

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073921.D
 Acq On : 16 Aug 2022 02:31
 Operator : JC\MD
 Sample : N4188-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S15

Quant Time: Aug 16 05:14:23 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)

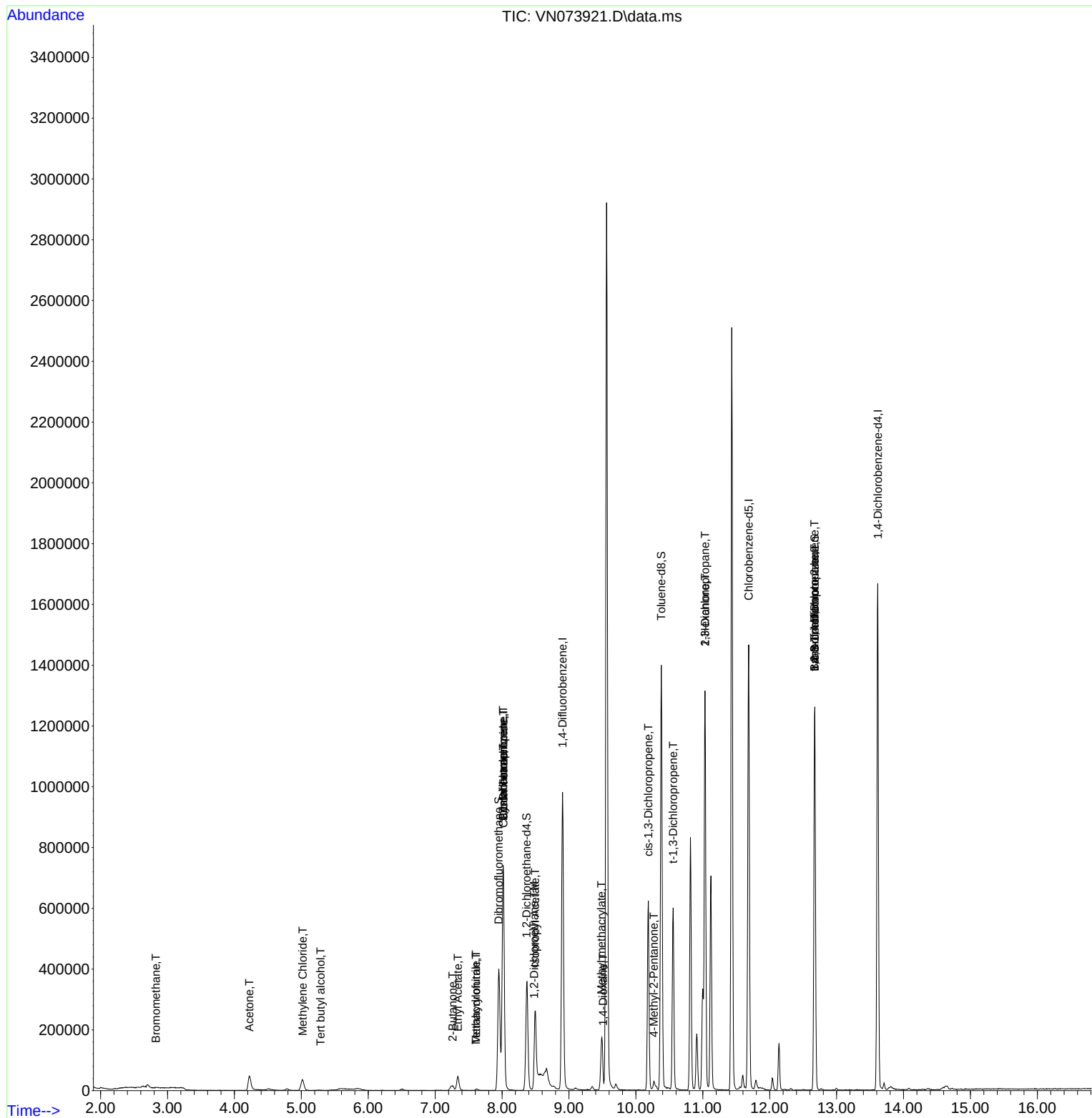
Internal Standards						
1) Pentafluorobenzene	8.016	168	640645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	929135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	906406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	492096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	298311	47.807	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.620%		
35) Dibromofluoromethane	7.951	113	290276	52.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.660%		
50) Toluene-d8	10.380	98	989851	46.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.020%		
62) 4-Bromofluorobenzene	12.674	95	416735	59.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	118.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.828	94	1449	0.320	ug/l #	68
11) Tert butyl alcohol	5.287	59	281	0.201	ug/l #	72
16) Acetone	4.222	43	90455	30.726	ug/l	98
18) Methyl Acetate	4.787	43	10834	Below Cal		96
20) Methylene Chloride	5.022	84	30910	4.976	ug/l	88
25) 2-Butanone	7.263	43	16952	3.632	ug/l	95
29) Tetrahydrofuran	7.610	42	3961	1.323	ug/l #	29
31) Cyclohexane	8.016	56	10332	1.188	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39508	5.177	ug/l #	49
37) Ethyl Acetate	7.339	43	69140	7.478	ug/l	98
38) Carbon Tetrachloride	8.022	117	55495	6.361	ug/l #	16
41) Methacrylonitrile	7.610	41	2177	0.521	ug/l #	38
42) 1,2-Dichloroethane	8.481	62	2261	0.273	ug/l #	74
43) Isopropyl Acetate	8.492	43	337633	25.633	ug/l #	90
48) Methyl methacrylate	9.486	41	9652	1.713	ug/l #	39
49) 1,4-Dioxane	9.510	88	56	0.334	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	16598	1.864	ug/l	92
53) t-1,3-Dichloropropene	10.557	75	1955	0.222	ug/l #	47
54) cis-1,3-Dichloropropene	10.186	75	121368	12.600	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	15117	1.447	ug/l #	42
59) 2-Hexanone	11.033	43	173860	25.367	ug/l #	49
71) Bromoform	12.669	173	1872	0.287	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	205792	20.120	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	205792	57.225	ug/l #	10

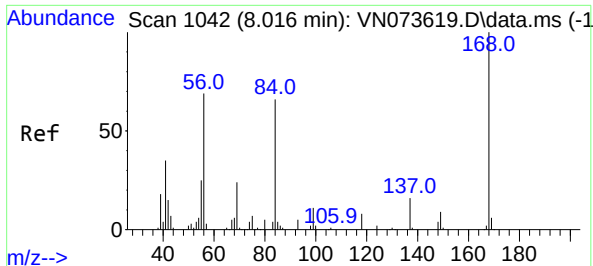
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

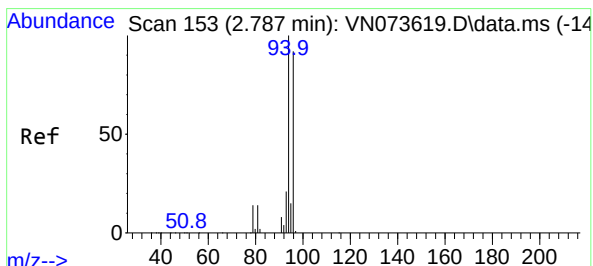
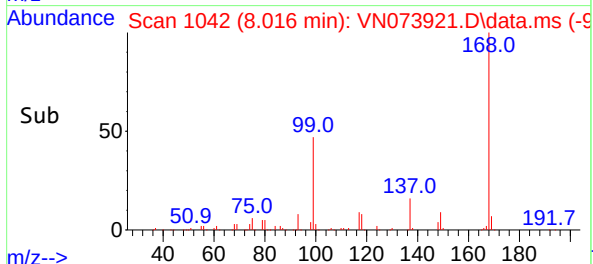
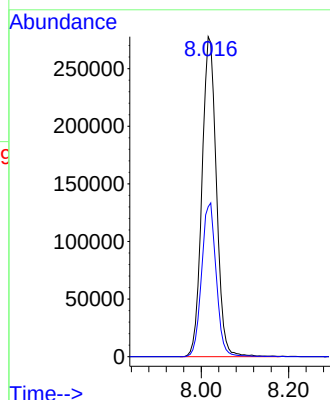
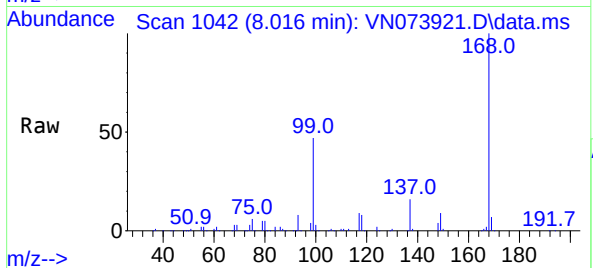




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

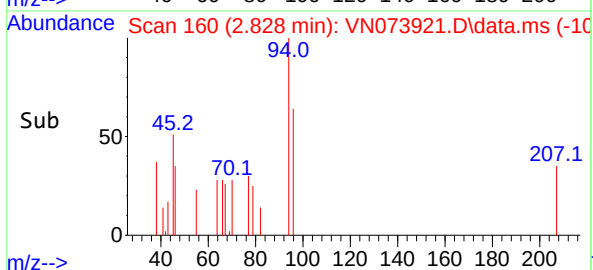
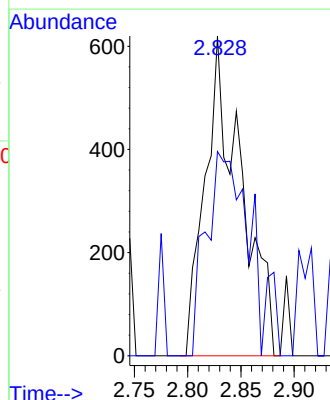
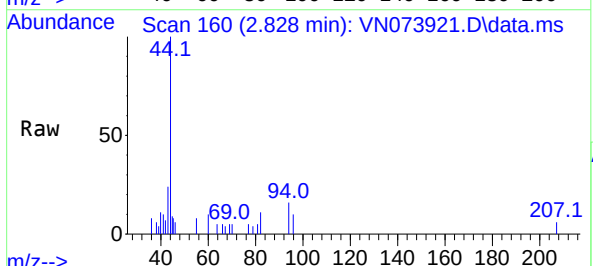
Instrument :
MSVOA_N
ClientSampleId :
S15

