

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041322\
 Data File : VN071979.D
 Acq On : 13 Apr 2022 16:28
 Operator : JC\MD
 Sample : N2349-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DEL-3

Quant Time: Apr 14 02:34:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

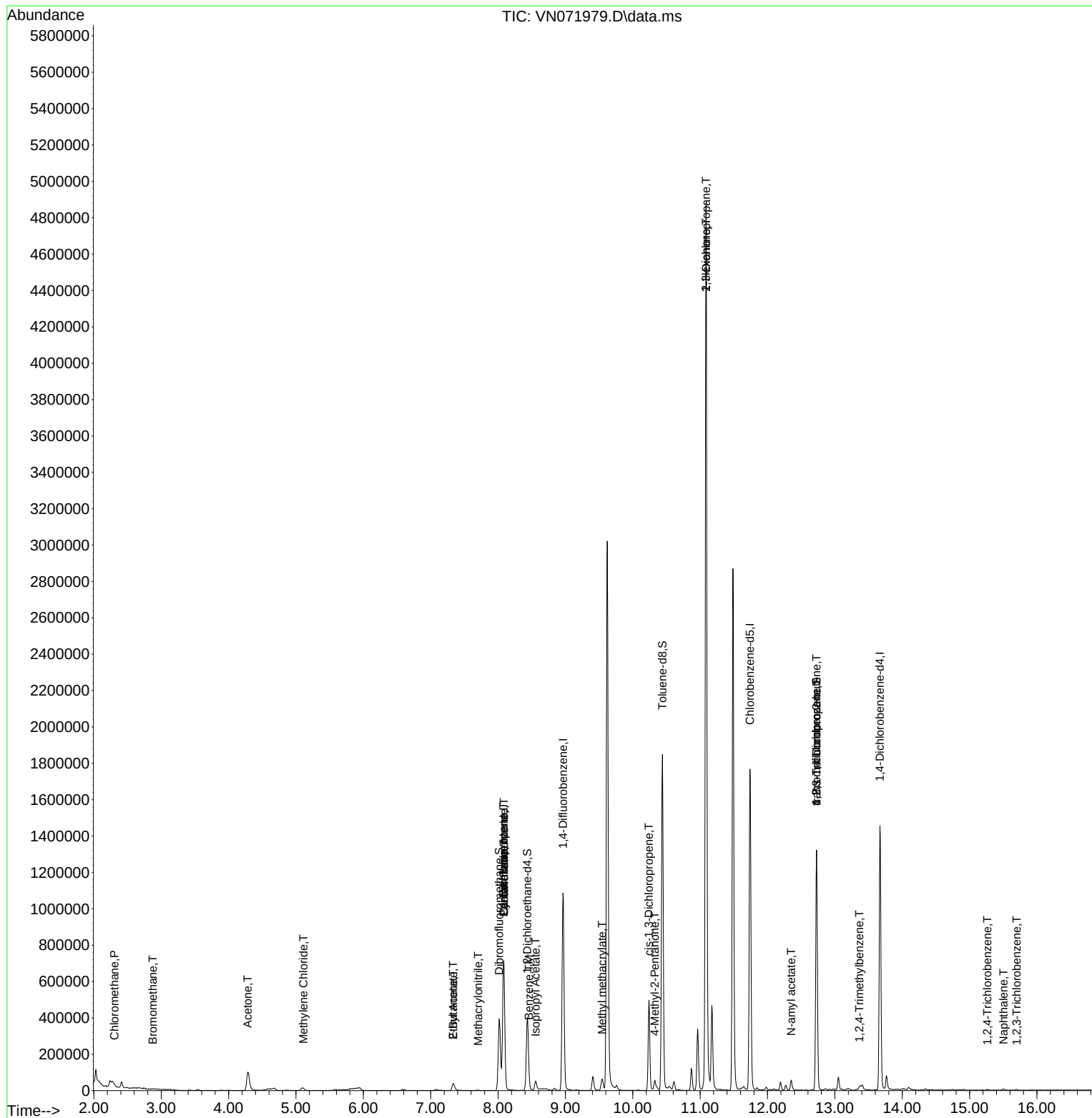
Internal Standards						
1) Pentafluorobenzene	8.086	168	608757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1038566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1123945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	437176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	330791	47.598	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.200%		
35) Dibromofluoromethane	8.016	113	294889	48.253	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.500%		
50) Toluene-d8	10.439	98	1344175	53.767	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.540%		
62) 4-Bromofluorobenzene	12.727	95	478684	59.203	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.400%		
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	2050	0.334	ug/l	98
5) Bromomethane	2.875	94	2022	0.462	ug/l	89
16) Acetone	4.281	43	189979	63.965	ug/l	93
18) Methyl Acetate	4.869	43	6434	Below Cal	#	64
20) Methylene Chloride	5.110	84	13560	2.166	ug/l #	73
25) 2-Butanone	7.334	43	66733	15.586	ug/l	99
31) Cyclohexane	8.086	56	9344	0.989	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	39013	4.571	ug/l #	49
37) Ethyl Acetate	7.334	43	66733	7.144	ug/l #	67
38) Carbon Tetrachloride	8.086	117	52873	6.321	ug/l #	17
40) Benzene	8.457	78	5828	0.216	ug/l	93
41) Methacrylonitrile	7.704	41	1108	0.242	ug/l #	33
43) Isopropyl Acetate	8.557	43	65044	4.186	ug/l #	87
48) Methyl methacrylate	9.545	41	15422	2.392	ug/l #	11
49) 1,4-Dioxane	9.586	88	59	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.327	43	45901	5.138	ug/l #	86
54) cis-1,3-Dichloropropene	10.239	75	101884	9.774	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	57109	4.870	ug/l #	43
59) 2-Hexanone	11.086	43	741578	117.912	ug/l #	54
74) N-amyl acetate	12.351	43	35376	3.351	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	226853	22.400	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	226853	69.416	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.363	105	10193	0.358	ug/l	97
93) 1,2,4-Trichlorobenzene	15.262	180	1603	2.307	ug/l	97
95) Naphthalene	15.504	128	7672	4.159	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	2024	2.700	ug/l #	86

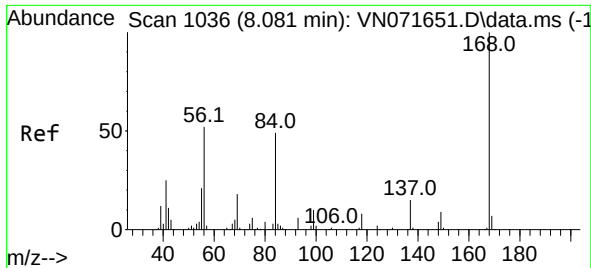
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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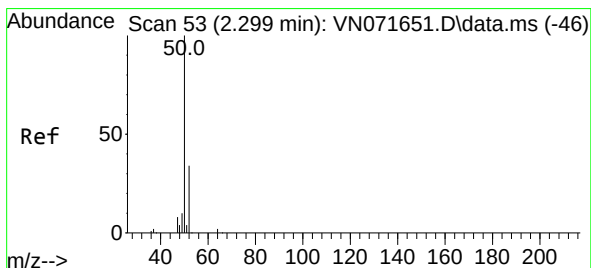
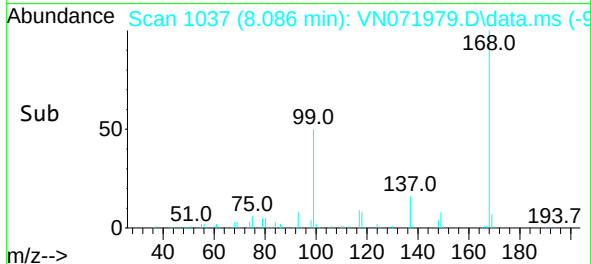
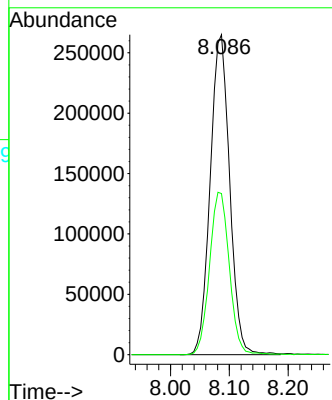
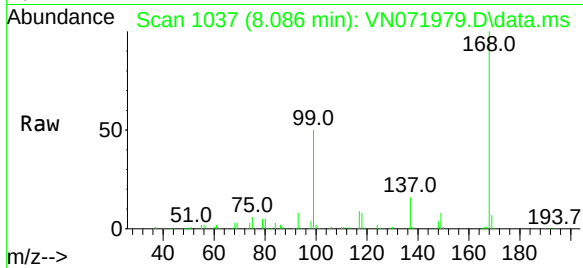




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

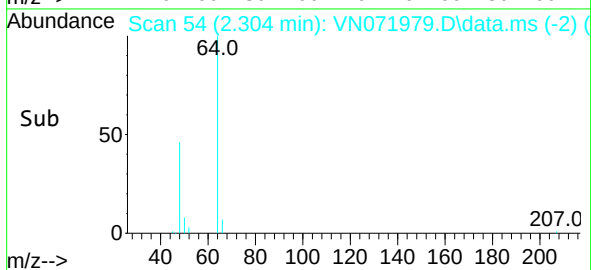
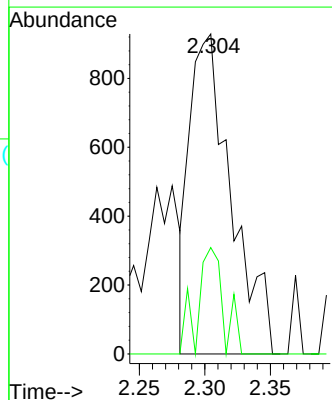
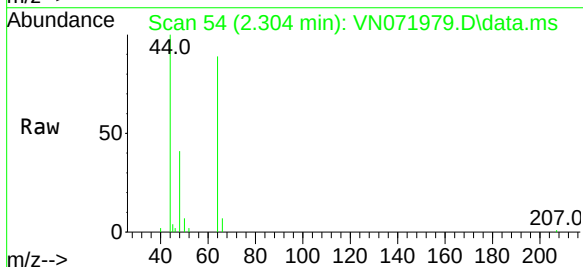
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

