

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073925.D
 Acq On : 16 Aug 2022 04:09
 Operator : JC\MD
 Sample : N4188-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S11

Quant Time: Aug 16 05:16:02 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)

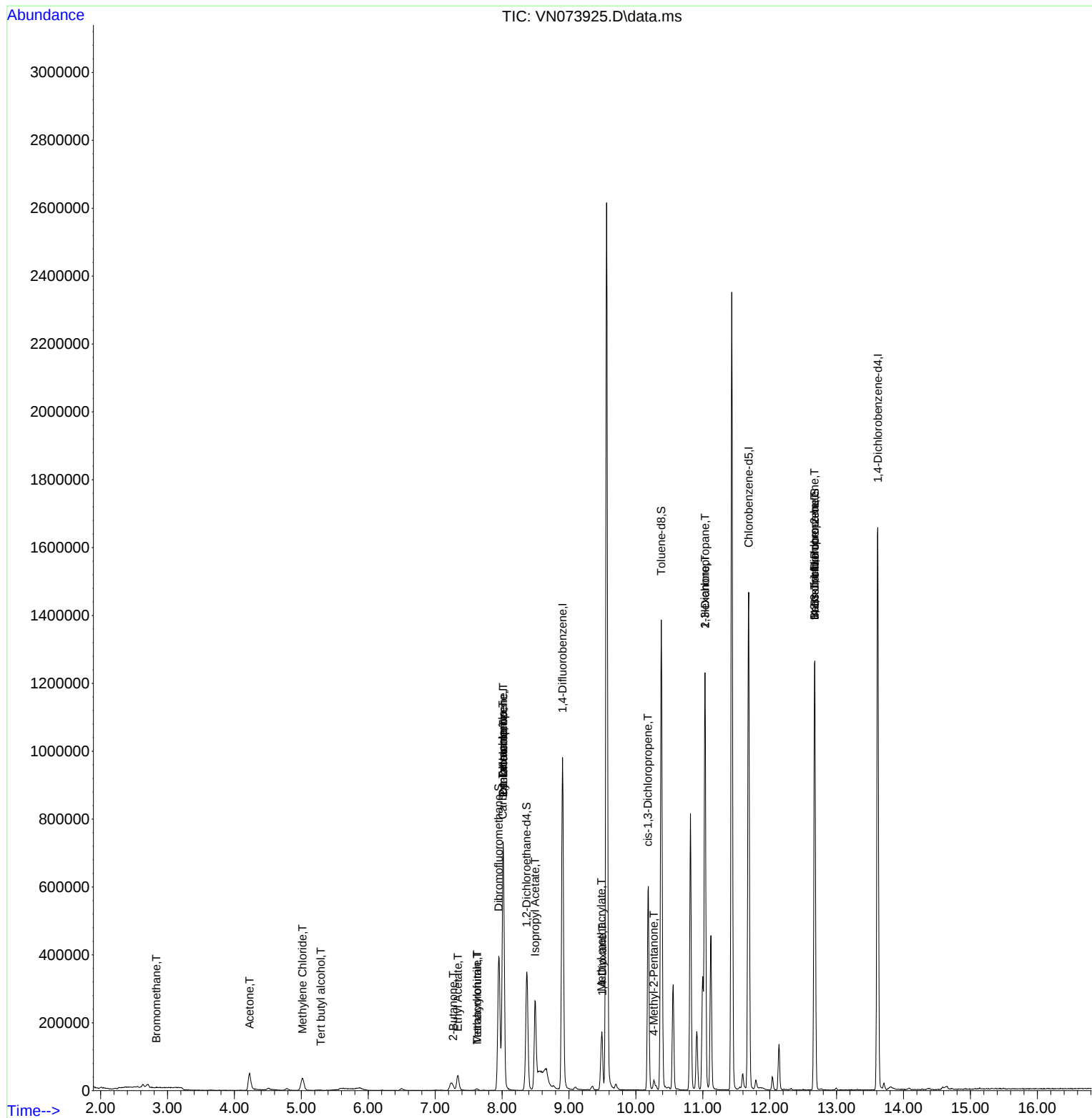
Internal Standards						
1) Pentafluorobenzene	8.016	168	629583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	921155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	906586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	503708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	296738	48.391	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.780%
35) Dibromofluoromethane	7.951	113	292805	53.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.500%
50) Toluene-d8	10.380	98	981625	46.527	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.060%
62) 4-Bromofluorobenzene	12.674	95	423557	60.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	1159	0.260	ug/l	91
11) Tert butyl alcohol	5.293	59	691	0.504	ug/l #	72
16) Acetone	4.228	43	89386	30.897	ug/l	99
18) Methyl Acetate	4.787	43	10763	Below Cal		97
20) Methylene Chloride	5.016	84	32745	5.364	ug/l	97
25) 2-Butanone	7.269	43	17822	3.885	ug/l	93
29) Tetrahydrofuran	7.628	42	3557	1.209	ug/l	94
31) Cyclohexane	8.016	56	10241	1.198	ug/l #	3
36) 1,1-Dichloropropene	8.016	75	39112	5.169	ug/l #	43
37) Ethyl Acetate	7.339	43	70473	7.688	ug/l	99
38) Carbon Tetrachloride	8.010	117	55221	6.385	ug/l #	17
41) Methacrylonitrile	7.628	41	2219	0.536	ug/l #	26
43) Isopropyl Acetate	8.492	43	305323	23.381	ug/l #	92
48) Methyl methacrylate	9.486	41	9536	1.707	ug/l #	40
49) 1,4-Dioxane	9.498	88	207	1.246	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	26217	2.969	ug/l #	80
54) cis-1,3-Dichloropropene	10.180	75	117840	12.339	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	13947	1.347	ug/l #	42
59) 2-Hexanone	11.033	43	161009	23.695	ug/l #	49
71) Bromoform	12.668	173	2121	0.326	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	208718	19.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	208718	56.701	ug/l #	10

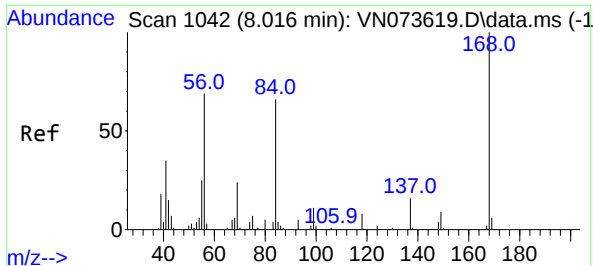
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

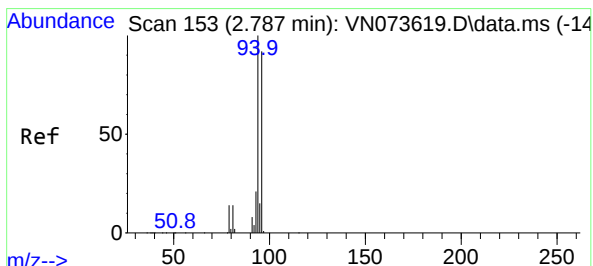
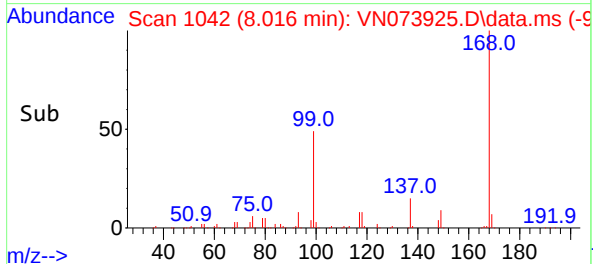
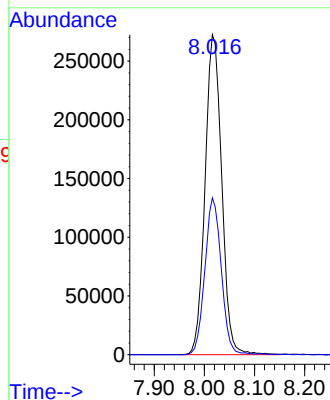
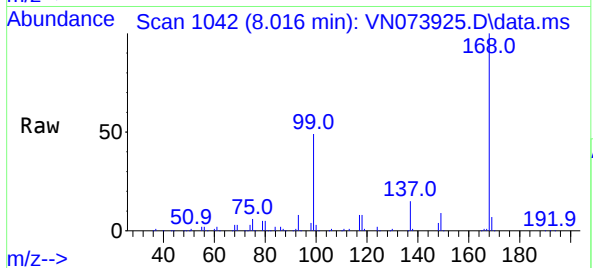




