

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074077.D
 Acq On : 23 Aug 2022 18:54
 Operator : JC\MD
 Sample : N4261-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C5

Quant Time: Aug 24 01:14:36 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)

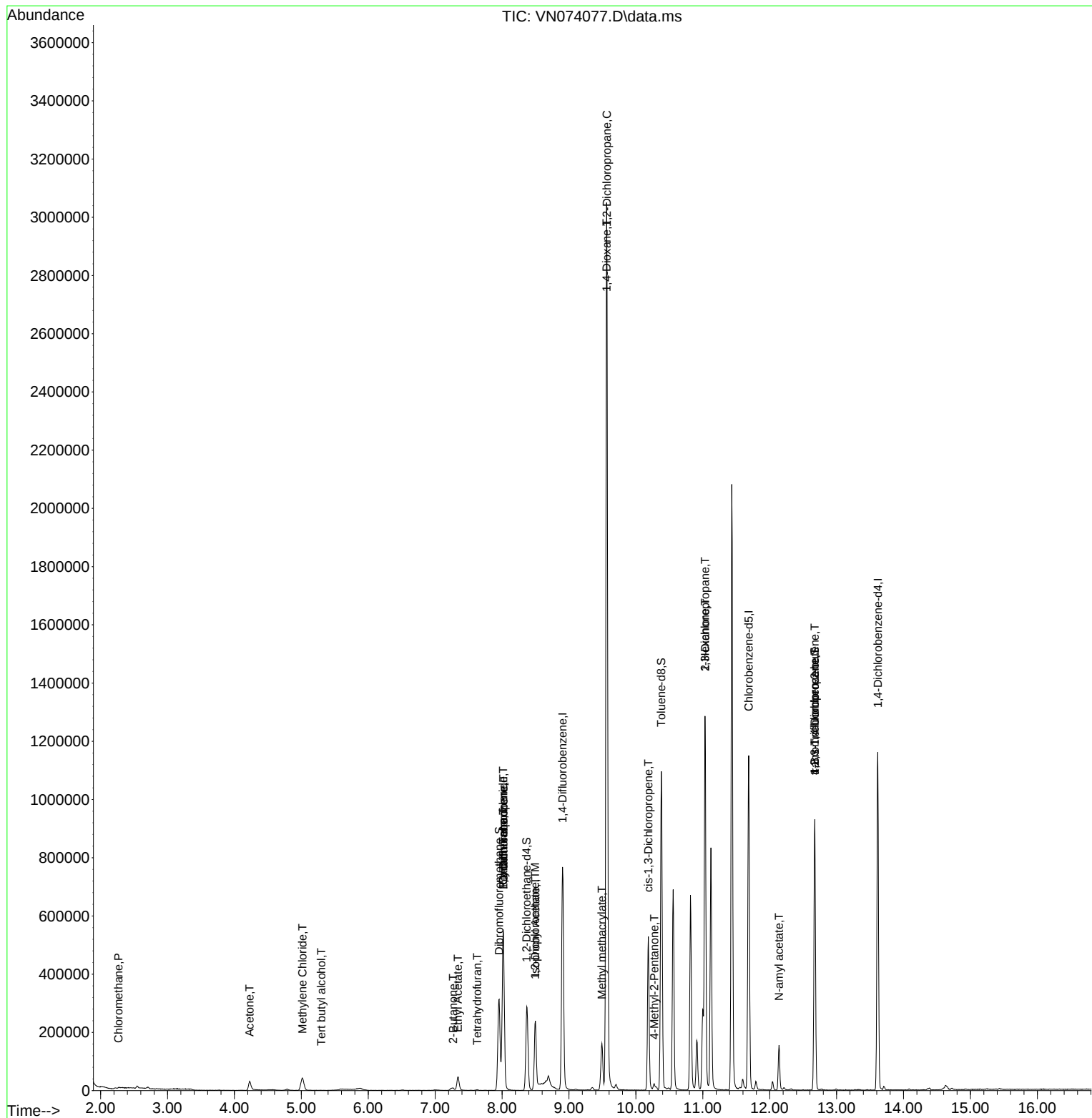
Internal Standards						
1) Pentafluorobenzene	8.022	168	461457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	728331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	706033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	342784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241398	53.709	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	7.957	113	235518	54.679	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.360%	
50) Toluene-d8	10.380	98	790709	47.400	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.800%	
62) 4-Bromofluorobenzene	12.674	95	315075	56.910	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	898	0.221	ug/l	100
11) Tert butyl alcohol	5.298	59	377	0.375	ug/l #	72
16) Acetone	4.228	43	54596	25.747	ug/l	93
18) Methyl Acetate	4.787	43	8349	Below Cal		93
20) Methylene Chloride	5.016	84	37473	8.375	ug/l	95
25) 2-Butanone	7.269	43	10236	3.044	ug/l	99
29) Tetrahydrofuran	7.628	42	1668	0.773	ug/l #	45
31) Cyclohexane	8.016	56	7831	1.250	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	30026	5.019	ug/l #	48
37) Ethyl Acetate	7.339	43	69486	9.587	ug/l	98
38) Carbon Tetrachloride	8.016	117	40609	5.938	ug/l #	16
42) 1,2-Dichloroethane	8.492	62	1623	0.250	ug/l #	74
43) Isopropyl Acetate	8.498	43	278279	26.951	ug/l #	91
45) 1,2-Dichloropropane	9.569	63	4252	0.939	ug/l #	44
48) Methyl methacrylate	9.492	41	9690	2.193	ug/l #	36
49) 1,4-Dioxane	9.563	88	593	4.514	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	21471	3.076	ug/l #	71
54) cis-1,3-Dichloropropene	10.186	75	99759	13.212	ug/l #	62
57) 1,3-Dichloropropane	11.033	76	13945	1.703	ug/l #	42
59) 2-Hexanone	11.033	43	172087	32.031	ug/l #	50
74) N-amyl acetate	12.139	43	45699	4.843	ug/l #	50
76) 1,2,3-Trichloropropane	12.674	75	152497	21.404	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	152497	60.877	ug/l #	11

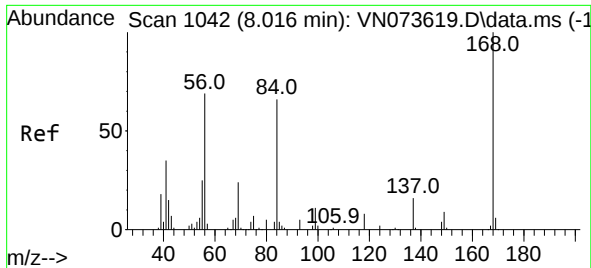
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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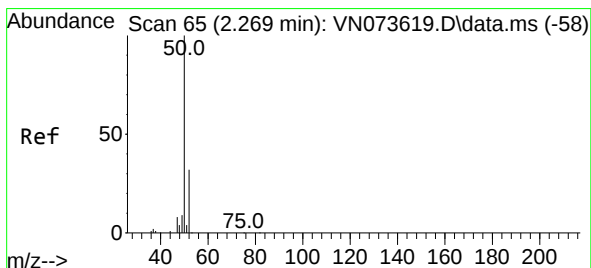
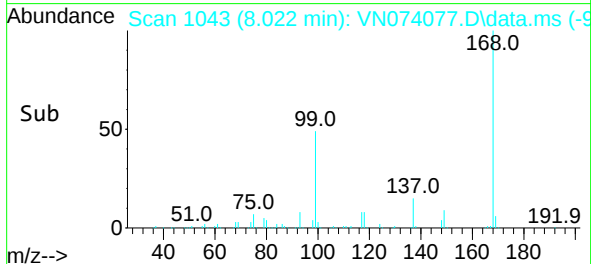
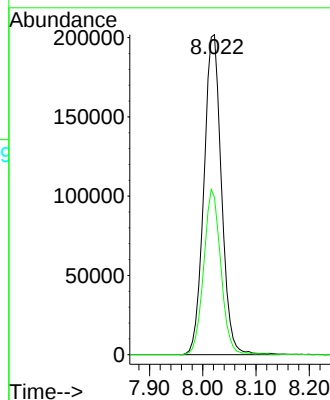
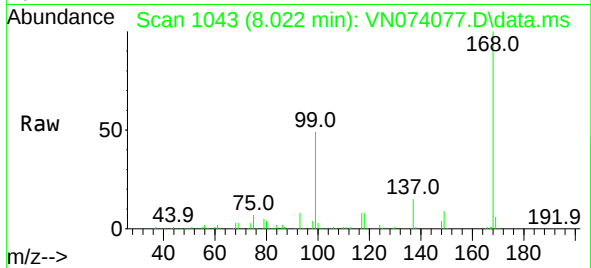