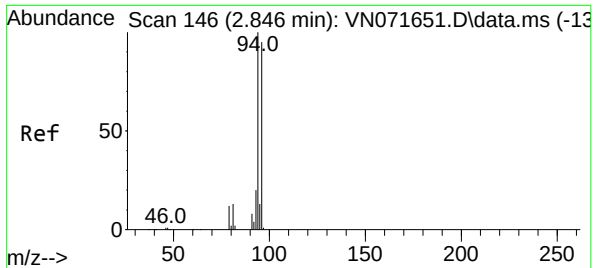
Tgt Ion:168 Resp: 608757
Ion Ratio Lower Upper
168 100
99 50.4 42.3 63.5



#3
Chloromethane
Concen: 0.334 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 50 Resp: 2050
Ion Ratio Lower Upper
50 100
52 33.3 25.7 38.5

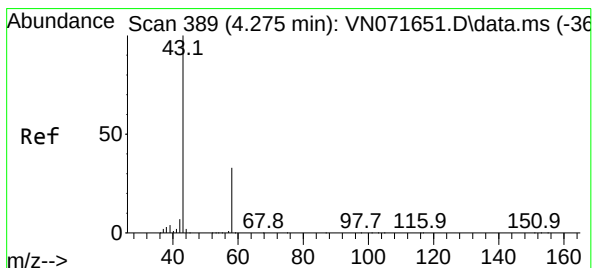
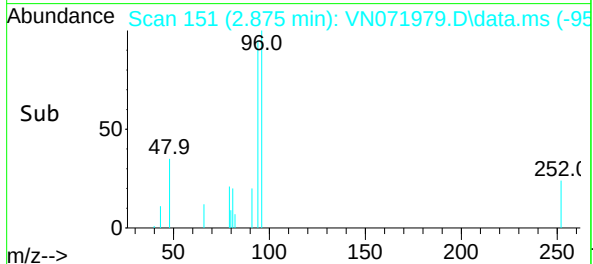
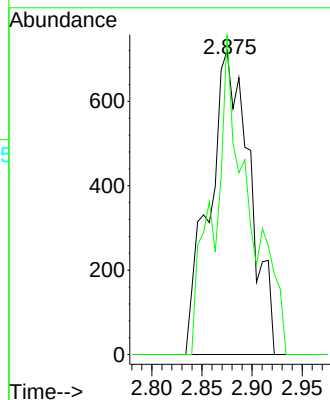
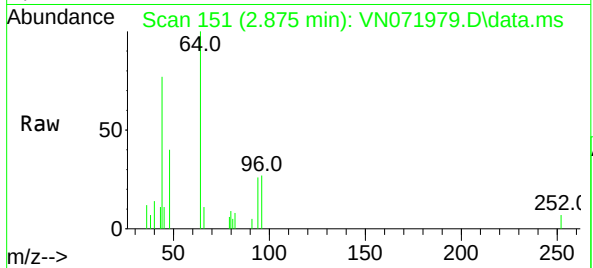




#5
Bromomethane
Concen: 0.462 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

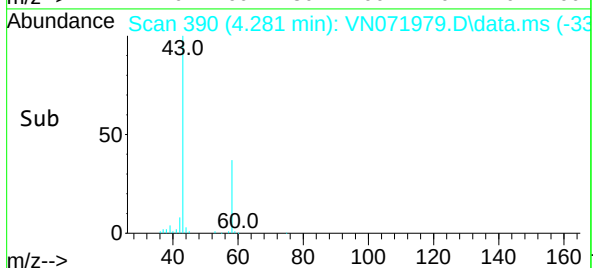
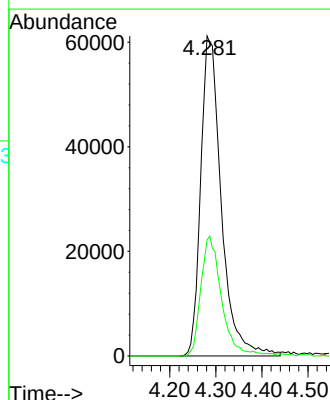
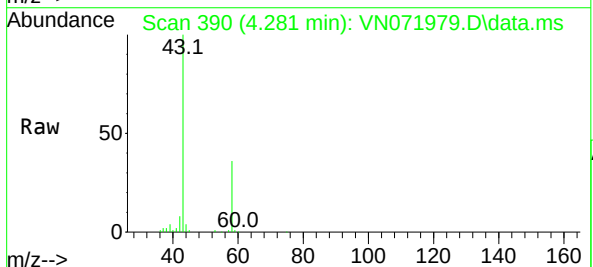
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

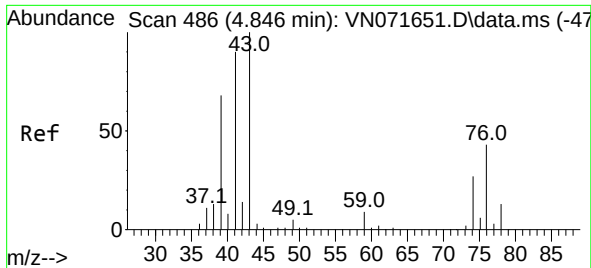
Tgt Ion: 94 Resp: 2022
Ion Ratio Lower Upper
94 100
96 105.3 76.0 114.0



#16
Acetone
Concen: 63.965 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 43 Resp: 189979
Ion Ratio Lower Upper
43 100
58 36.3 26.0 39.0

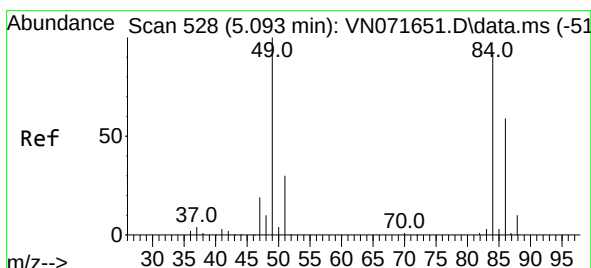
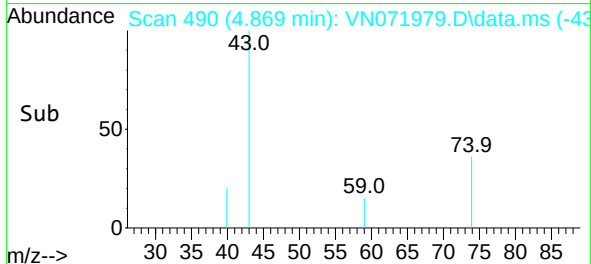
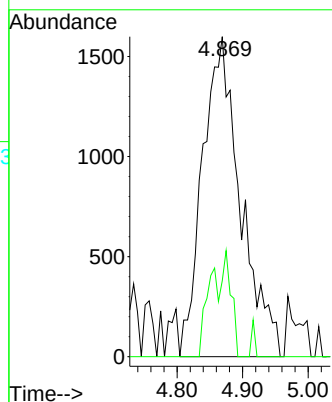
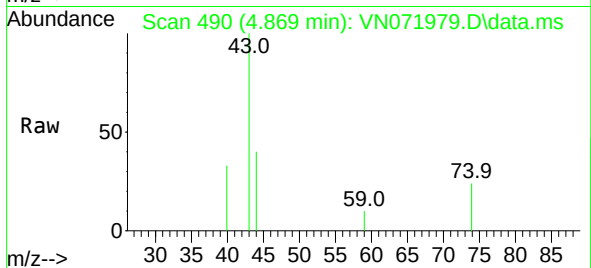




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 49
Delta R.T. 0.023 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

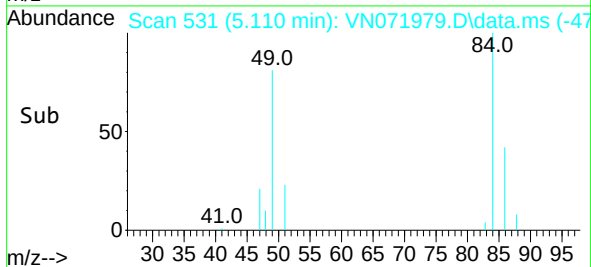
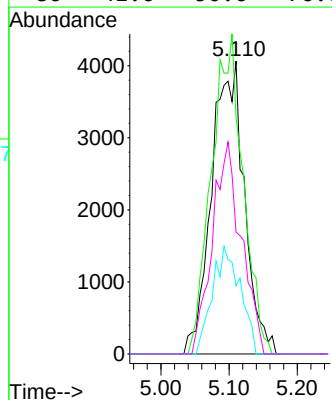
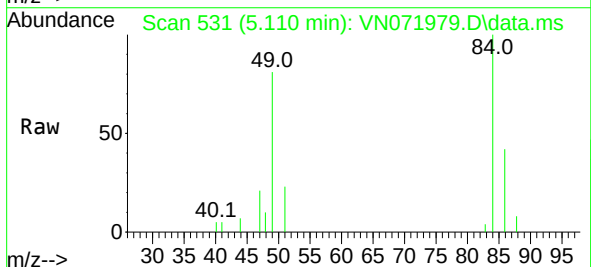
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

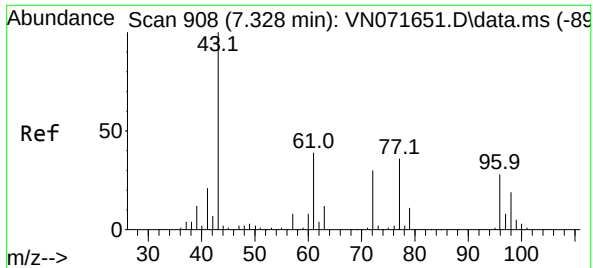
Tgt Ion: 43 Resp: 6434
Ion Ratio Lower Upper
43 100
74 8.3 21.6 32.4#



#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 5.110 min Scan# 531
Delta R.T. 0.017 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 84 Resp: 13560
Ion Ratio Lower Upper
84 100
49 81.0 88.3 132.5#
51 23.3 28.2 42.2#
86 41.6 50.6 76.0#