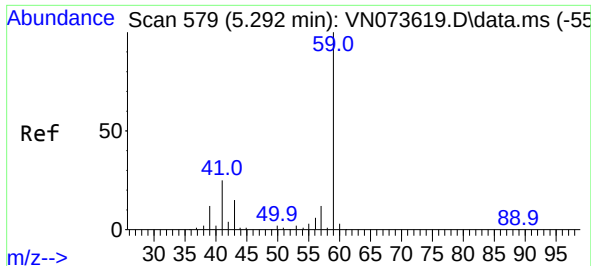
Tgt Ion:168 Resp: 640645
Ion Ratio Lower Upper
168 100
99 46.9 42.3 63.5



#5
Bromomethane
Concen: 0.320 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.041 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 94 Resp: 1449
Ion Ratio Lower Upper
94 100
96 63.9 76.0 114.0#

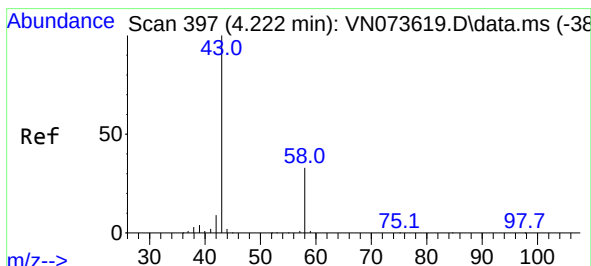
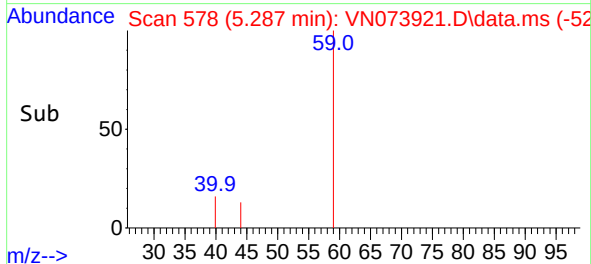
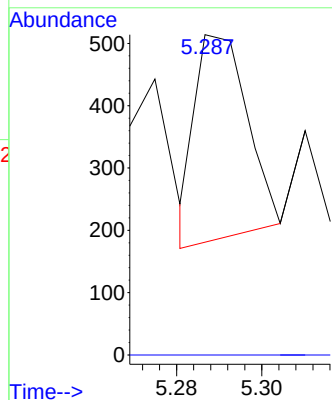
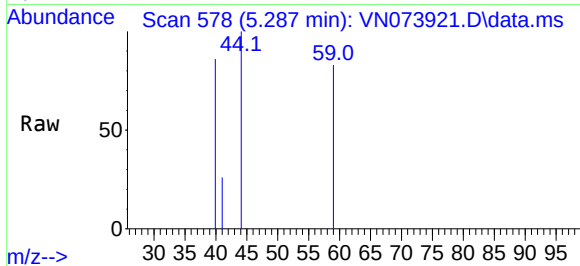




#11
Tert butyl alcohol
Concen: 0.201 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

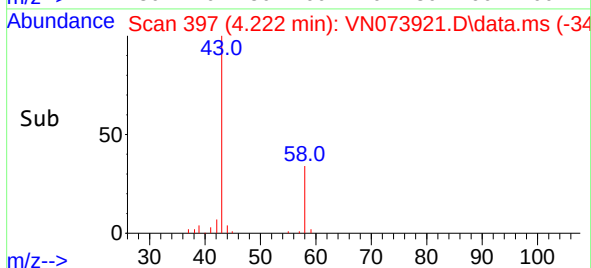
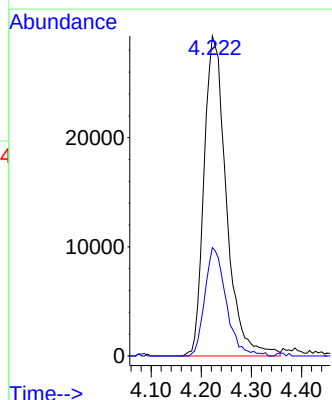
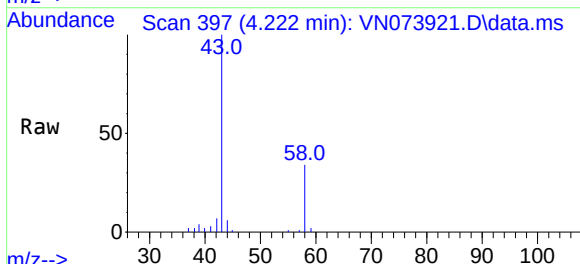
Instrument :
MSVOA_N
ClientSampleId :
S15

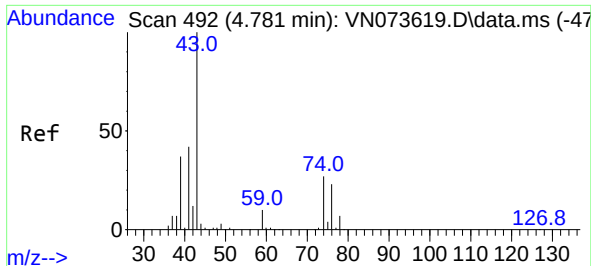
Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 30.726 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 43 Resp: 90455
Ion Ratio Lower Upper
43 100
58 33.9 26.0 39.0

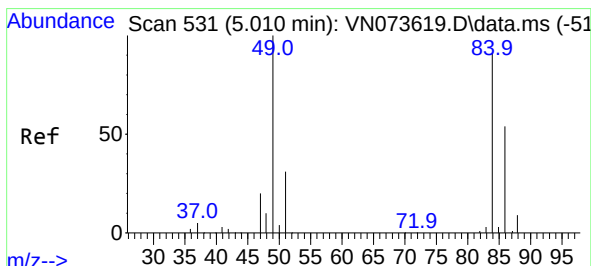
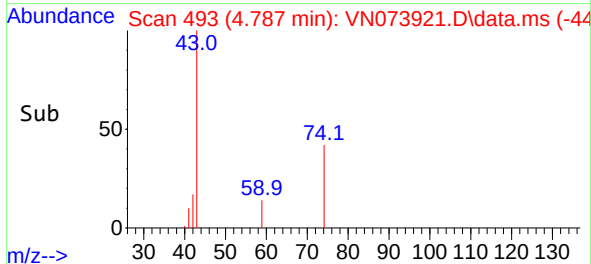
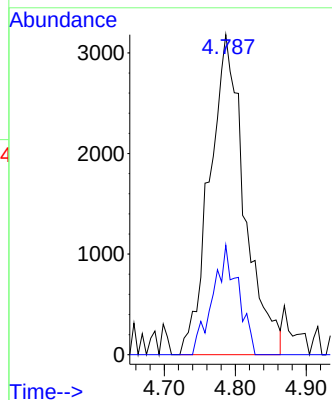
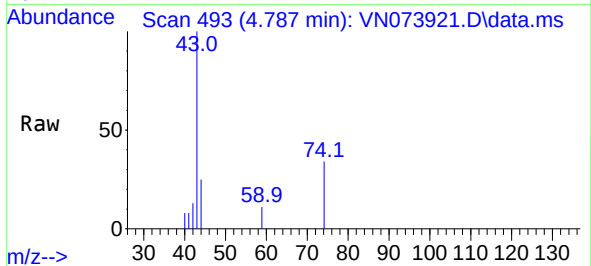




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

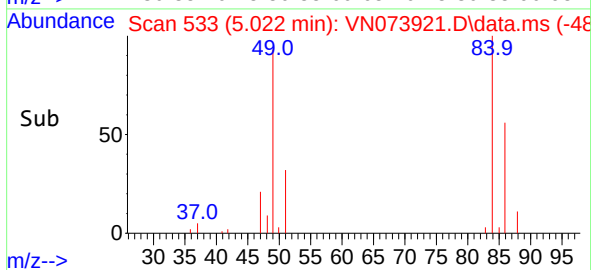
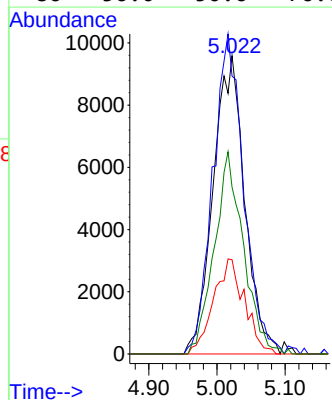
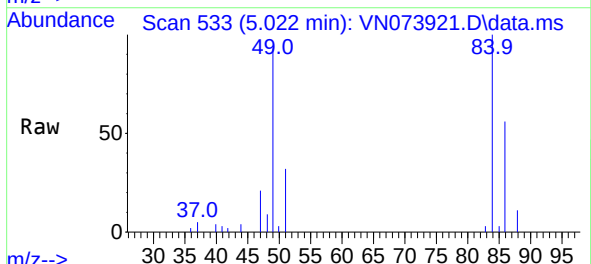
Instrument :
MSVOA_N
ClientSampleId :
S15

