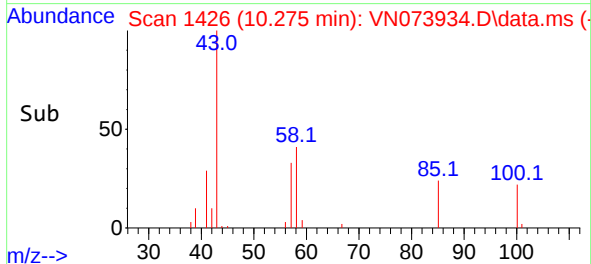
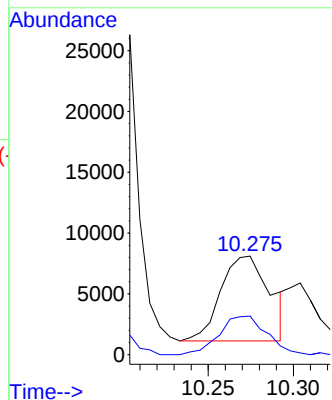
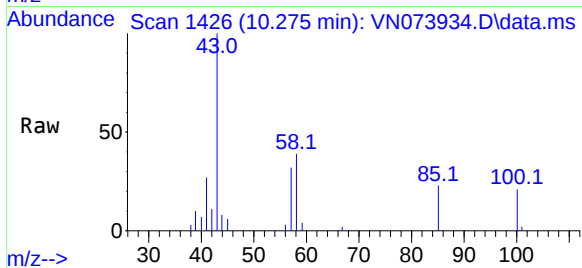
VOC-WC-2

Tgt Ion: 43 Resp: 13947

Ion Ratio Lower Upper

43 100

58 44.5 34.1 51.1



#53

t-1,3-Dichloropropene

Concen: 0.239 ug/l

RT: 10.551 min Scan# 1473

Delta R.T. -0.112 min

Lab File: VN073934.D

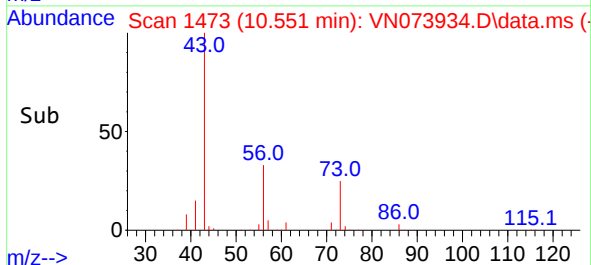
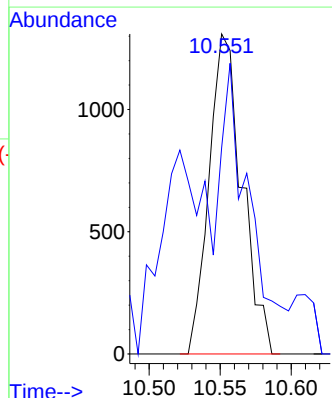
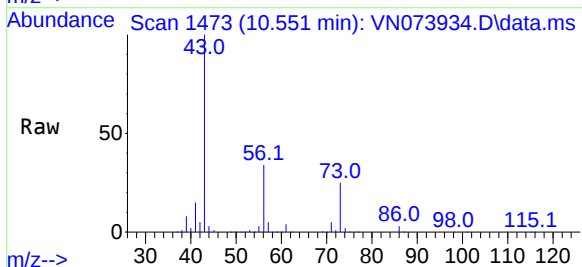
Acq: 16 Aug 2022 07:48