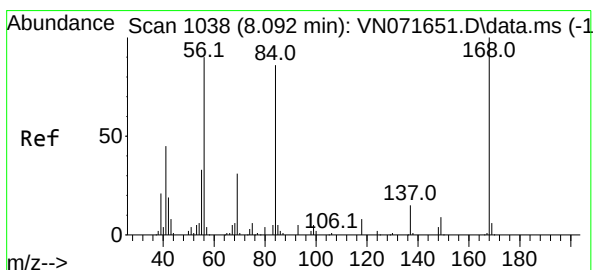
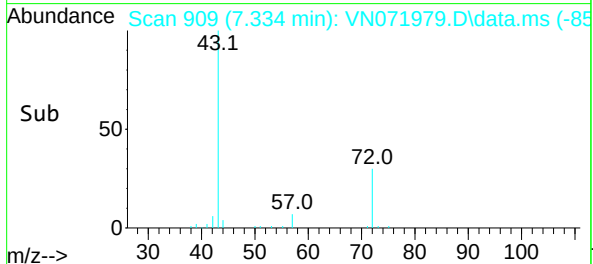
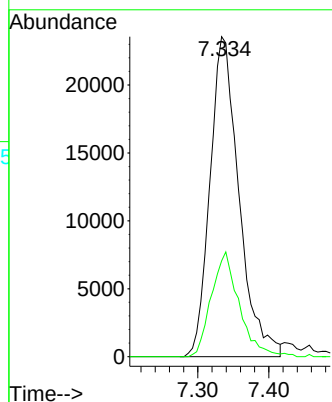
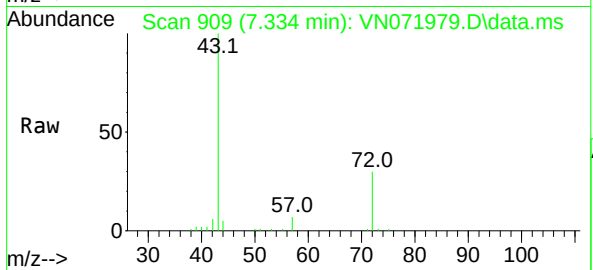




#25
2-Butanone
Concen: 15.586 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

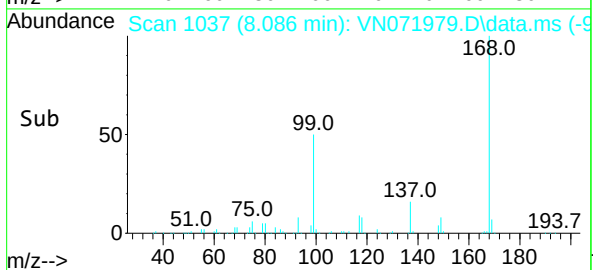
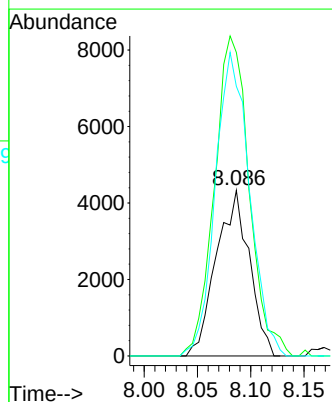
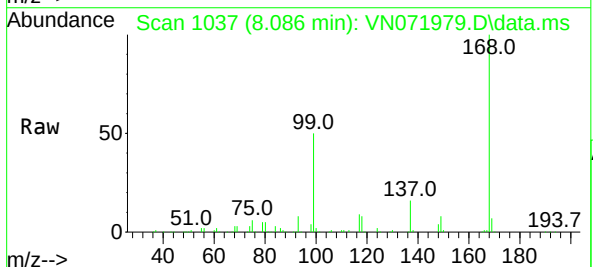
Instrument :
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ClientSampleId :
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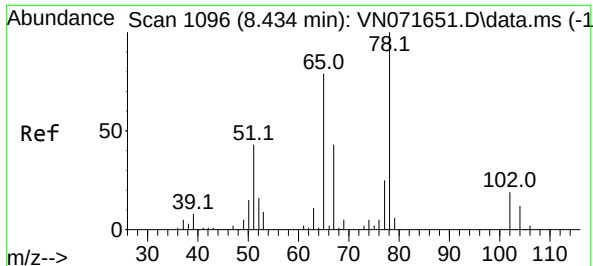
Tgt Ion: 43 Resp: 66733
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5



#31
Cyclohexane
Concen: 0.989 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 56 Resp: 9344
Ion Ratio Lower Upper
56 100
69 183.3 27.8 41.8#
84 162.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.598 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

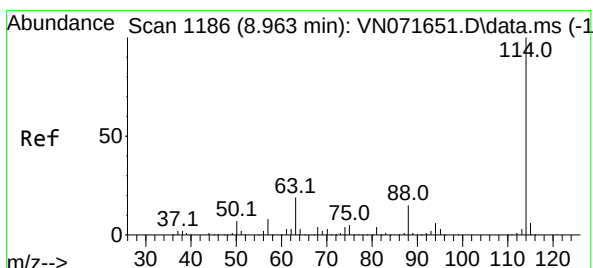
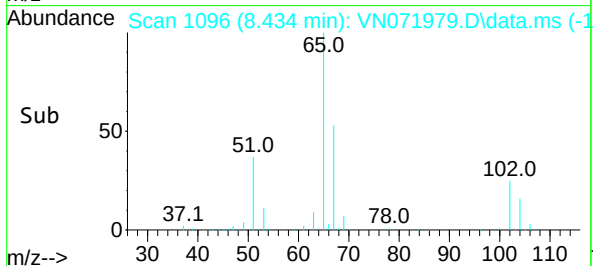
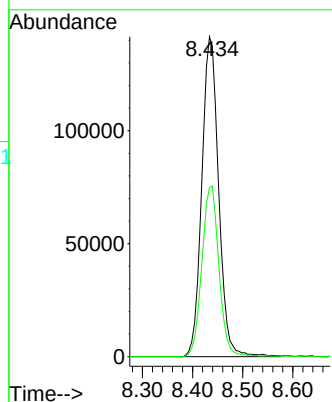
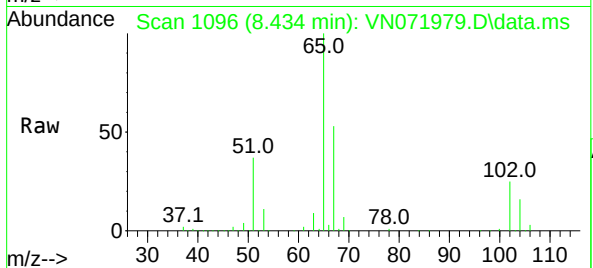
DEL-3

Tgt Ion: 65 Resp: 330791

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

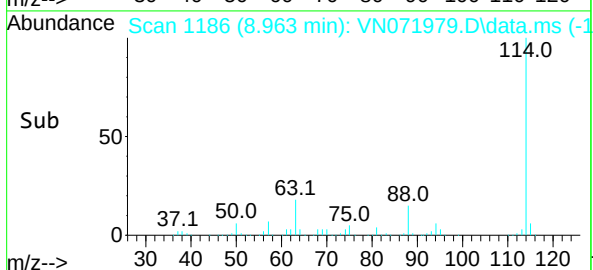
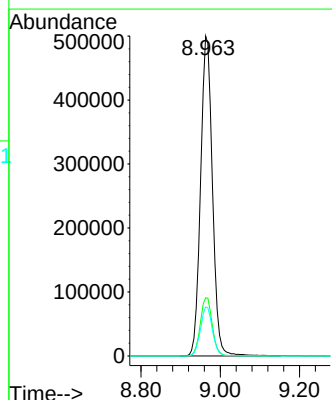
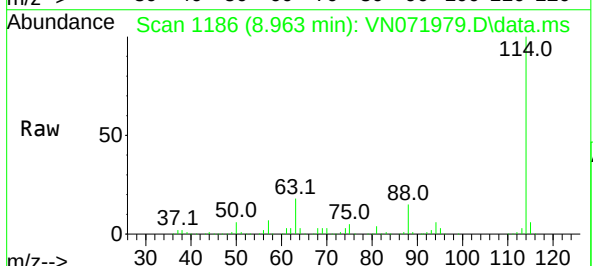
Tgt Ion: 114 Resp: 1038566

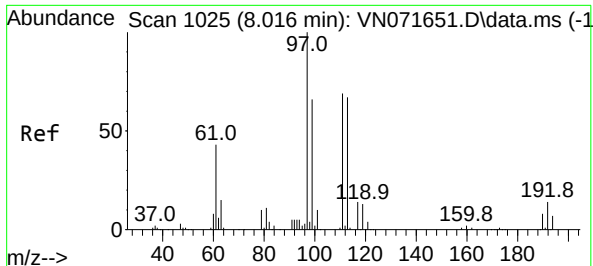
Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 15.3 0.0 32.6

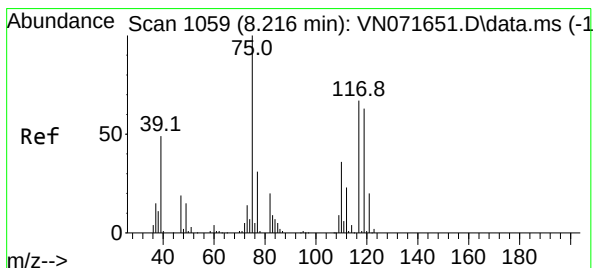
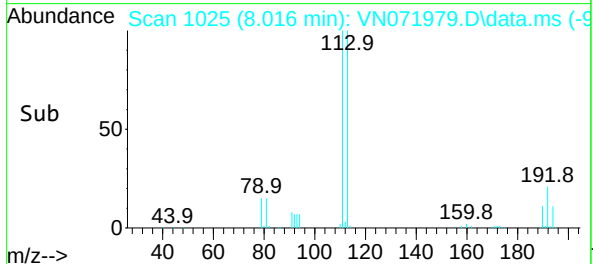
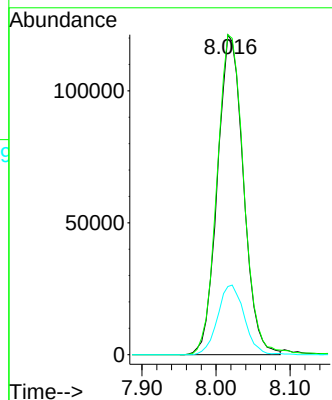
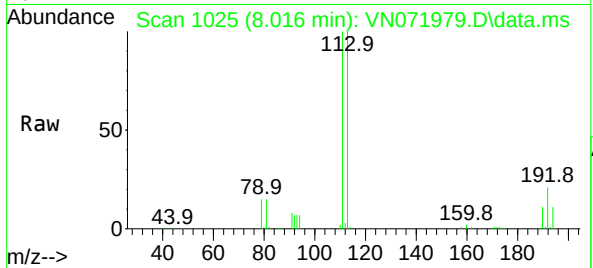