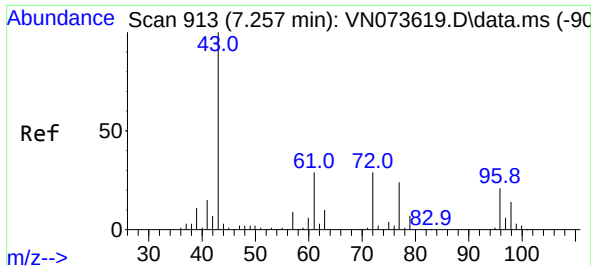
Tgt Ion: 43 Resp: 10834
Ion Ratio Lower Upper
43 100
74 24.9 21.6 32.4



#20
Methylene Chloride
Concen: 4.976 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 84 Resp: 30910
Ion Ratio Lower Upper
84 100
49 93.2 88.3 132.5
51 31.6 28.2 42.2
86 56.0 50.6 76.0

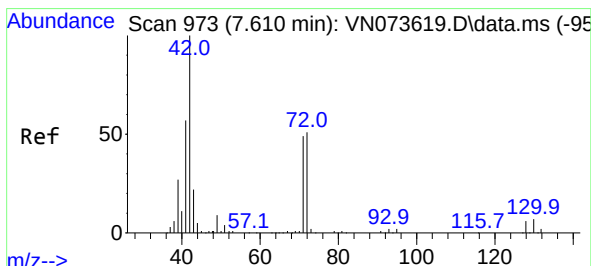
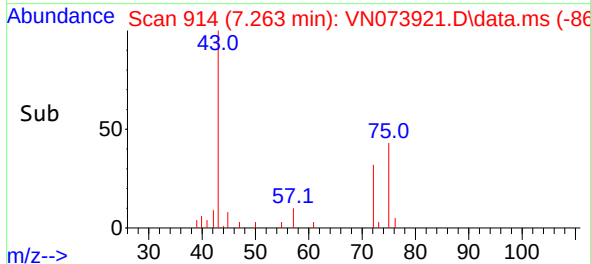
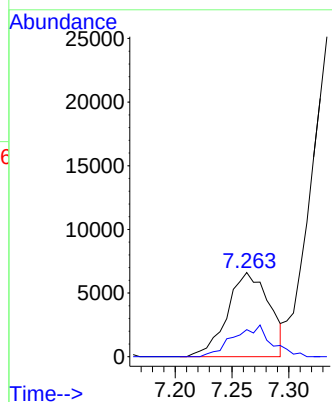
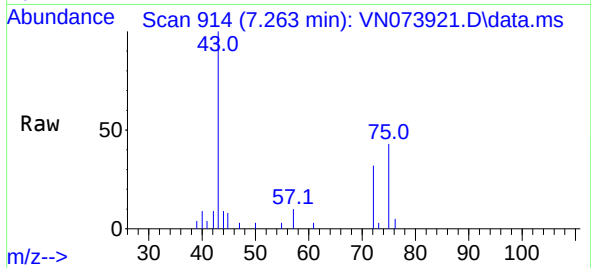




#25
2-Butanone
Concen: 3.632 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

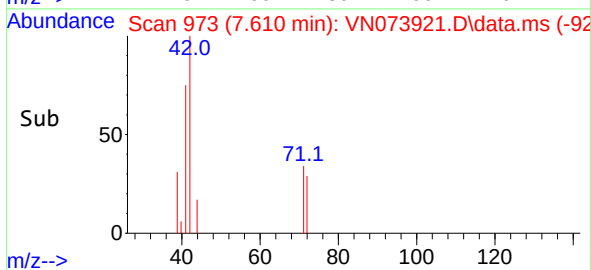
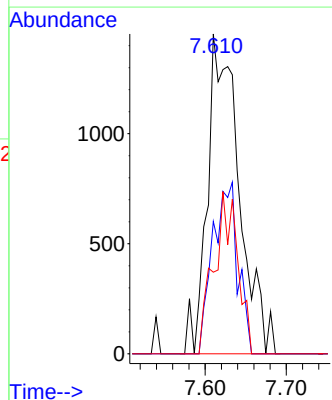
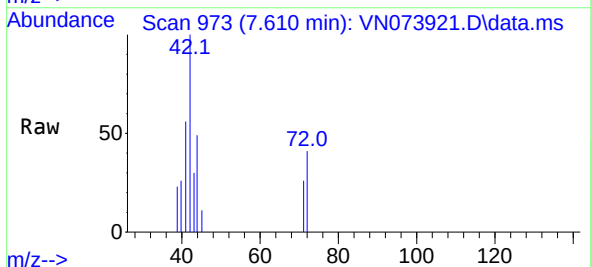
Instrument :
MSVOA_N
ClientSampleId :
S15

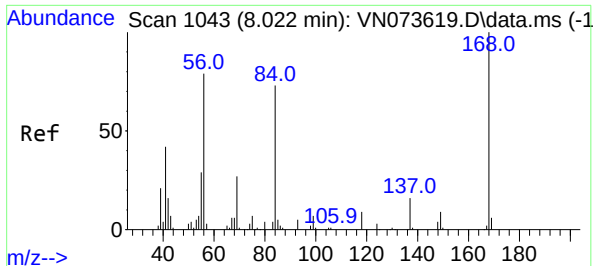
Tgt Ion: 43 Resp: 16952
Ion Ratio Lower Upper
43 100
72 32.1 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.323 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 42 Resp: 3961
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073921.D

Acq: 16 Aug 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

S15

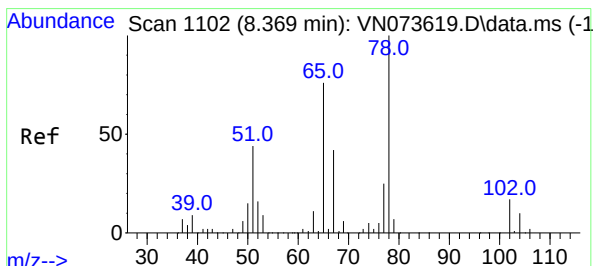
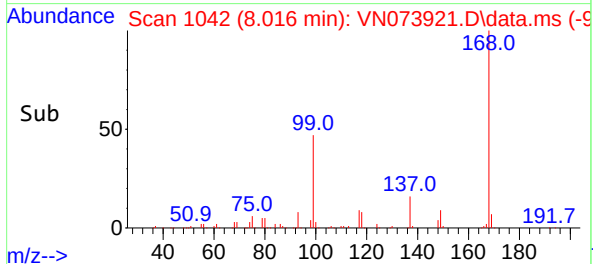
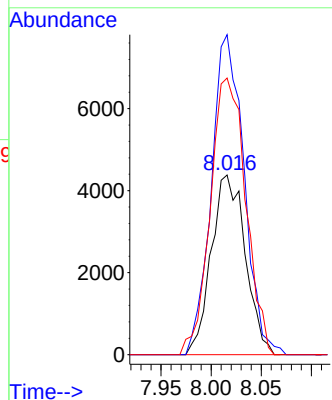
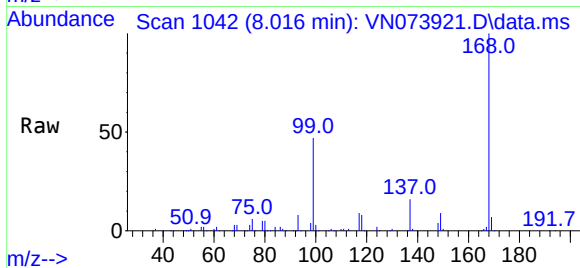
Tgt Ion: 56 Resp: 10332

Ion Ratio Lower Upper

56 100

69 178.1 27.8 41.8#

84 153.9 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.807 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073921.D

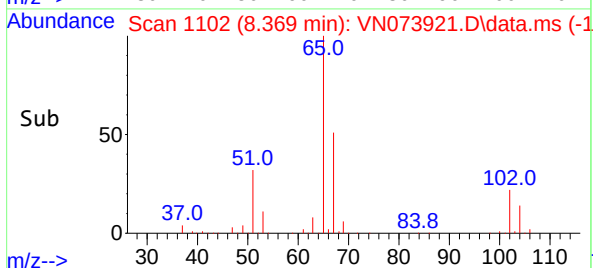
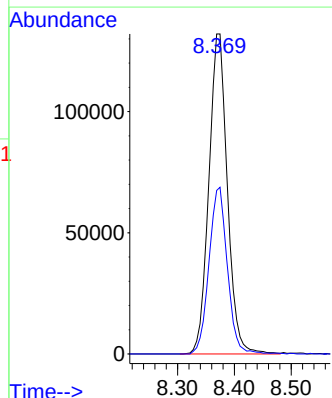
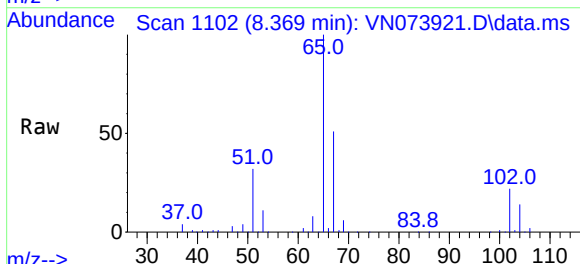
Acq: 16 Aug 2022 02:31