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

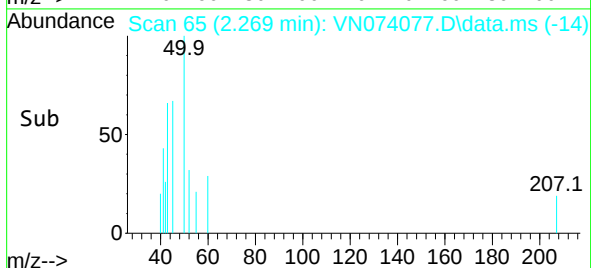
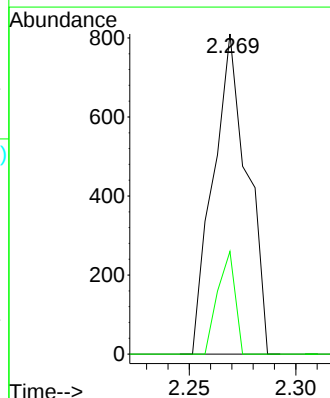
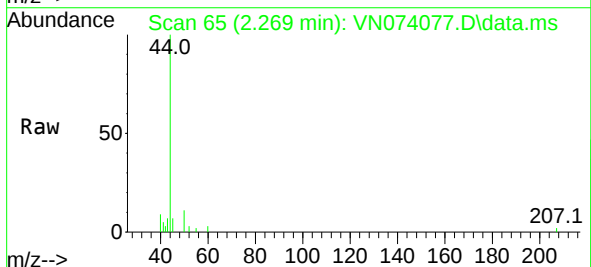
Instrument :
MSVOA_N
ClientSampleId :
C5

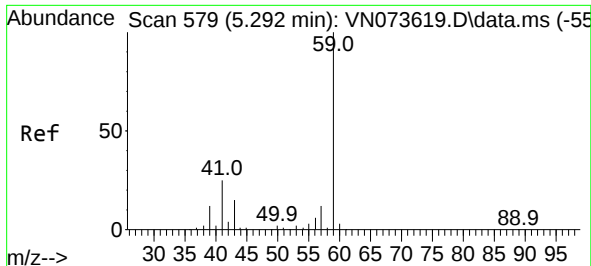
Tgt Ion:168 Resp: 461457
Ion Ratio Lower Upper
168 100
99 49.2 42.3 63.5



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 50 Resp: 898
Ion Ratio Lower Upper
50 100
52 32.1 25.7 38.5

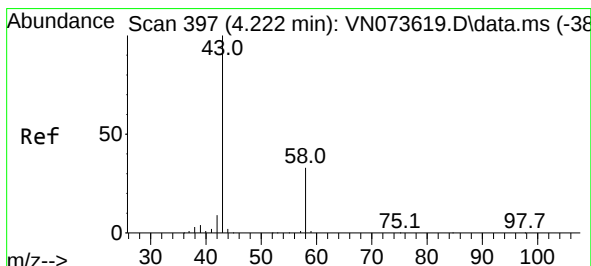
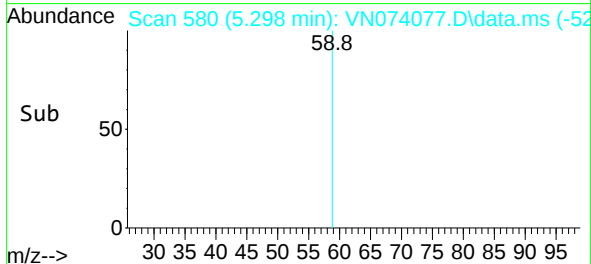
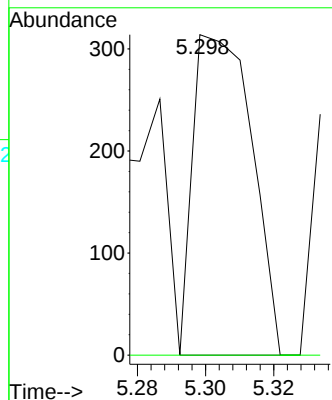
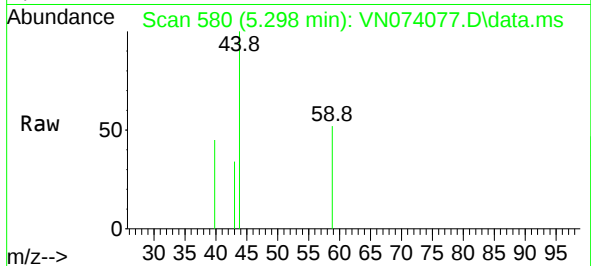




#11
Tert butyl alcohol
Concen: 0.375 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

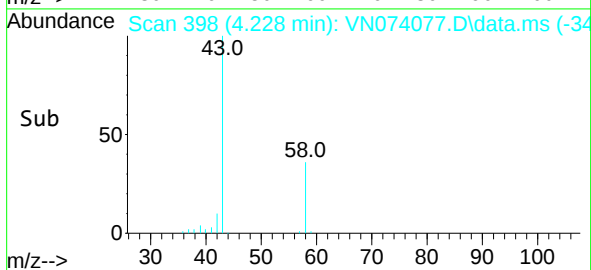
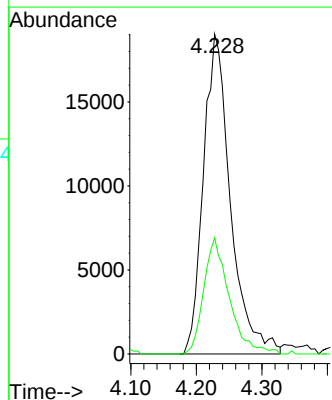
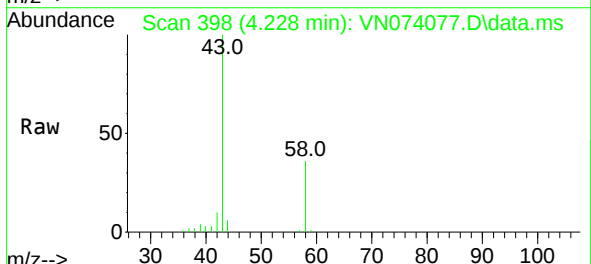
Instrument :
MSVOA_N
ClientSampleId :
C5

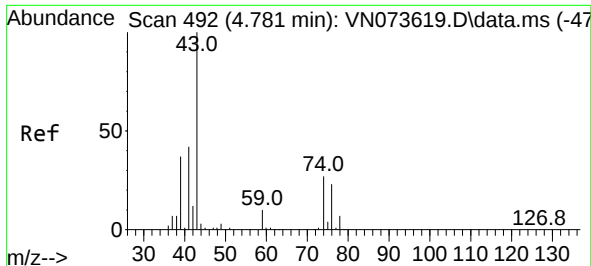
Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 25.747 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 43 Resp: 54596
Ion Ratio Lower Upper
43 100
58 36.3 26.0 39.0

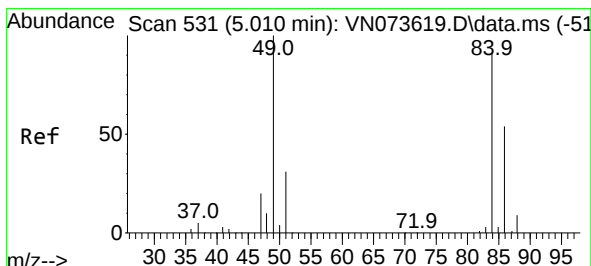
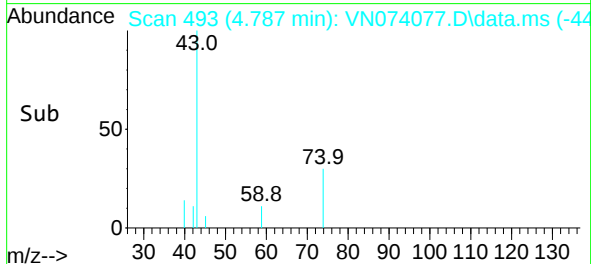
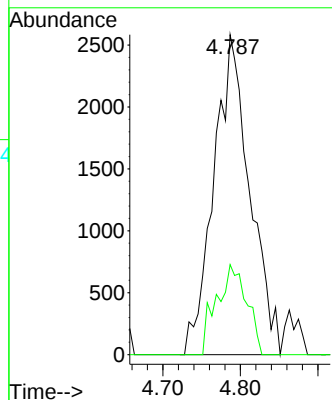
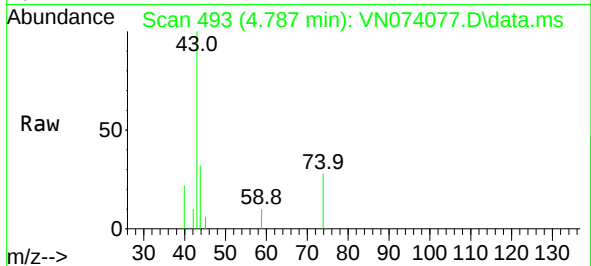




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 49
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

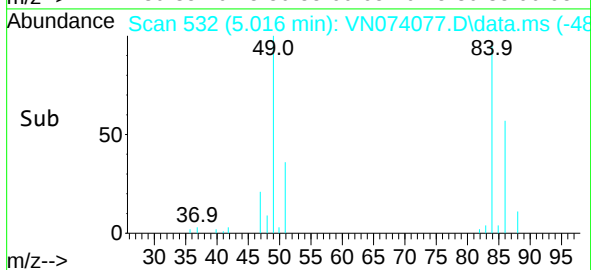
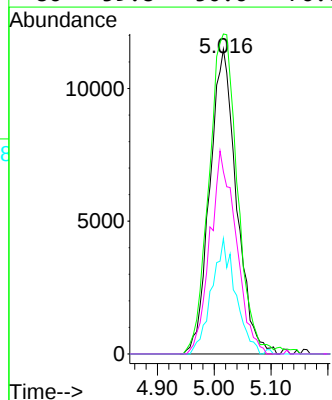
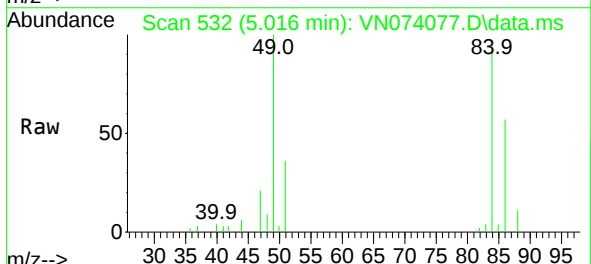
Instrument :
MSVOA_N
ClientSampleId :
C5