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

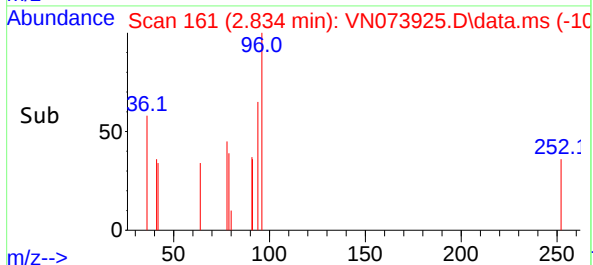
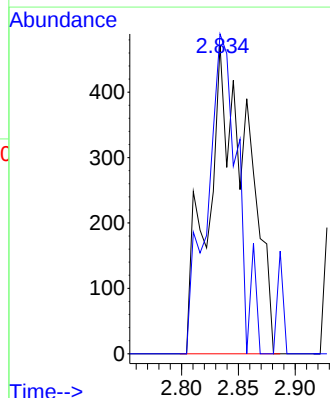
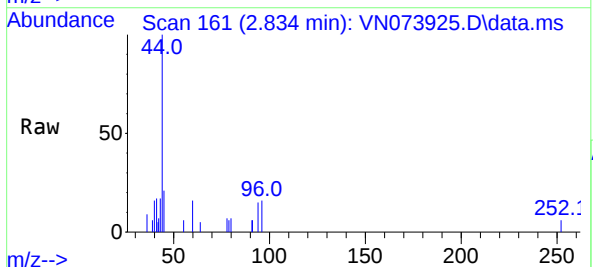
Instrument :
MSVOA_N
ClientSampleId :
S11

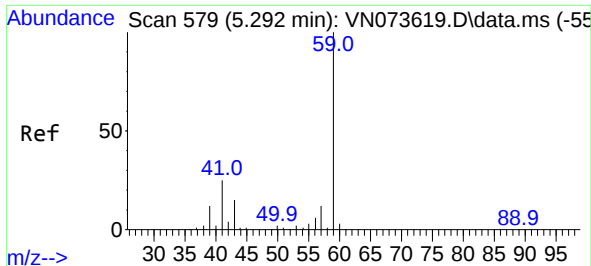
Tgt Ion:168 Resp: 629583
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#5
Bromomethane
Concen: 0.260 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 94 Resp: 1159
Ion Ratio Lower Upper
94 100
96 103.6 76.0 114.0

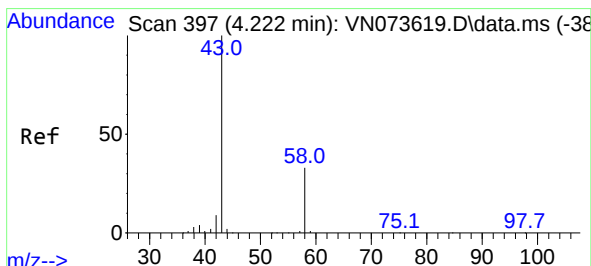
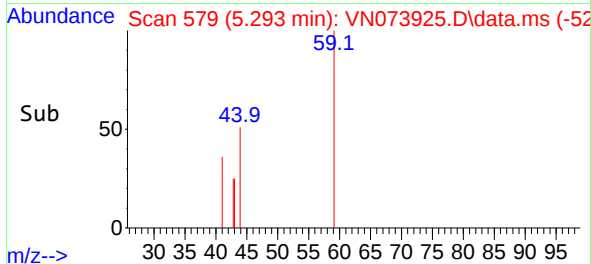
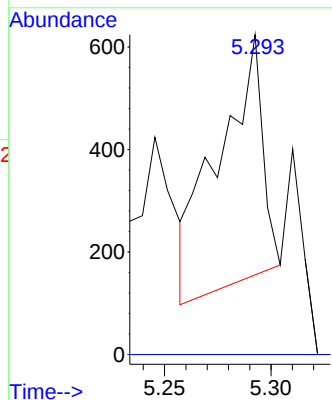
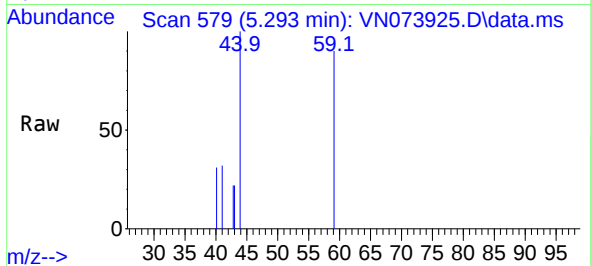




#11
Tert butyl alcohol
Concen: 0.504 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.001 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

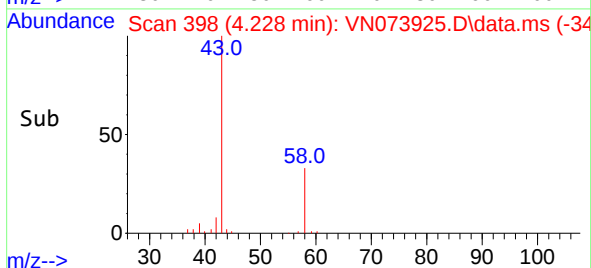
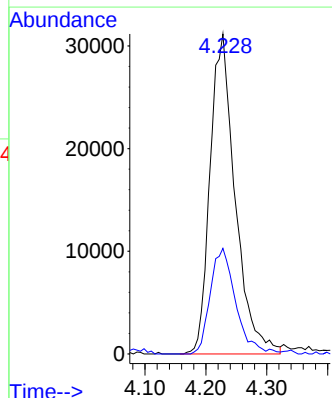
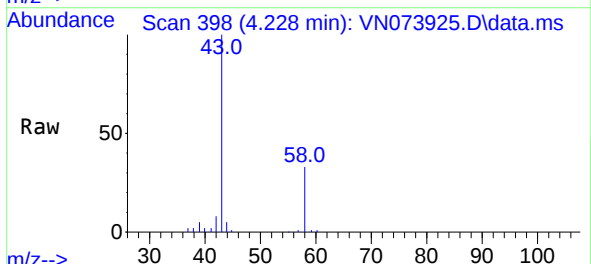
Instrument :
MSVOA_N
ClientSampleId :
S11

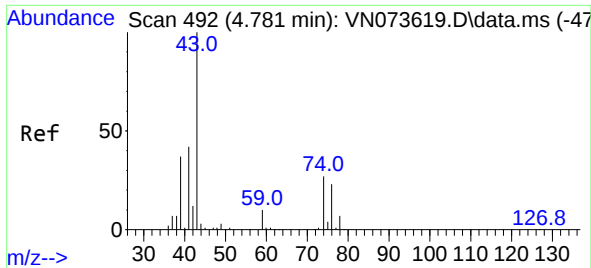
Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 30.897 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 43 Resp: 89386
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0

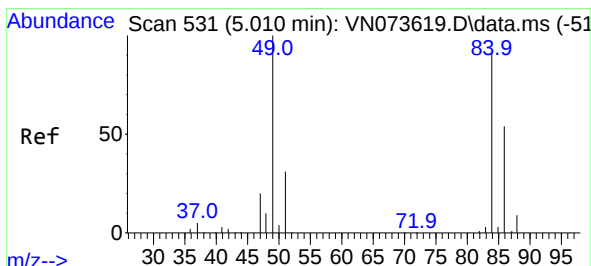
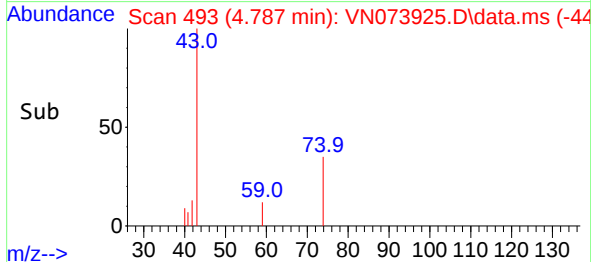
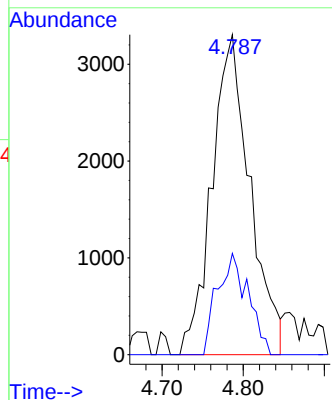
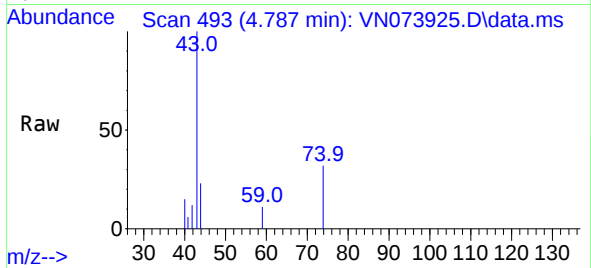




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 49
Delta R.T. 0.006 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