#35
Dibromofluoromethane
Concen: 48.253 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

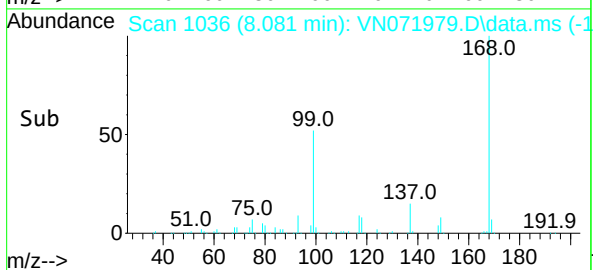
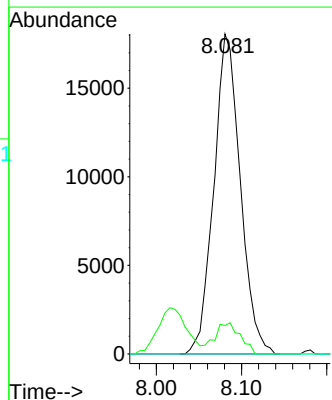
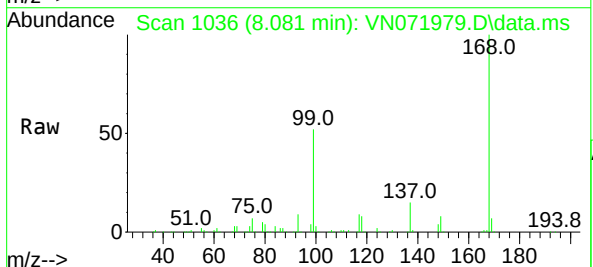
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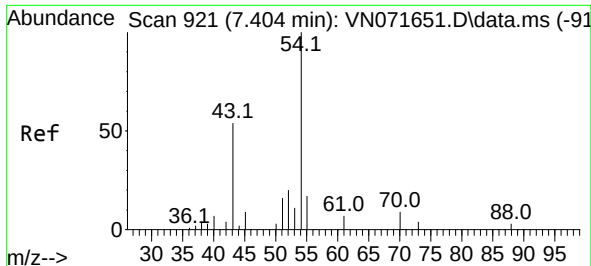
Tgt Ion:113 Resp: 294889
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 22.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 75 Resp: 39013
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.144 ug/l

RT: 7.334 min Scan# 90

Delta R.T. -0.070 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

DEL-3

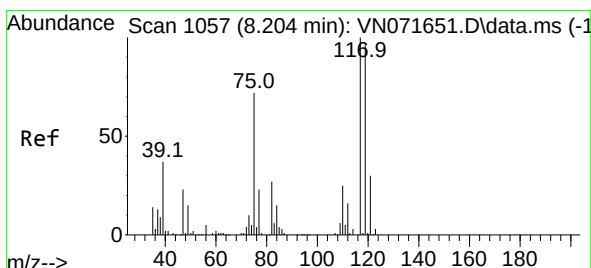
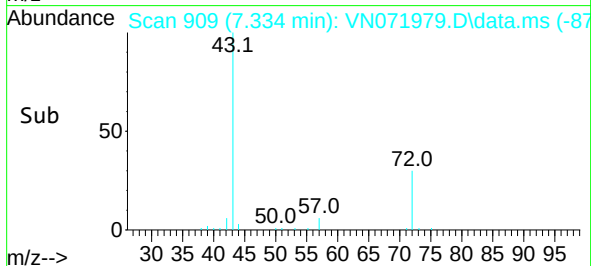
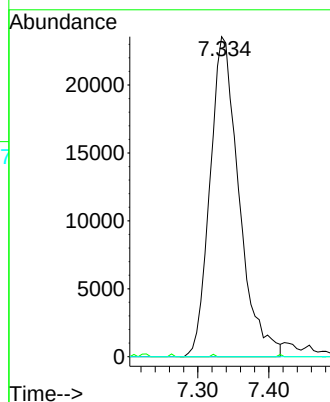
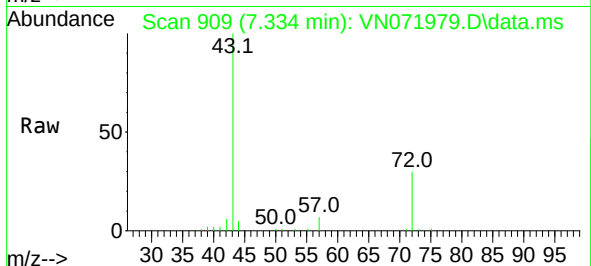
Tgt Ion: 43 Resp: 66733

Ion Ratio Lower Upper

43 100

61 0.1 11.8 17.6#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

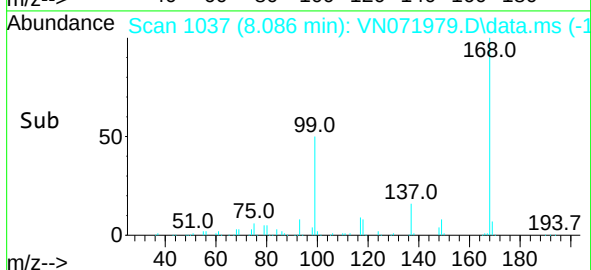
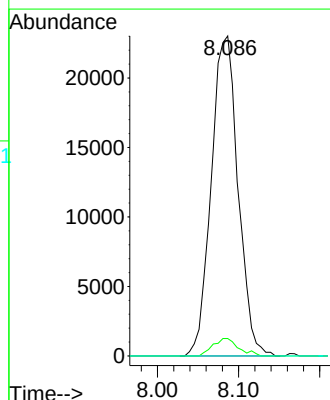
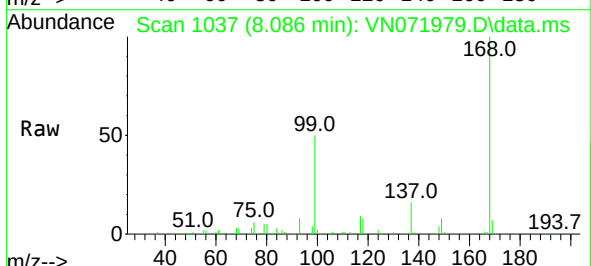
Tgt Ion: 117 Resp: 52873

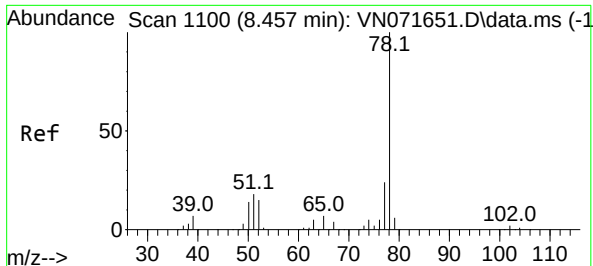
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 24.6 37.0#

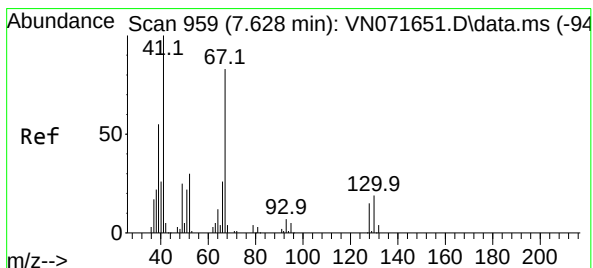
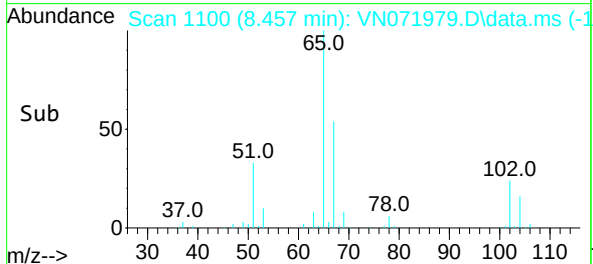
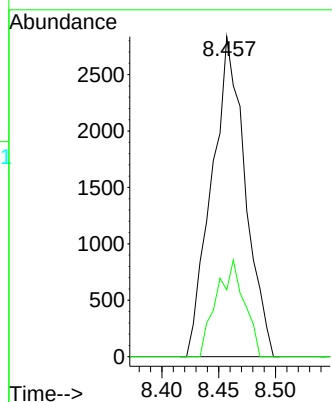
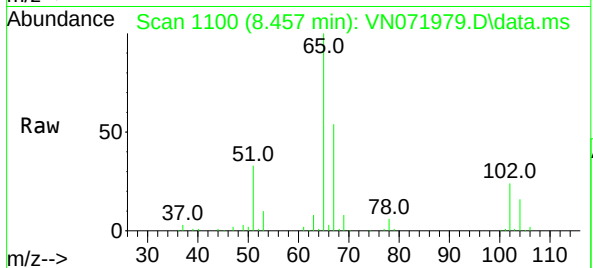