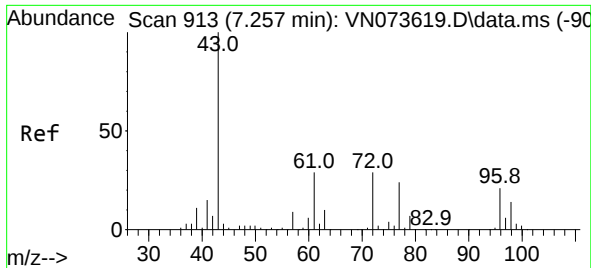
Tgt Ion: 43 Resp: 8349
Ion Ratio Lower Upper
43 100
74 23.5 21.6 32.4



#20
Methylene Chloride
Concen: 8.375 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 84 Resp: 37473
Ion Ratio Lower Upper
84 100
49 105.0 88.3 132.5
51 37.8 28.2 42.2
86 59.8 50.6 76.0

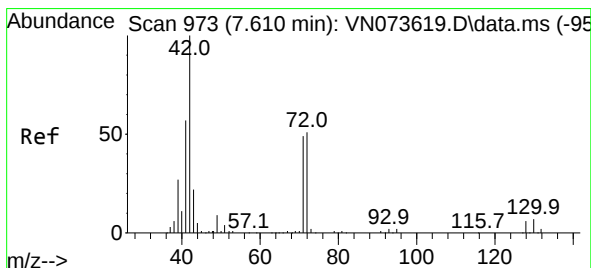
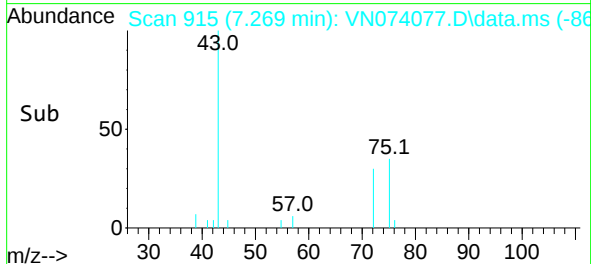
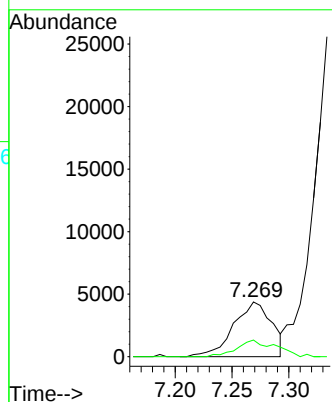
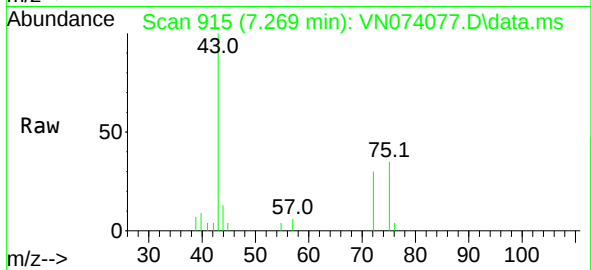




#25
2-Butanone
Concen: 3.044 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

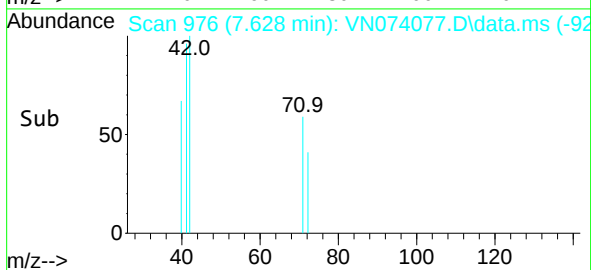
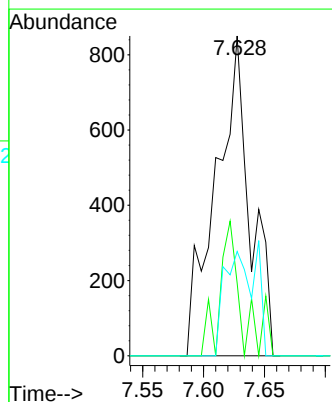
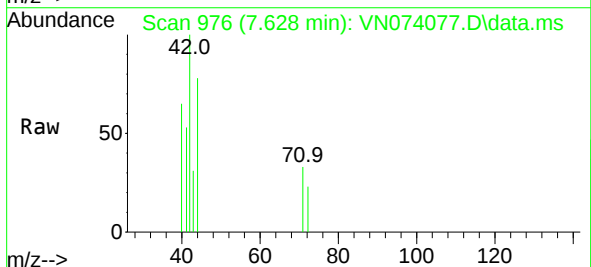
Instrument :
MSVOA_N
ClientSampleId :
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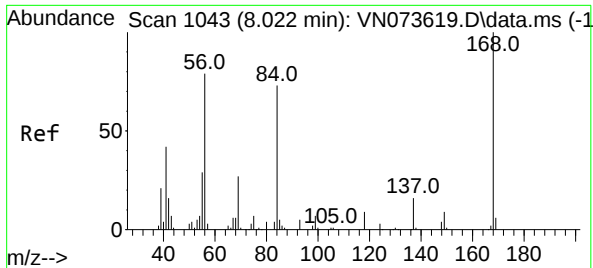
Tgt Ion: 43 Resp: 10236
Ion Ratio Lower Upper
43 100
72 30.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.773 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 42 Resp: 1668
Ion Ratio Lower Upper
42 100
72 20.4 39.7 59.5#
71 0.0 36.6 55.0#

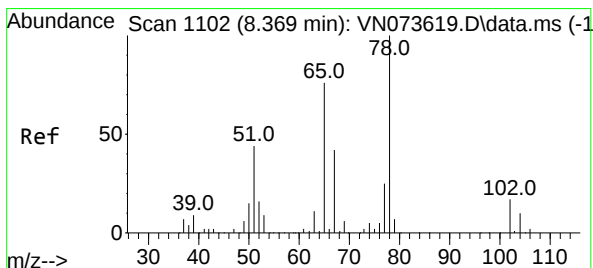
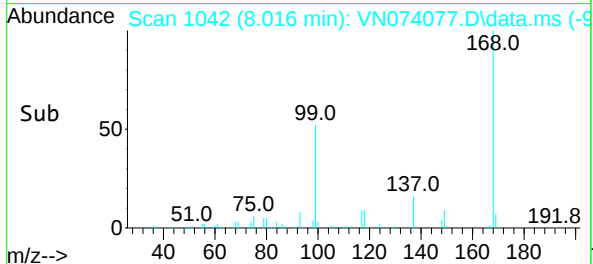
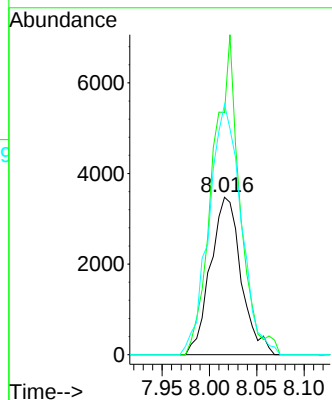
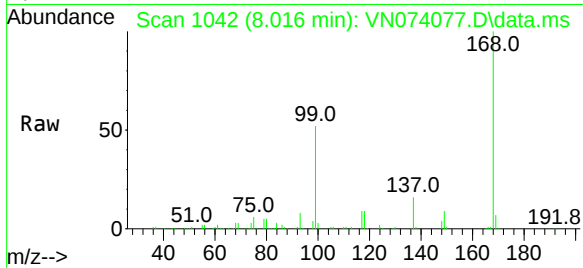




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

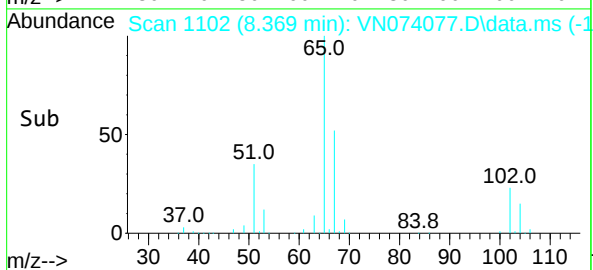
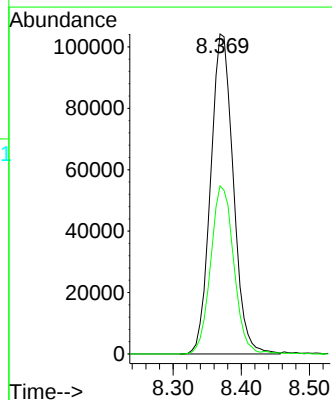
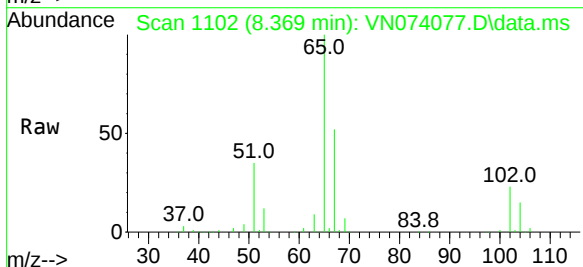
Instrument :
MSVOA_N
ClientSampleId :
C5

