

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070280.D
 Acq On : 21 Dec 2021 20:32
 Operator : JC/MD
 Sample : M5129-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 21:02:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

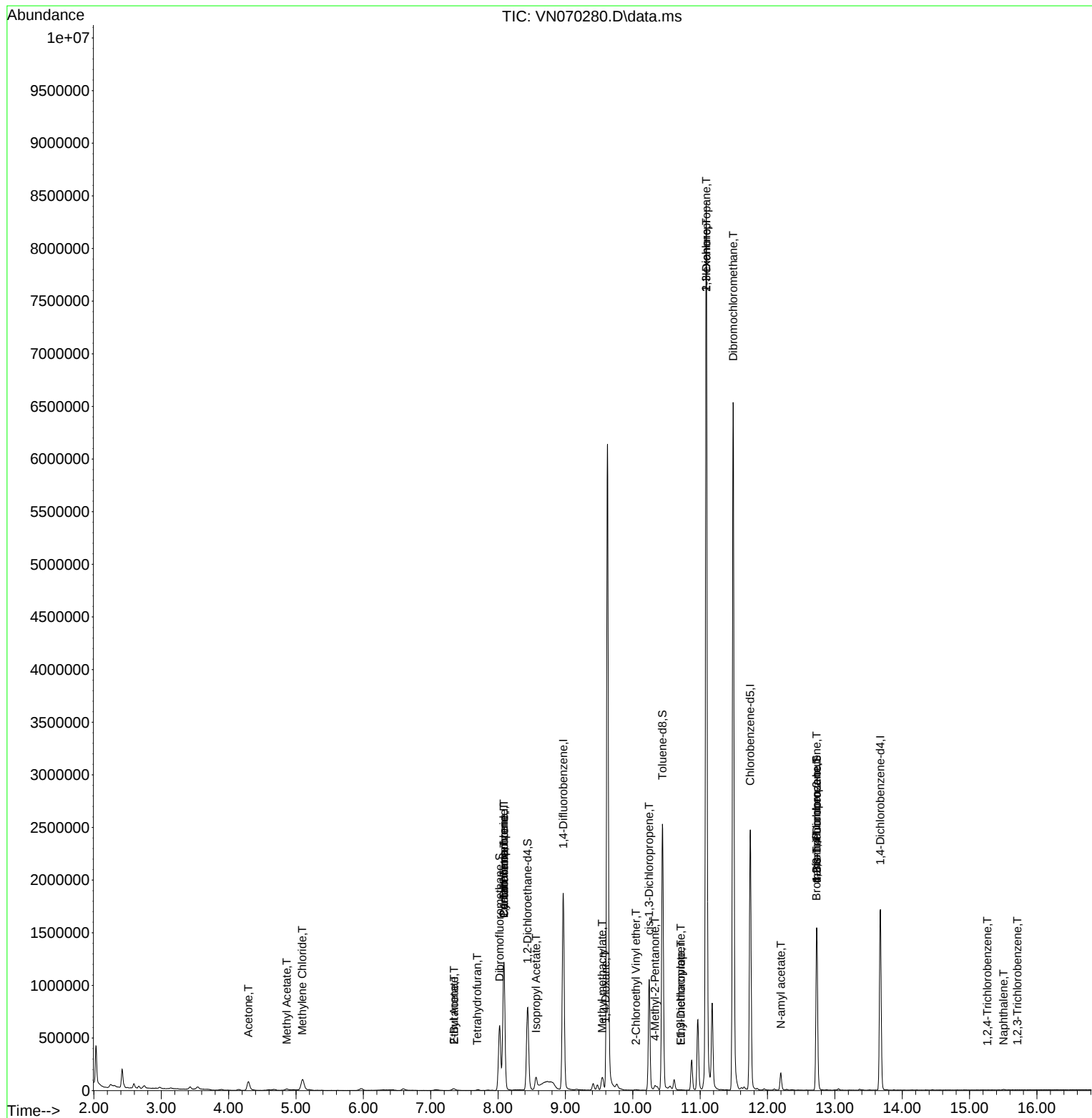
Internal Standards						
1) Pentafluorobenzene	8.086	168	923501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1577157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1393300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	466619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	686965	48.178	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.360%		
35) Dibromofluoromethane	8.021	113	452795	45.834	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.660%		
50) Toluene-d8	10.440	98	1738399	43.824	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.640%		
62) 4-Bromofluorobenzene	12.731	95	552752	38.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	76.920%		
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	158155	18.439	ug/l	95
18) Methyl Acetate	4.864	43	27978	1.081	ug/l #	87
20) Methylene Chloride	5.092	84	75138	6.590	ug/l	88
25) 2-Butanone	7.345	43	29114	2.498	ug/l #	82
29) Tetrahydrofuran	7.689	42	1575	0.223	ug/l #	66
31) Cyclohexane	8.088	56	22987	1.158	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	76612	5.103	ug/l #	49
37) Ethyl Acetate	7.345	43	29114	1.303	ug/l #	68
38) Carbon Tetrachloride	8.086	117	93967	6.382	ug/l #	16
43) Isopropyl Acetate	8.563	43	155344	4.698	ug/l #	82
48) Methyl methacrylate	9.545	41	39959	2.589	ug/l #	30
49) 1,4-Dioxane	9.593	88	89	0.321	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	23923	1.115	ug/l	94
53) t-1,3-Dichloropropene	10.711	75	249	2.807	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	176392	10.764	ug/l #	66
56) Ethyl methacrylate	10.711	69	495	2.301	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	84035	4.222	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.046	63	2395	18.774	ug/l #	80
59) 2-Hexanone	11.089	43	1514493	93.323	ug/l #	47
60) Dibromochloromethane	11.492	129	835	2.442	ug/l #	11
71) Bromoform	12.725	173	1670	2.916	ug/l #	29
74) N-amyl acetate	12.197	43	60516	3.296	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	303844	22.706	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	303844	72.340	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	175	2.899	ug/l #	75
95) Naphthalene	15.504	128	5432	4.204	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.710	180	52	2.442	ug/l #	53

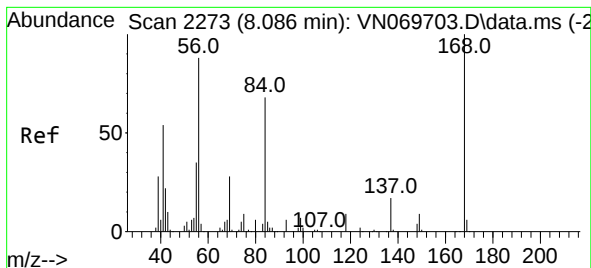
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070280.D

Acq: 21 Dec 2021 20:32

Instrument :

MSVOA_N

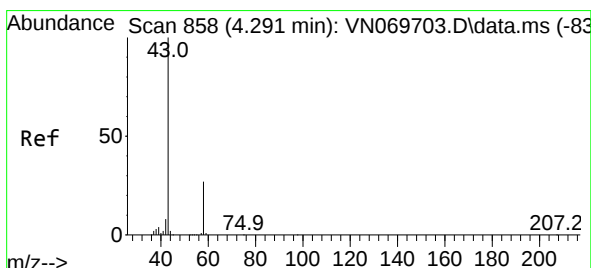
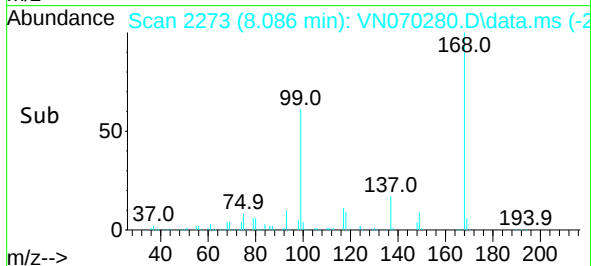
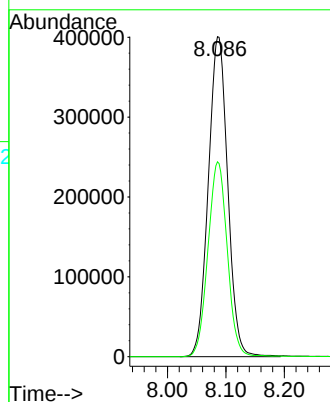
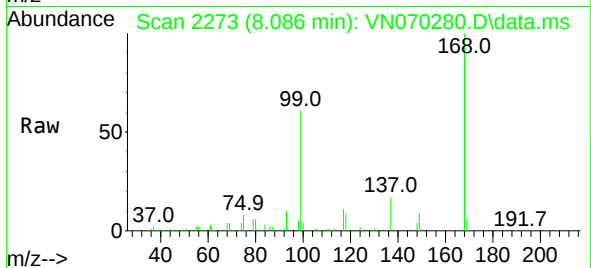
ClientSampleId :