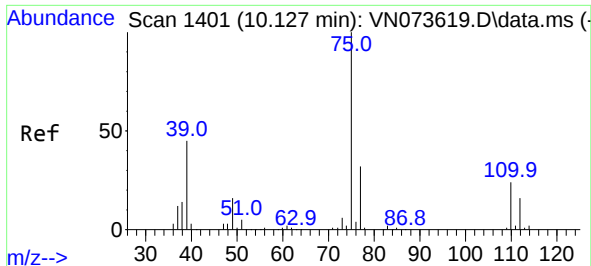
Tgt Ion: 75 Resp: 2109

Ion Ratio Lower Upper

75 100

77 49.6 25.6 38.4#

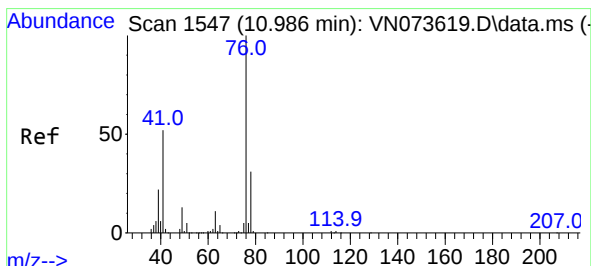
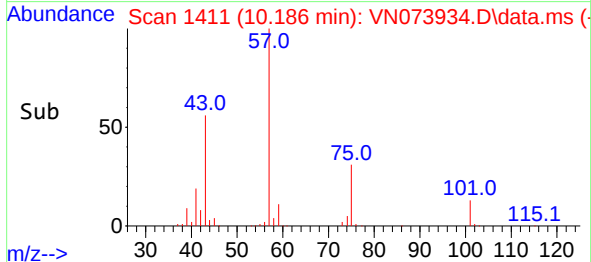
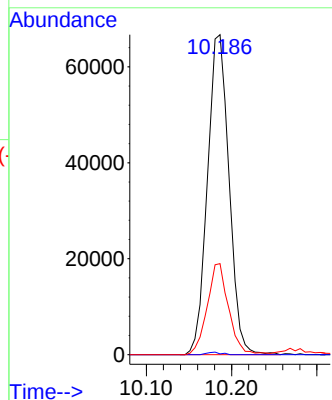
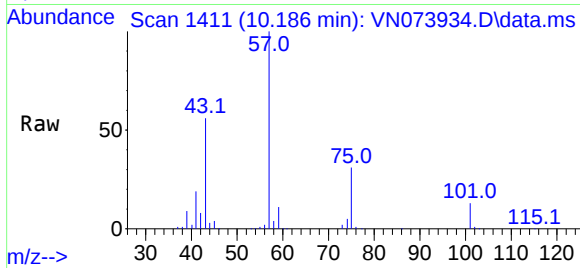




#54
 cis-1,3-Dichloropropene
 Concen: 12.154 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073934.D
 Acq: 16 Aug 2022 07:48

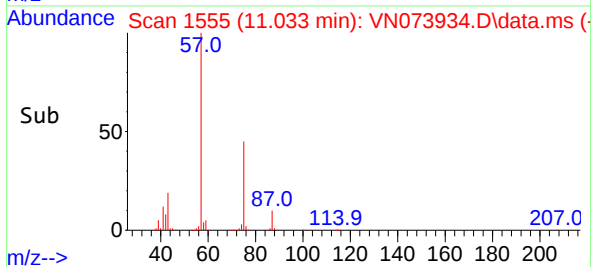
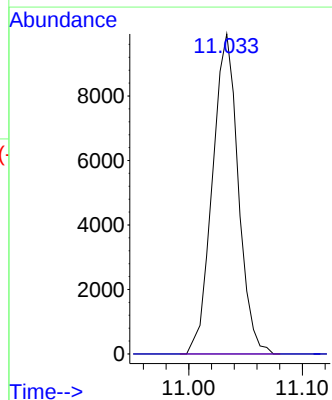
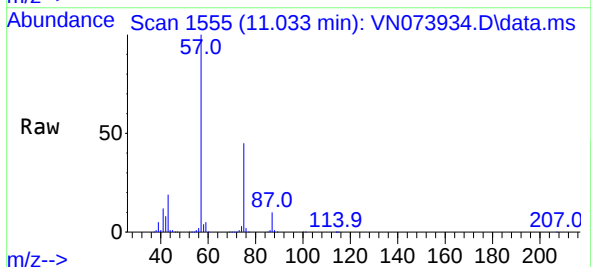
Instrument :
 MSVOA_N
 ClientSampleId :
 VOC-WC-2