#40
Benzene
Concen: 0.216 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

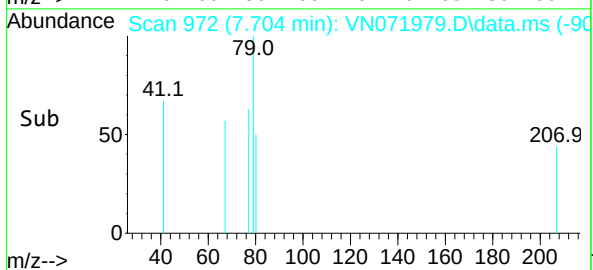
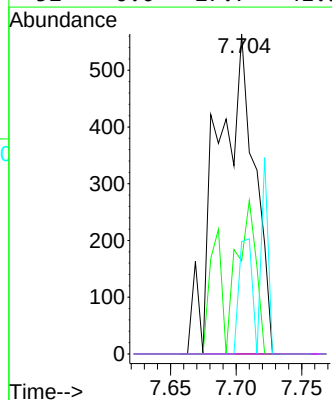
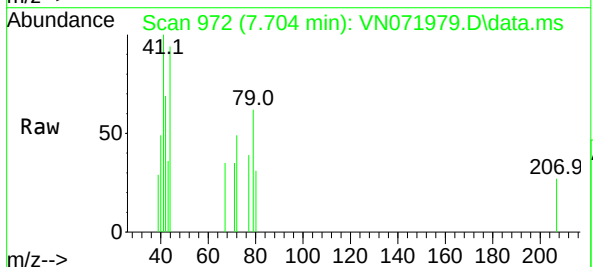
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

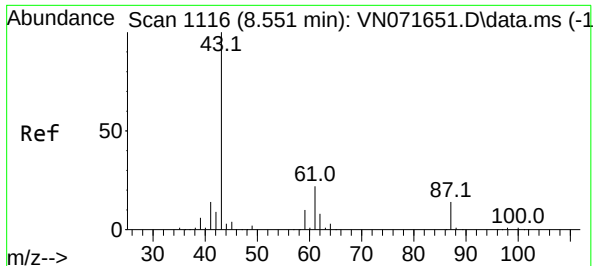
Tgt Ion: 78 Resp: 5828
Ion Ratio Lower Upper
78 100
77 20.9 19.4 29.0



#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.076 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 41 Resp: 1108
Ion Ratio Lower Upper
41 100
39 24.6 48.6 73.0#
67 12.8 73.4 110.2#
52 0.0 27.7 41.5#

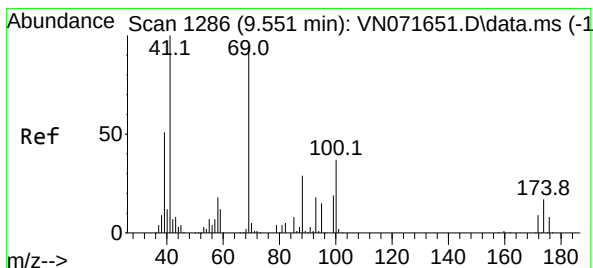
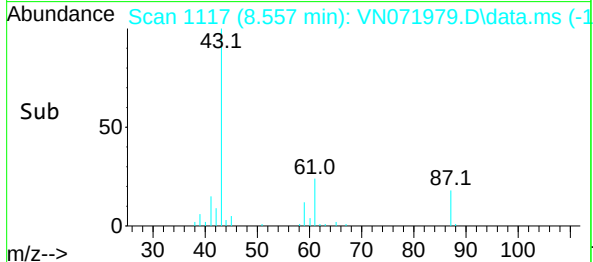
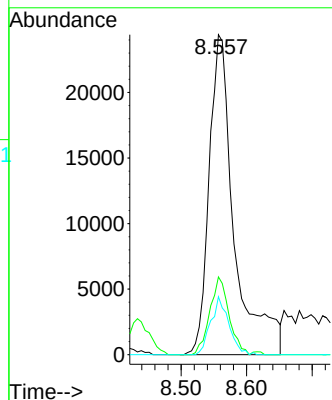
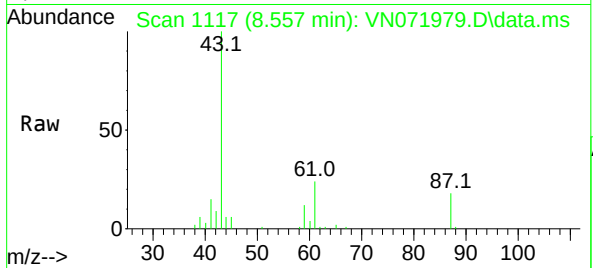




#43
Isopropyl Acetate
Concen: 4.186 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

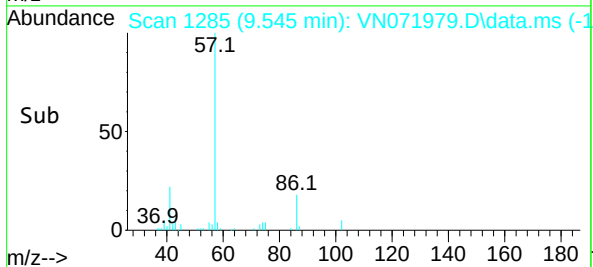
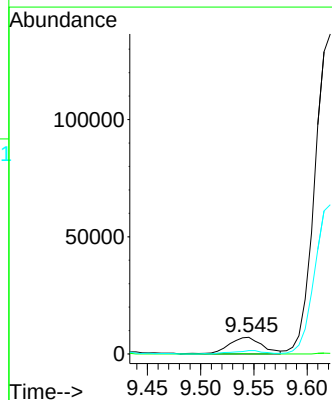
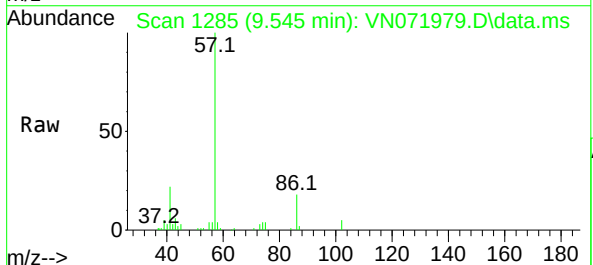
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

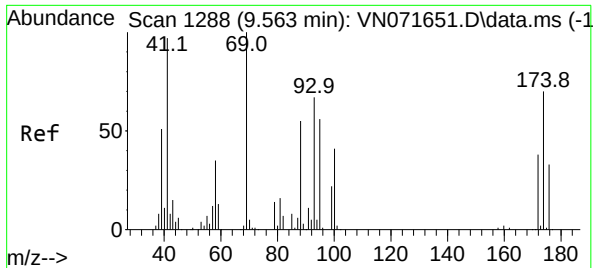
Tgt Ion: 43 Resp: 65044
Ion Ratio Lower Upper
43 100
61 18.6 21.9 32.9#
87 13.0 12.0 18.0



#48
Methyl methacrylate
Concen: 2.392 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.006 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 41 Resp: 15422
Ion Ratio Lower Upper
41 100
69 0.4 74.7 112.1#
39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.586 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

DEL-3

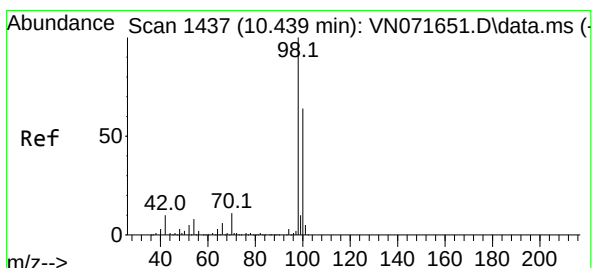
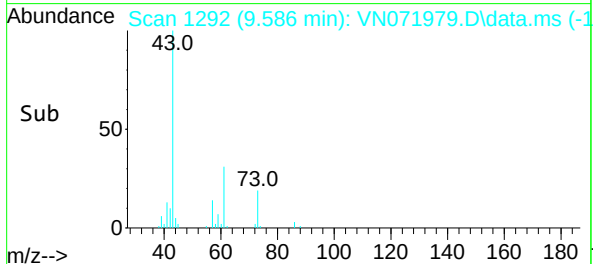
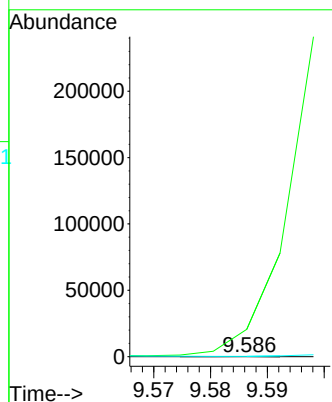
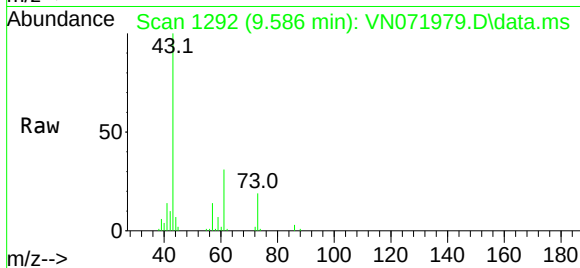
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 53.767 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071979.D

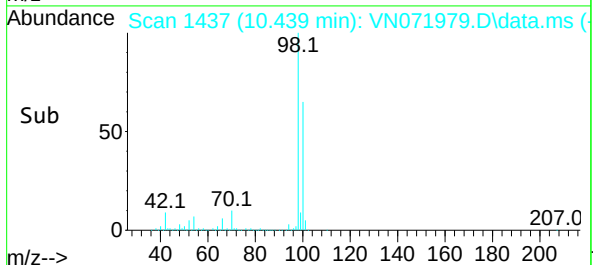
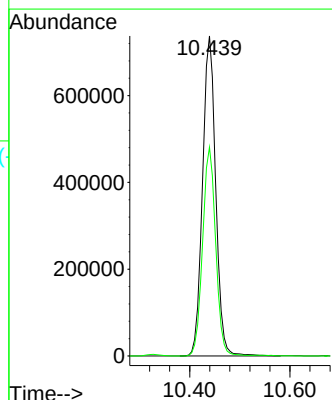
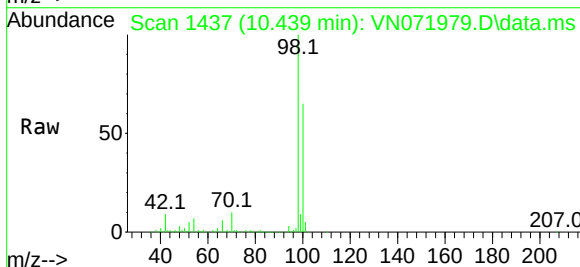
Acq: 13 Apr 2022 16:28