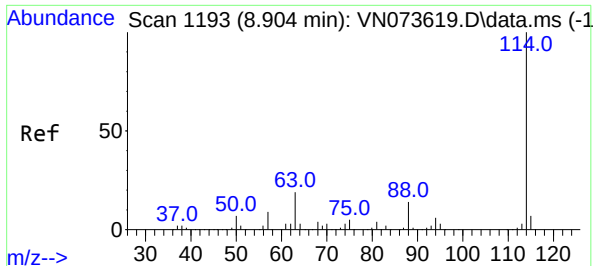
Tgt Ion: 65 Resp: 298311

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8

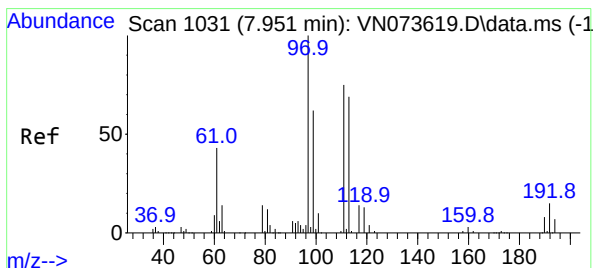
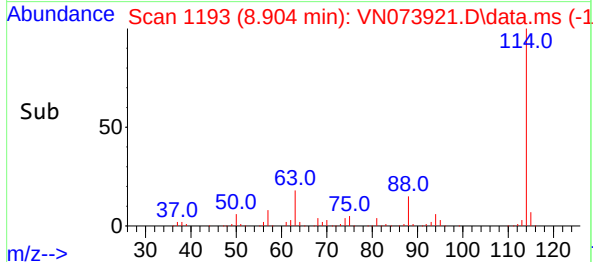
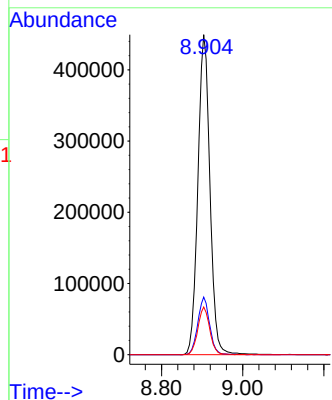
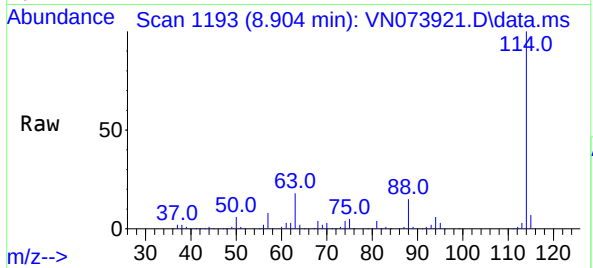




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

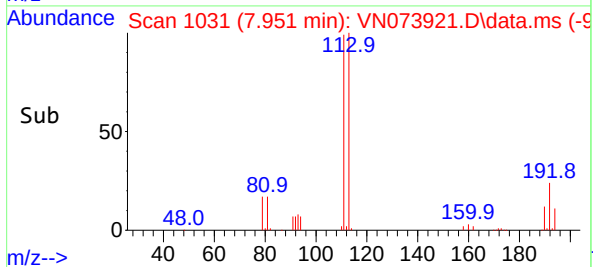
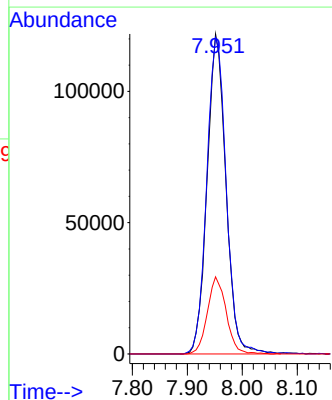
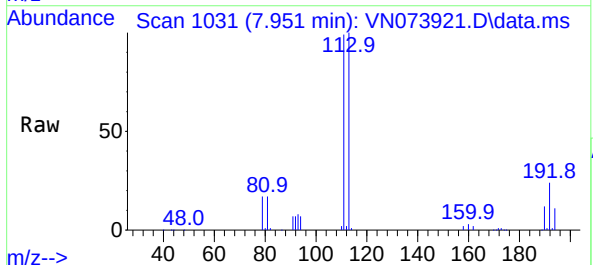
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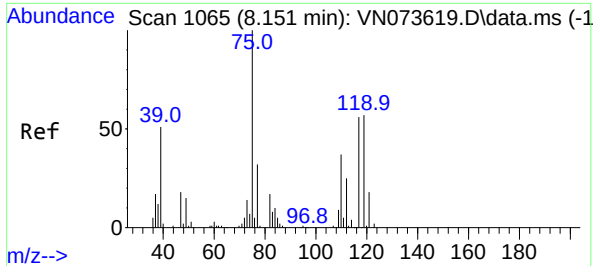
Tgt Ion:114 Resp: 929135
Ion Ratio Lower Upper
114 100
63 18.0 0.0 40.0
88 14.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.827 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion:113 Resp: 290276
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 24.1 17.0 25.6

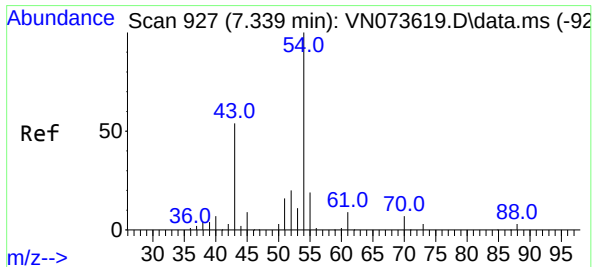
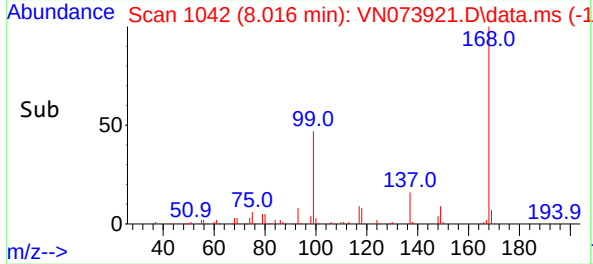
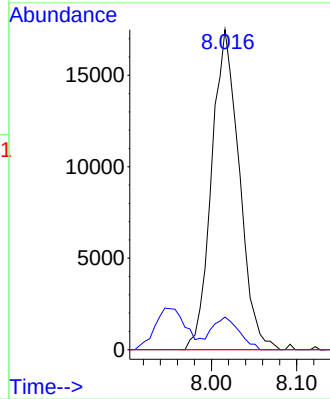
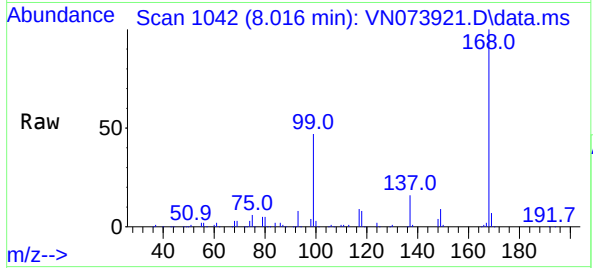




#36
1,1-Dichloropropene
Concen: 5.177 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

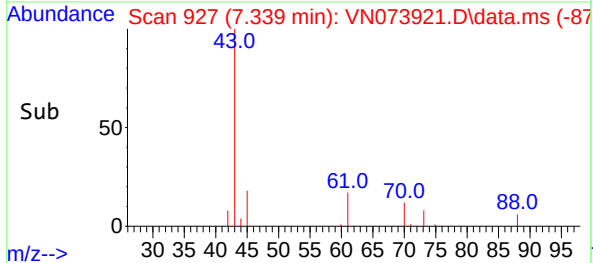
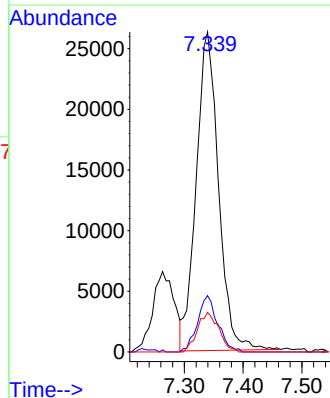
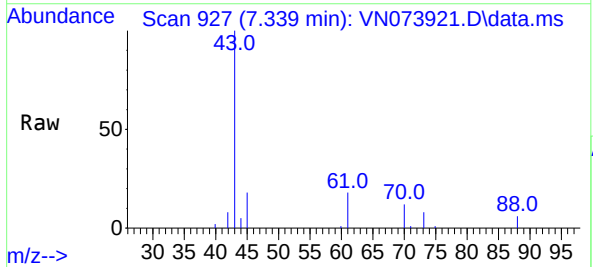
Instrument :
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ClientSampleId :
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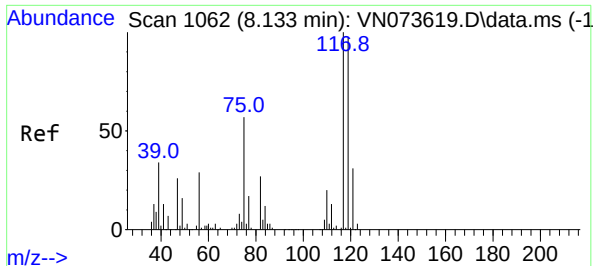
Tgt Ion:	75	Resp:	39508
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.8#
77	0.0	25.1	37.7#



#37
Ethyl Acetate
Concen: 7.478 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion:	43	Resp:	69140
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	11.9	9.3	13.9