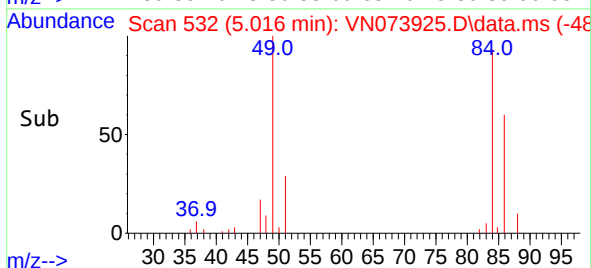
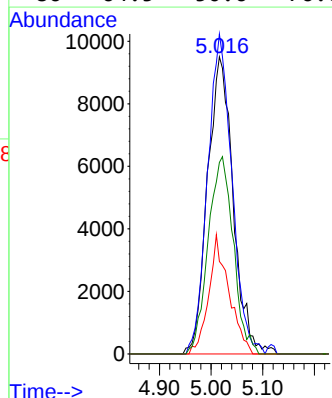
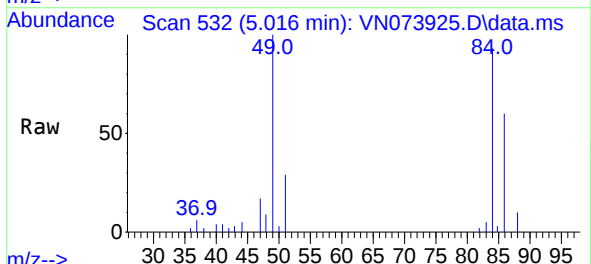
Instrument :
MSVOA_N
ClientSampleId :
S11

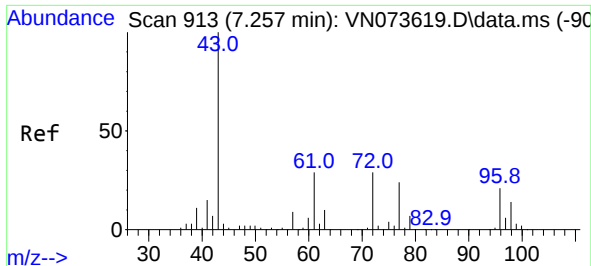
Tgt Ion: 43 Resp: 10763
Ion Ratio Lower Upper
43 100
74 25.6 21.6 32.4



#20
Methylene Chloride
Concen: 5.364 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 84 Resp: 32745
Ion Ratio Lower Upper
84 100
49 107.7 88.3 132.5
51 31.2 28.2 42.2
86 64.5 50.6 76.0

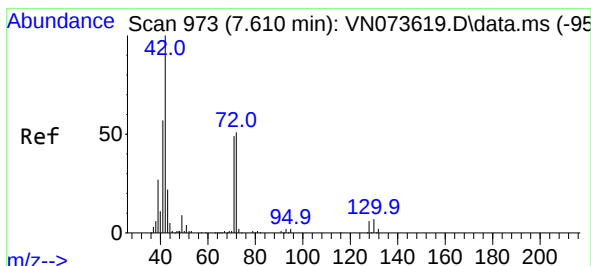
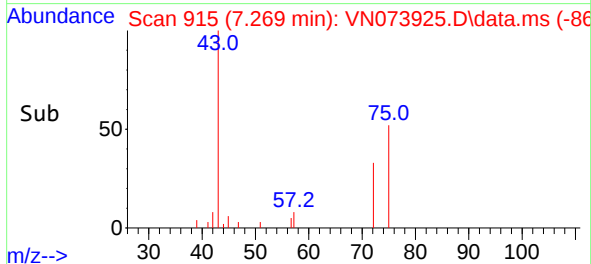
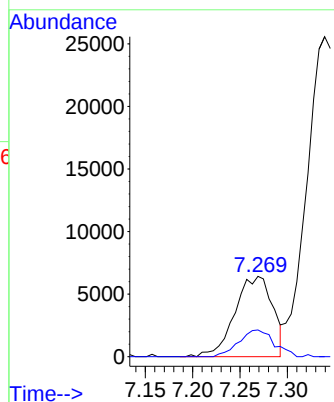
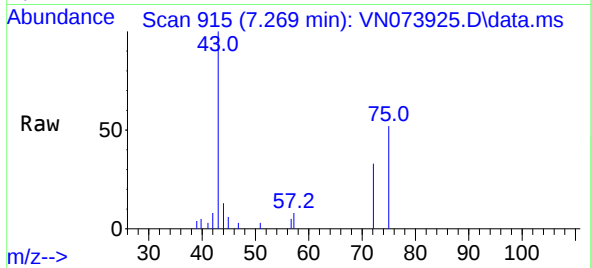




#25
2-Butanone
Concen: 3.885 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

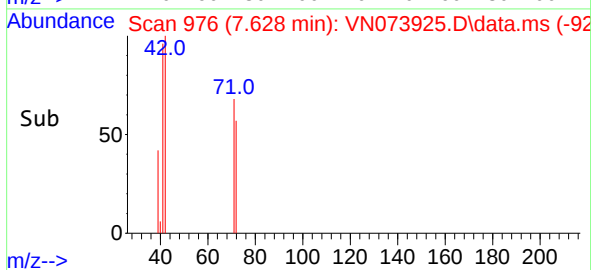
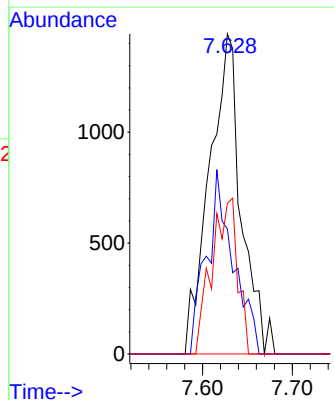
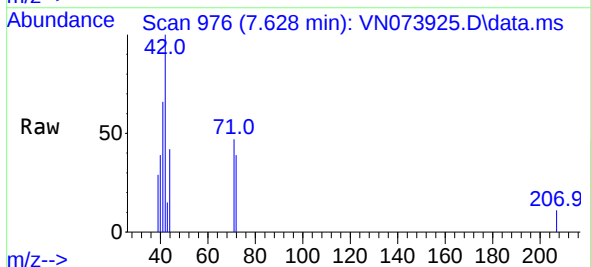
Instrument :
MSVOA_N
ClientSampleId :
S11

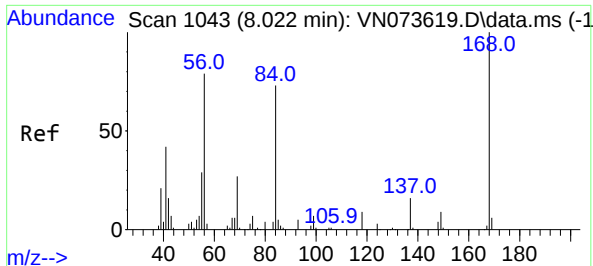
Tgt Ion: 43 Resp: 17822
Ion Ratio Lower Upper
43 100
72 33.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.209 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 42 Resp: 3557
Ion Ratio Lower Upper
42 100
72 48.4 39.7 59.5
71 39.4 36.6 55.0





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073925.D

Acq: 16 Aug 2022 04:09

Instrument :

MSVOA_N

ClientSampleId :

S11

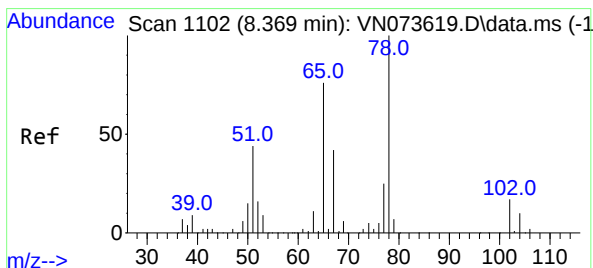
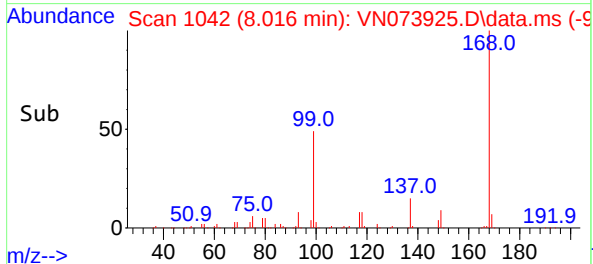
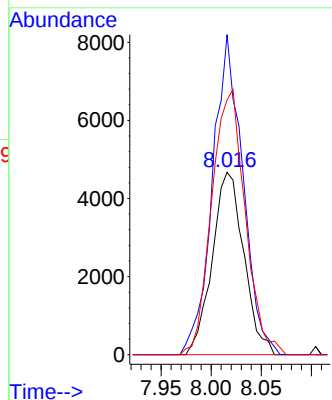
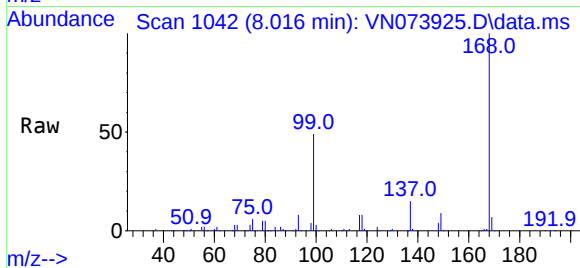
Tgt Ion: 56 Resp: 10241

Ion Ratio Lower Upper

56 100

69 175.4 27.8 41.8#

84 139.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.391 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073925.D