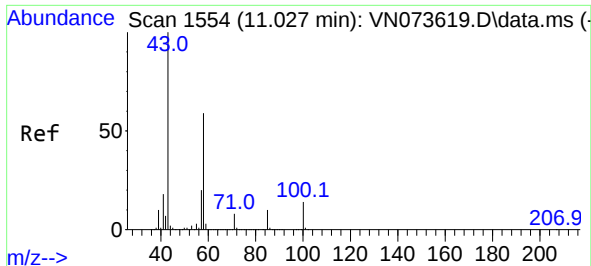
Tgt Ion: 75 Resp: 117365
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 28.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.496 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073934.D
 Acq: 16 Aug 2022 07:48

Tgt Ion: 76 Resp: 15672
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

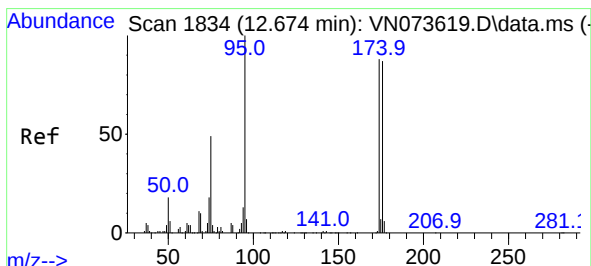
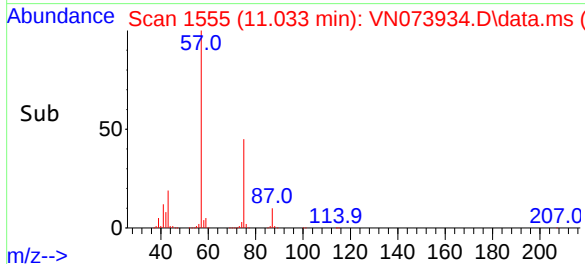
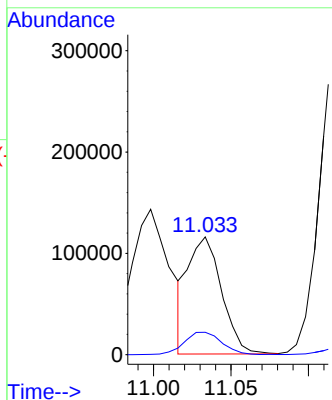
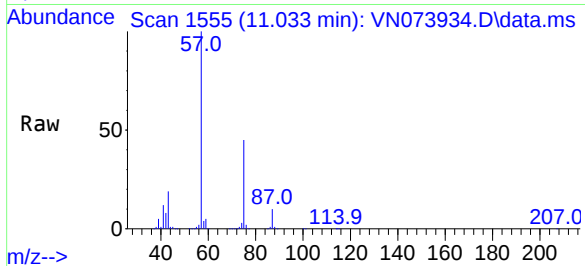




#59
2-Hexanone
Concen: 25.323 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