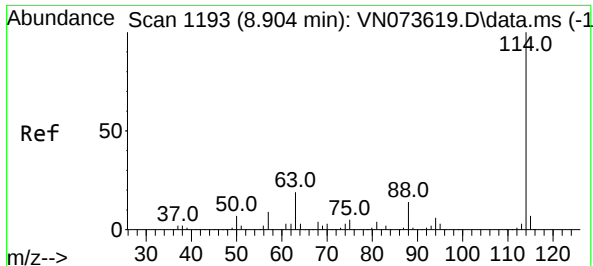
Tgt Ion: 56 Resp: 7831
Ion Ratio Lower Upper
56 100
69 153.9 27.8 41.8#
84 159.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.709 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 65 Resp: 241398
Ion Ratio Lower Upper
65 100
67 53.7 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: VN074077.D

Acq: 23 Aug 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

C5

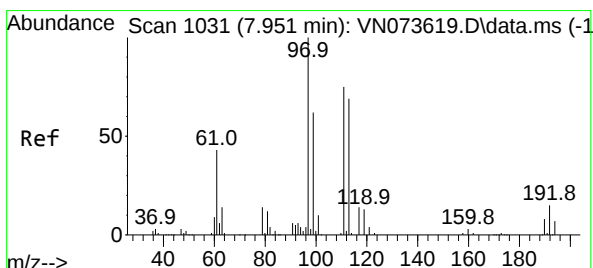
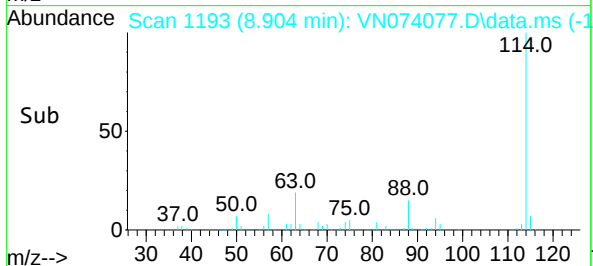
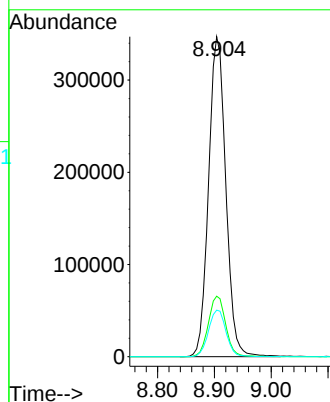
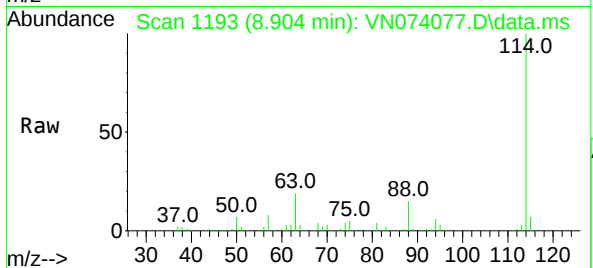
Tgt Ion:114 Resp: 728331

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.679 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074077.D

Acq: 23 Aug 2022 18:54

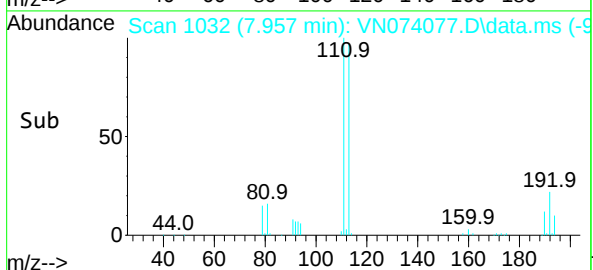
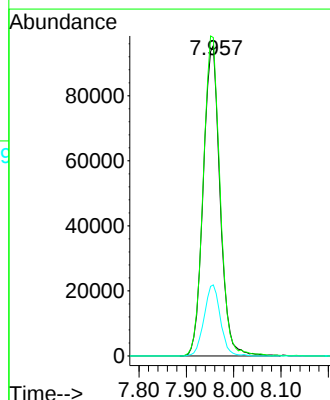
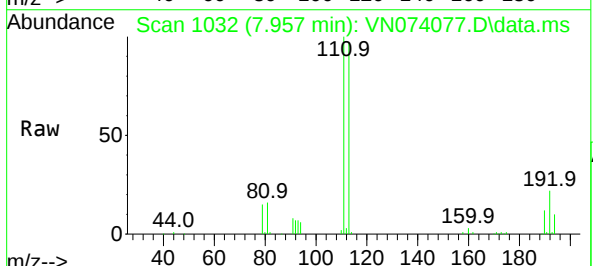
Tgt Ion:113 Resp: 235518

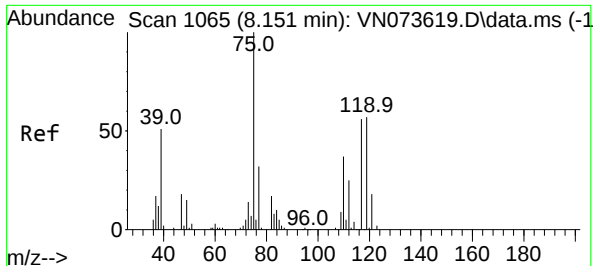
Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN074077.D

Acq: 23 Aug 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

C5

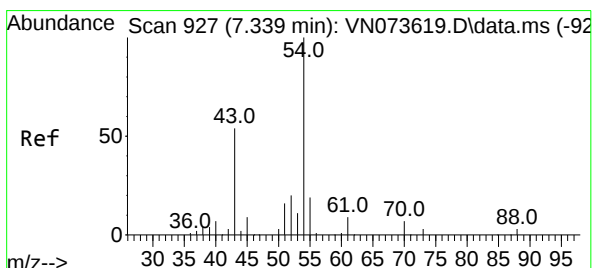
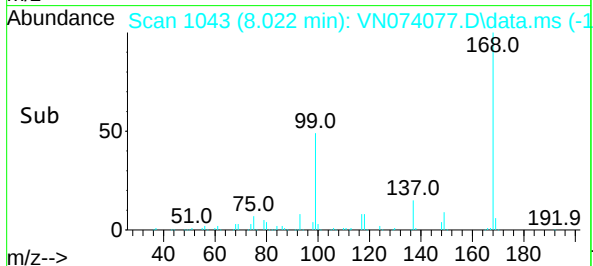
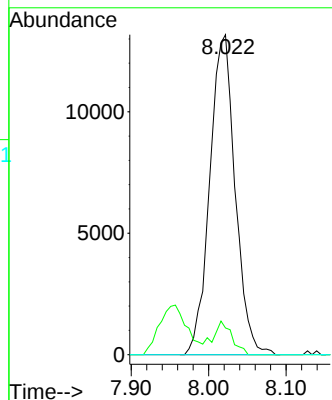
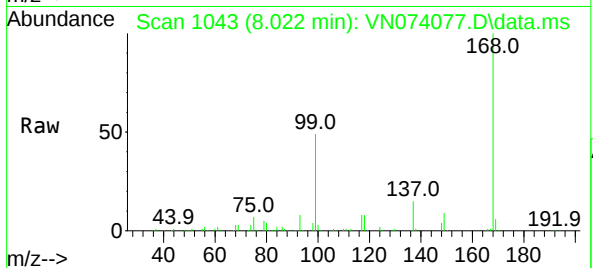
Tgt Ion: 75 Resp: 30026

Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.587 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.000 min

Lab File: VN074077.D

Acq: 23 Aug 2022 18:54

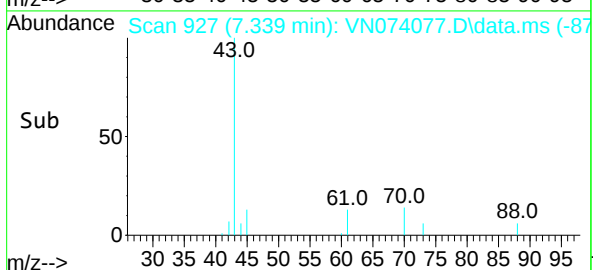
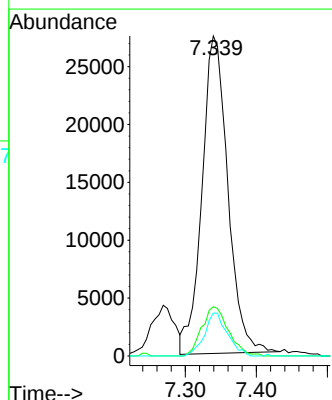
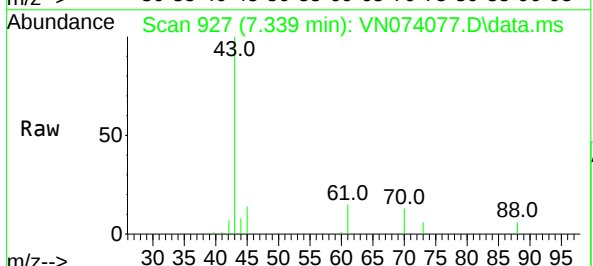
Tgt Ion: 43 Resp: 69486