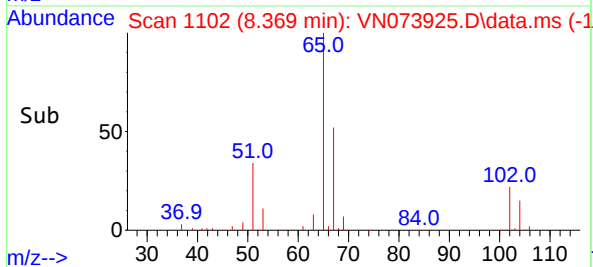
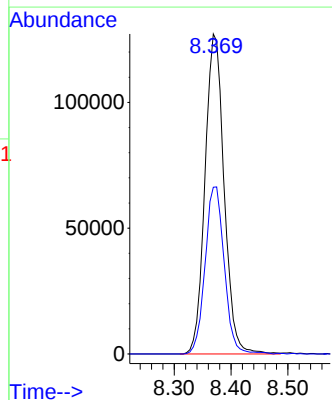
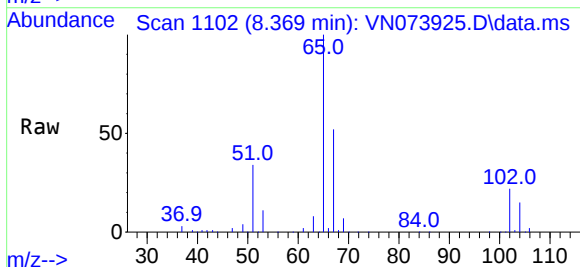
Acq: 16 Aug 2022 04:09

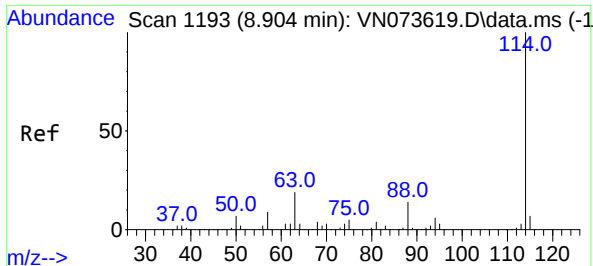
Tgt Ion: 65 Resp: 296738

Ion Ratio Lower Upper

65 100

67 52.3 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: VN073925.D

Acq: 16 Aug 2022 04:09

Instrument :

MSVOA_N

ClientSampleId :

S11

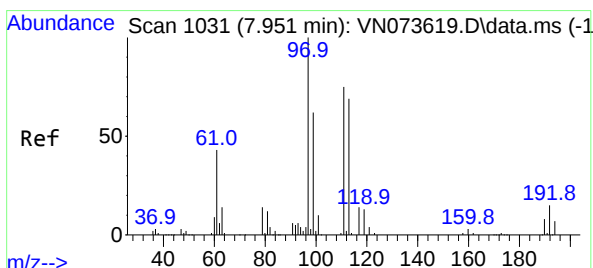
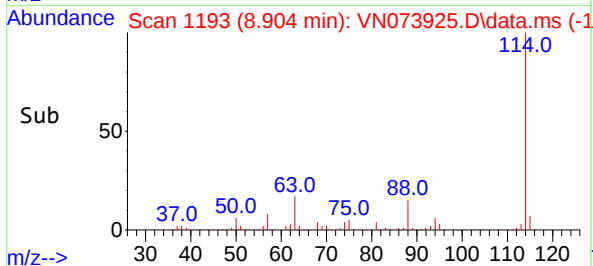
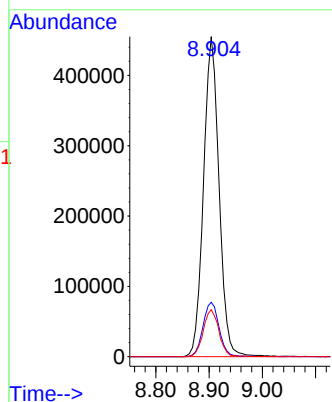
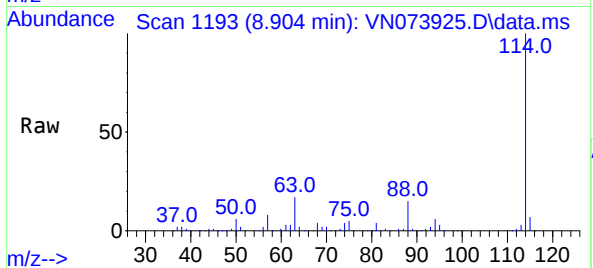
Tgt Ion:114 Resp: 921155

Ion Ratio Lower Upper

114 100

63 17.0 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.749 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073925.D

Acq: 16 Aug 2022 04:09

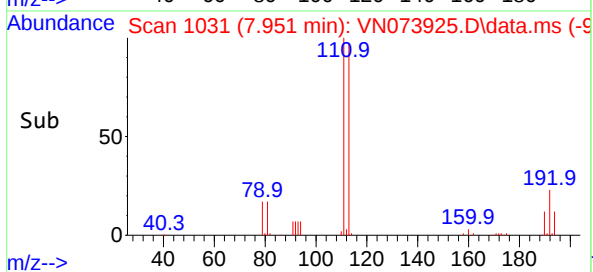
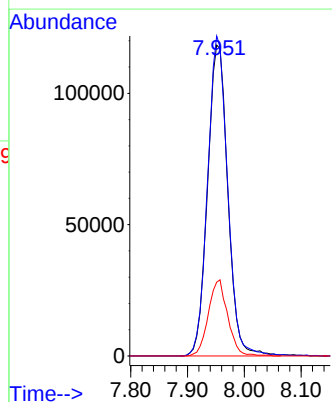
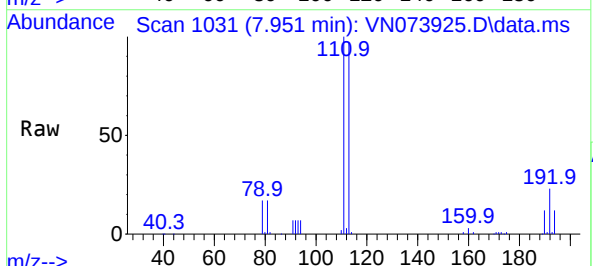
Tgt Ion:113 Resp: 292805

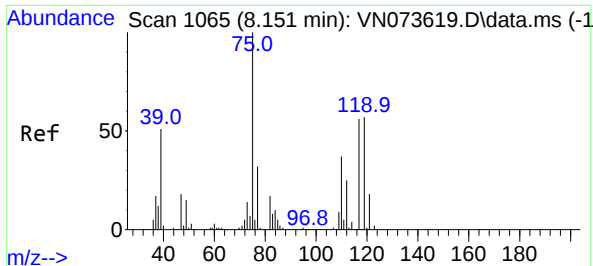
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 23.5 17.0 25.6

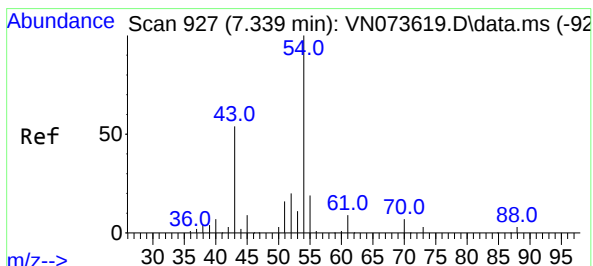
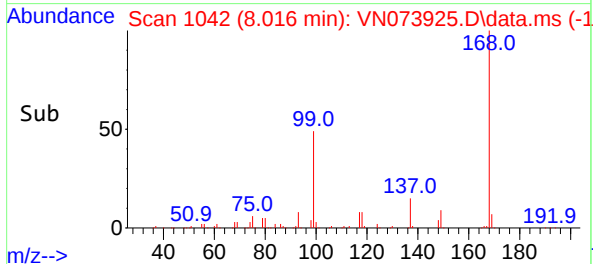
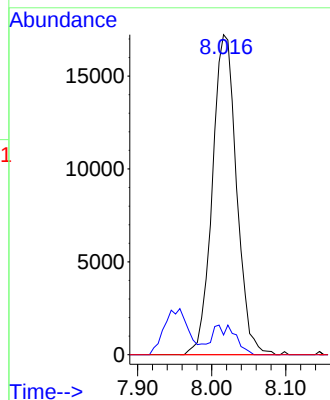
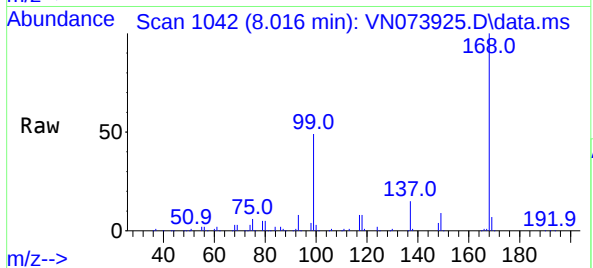