Tgt Ion:168 Resp: 923501

Ion Ratio Lower Upper

168 100

99 60.9 41.3 61.9



#16

Acetone

Concen: 18.439 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.003 min

Lab File: VN070280.D

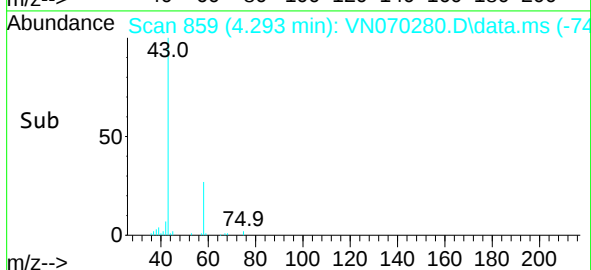
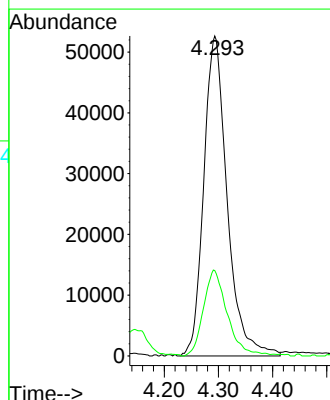
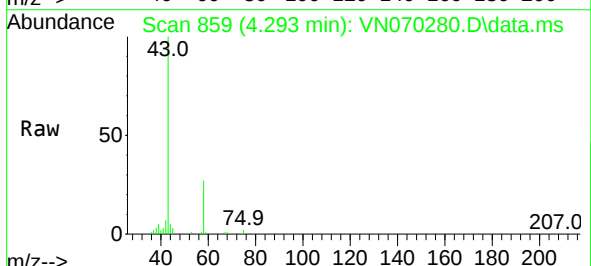
Acq: 21 Dec 2021 20:32

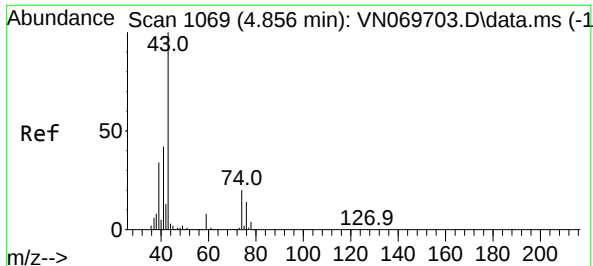
Tgt Ion: 43 Resp: 158155

Ion Ratio Lower Upper

43 100

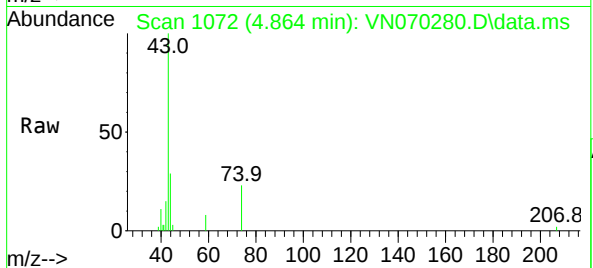
58 26.4 23.1 34.7



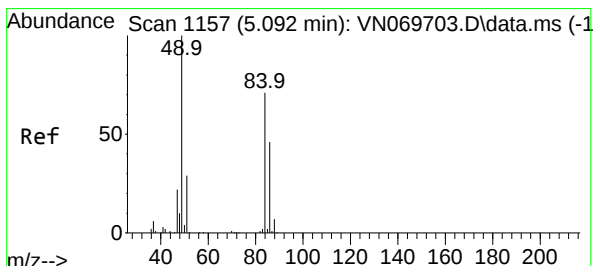
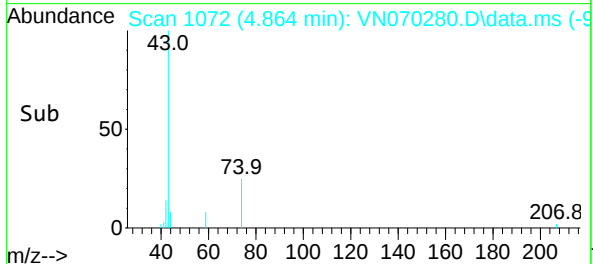
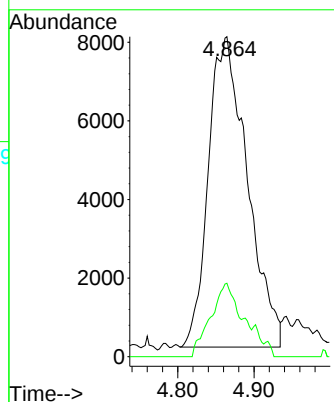


#18
Methyl Acetate
Concen: 1.081 ug/l
RT: 4.864 min Scan# 1069
Delta R.T. 0.008 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

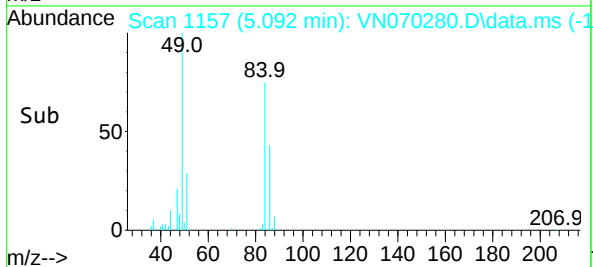
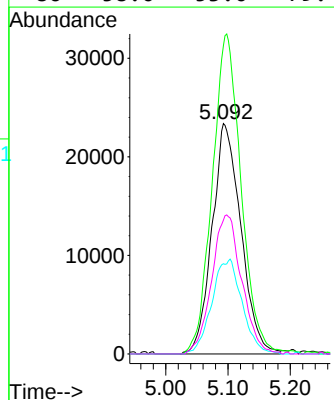
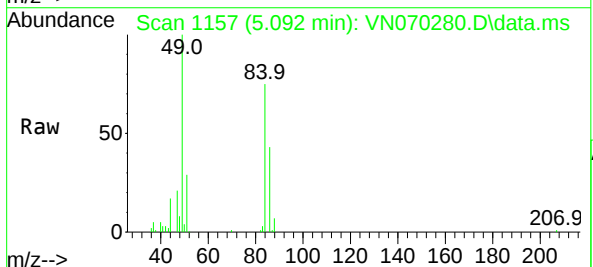


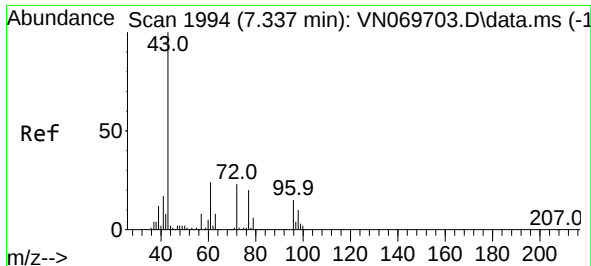
Tgt Ion: 43 Resp: 27978
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.2#



#20
Methylene Chloride
Concen: 6.590 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 84 Resp: 75138
Ion Ratio Lower Upper
84 100
49 133.7 93.5 140.3
51 39.1 29.4 44.2
86 58.0 53.0 79.4





#25

2-Butanone

Concen: 2.498 ug/l

RT: 7.345 min Scan# 1994

Delta R.T. 0.008 min

Lab File: VN070280.D

Acq: 21 Dec 2021 20:32

Instrument :

MSVOA_N

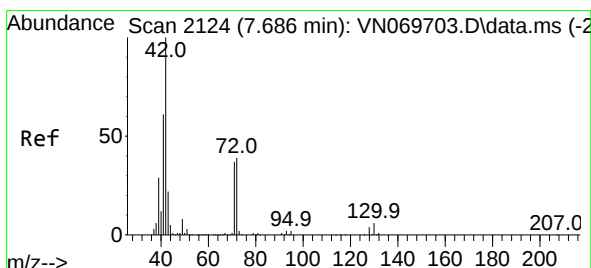
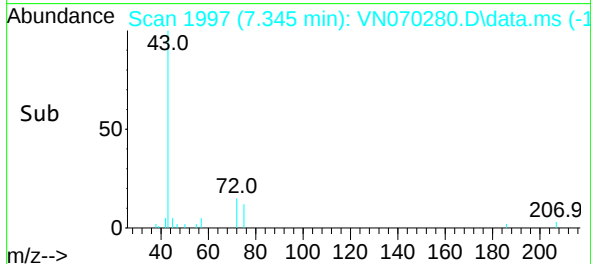
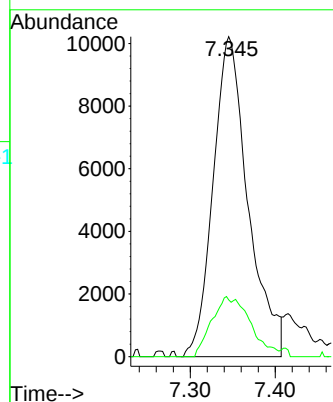
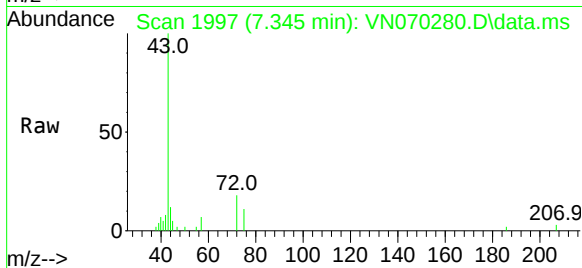
ClientSampleId :