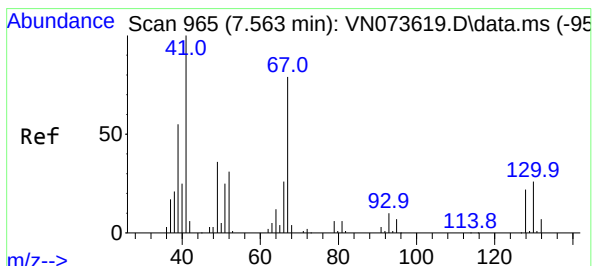
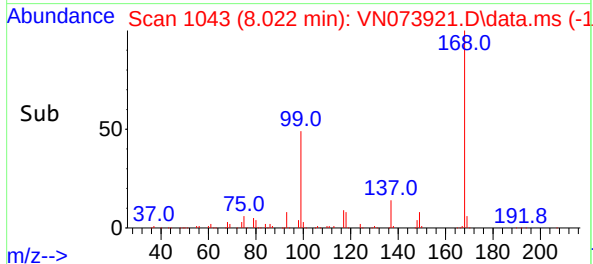
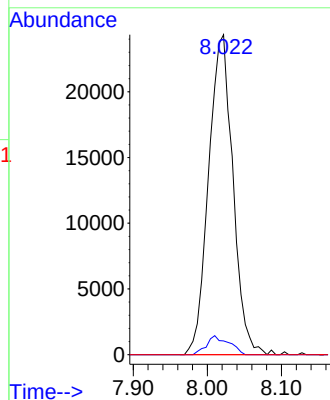
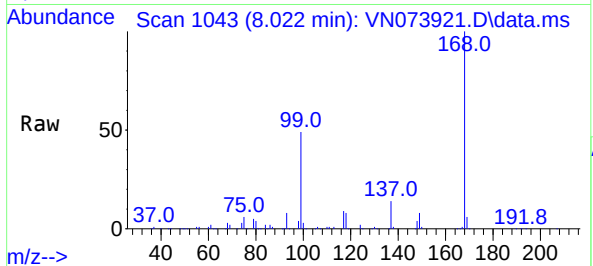




#38
Carbon Tetrachloride
Concen: 6.361 ug/l
RT: 8.022 min Scan# 117
Delta R.T. -0.111 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

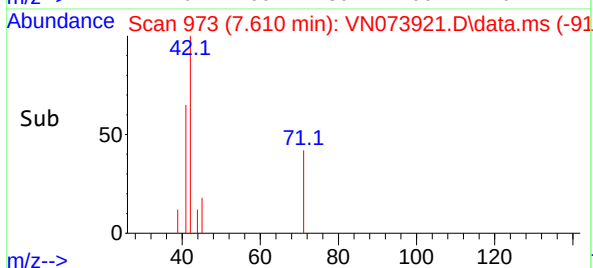
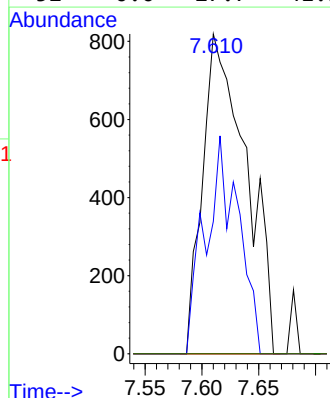
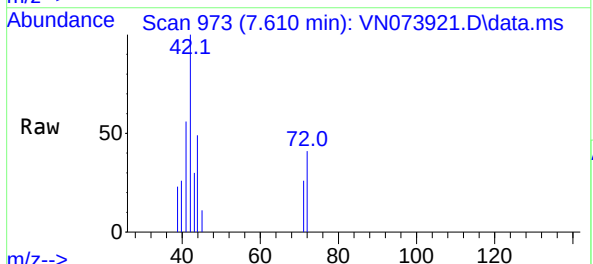
Instrument :
MSVOA_N
ClientSampleId :
S15

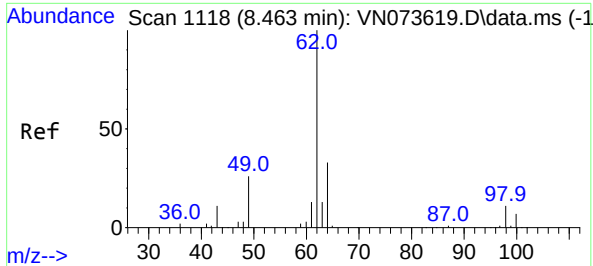
Tgt Ion:117 Resp: 55495
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.521 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.047 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 41 Resp: 2177
Ion Ratio Lower Upper
41 100
39 51.7 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

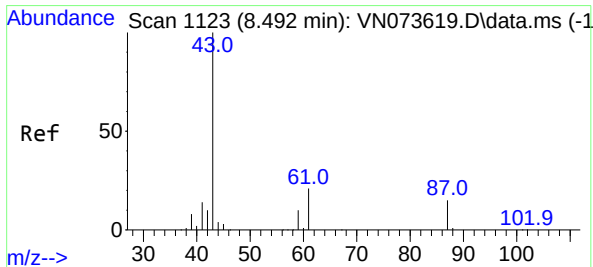
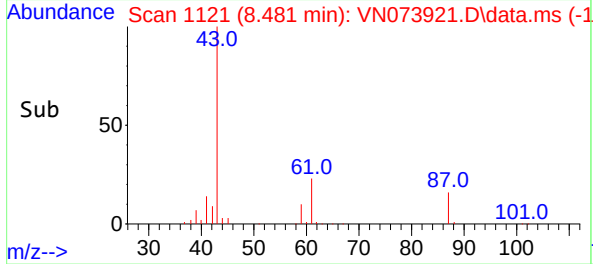
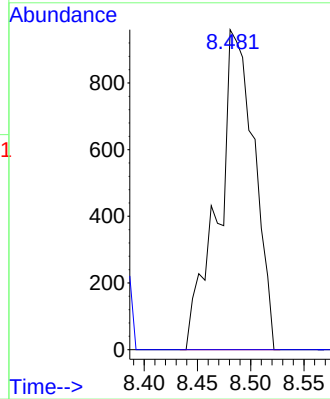
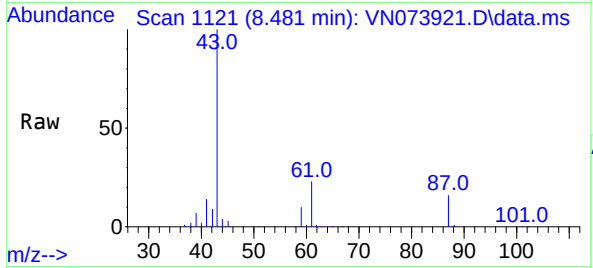




#42
 1,2-Dichloroethane
 Concen: 0.273 ug/l
 RT: 8.481 min Scan# 1118
 Delta R.T. 0.018 min
 Lab File: VN073921.D
 Acq: 16 Aug 2022 02:31

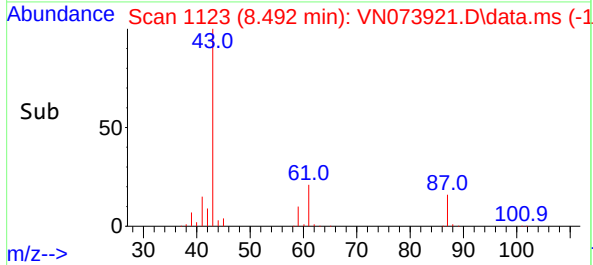
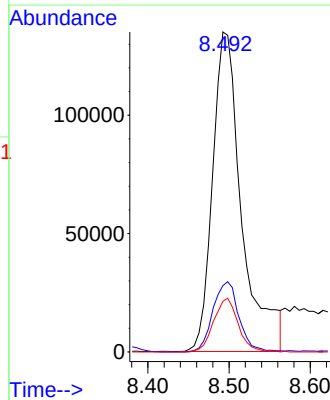
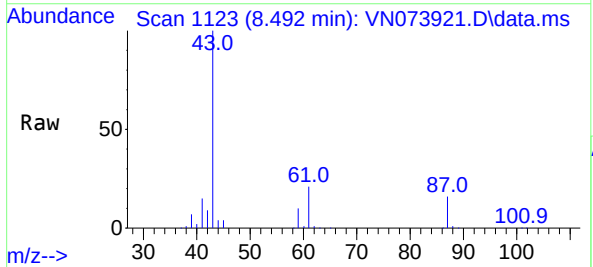
Instrument :
 MSVOA_N
 ClientSampleId :
 S15

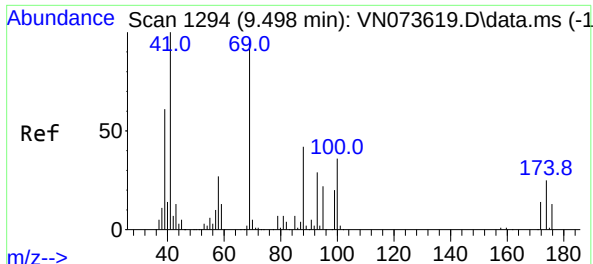
Tgt Ion:	62	Resp:	2261
Ion Ratio	Lower	Upper	
62	100		
98	0.0	0.0	19.4



#43
 Isopropyl Acetate
 Concen: 25.633 ug/l
 RT: 8.492 min Scan# 1123
 Delta R.T. 0.000 min
 Lab File: VN073921.D
 Acq: 16 Aug 2022 02:31

Tgt Ion:	43	Resp:	337633
Ion Ratio	Lower	Upper	
43	100		
61	19.8	21.9	32.9#
87	14.1	12.0	18.0