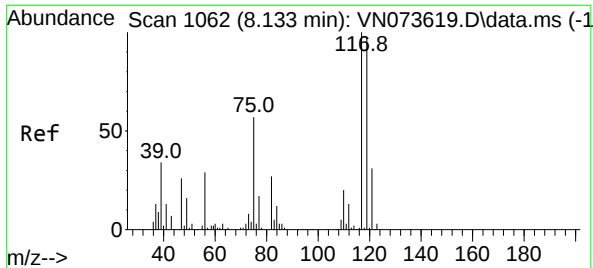
Ion Ratio Lower Upper

43 100

61 16.0 11.8 17.6

70 12.0 9.3 13.9

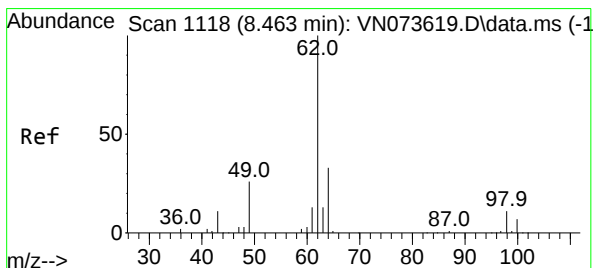
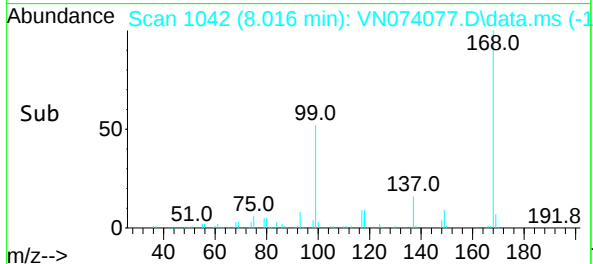
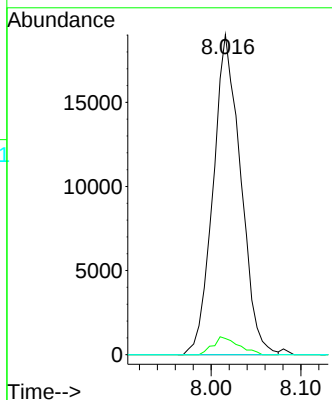
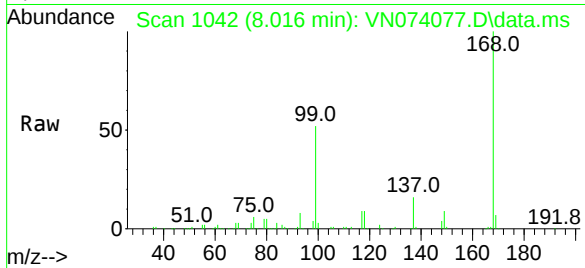




#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 8.016 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

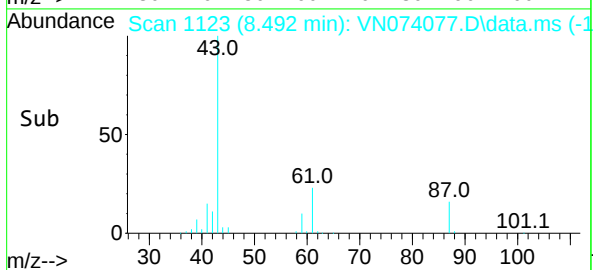
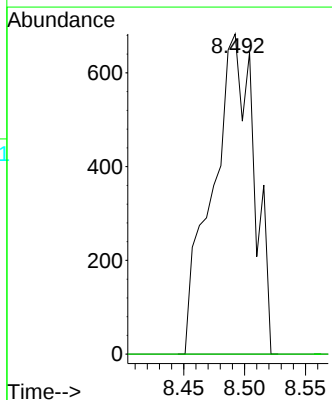
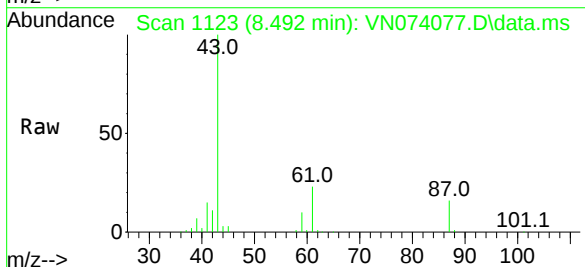
Instrument :
MSVOA_N
ClientSampleId :
C5

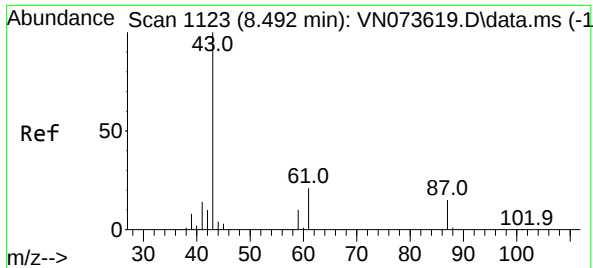
Tgt Ion:117 Resp: 40609
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 62 Resp: 1623
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

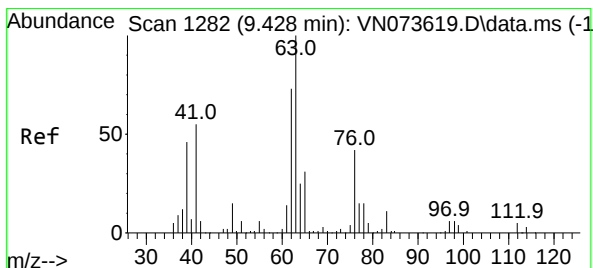
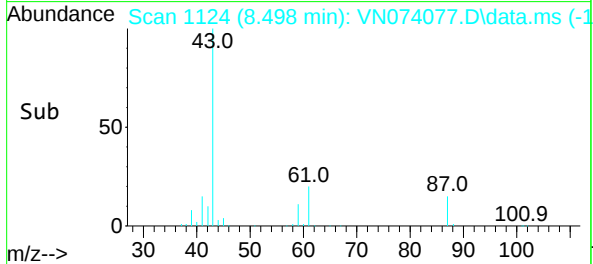
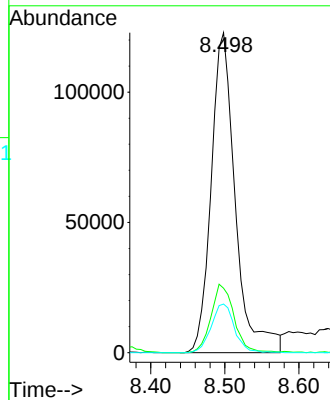
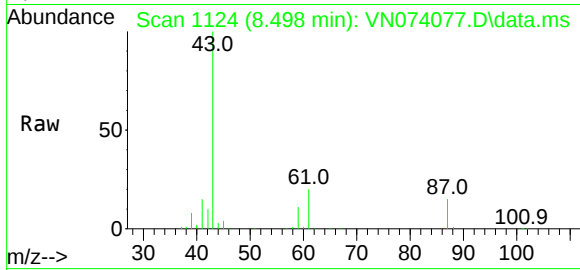




#43
Isopropyl Acetate
Concen: 26.951 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

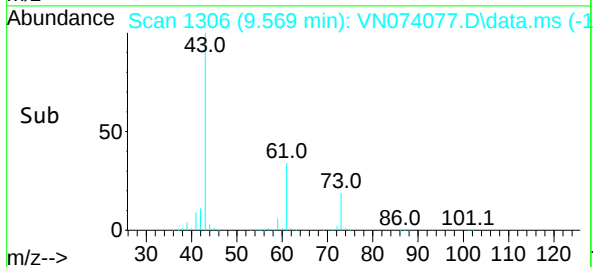
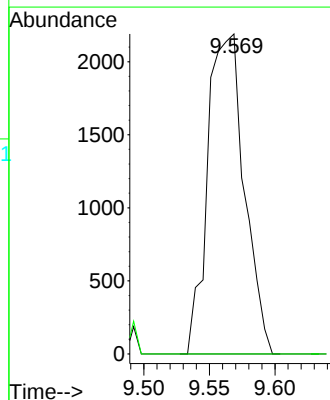
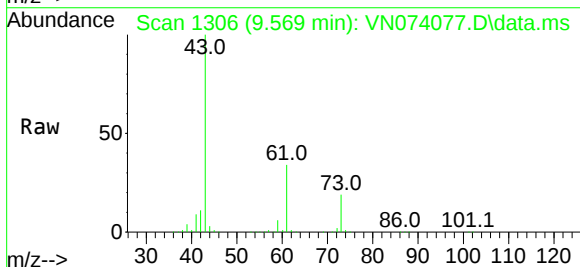
Instrument :
MSVOA_N
ClientSampleId :
C5

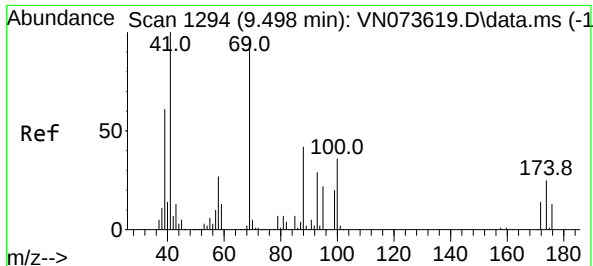
Tgt Ion: 43 Resp: 278279
Ion Ratio Lower Upper
43 100
61 20.4 21.9 32.9#
87 14.7 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.939 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.141 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 63 Resp: 4252
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