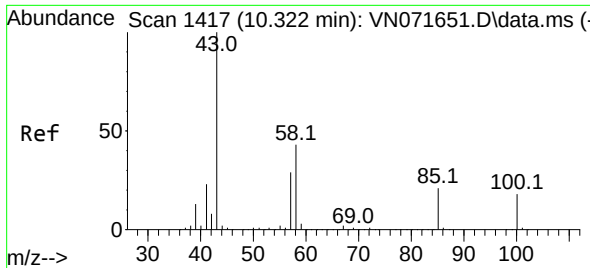
Tgt Ion: 98 Resp: 1344175

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8

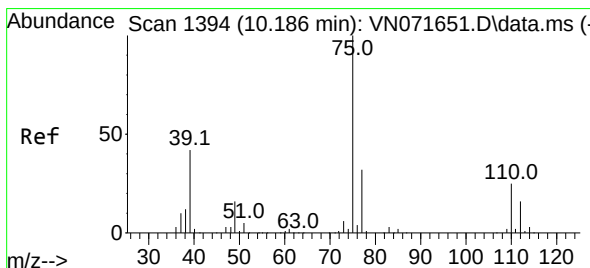
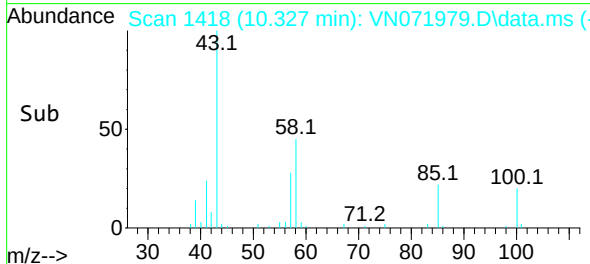
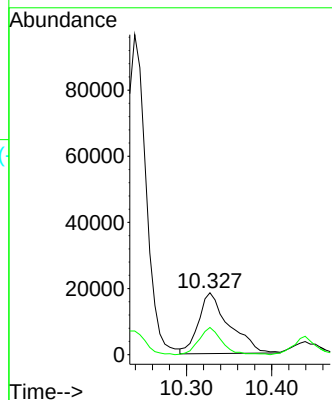
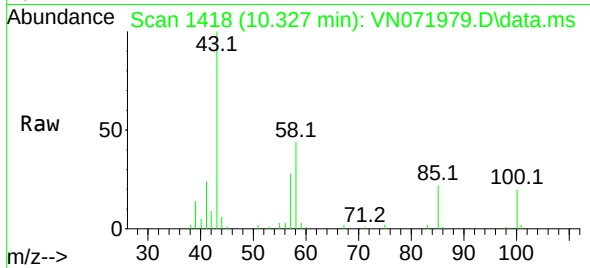




#51
4-Methyl-2-Pentanone
Concen: 5.138 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

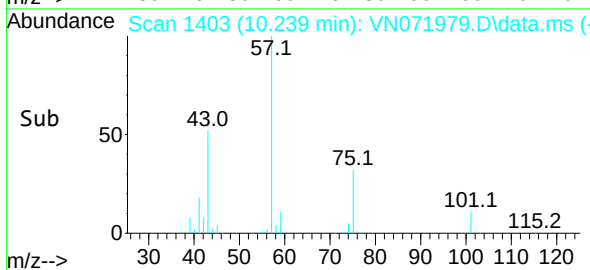
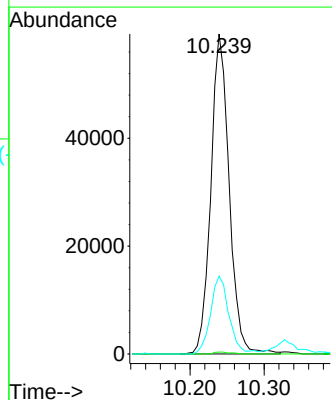
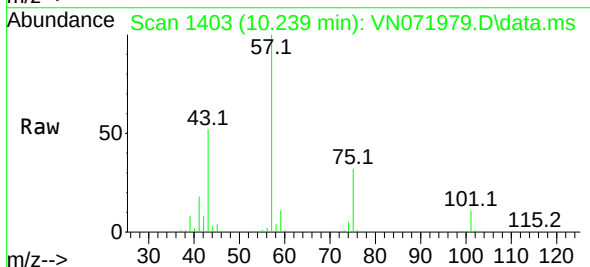
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

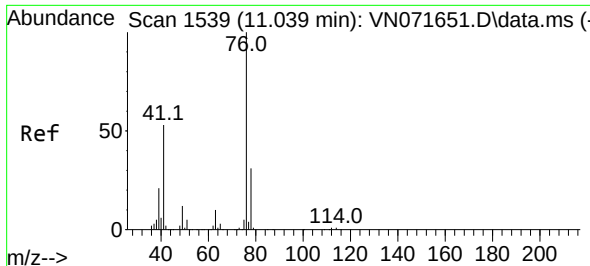
Tgt Ion: 43 Resp: 45901
Ion Ratio Lower Upper
43 100
58 33.7 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 9.774 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 75 Resp: 101884
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 24.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.870 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

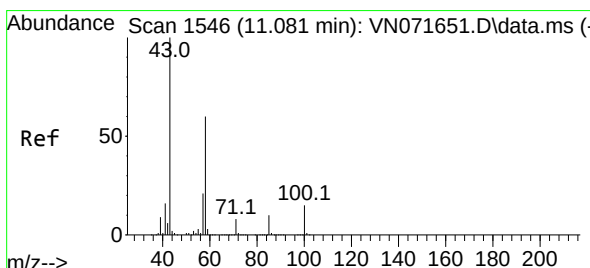
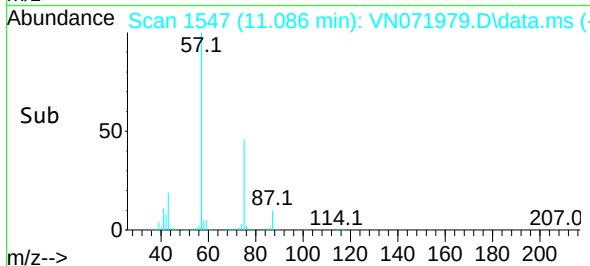
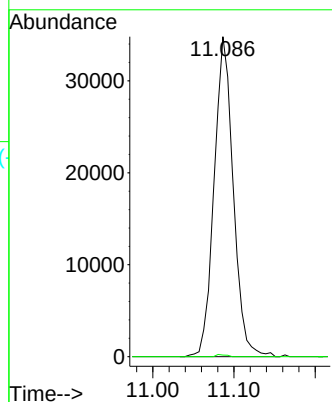
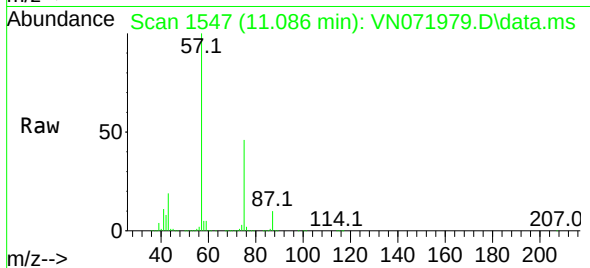
DEL-3

Tgt Ion: 76 Resp: 57109

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 117.912 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071979.D

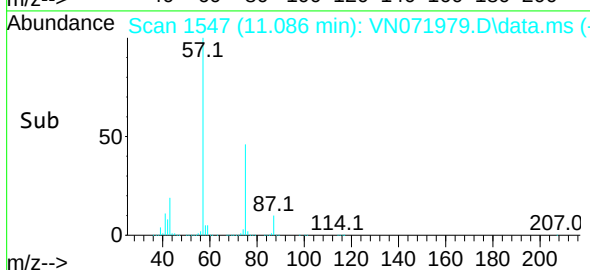
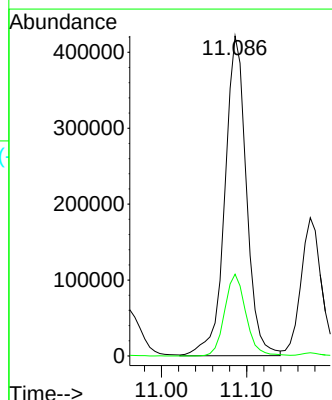
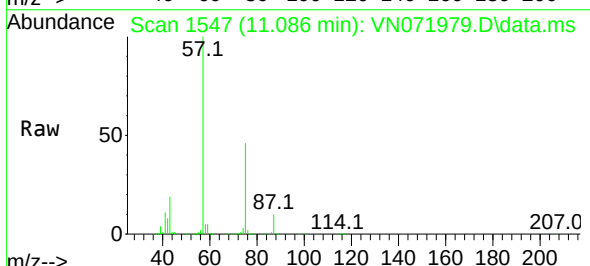
Acq: 13 Apr 2022 16:28