#48

Methyl methacrylate

Concen: 1.713 ug/l

RT: 9.486 min Scan# 1294

Delta R.T. -0.012 min

Lab File: VN073921.D

Acq: 16 Aug 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

S15

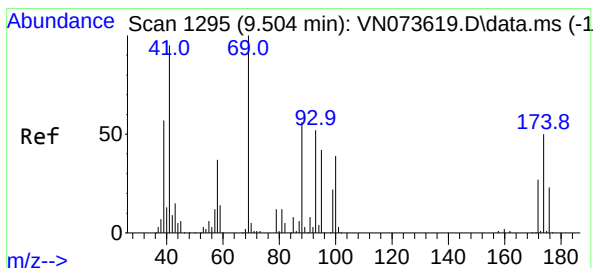
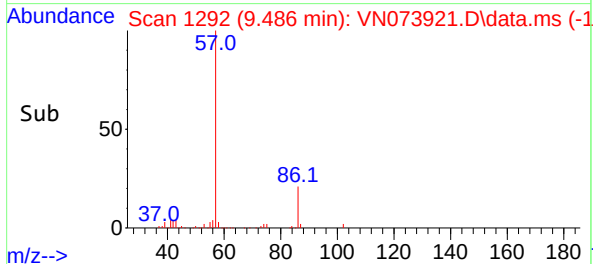
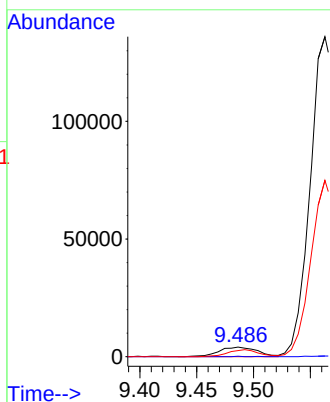
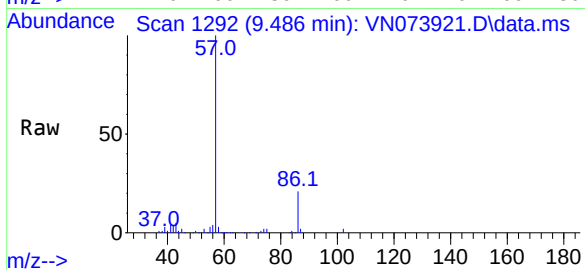
Tgt Ion: 41 Resp: 9652

Ion Ratio Lower Upper

41 100

69 0.6 74.7 112.1#

39 58.3 45.6 68.4



#49

1,4-Dioxane

Concen: 0.334 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN073921.D

Acq: 16 Aug 2022 02:31

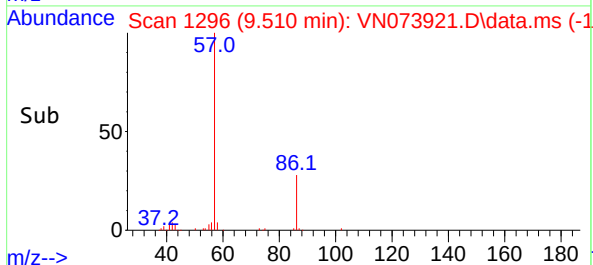
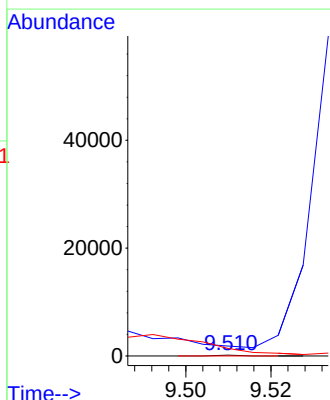
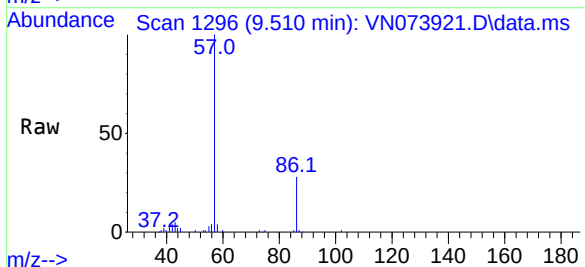
Tgt Ion: 88 Resp: 56

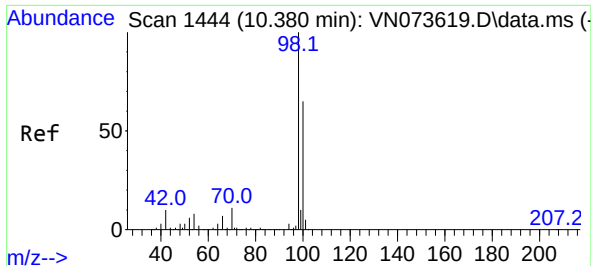
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 15055.4 54.2 81.4#

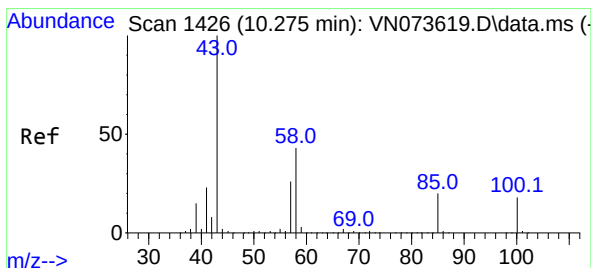
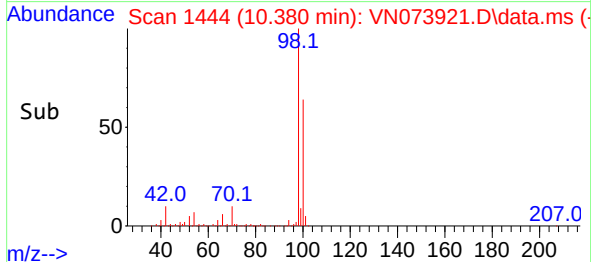
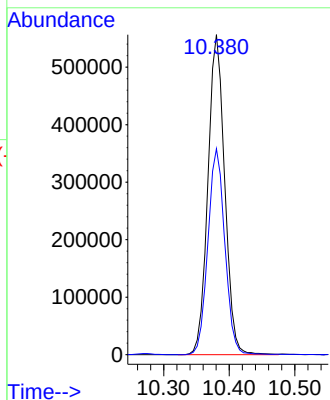
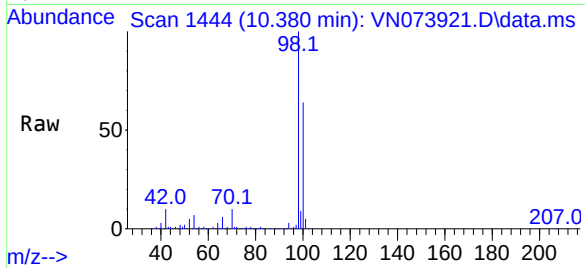




#50
Toluene-d8
Concen: 46.513 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

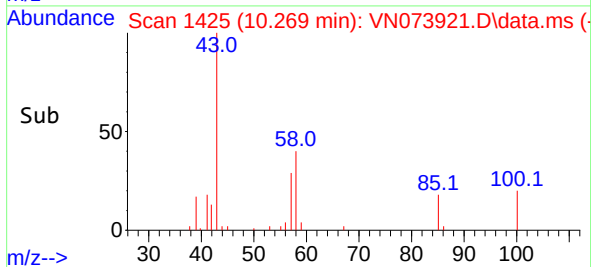
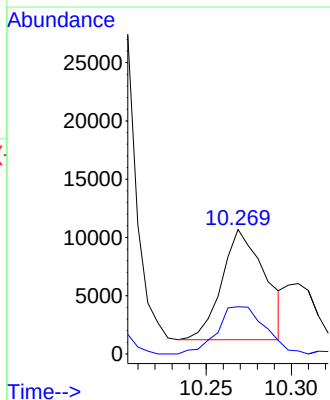
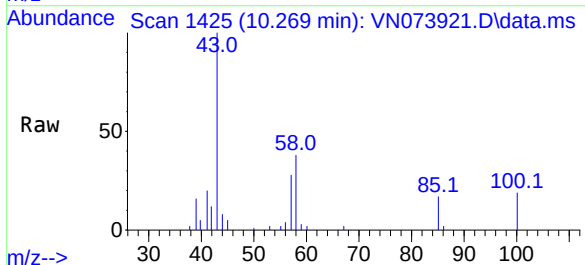
Instrument :
MSVOA_N
ClientSampleId :
S15

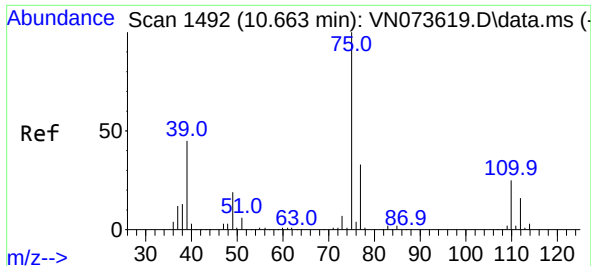
Tgt Ion: 98 Resp: 989851
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.864 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 43 Resp: 16598
Ion Ratio Lower Upper
43 100
58 47.8 34.1 51.1

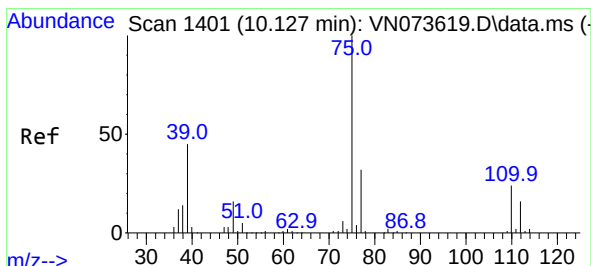
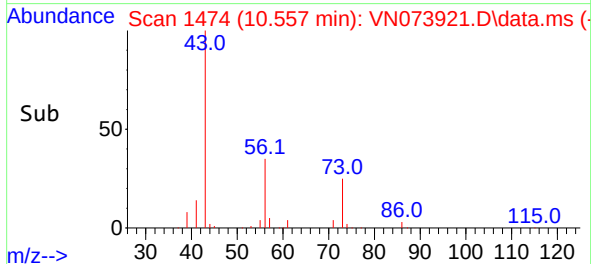
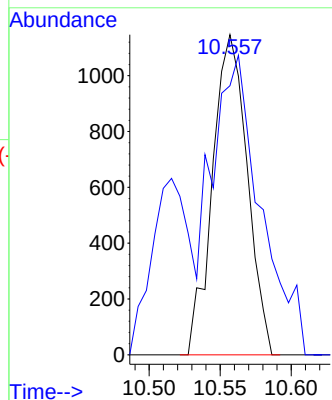
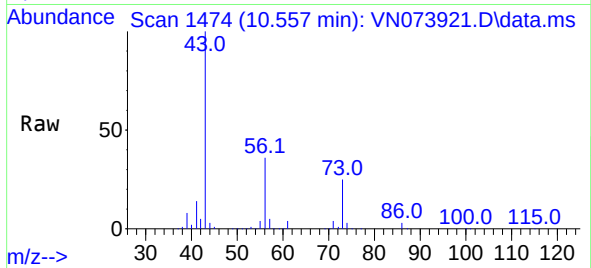