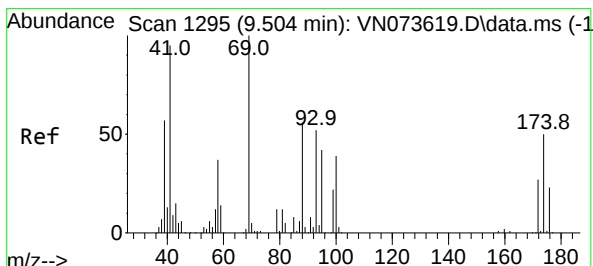
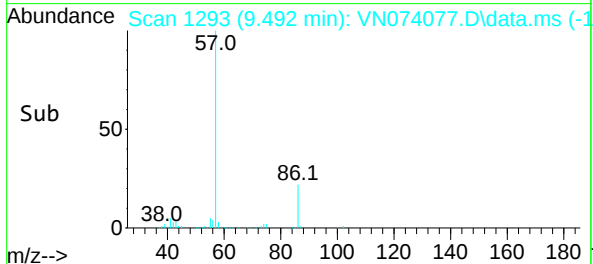
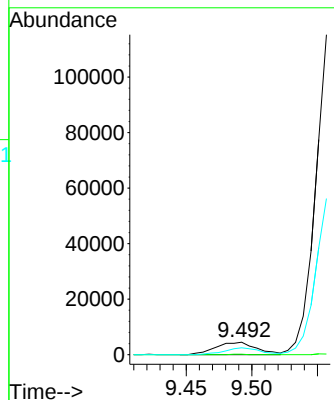
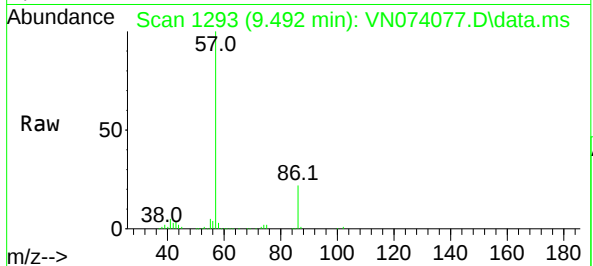




#48
Methyl methacrylate
Concen: 2.193 ug/l
RT: 9.492 min Scan# 1305
Delta R.T. -0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

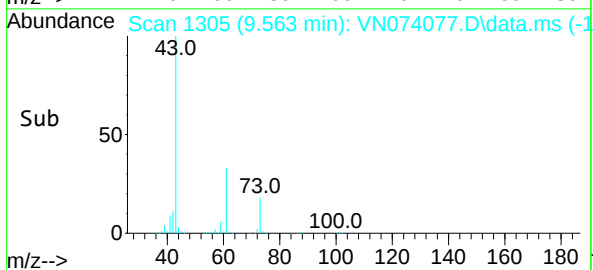
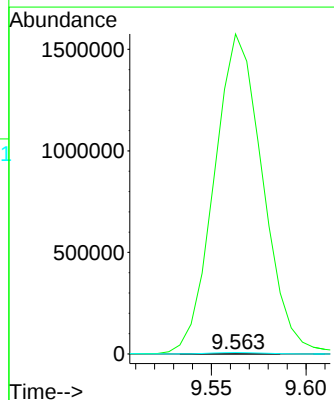
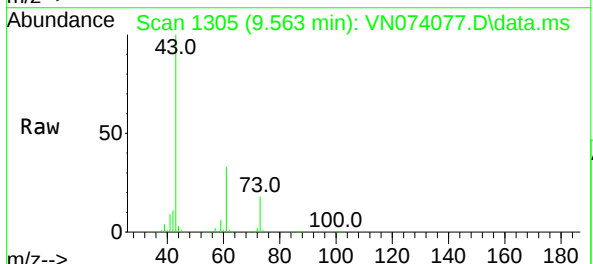
Instrument :
MSVOA_N
ClientSampleId :
C5

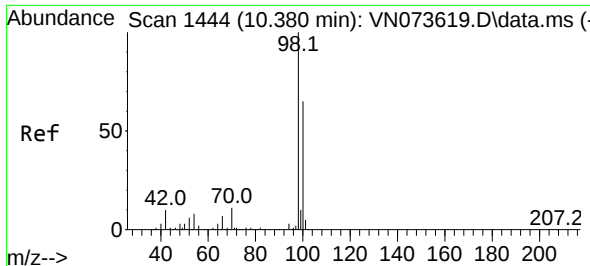
Tgt Ion: 41 Resp: 9690
Ion Ratio Lower Upper
41 100
69 1.4 74.7 112.1#
39 48.3 45.6 68.4



#49
1,4-Dioxane
Concen: 4.514 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.059 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 88 Resp: 593
Ion Ratio Lower Upper
88 100
43 478001.7 20.2 30.4#
58 2323.8 54.2 81.4#

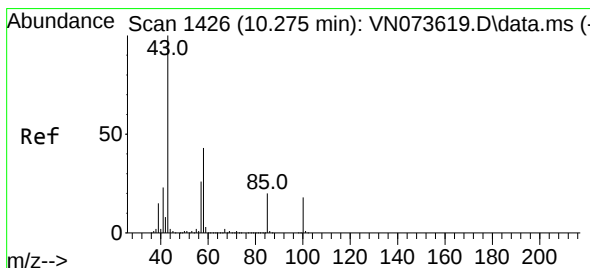
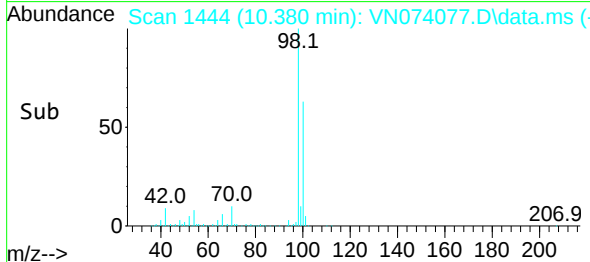
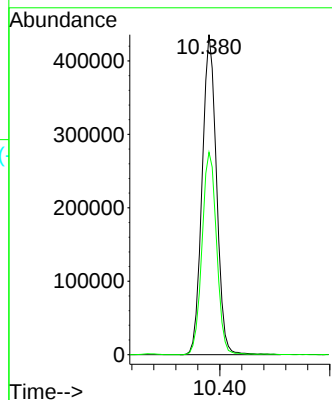
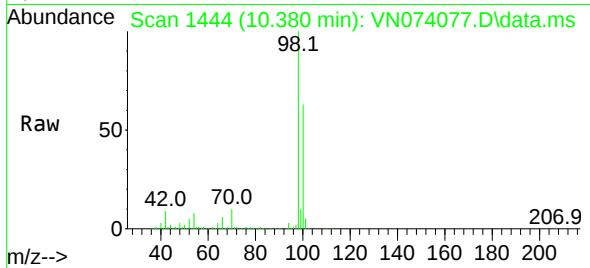




#50
Toluene-d8
Concen: 47.400 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

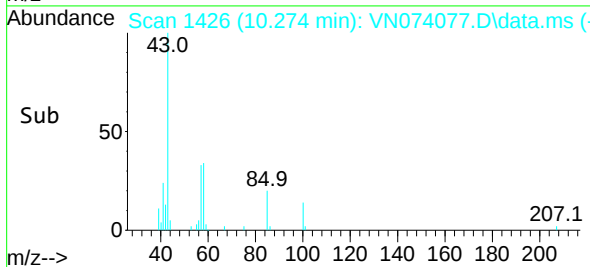
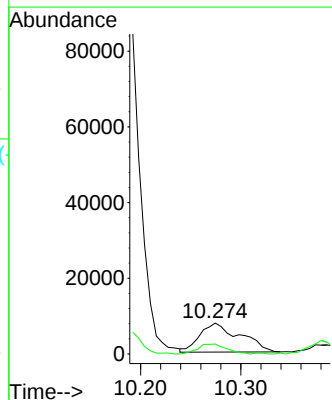
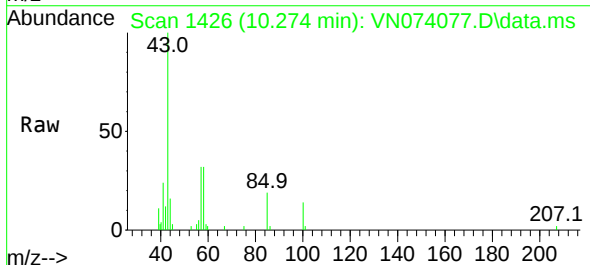
Instrument :
MSVOA_N
ClientSampleId :
C5

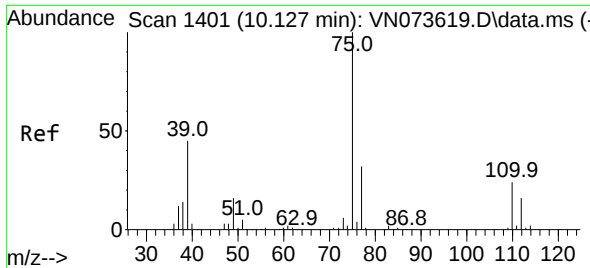
Tgt Ion: 98 Resp: 790709
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.076 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 43 Resp: 21471
Ion Ratio Lower Upper
43 100
58 24.3 34.1 51.1#