Tgt Ion: 43 Resp: 29114

Ion Ratio Lower Upper

43 100

72 17.8 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.689 min Scan# 2125

Delta R.T. 0.003 min

Lab File: VN070280.D

Acq: 21 Dec 2021 20:32

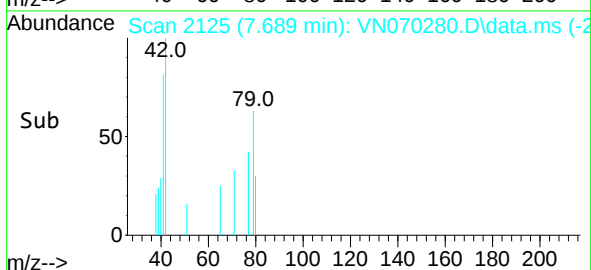
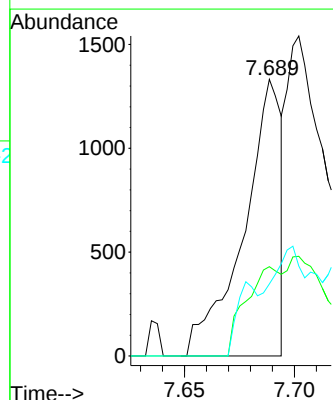
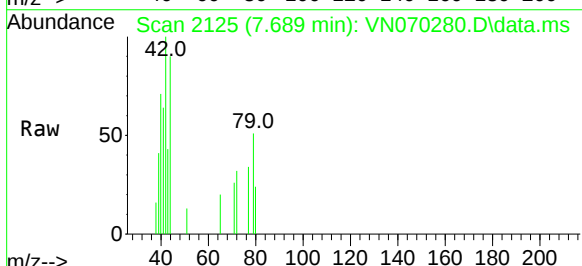
Tgt Ion: 42 Resp: 1575

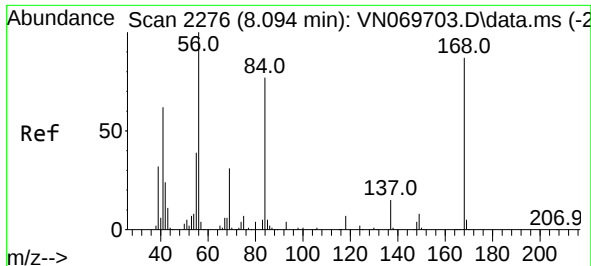
Ion Ratio Lower Upper

42 100

72 30.5 36.3 54.5#

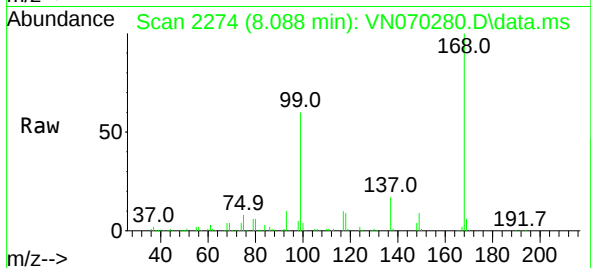
71 14.6 34.7 52.1#



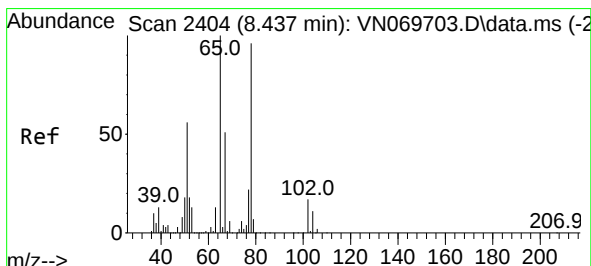
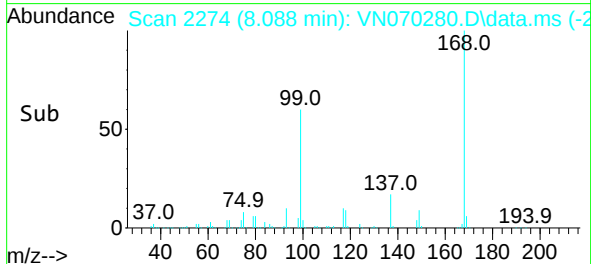
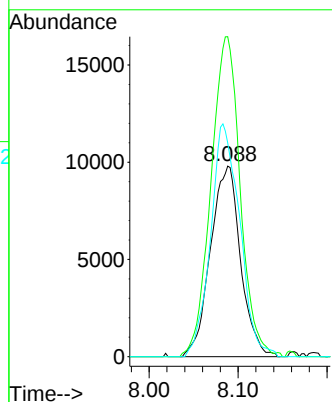


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

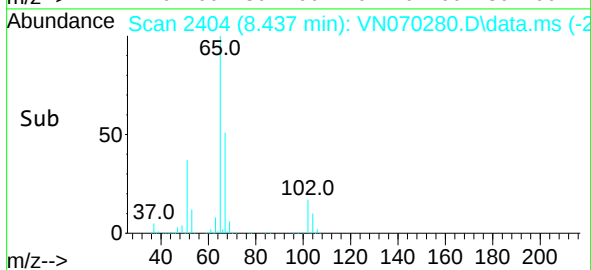
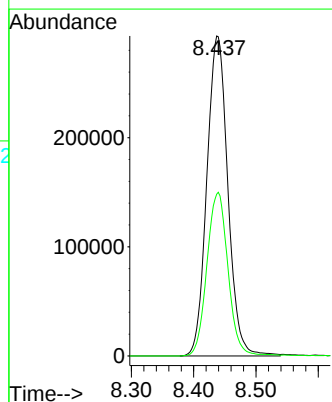
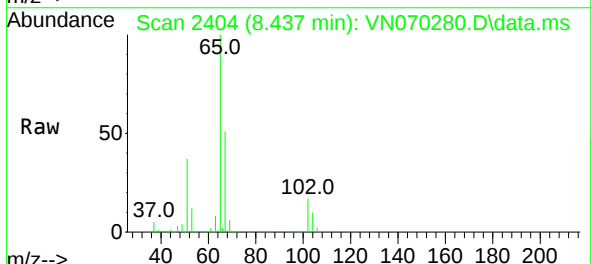


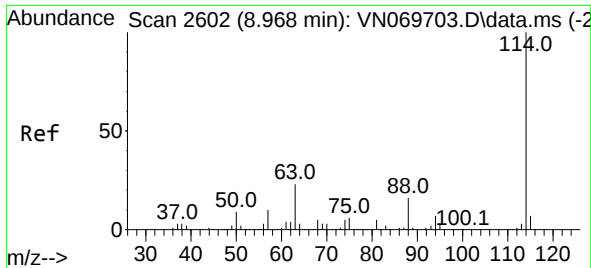
Tgt Ion: 56 Resp: 22987
Ion Ratio Lower Upper
56 100
69 167.9 27.1 40.7#
84 112.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 48.178 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 65 Resp: 686965
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

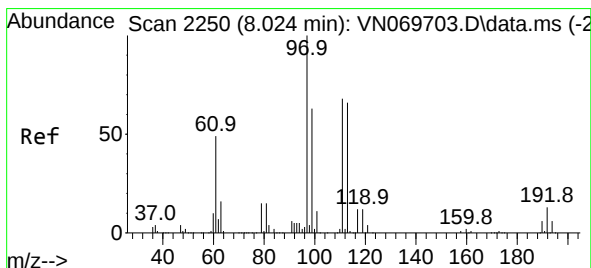
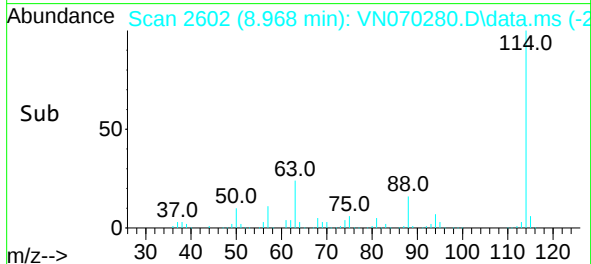
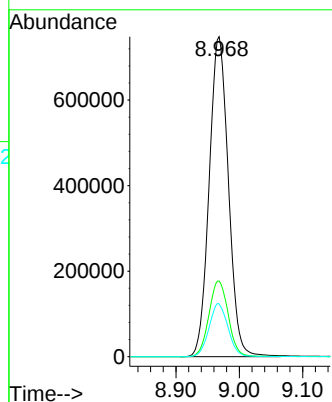
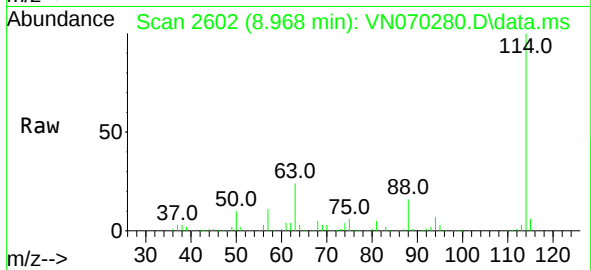