#53
t-1,3-Dichloropropene
Concen: 0.222 ug/l
RT: 10.557 min Scan# 1410
Delta R.T. -0.106 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

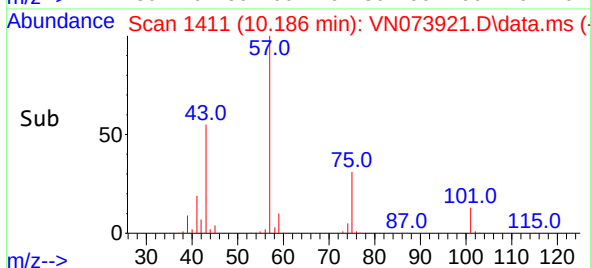
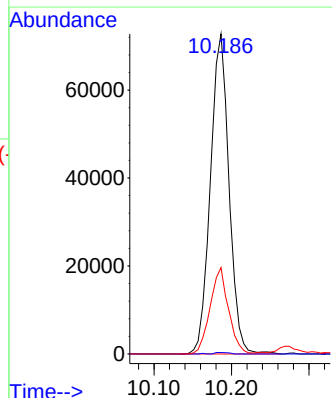
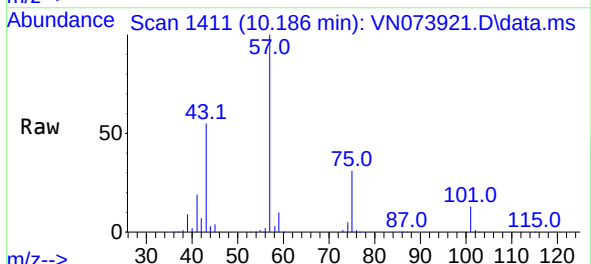
Instrument :
MSVOA_N
ClientSampleId :
S15

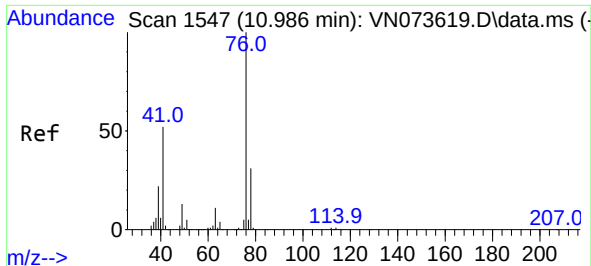
Tgt Ion: 75 Resp: 1955
Ion Ratio Lower Upper
75 100
77 61.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 12.600 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 75 Resp: 121368
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 27.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.447 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073921.D

Acq: 16 Aug 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

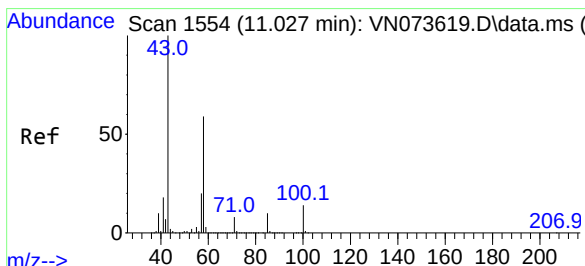
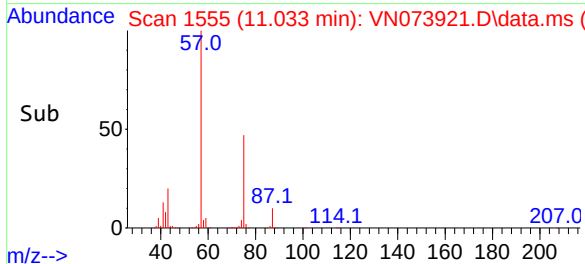
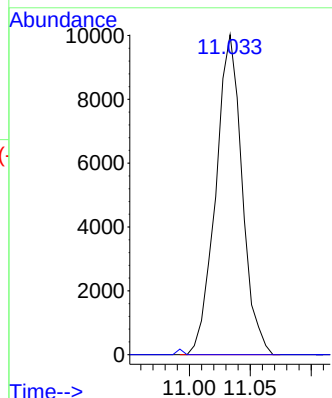
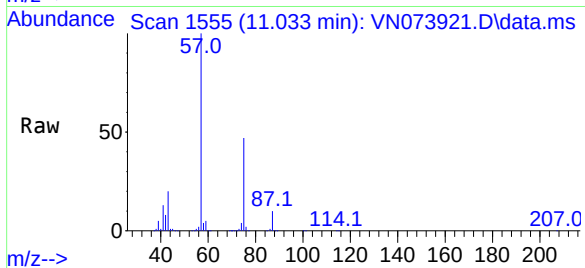
S15

Tgt Ion: 76 Resp: 15117

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 25.367 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073921.D

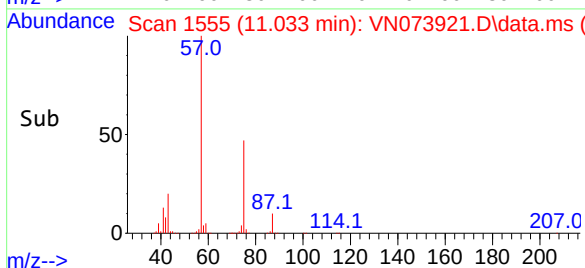
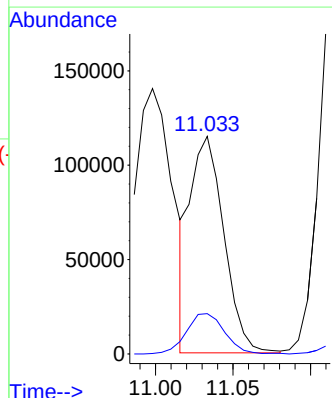
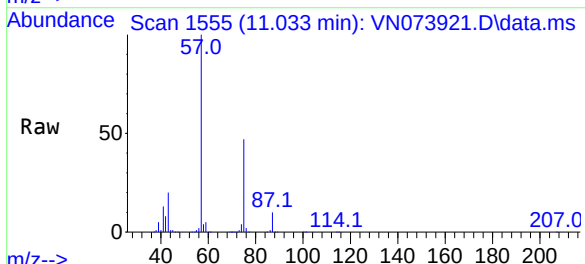
Acq: 16 Aug 2022 02:31

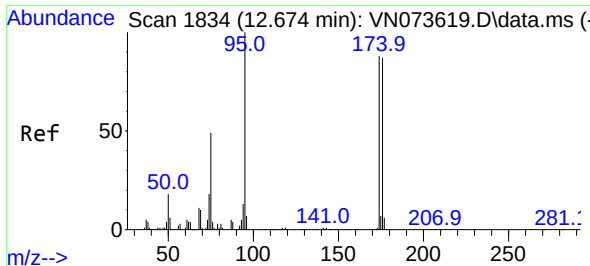
Tgt Ion: 43 Resp: 173860

Ion Ratio Lower Upper

43 100

58 21.2 29.7 89.1#

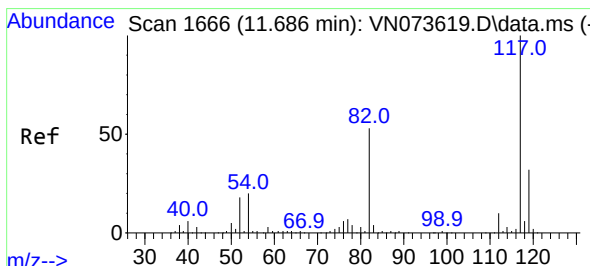
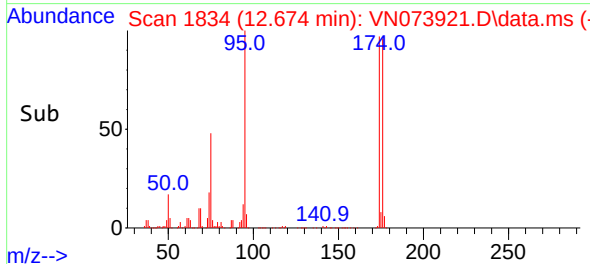
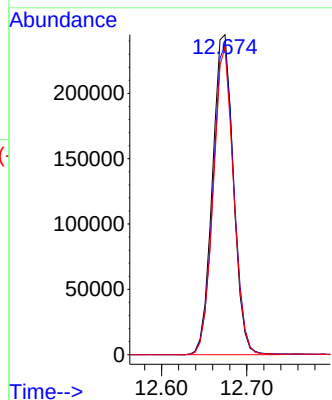
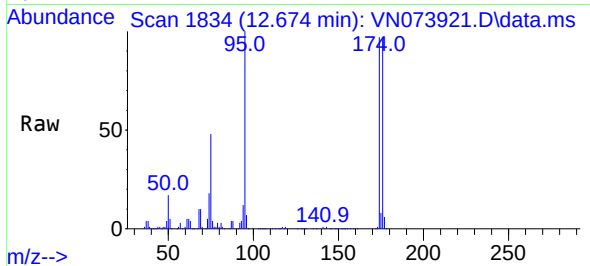