#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

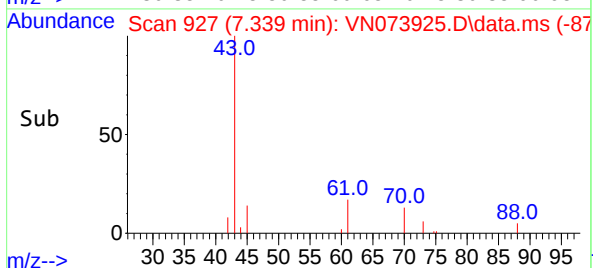
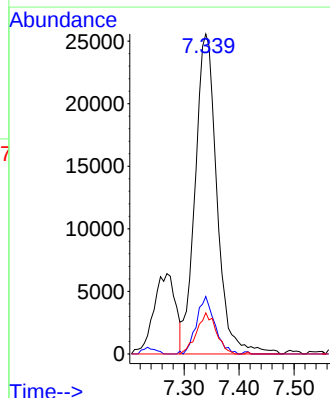
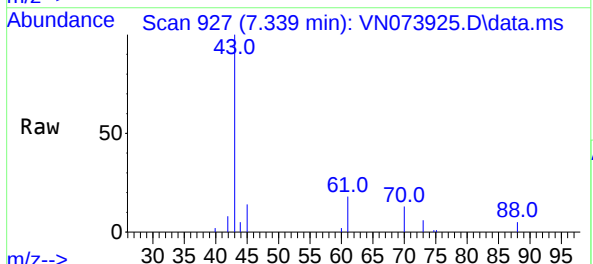
Instrument :
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ClientSampleId :
S11

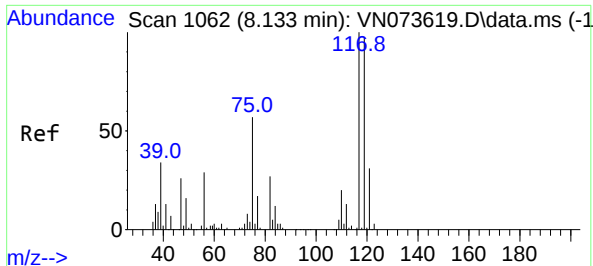
Tgt Ion: 75 Resp: 39112
Ion Ratio Lower Upper
75 100
110 2.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.688 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 43 Resp: 70473
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.5 9.3 13.9

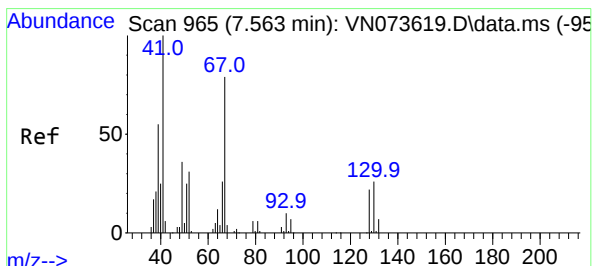
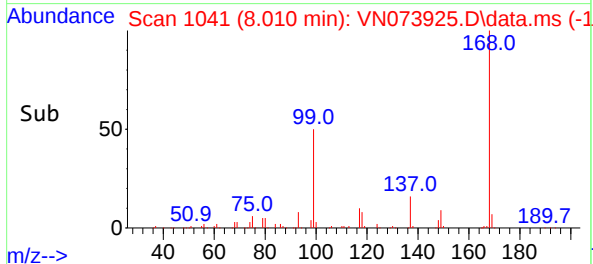
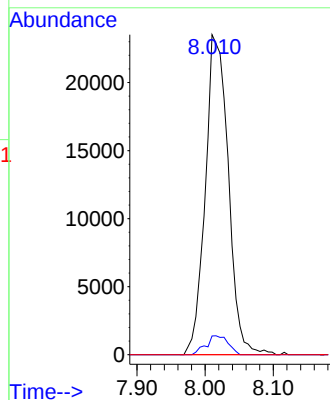
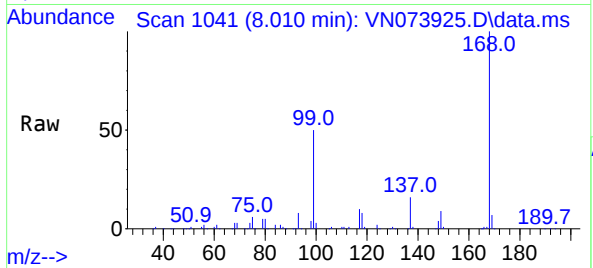




#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 8.010 min Scan# 11
Delta R.T. -0.123 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

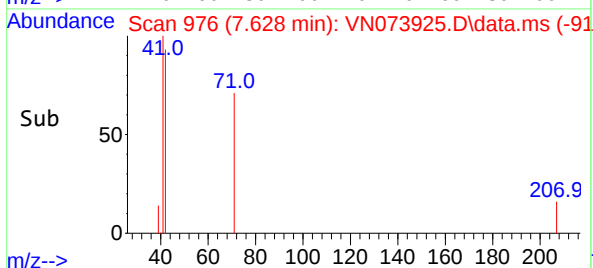
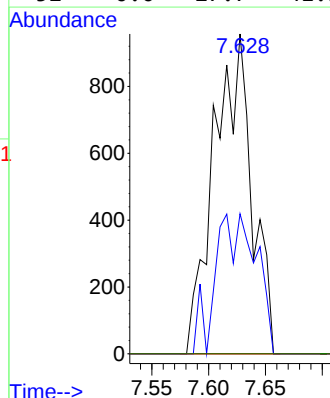
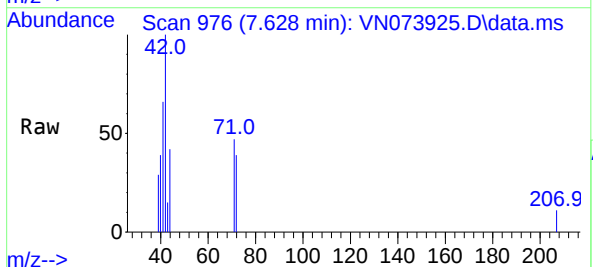
Instrument :
MSVOA_N
ClientSampleId :
S11

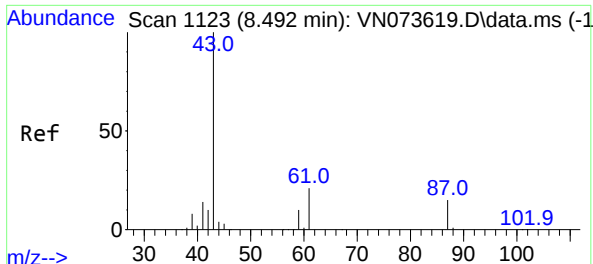
Tgt Ion:117 Resp: 55221
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.536 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 41 Resp: 2219
Ion Ratio Lower Upper
41 100
39 23.3 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

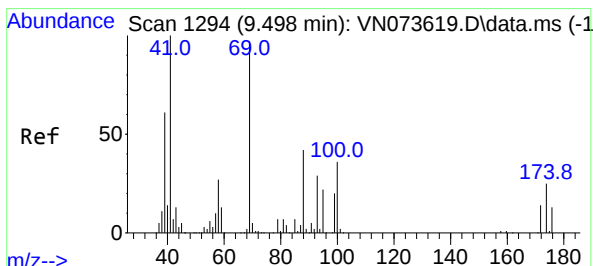
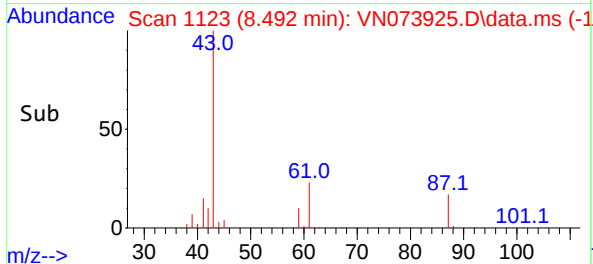
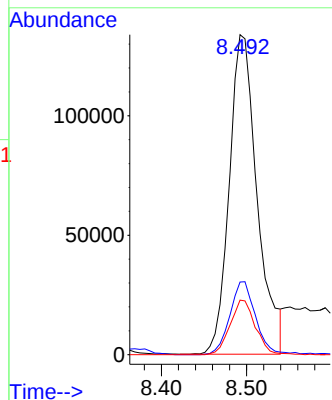
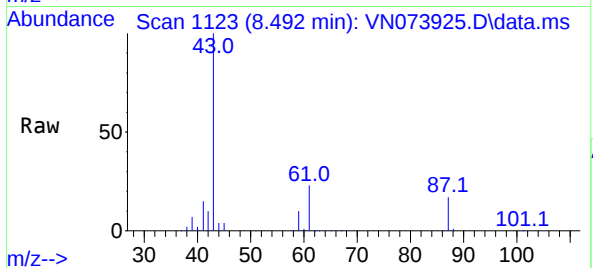




#43
Isopropyl Acetate
Concen: 23.381 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