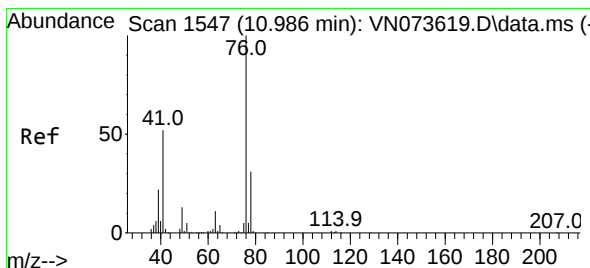
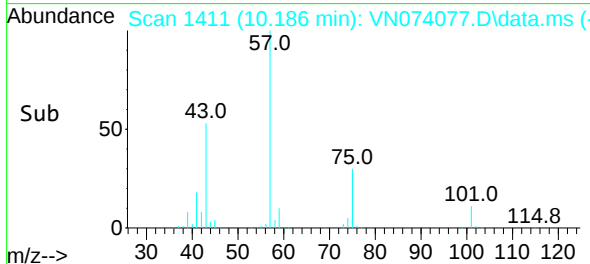
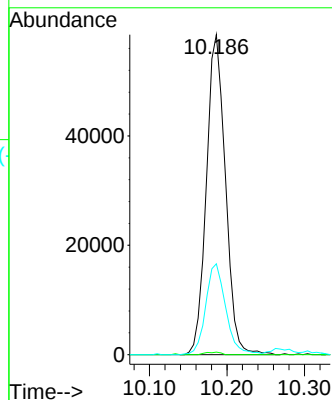
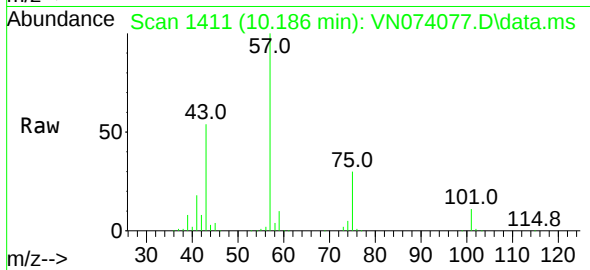




#54
 cis-1,3-Dichloropropene
 Concen: 13.212 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074077.D
 Acq: 23 Aug 2022 18:54

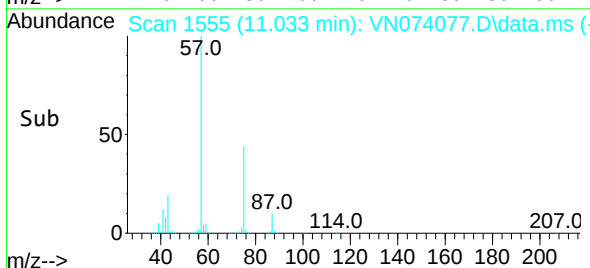
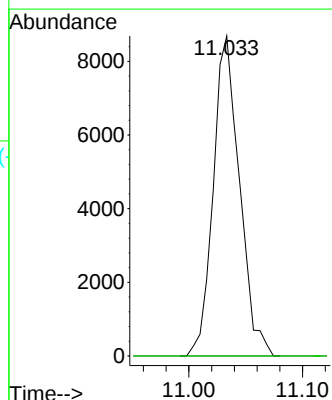
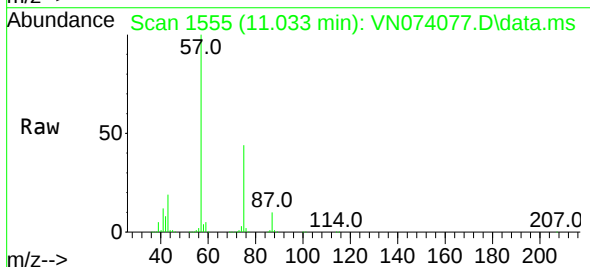
Instrument :
 MSVOA_N
 ClientSampleId :
 C5

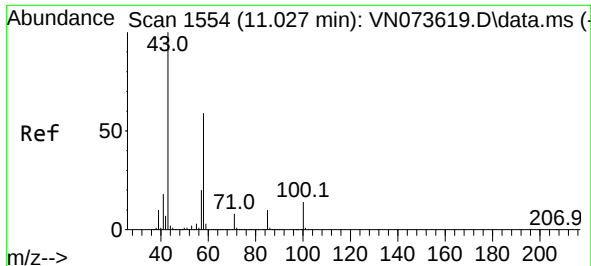
Tgt Ion: 75 Resp: 99759
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.2 37.8#
 39 28.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.703 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074077.D
 Acq: 23 Aug 2022 18:54

Tgt Ion: 76 Resp: 13945
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

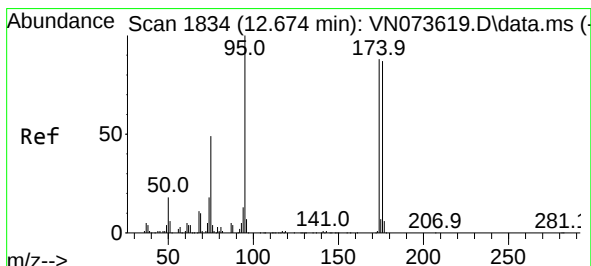
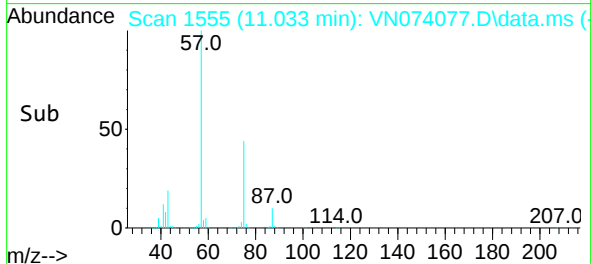
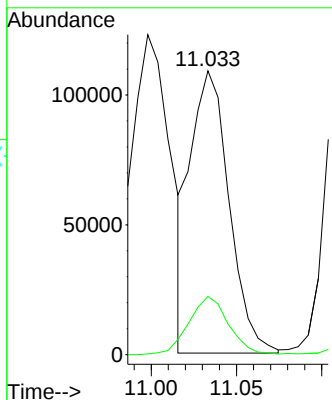
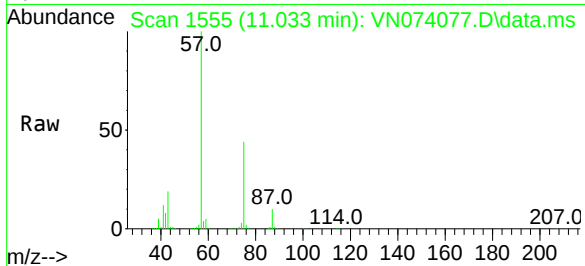




#59
2-Hexanone
Concen: 32.031 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

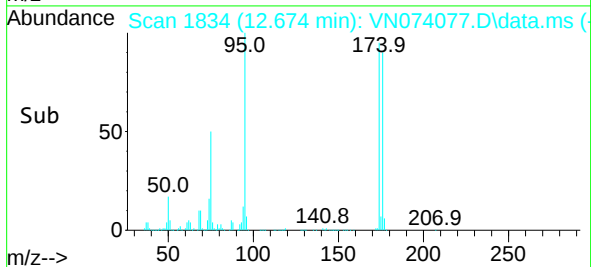
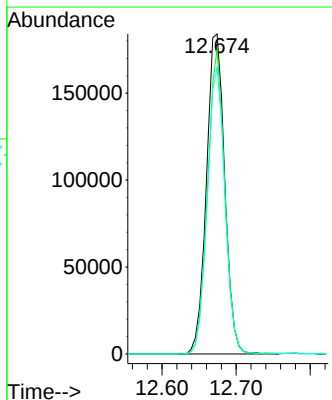
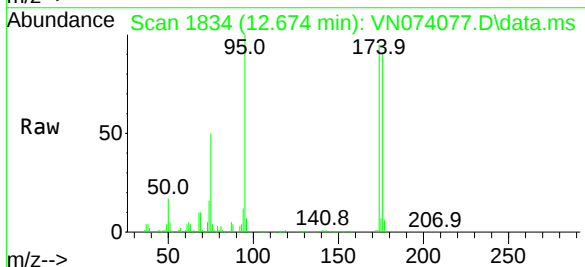
Instrument :
MSVOA_N
ClientSampleId :
C5

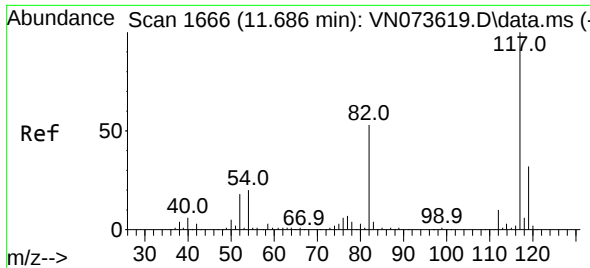
Tgt Ion: 43 Resp: 172087
Ion Ratio Lower Upper
43 100
58 21.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.910 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 95 Resp: 315075
Ion Ratio Lower Upper
95 100
174 90.6 0.0 167.6
176 85.9 0.0 163.4