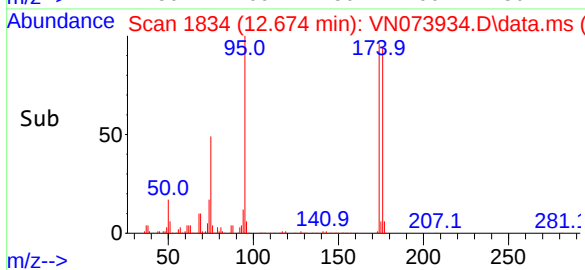
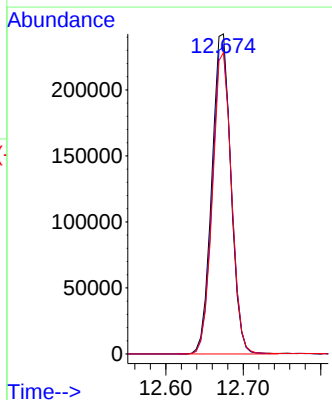
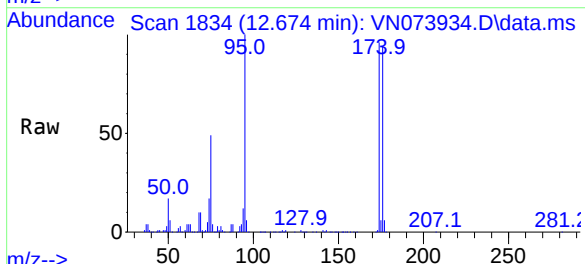
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

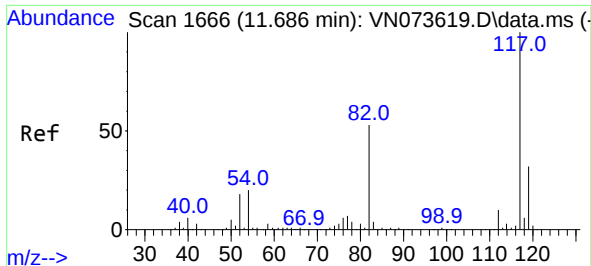
Tgt Ion: 43 Resp: 173988
Ion Ratio Lower Upper
43 100
58 21.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.474 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion: 95 Resp: 414006
Ion Ratio Lower Upper
95 100
174 95.7 0.0 167.6
176 93.4 0.0 163.4

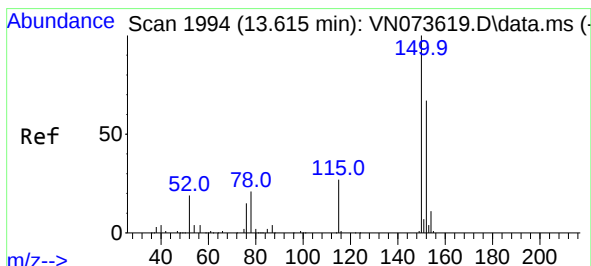
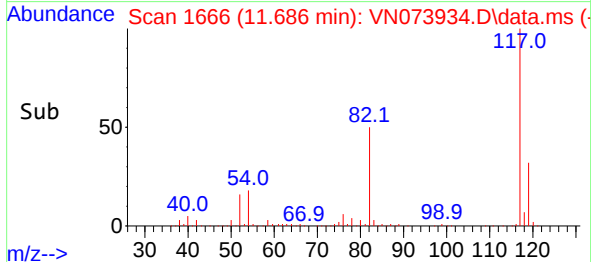
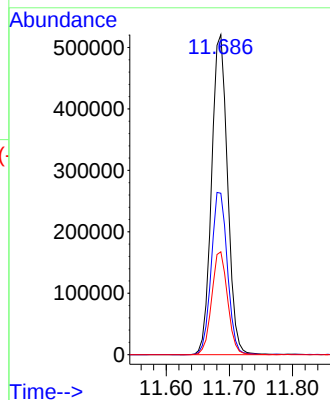
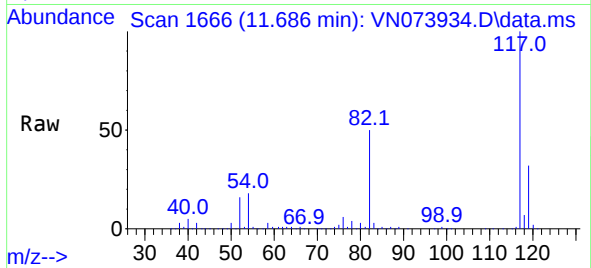