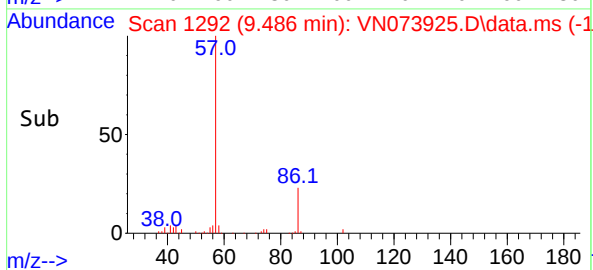
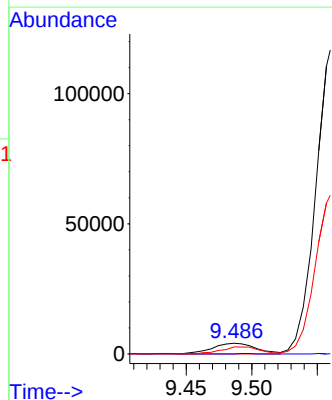
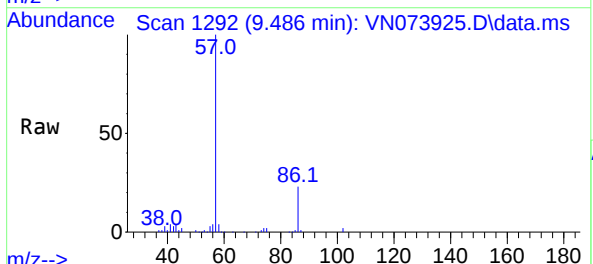
Instrument :
MSVOA_N
ClientSampleId :
S11

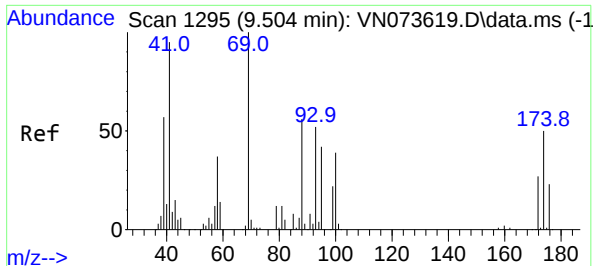
Tgt Ion: 43 Resp: 305323
Ion Ratio Lower Upper
43 100
61 21.3 21.9 32.9#
87 15.5 12.0 18.0



#48
Methyl methacrylate
Concen: 1.707 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 41 Resp: 9536
Ion Ratio Lower Upper
41 100
69 1.4 74.7 112.1#
39 57.7 45.6 68.4

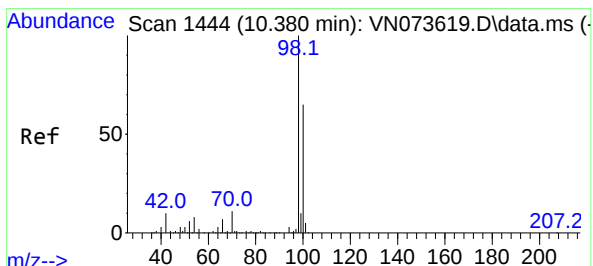
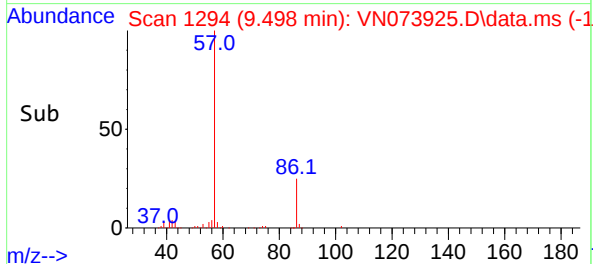
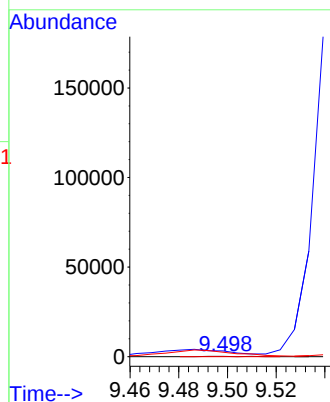
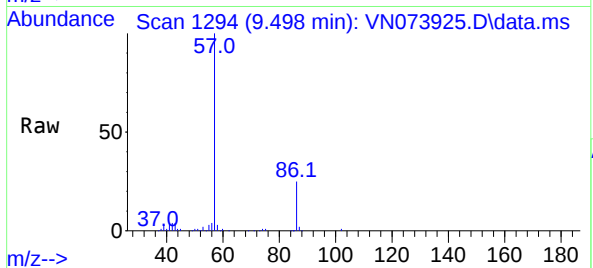




#49
1,4-Dioxane
Concen: 1.246 ug/l
RT: 9.498 min Scan# 1295
Delta R.T. -0.006 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

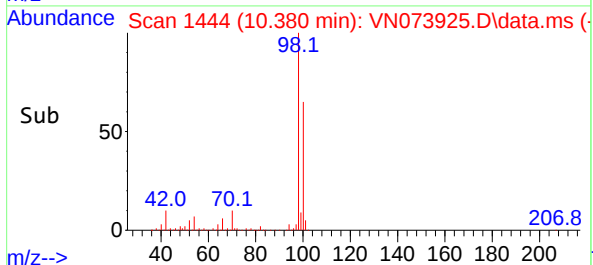
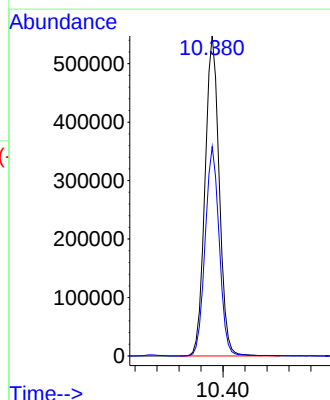
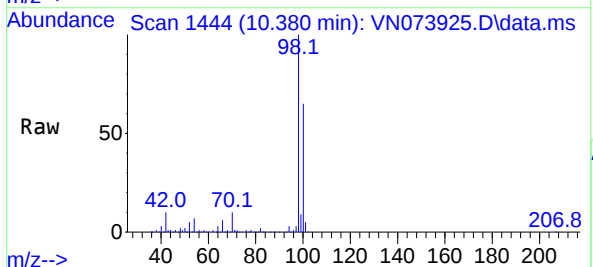
Instrument :
MSVOA_N
ClientSampleId :
S11

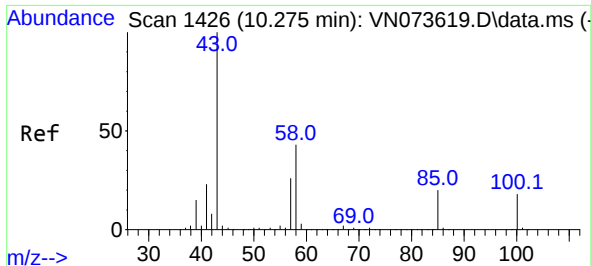
Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 3689.4 54.2 81.4#



#50
Toluene-d8
Concen: 46.527 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 98 Resp: 981625
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 2.969 ug/l

RT: 10.269 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN073925.D

Acq: 16 Aug 2022 04:09

Instrument :

MSVOA_N

ClientSampleId :

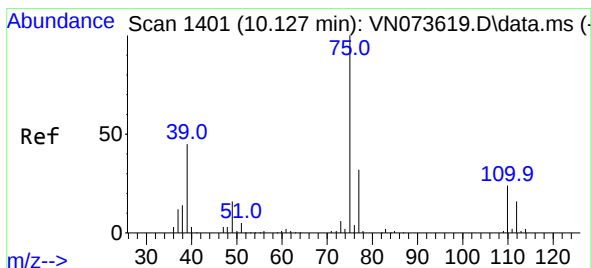
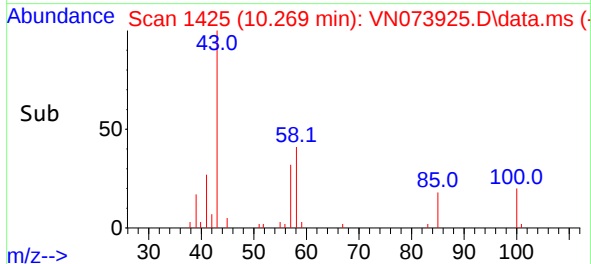
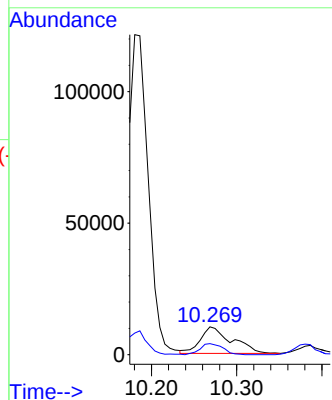
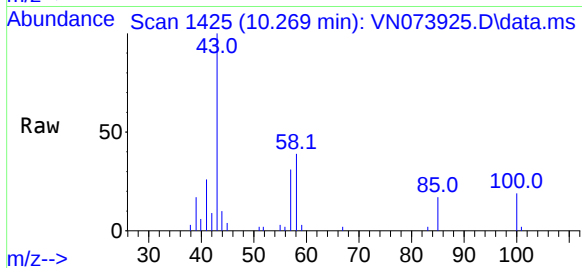
S11