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

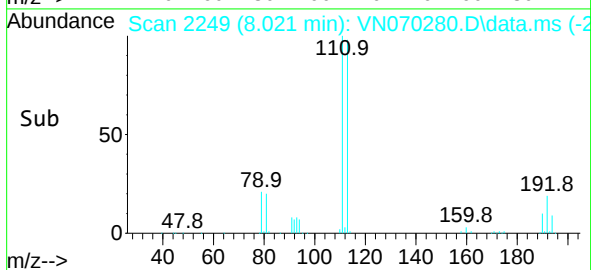
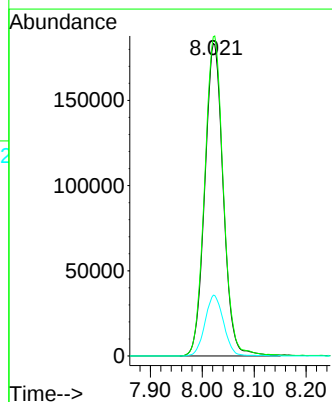
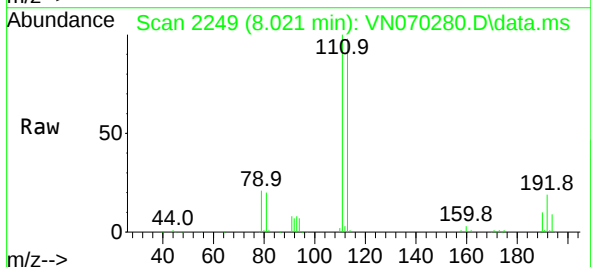
Instrument :
MSVOA_N
ClientSampleId :

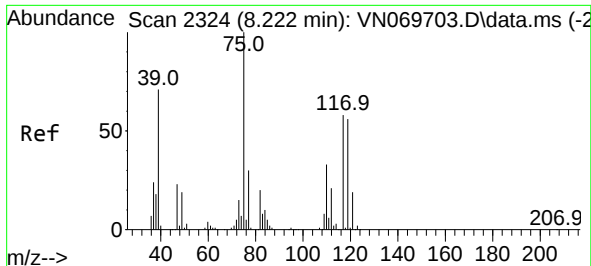
Tgt Ion:114 Resp: 1577157
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.834 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

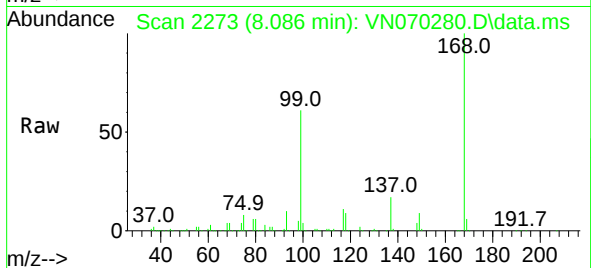
Tgt Ion:113 Resp: 452795
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.6 16.9 25.3



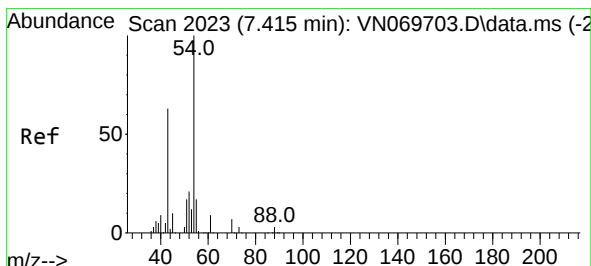
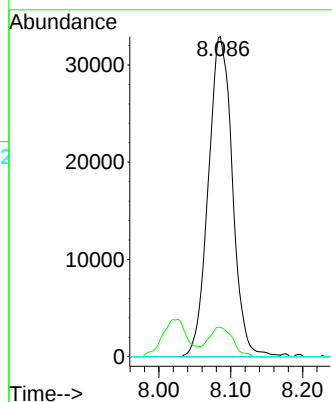
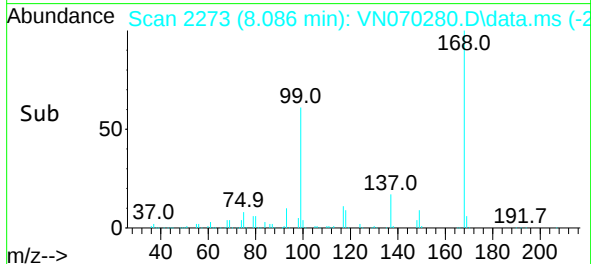


#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070280.D
 Acq: 21 Dec 2021 20:32

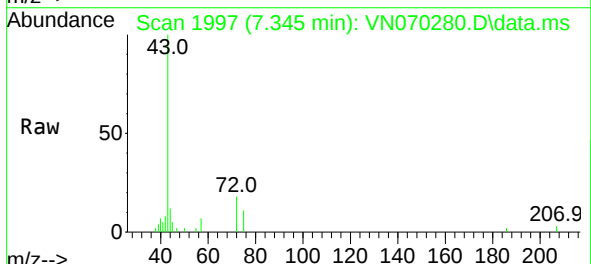
Instrument :
 MSVOA_N
 ClientSampleId :



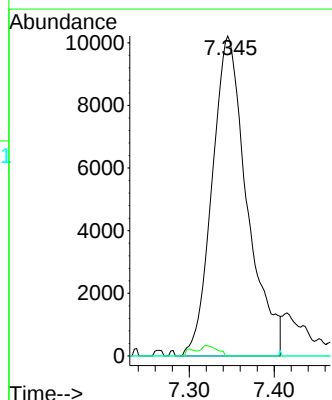
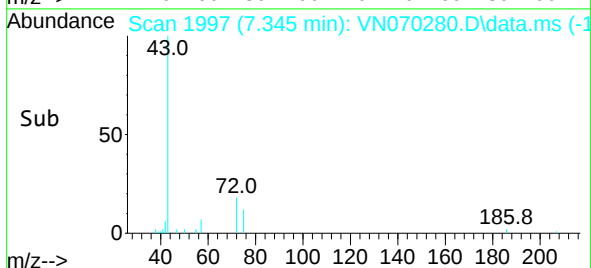
Tgt Ion: 75 Resp: 76612
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 24.4 36.6#

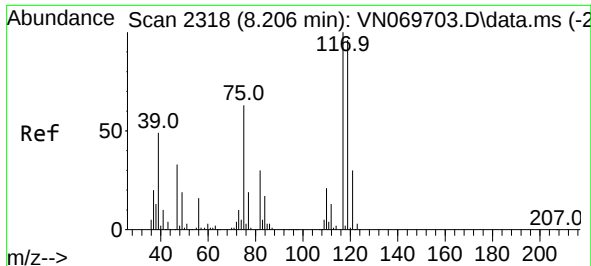


#37
 Ethyl Acetate
 Concen: 1.303 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.070 min
 Lab File: VN070280.D
 Acq: 21 Dec 2021 20:32



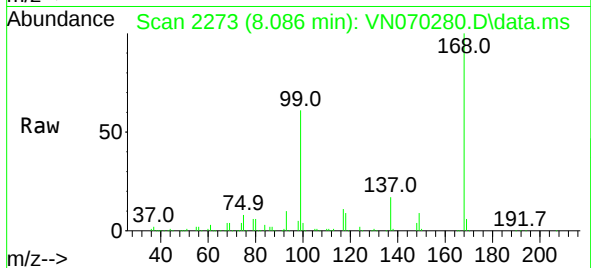
Tgt Ion: 43 Resp: 29114
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



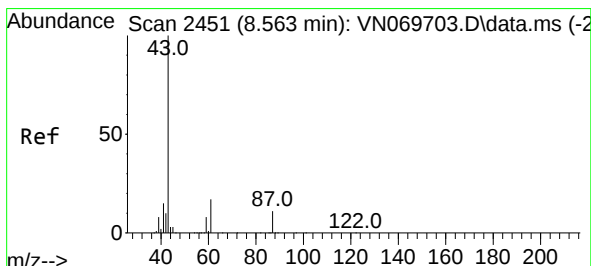
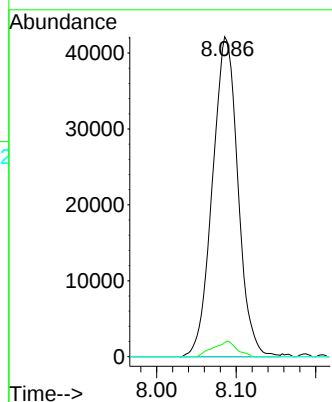
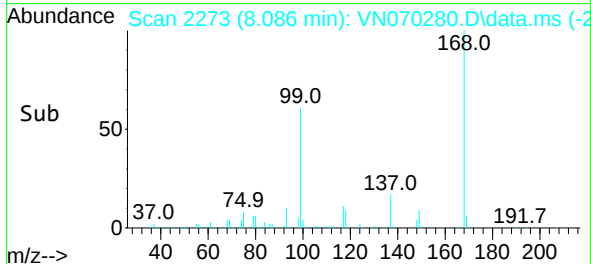


#38
Carbon Tetrachloride
Concen: 6.382 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