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

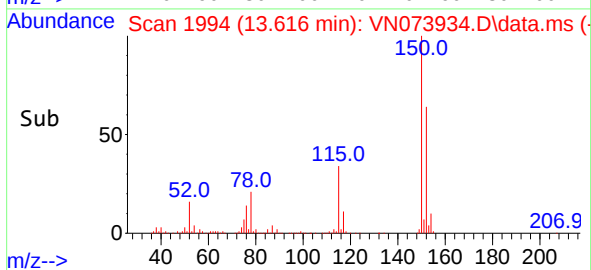
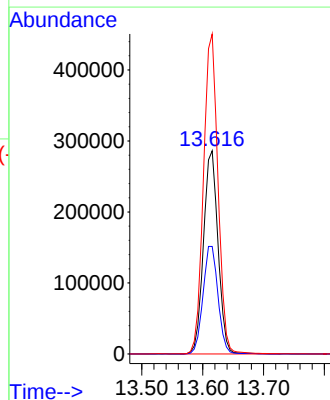
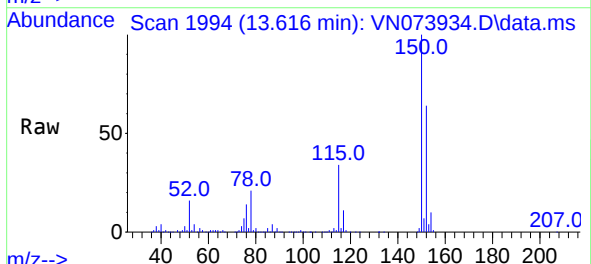
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

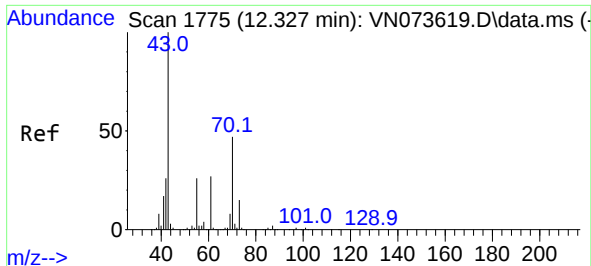
Tgt Ion:117 Resp: 914713
Ion Ratio Lower Upper
117 100
82 50.5 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Tgt Ion:152 Resp: 475953
Ion Ratio Lower Upper
152 100
115 54.6 28.9 86.7
150 157.2 0.0 356.2

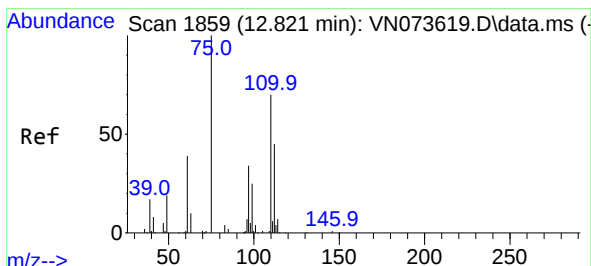
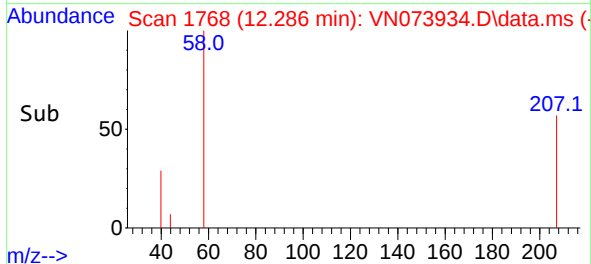
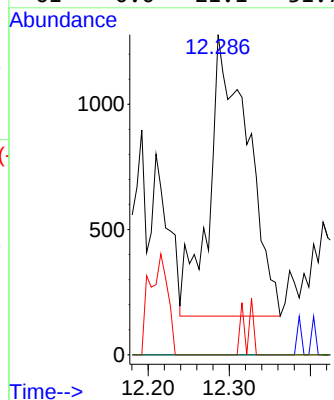
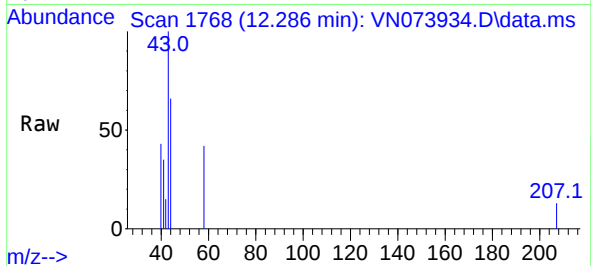