Tgt Ion: 43 Resp: 26217

Ion Ratio Lower Upper

43 100

58 29.6 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 12.339 ug/l

RT: 10.180 min Scan# 1410

Delta R.T. 0.053 min

Lab File: VN073925.D

Acq: 16 Aug 2022 04:09

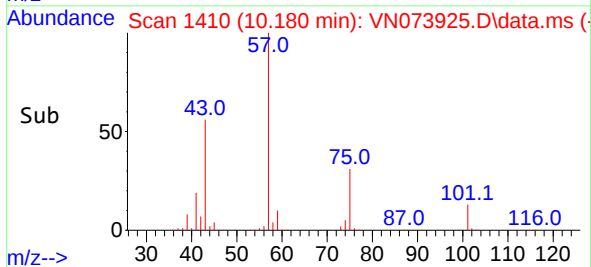
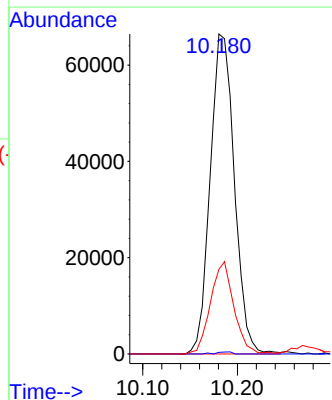
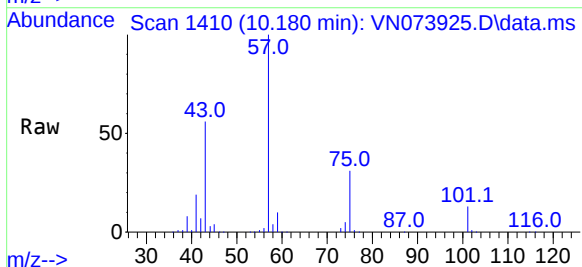
Tgt Ion: 75 Resp: 117840

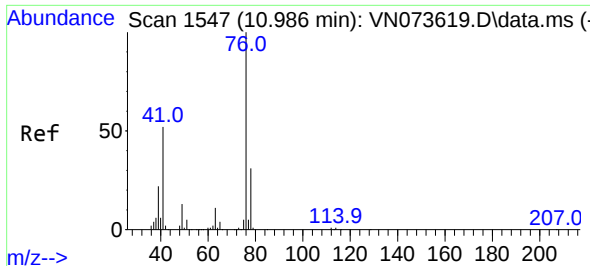
Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

39 26.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.347 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073925.D

Acq: 16 Aug 2022 04:09

Instrument :

MSVOA_N

ClientSampleId :

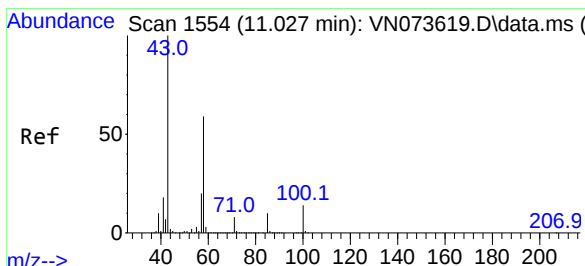
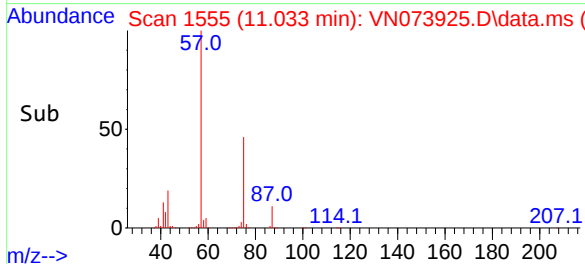
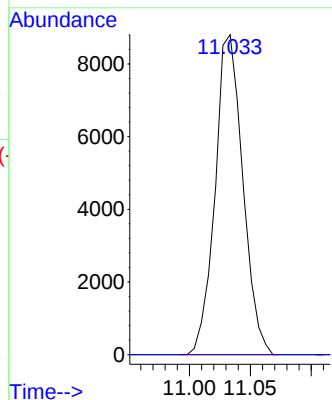
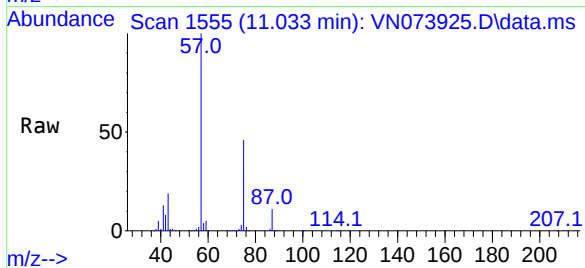
S11

Tgt Ion: 76 Resp: 13947

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 23.695 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073925.D

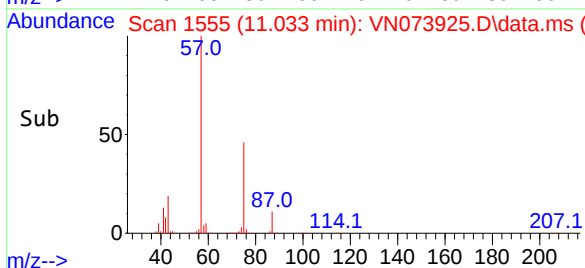
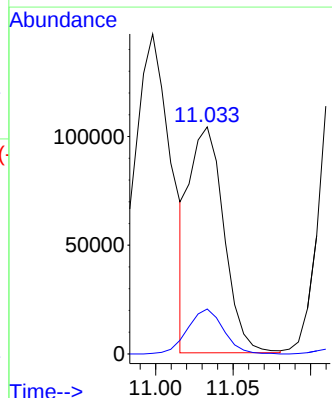
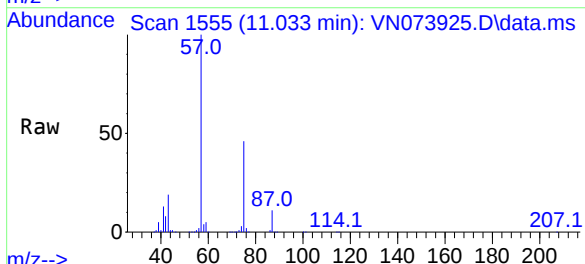
Acq: 16 Aug 2022 04:09

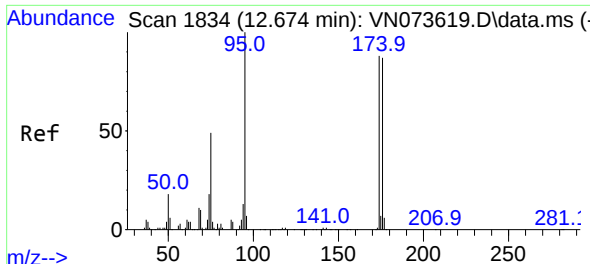
Tgt Ion: 43 Resp: 161009

Ion Ratio Lower Upper

43 100

58 20.8 29.7 89.1#

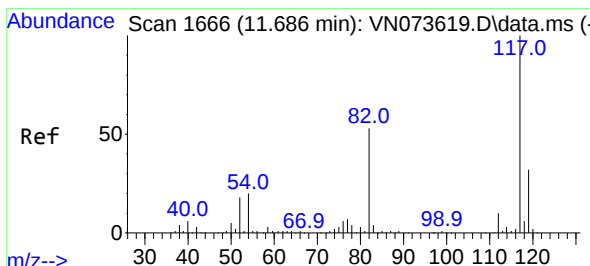
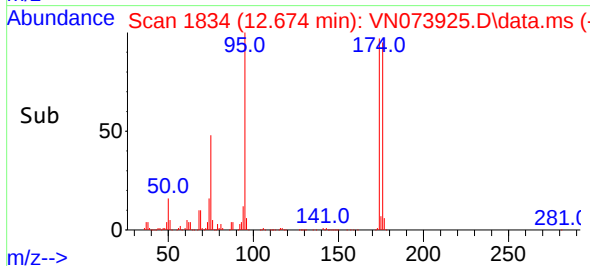
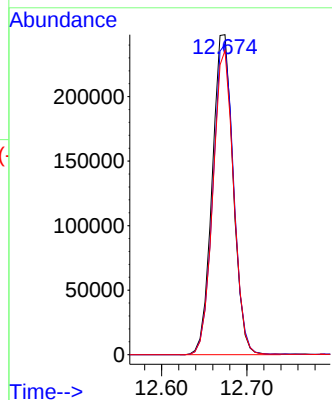
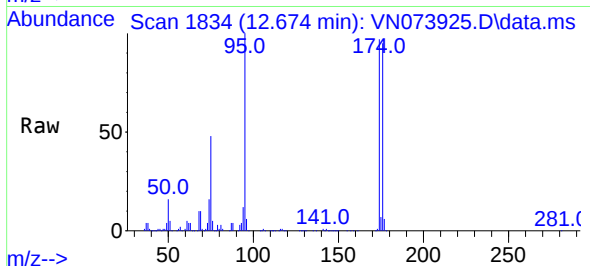




#62
4-Bromofluorobenzene
Concen: 60.490 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