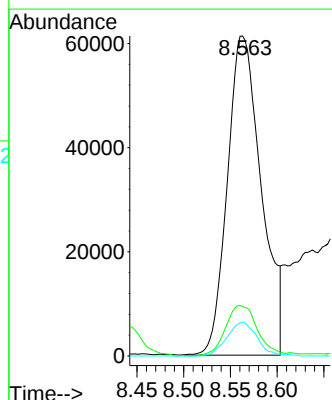
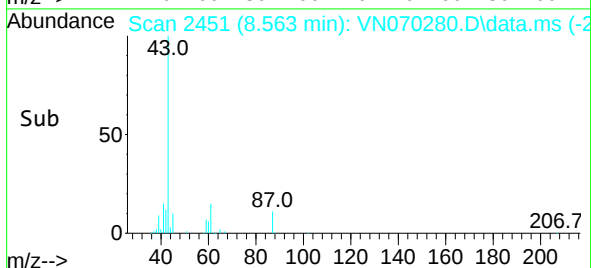
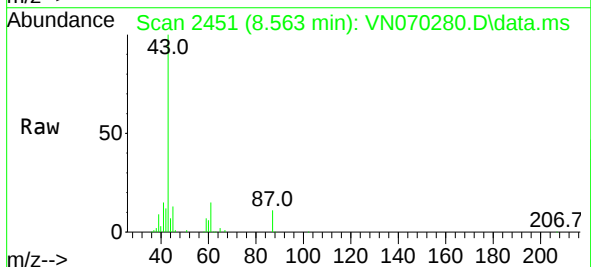


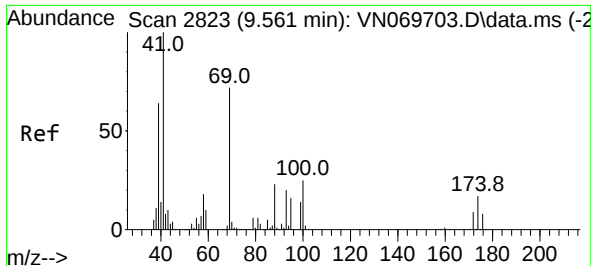
Tgt Ion:117 Resp: 93967
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.698 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 43 Resp: 155344
Ion Ratio Lower Upper
43 100
61 14.9 20.4 30.6#
87 9.4 11.2 16.8#

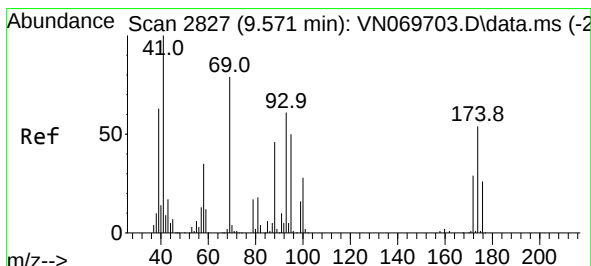
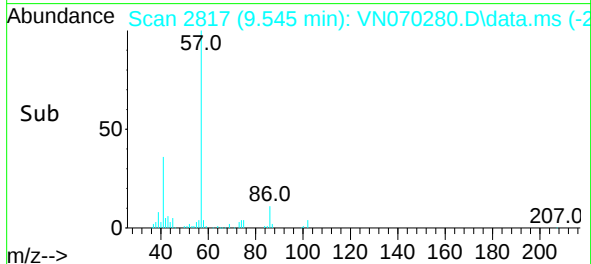
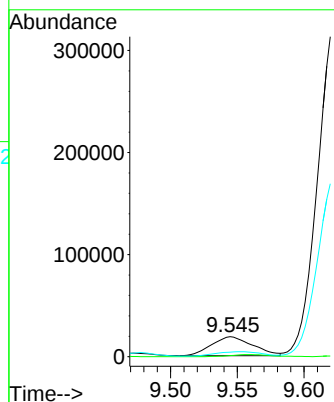
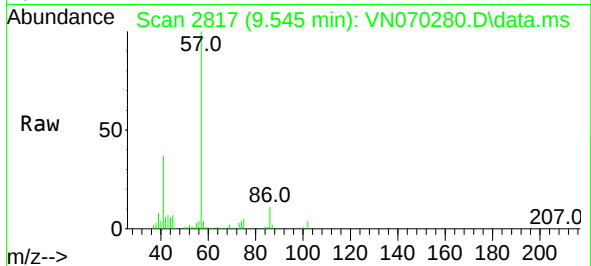




#48
Methyl methacrylate
Concen: 2.589 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

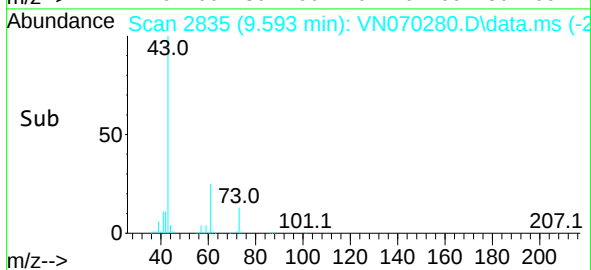
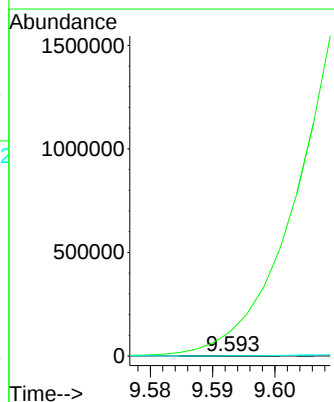
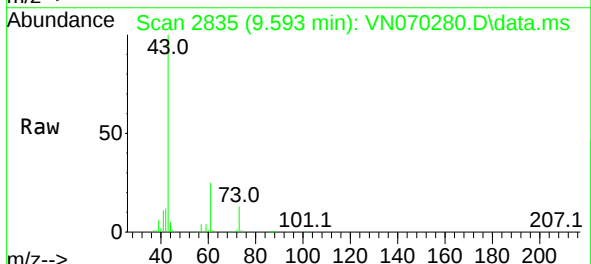
Instrument :
MSVOA_N
ClientSampleId :

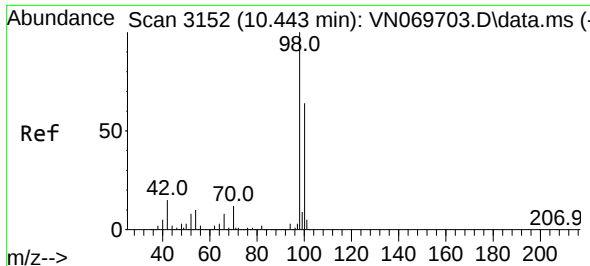
Tgt Ion: 41 Resp: 39959
Ion Ratio Lower Upper
41 100
69 10.9 72.4 108.6#
39 29.3 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.321 ug/l
RT: 9.593 min Scan# 2835
Delta R.T. 0.021 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

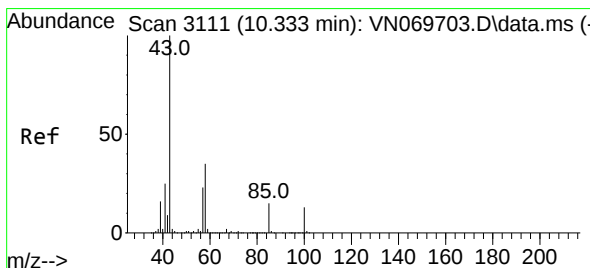
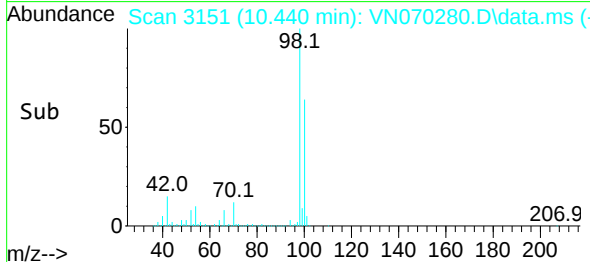
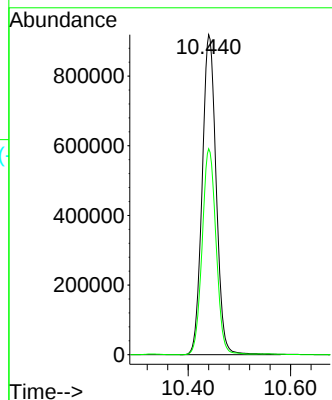
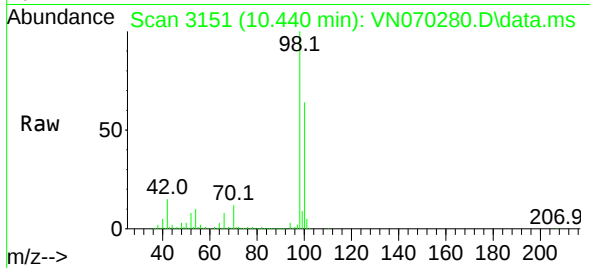




#50
Toluene-d8
Concen: 43.824 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

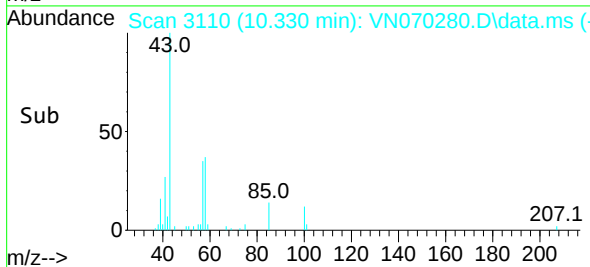
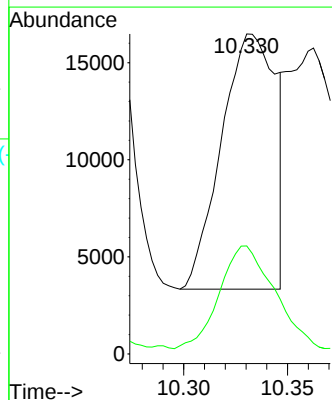
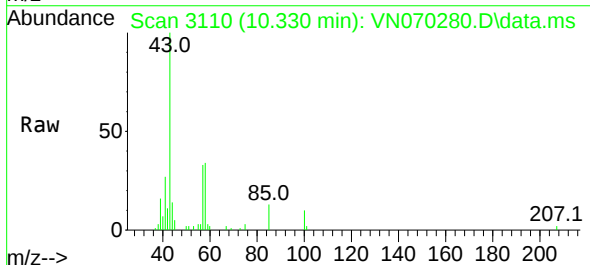
Instrument :
MSVOA_N
ClientSampleId :