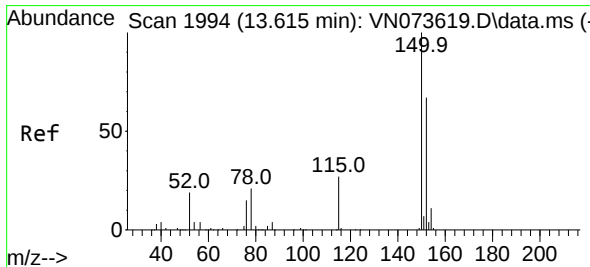
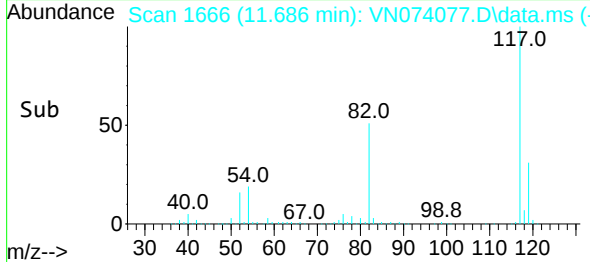
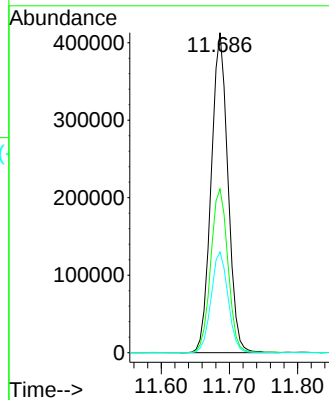
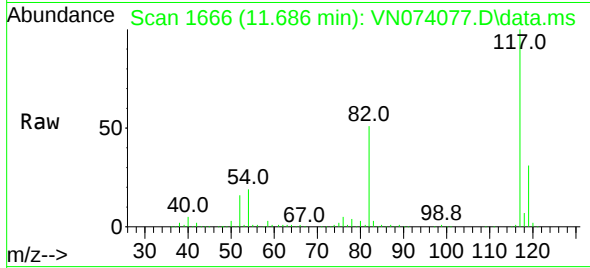




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

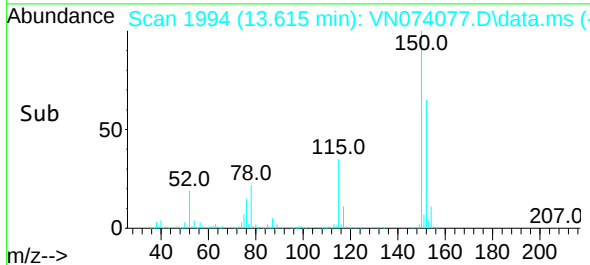
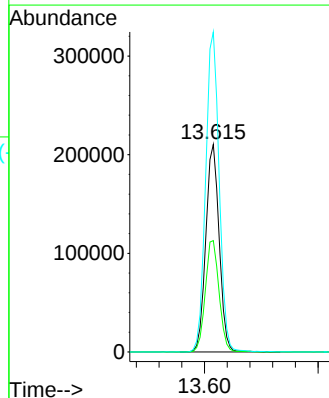
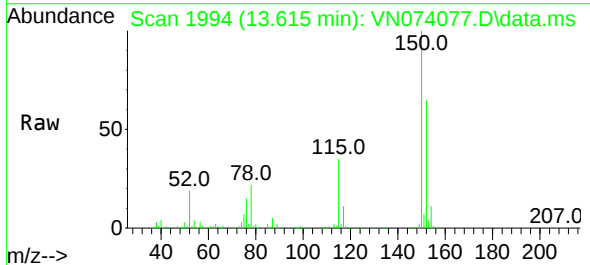
Instrument :
MSVOA_N
ClientSampleId :
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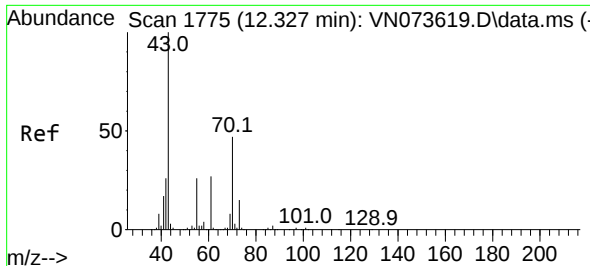
Tgt Ion:117 Resp: 706033
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.2
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion:152 Resp: 342784
Ion Ratio Lower Upper
152 100
115 55.2 28.9 86.7
150 155.3 0.0 356.2

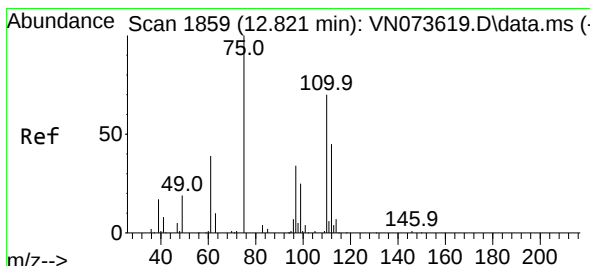
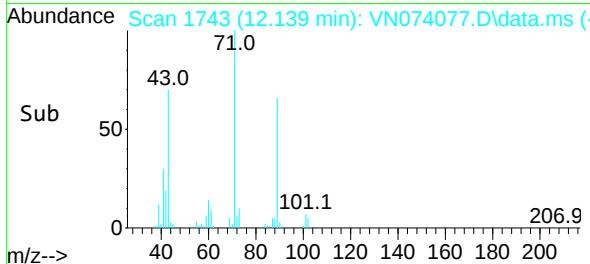
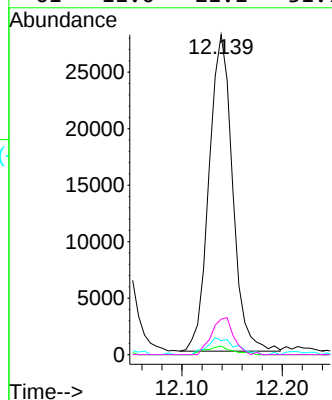
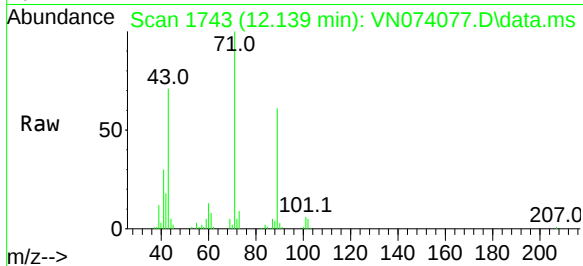




#74
N-amy1 acetate
Concen: 4.843 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

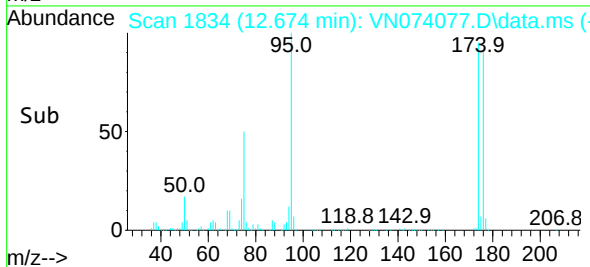
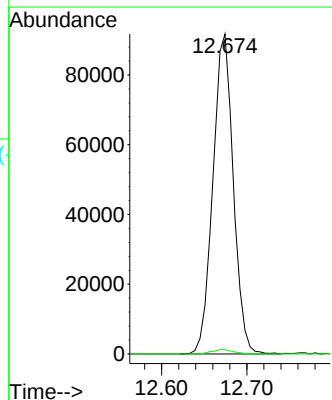
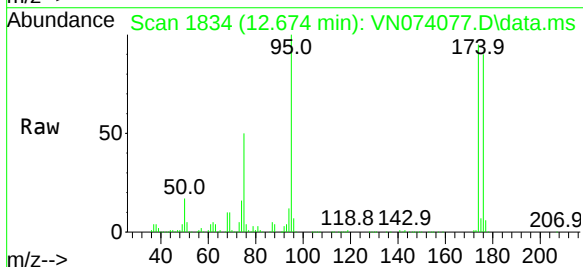
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ClientSampleId :
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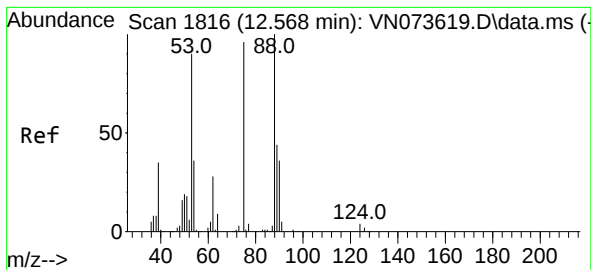
Tgt Ion: 43	Resp: 45699
Ion Ratio	Lower Upper
43 100	
70 3.0	39.0 58.4#
55 6.3	21.1 31.7#
61 11.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 21.404 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074077.D
Acq: 23 Aug 2022 18:54

Tgt Ion: 75	Resp: 152497
Ion Ratio	Lower Upper
75 100	
77 1.4	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.877 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074077.D
 Acq: 23 Aug 2022 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 C5

Tgt Ion: 75 Resp: 152497
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