#62
4-Bromofluorobenzene
Concen: 59.005 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

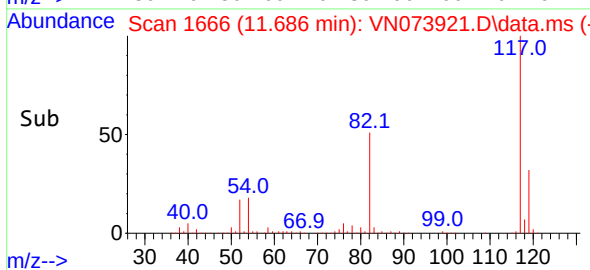
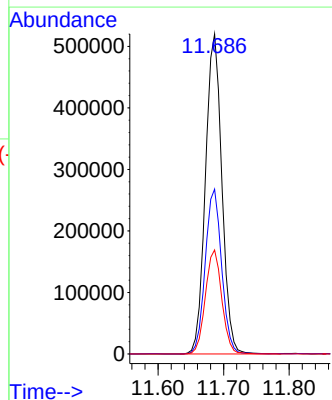
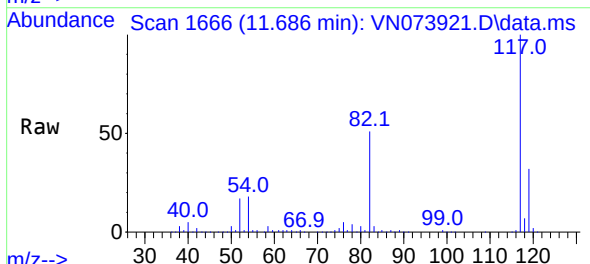
Instrument :
MSVOA_N
ClientSampleId :
S15

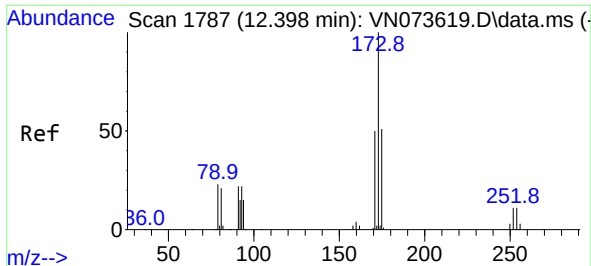
Tgt Ion: 95 Resp: 416735
Ion Ratio Lower Upper
95 100
174 96.2 0.0 167.6
176 93.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 117 Resp: 906406
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.2
119 32.5 25.4 38.0

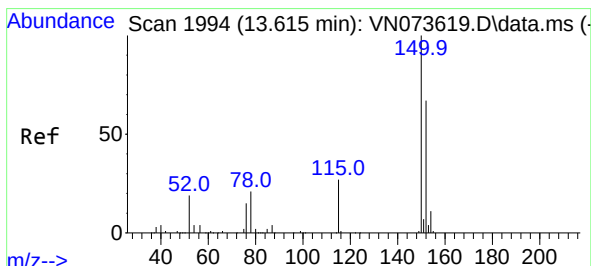
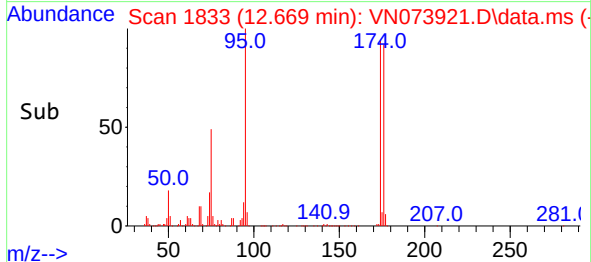
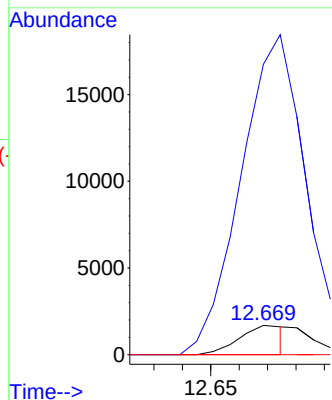
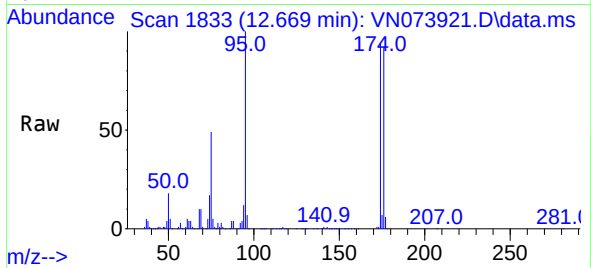




#71
Bromoform
Concen: 0.287 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

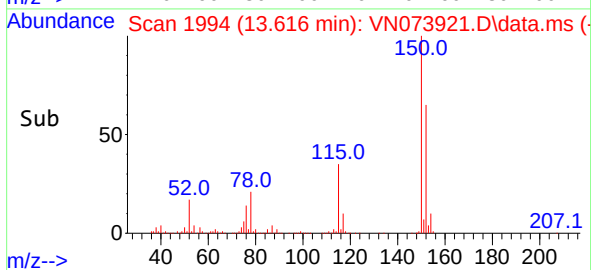
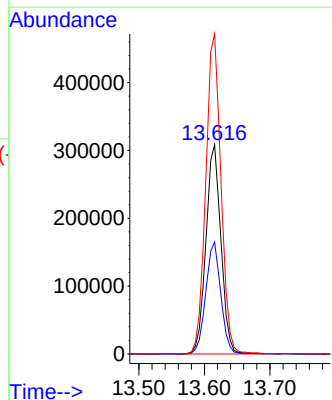
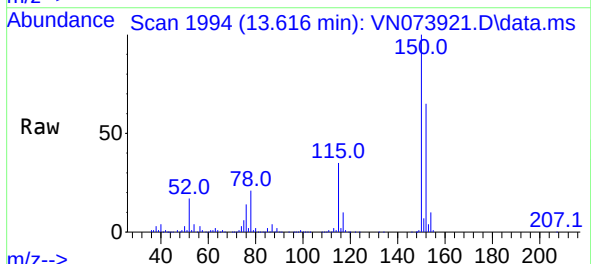
Instrument :
MSVOA_N
ClientSampleId :
S15

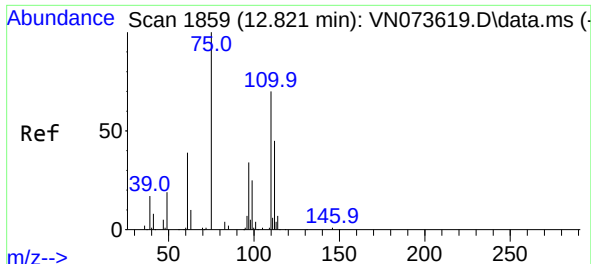
Tgt Ion:173 Resp: 1872
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion:152 Resp: 492096
Ion Ratio Lower Upper
152 100
115 53.6 28.9 86.7
150 155.2 0.0 356.2

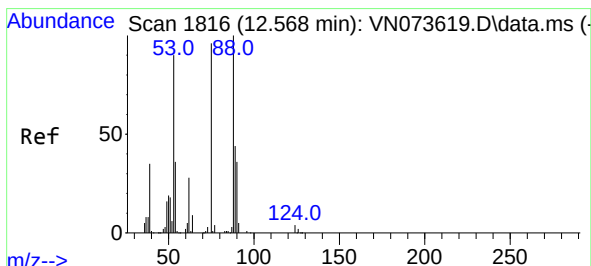
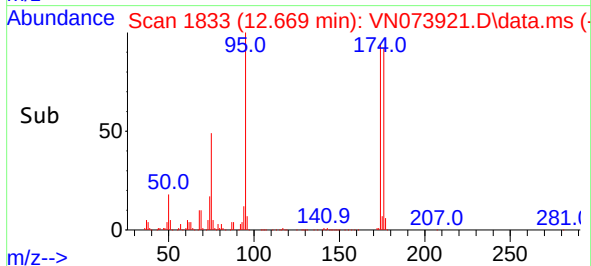
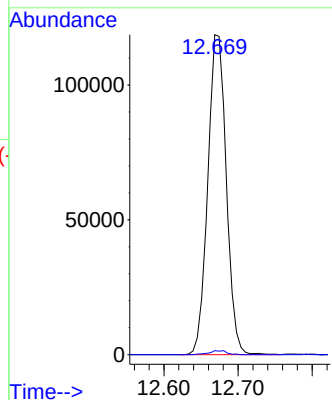
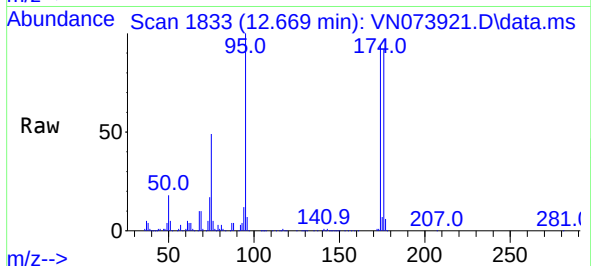




#76
1,2,3-Trichloropropane
Concen: 20.120 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Instrument :
MSVOA_N
ClientSampleId :
S15

Tgt Ion: 75 Resp: 205792
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.225 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.101 min
Lab File: VN073921.D
Acq: 16 Aug 2022 02:31

Tgt Ion: 75 Resp: 205792
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