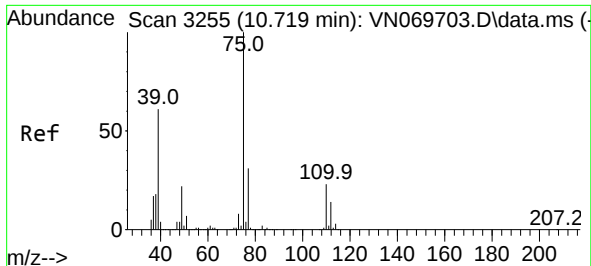
Tgt Ion: 98 Resp: 1738399
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.115 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

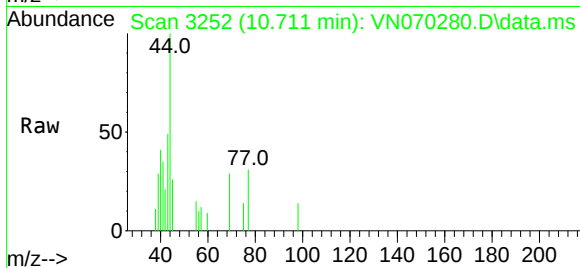
Tgt Ion: 43 Resp: 23923
Ion Ratio Lower Upper
43 100
58 41.7 30.4 45.6



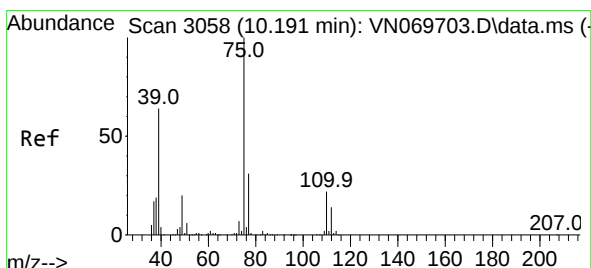
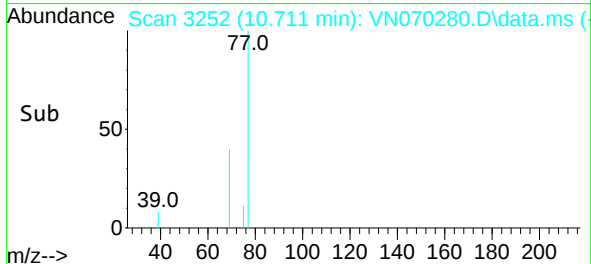
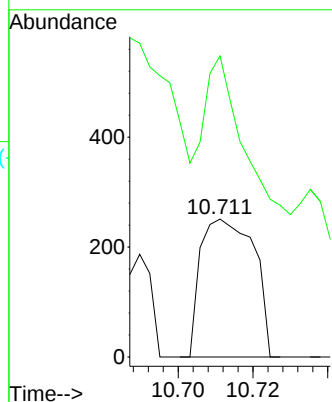


#53
t-1,3-Dichloropropene
Concen: 2.807 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

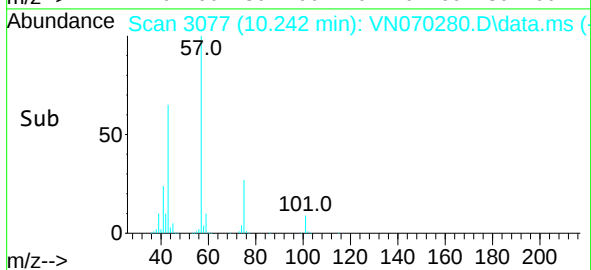
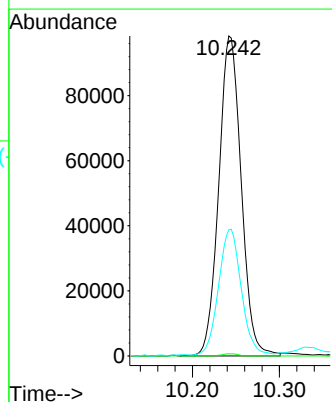
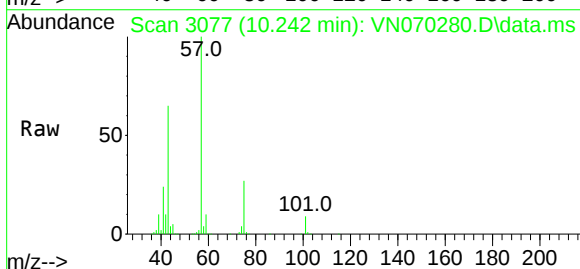


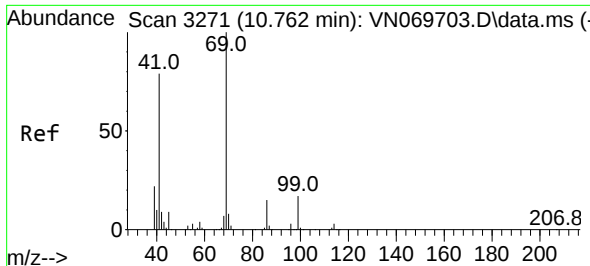
Tgt Ion: 75 Resp: 249
Ion Ratio Lower Upper
75 100
77 108.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 10.764 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

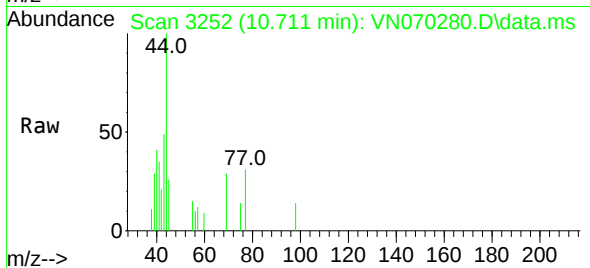
Tgt Ion: 75 Resp: 176392
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 39.1 42.5 63.7#



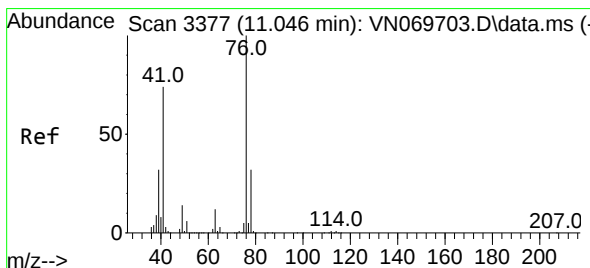
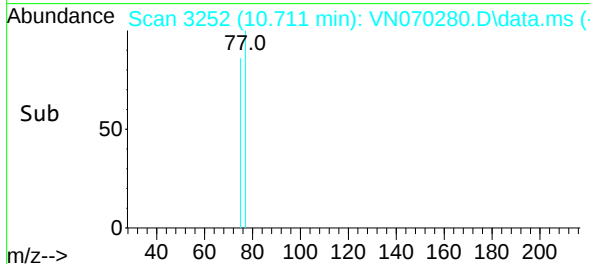
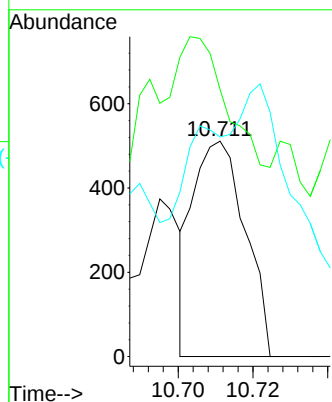


#56
Ethyl methacrylate
Concen: 2.301 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.051 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

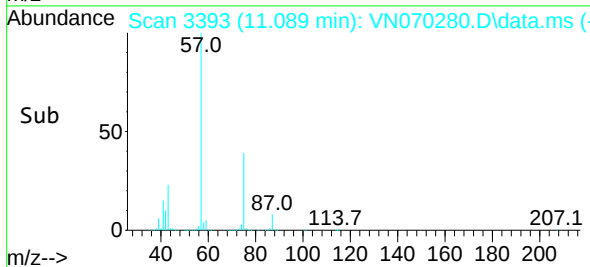
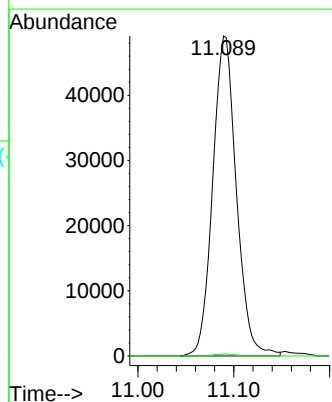
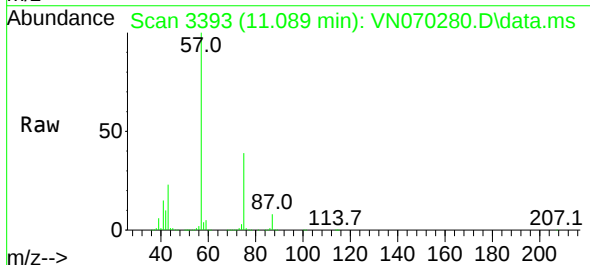