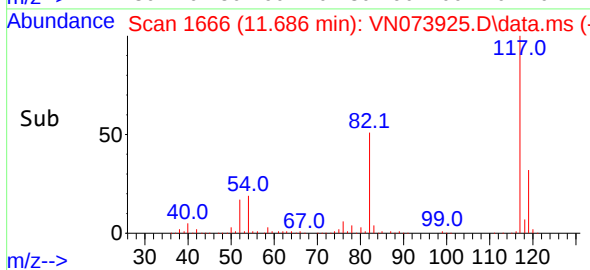
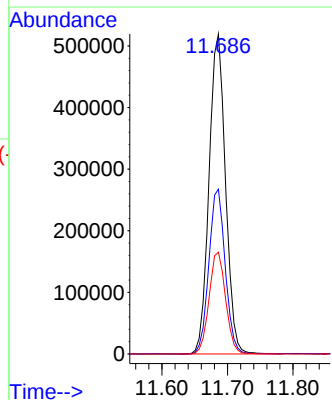
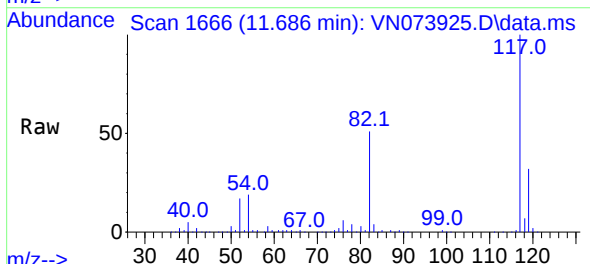
Instrument :
MSVOA_N
ClientSampleId :
S11

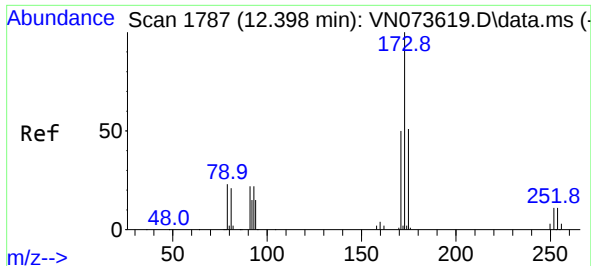
Tgt Ion: 95 Resp: 423557
Ion Ratio Lower Upper
95 100
174 95.9 0.0 167.6
176 93.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 117 Resp: 906586
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.2
119 31.8 25.4 38.0

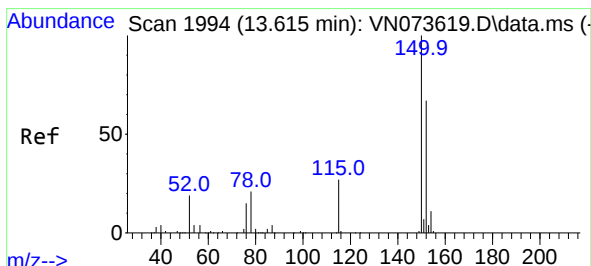
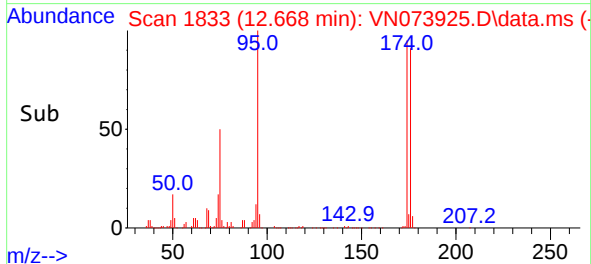
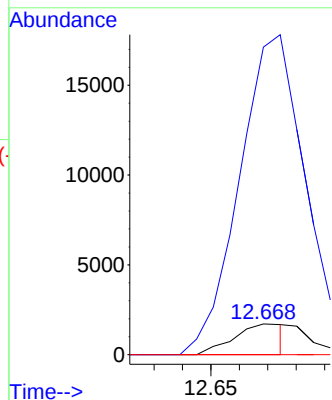
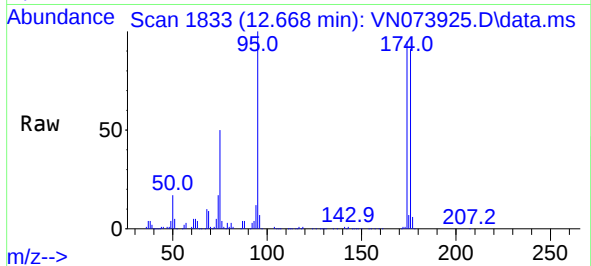




#71
Bromoform
Concen: 0.326 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

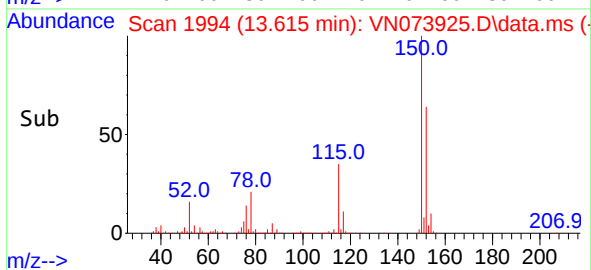
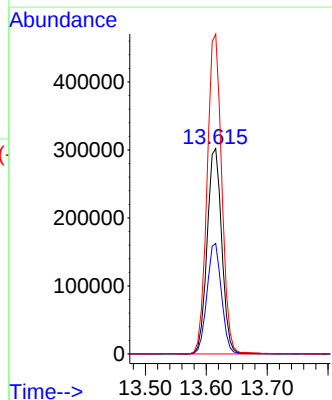
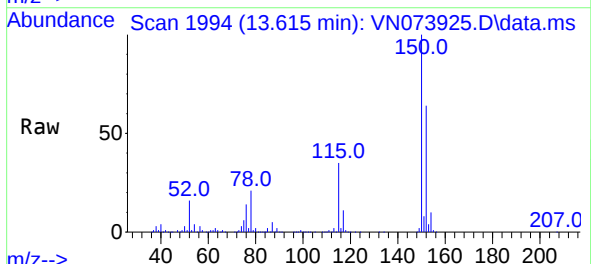
Instrument :
MSVOA_N
ClientSampleId :
S11

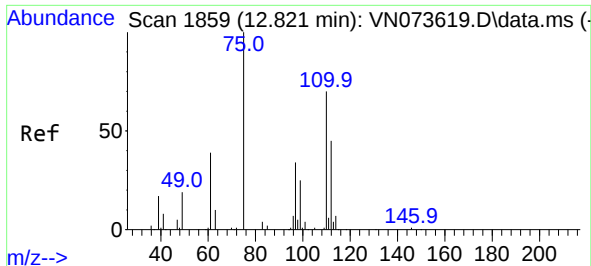
Tgt Ion:173 Resp: 2121
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion:152 Resp: 503708
Ion Ratio Lower Upper
152 100
115 53.5 28.9 86.7
150 156.1 0.0 356.2

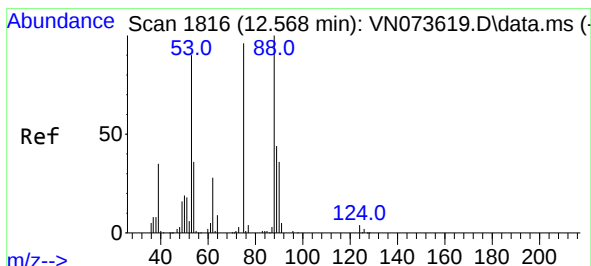
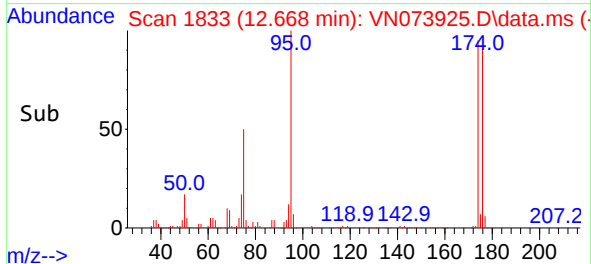
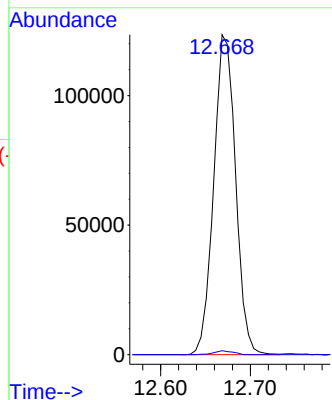
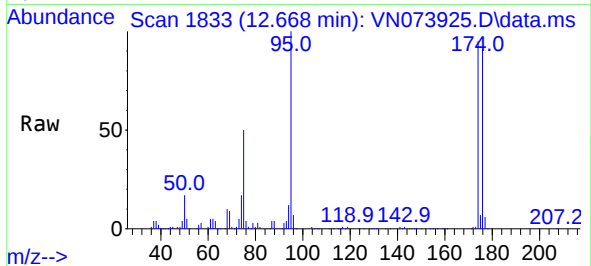




#76
1,2,3-Trichloropropane
Concen: 19.936 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Instrument :
MSVOA_N
ClientSampleId :
S11

Tgt Ion: 75 Resp: 208718
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.701 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073925.D
Acq: 16 Aug 2022 04:09

Tgt Ion: 75 Resp: 208718
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