#74
N-amy1 acetate
Concen: 0.286 ug/l
RT: 12.286 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

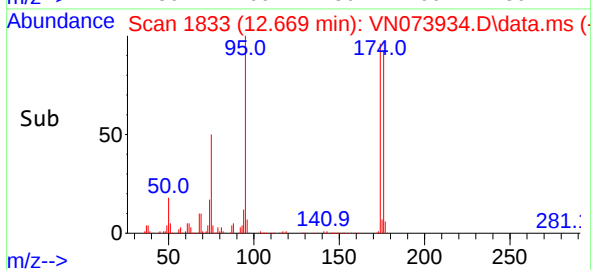
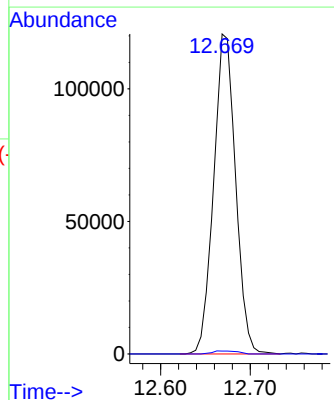
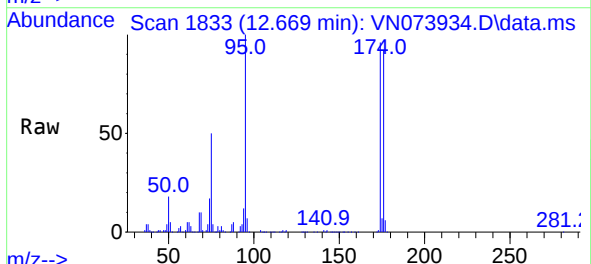
Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2

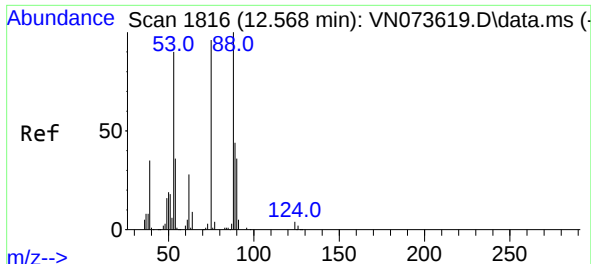
Tgt Ion:	43	Resp:	3752
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.718 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

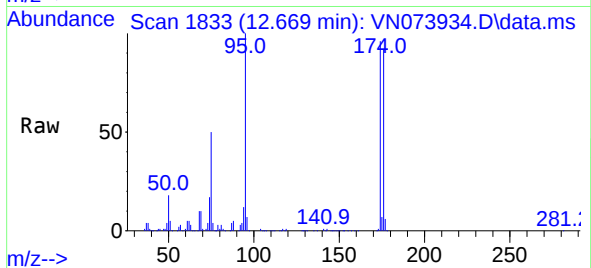
Tgt Ion:	75	Resp:	204957
Ion	Ratio	Lower	Upper
75	100		
77	1.1	98.5	295.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 58.926 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.101 min
Lab File: VN073934.D
Acq: 16 Aug 2022 07:48

Instrument :
MSVOA_N
ClientSampleId :
VOC-WC-2



Tgt Ion: 75 Resp: 204957
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