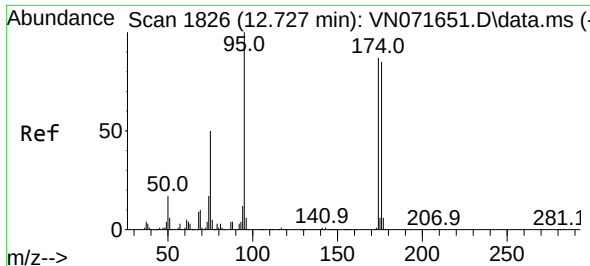
Tgt Ion: 43 Resp: 741578

Ion Ratio Lower Upper

43 100

58 25.1 29.7 89.1#

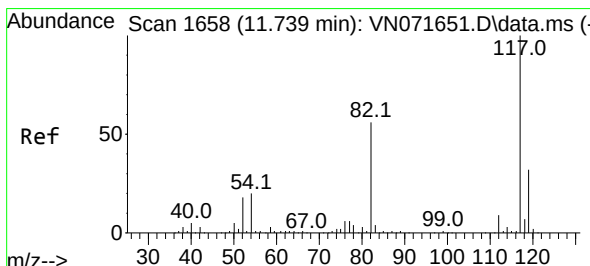
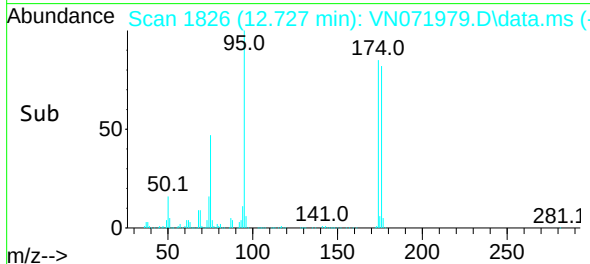
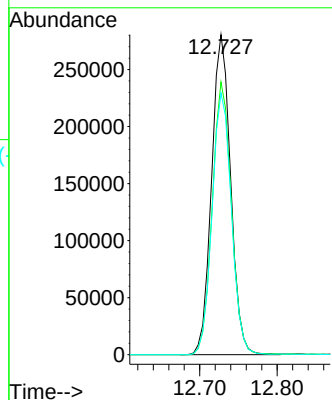
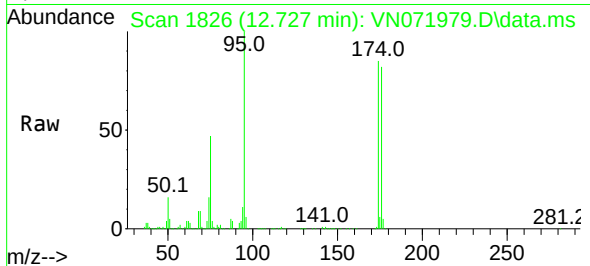




#62
4-Bromofluorobenzene
Concen: 59.203 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

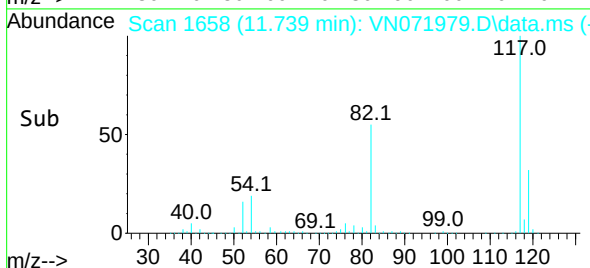
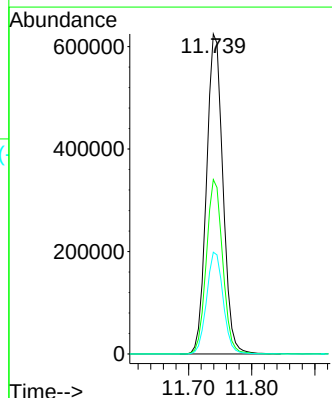
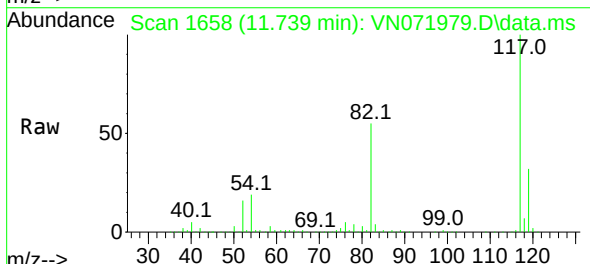
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

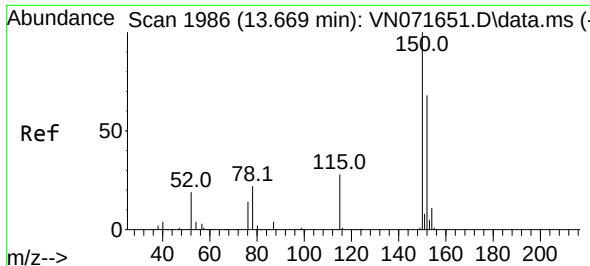
Tgt Ion: 95 Resp: 478684
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 82.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 117 Resp: 1123945
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.8 25.4 38.0

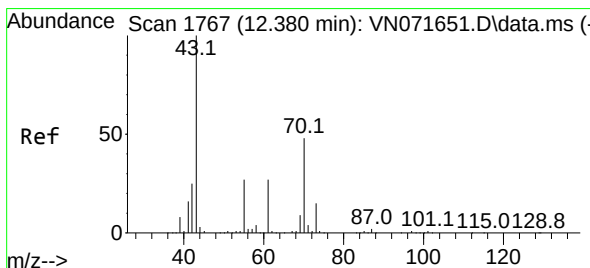
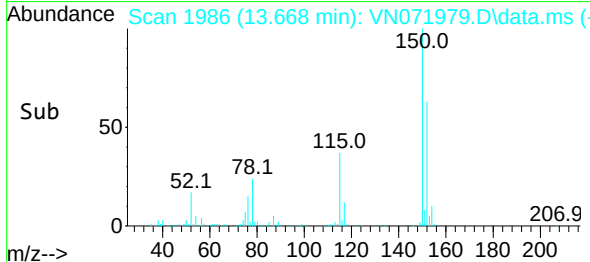
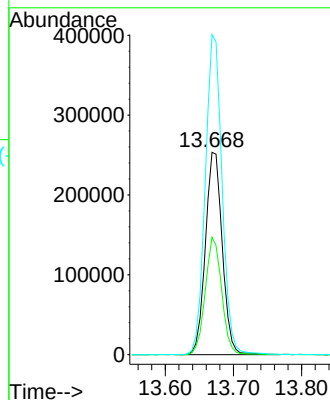
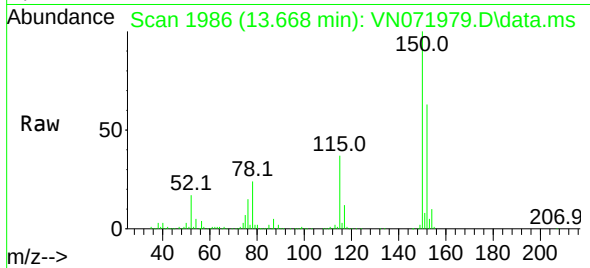




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

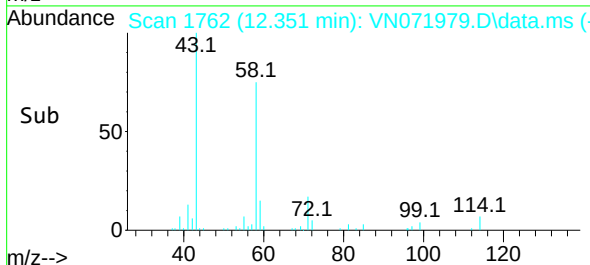
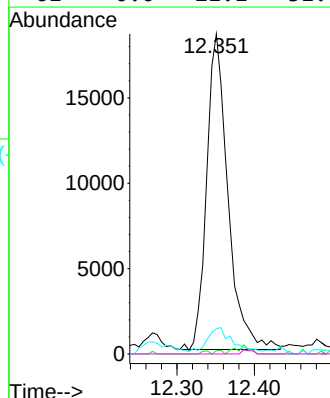
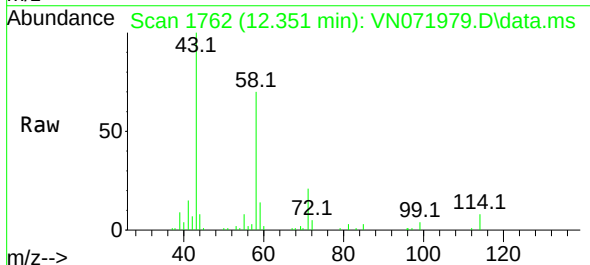
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

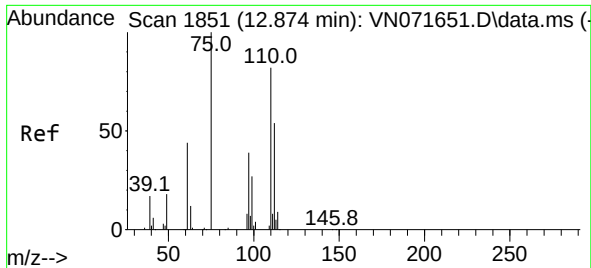
Tgt Ion:152 Resp: 437176
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.0 0.0 356.2



#74
N-ethyl acetate
Concen: 3.351 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 43 Resp: 35376
Ion Ratio Lower Upper
43 100
70 0.4 39.0 58.4#
55 8.3 21.1 31.7#
61 0.0 21.1 31.7#

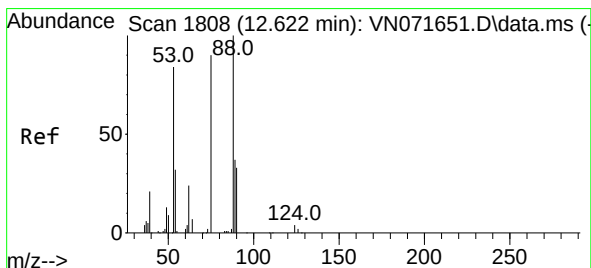
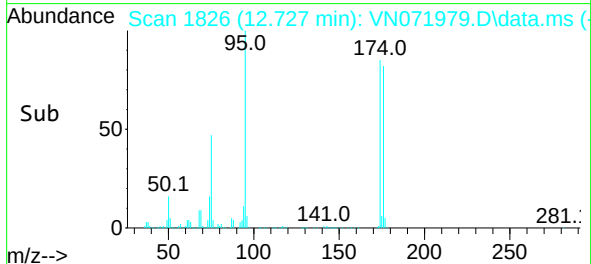
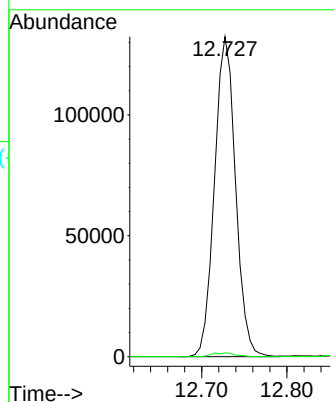
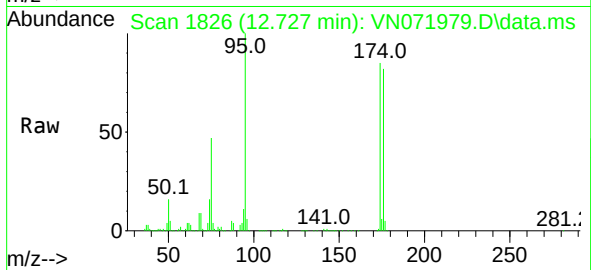