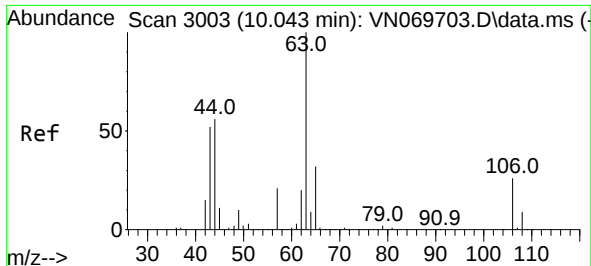
Tgt Ion: 69 Resp: 495
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.222 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 76 Resp: 84035
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

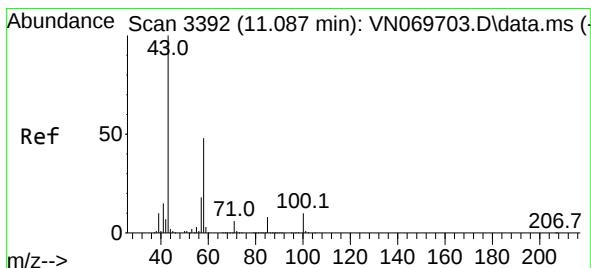
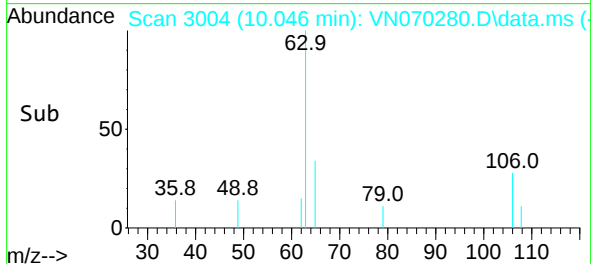
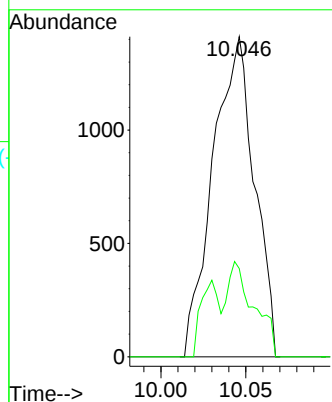
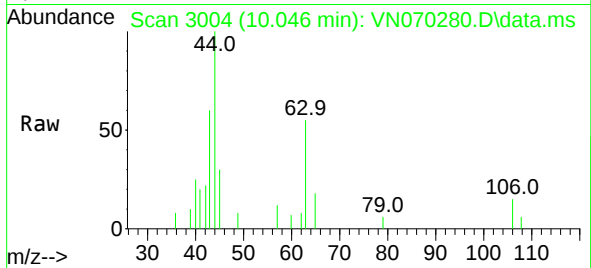




#58
2-Chloroethyl Vinyl ether
Concen: 18.774 ug/l
RT: 10.046 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

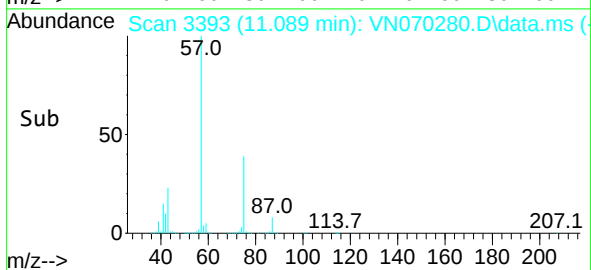
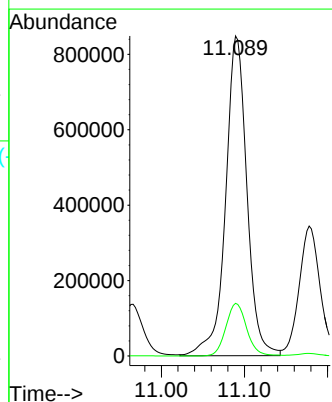
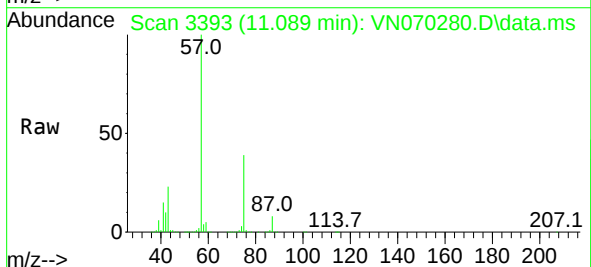
Instrument :
MSVOA_N
ClientSampleId :

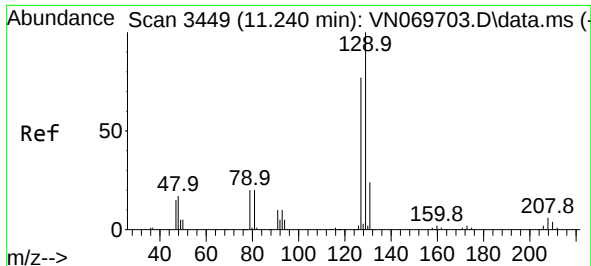
Tgt Ion: 63 Resp: 2395
Ion Ratio Lower Upper
63 100
106 19.2 23.9 35.9#



#59
2-Hexanone
Concen: 93.323 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

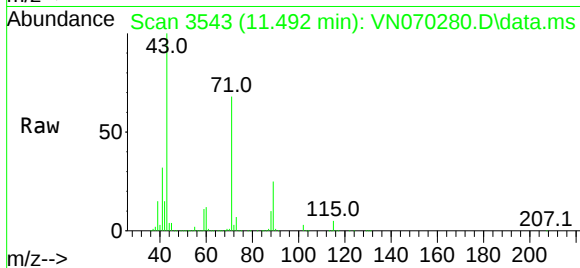
Tgt Ion: 43 Resp: 1514493
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



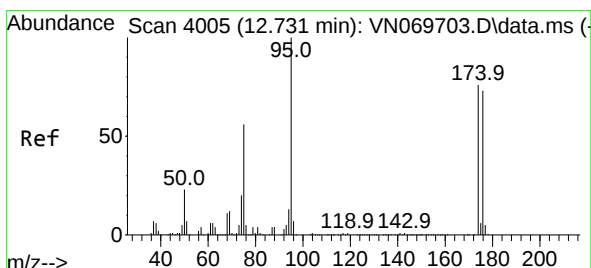
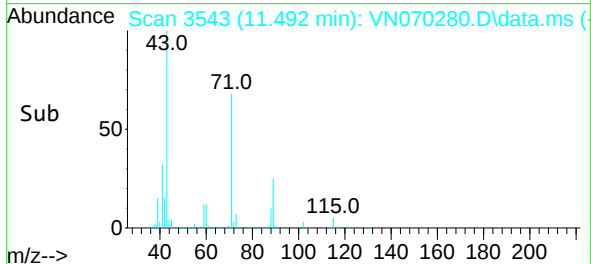
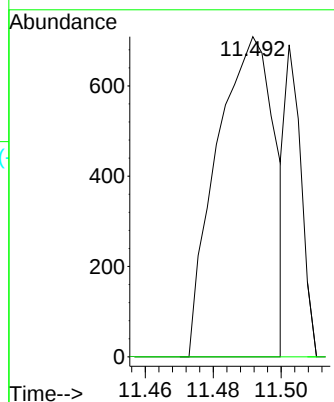


#60
Dibromochloromethane
Concen: 2.442 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Instrument :
MSVOA_N
ClientSampleId :

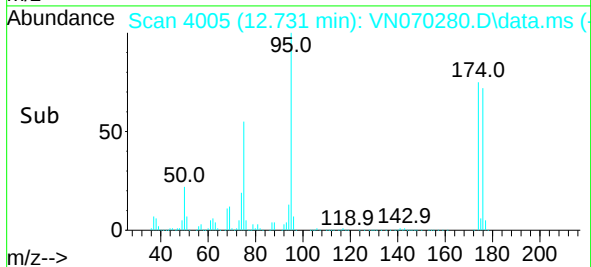
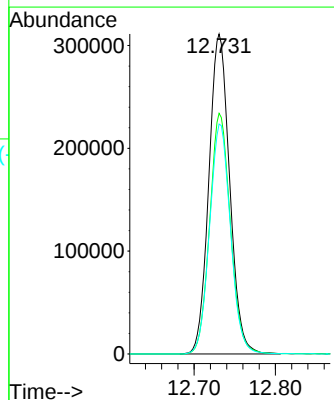
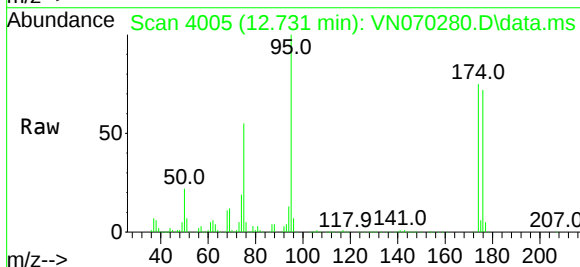