#76
1,2,3-Trichloropropane
Concen: 22.400 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

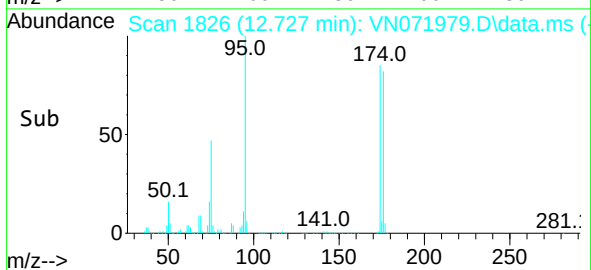
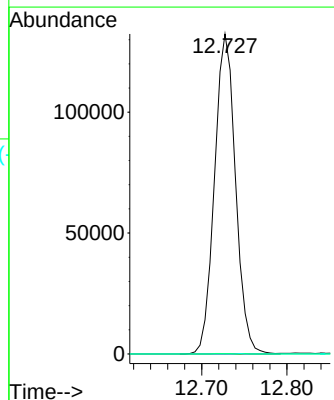
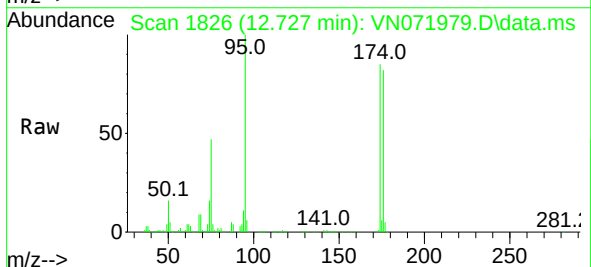
Instrument :
MSVOA_N
ClientSampleId :
DEL-3

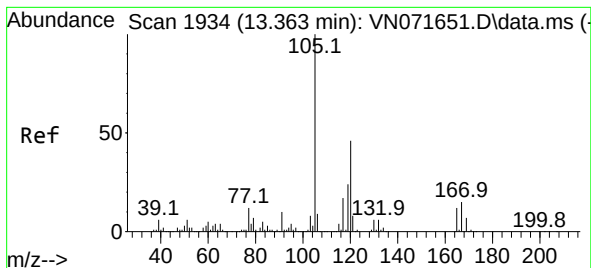
Tgt Ion: 75 Resp: 226853
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.416 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071979.D
Acq: 13 Apr 2022 16:28

Tgt Ion: 75 Resp: 226853
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.358 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

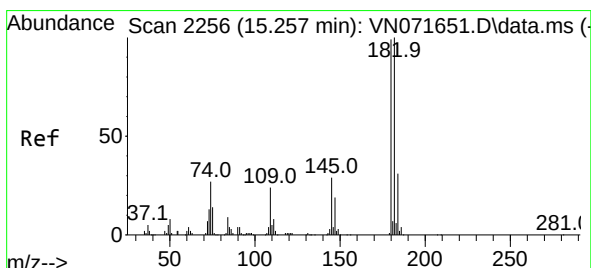
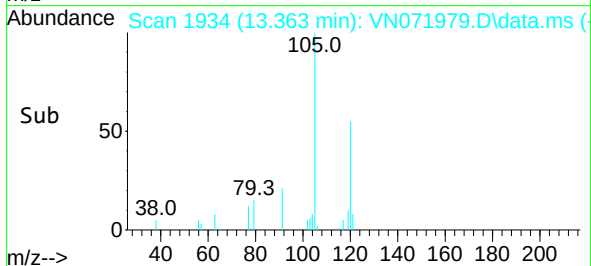
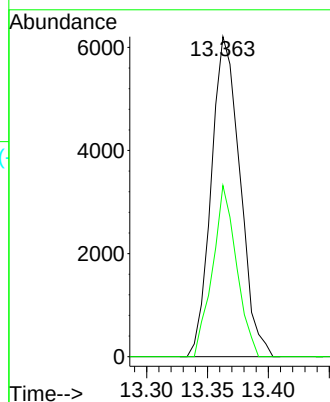
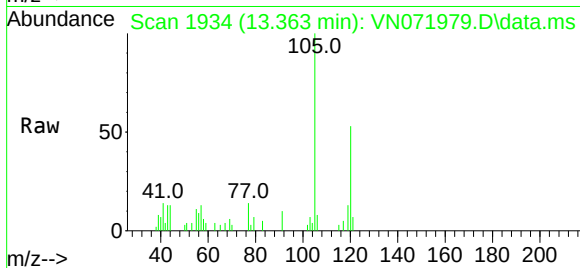
DEL-3

Tgt Ion:105 Resp: 10193

Ion Ratio Lower Upper

105 100

120 44.6 23.3 69.8



#93

1,2,4-Trichlorobenzene

Concen: 2.307 ug/l

RT: 15.262 min Scan# 2257

Delta R.T. 0.005 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

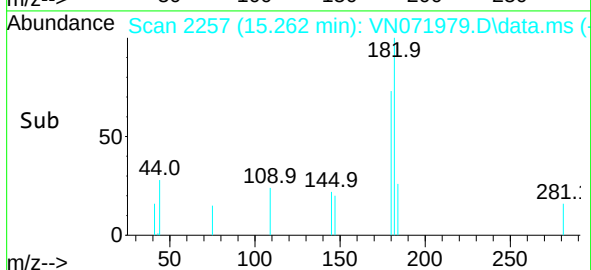
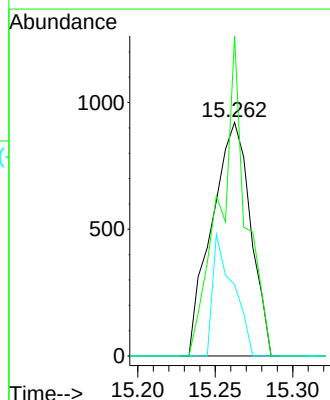
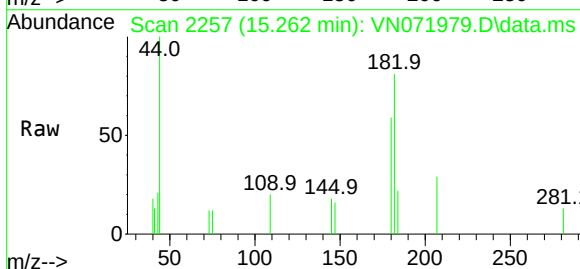
Tgt Ion:180 Resp: 1603

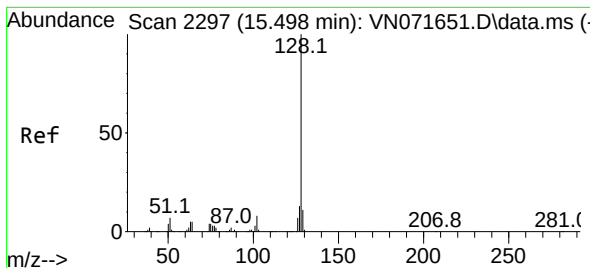
Ion Ratio Lower Upper

180 100

182 92.5 47.5 142.5

145 27.4 14.5 43.5





#95

Naphthalene

Concen: 4.159 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

DEL-3

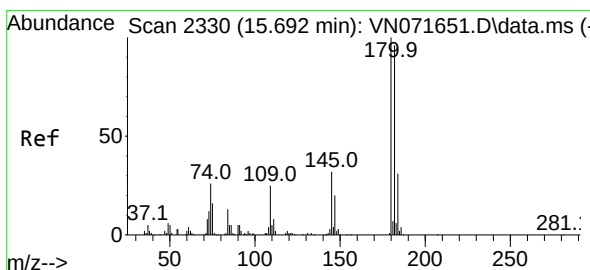
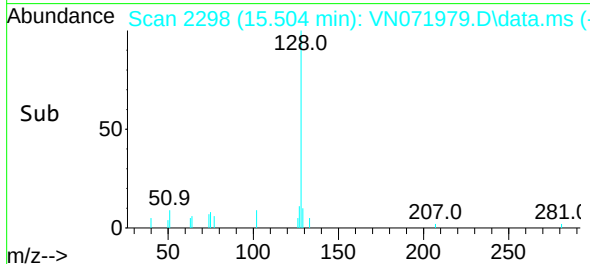
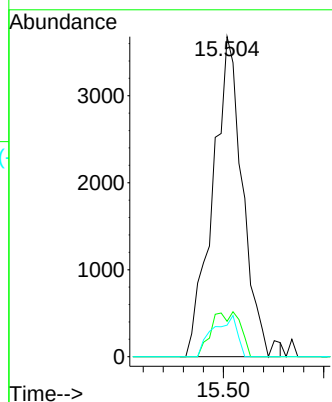
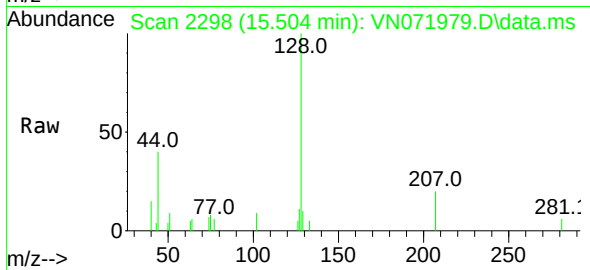
Tgt Ion:128 Resp: 7672

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.700 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN071979.D

Acq: 13 Apr 2022 16:28

Tgt Ion:180 Resp: 2024

Ion Ratio Lower Upper

180 100

182 101.1 47.8 143.3

145 8.3 15.5 46.5#