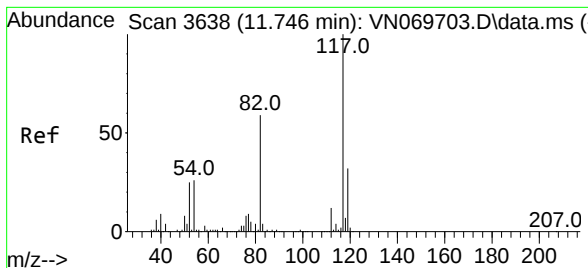
Tgt Ion:129 Resp: 835
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 38.464 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

Tgt Ion: 95 Resp: 552752
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.2 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.002 min

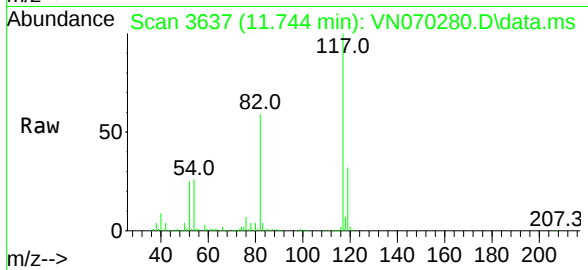
Lab File: VN070280.D

Acq: 21 Dec 2021 20:32

Instrument :

MSVOA_N

ClientSampleId :



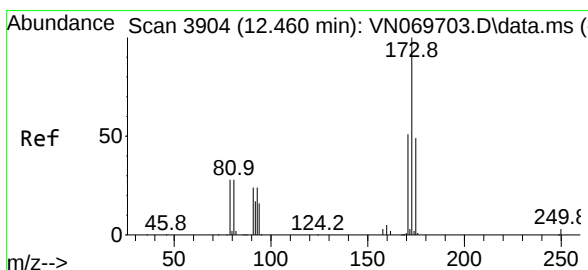
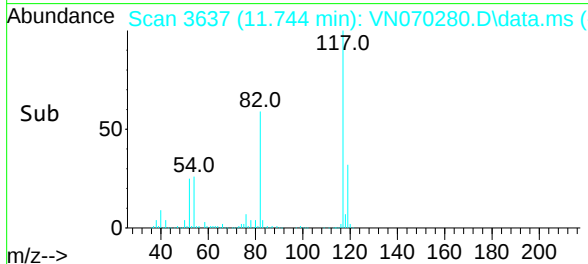
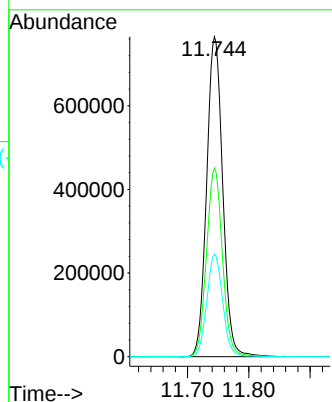
Tgt Ion:117 Resp: 1393300

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 32.1 25.4 38.2



#71

Bromoform

Concen: 2.916 ug/l

RT: 12.725 min Scan# 4003

Delta R.T. 0.265 min

Lab File: VN070280.D

Acq: 21 Dec 2021 20:32

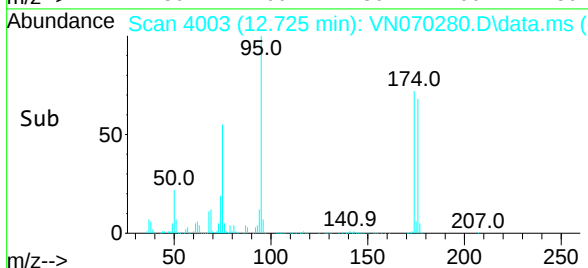
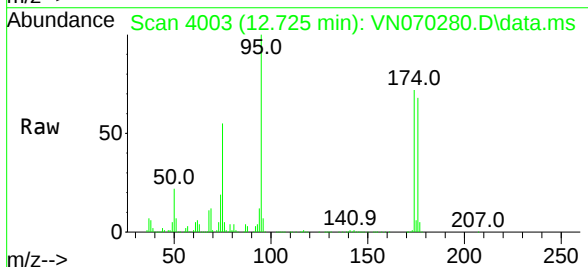
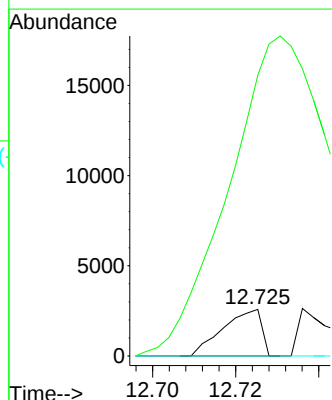
Tgt Ion:173 Resp: 1670

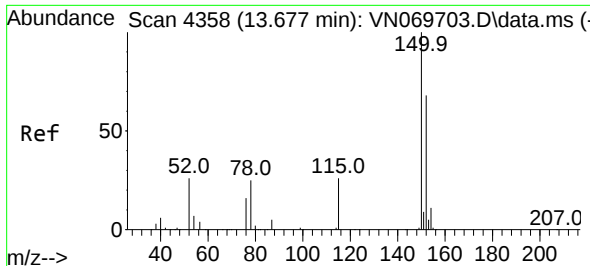
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

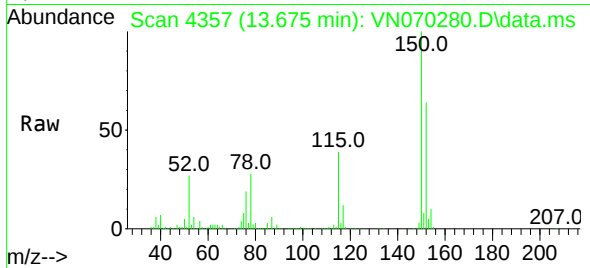
254 0.0 0.0 0.0



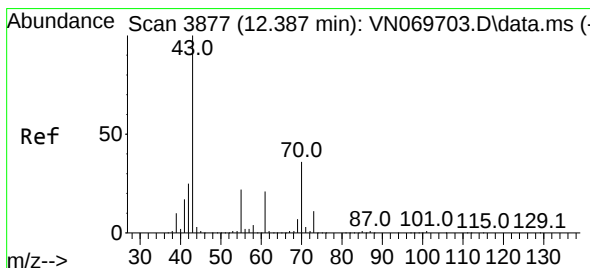
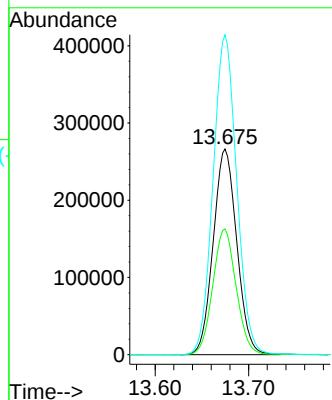
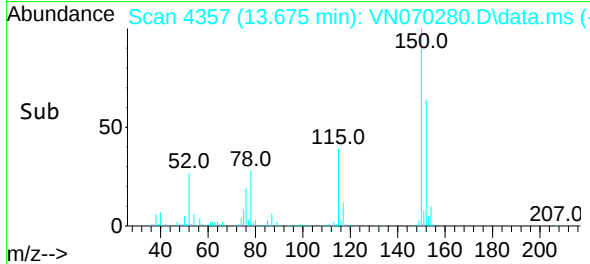


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070280.D
 Acq: 21 Dec 2021 20:32

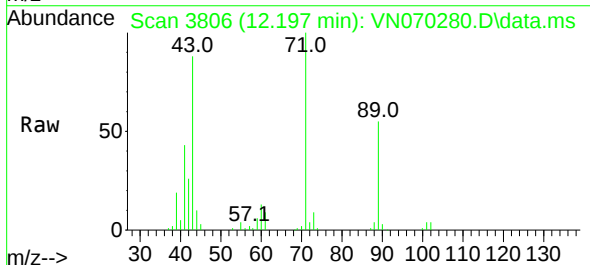
Instrument :
 MSVOA_N
 ClientSampleId :



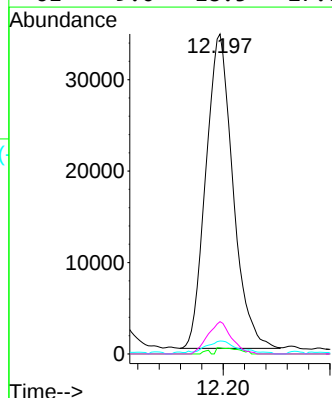
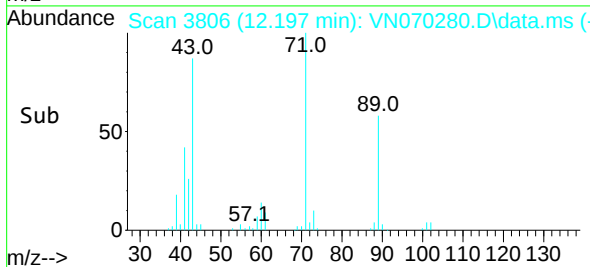
Tgt Ion:152 Resp: 466619
 Ion Ratio Lower Upper
 152 100
 115 60.7 27.5 82.5
 150 156.2 0.0 344.4

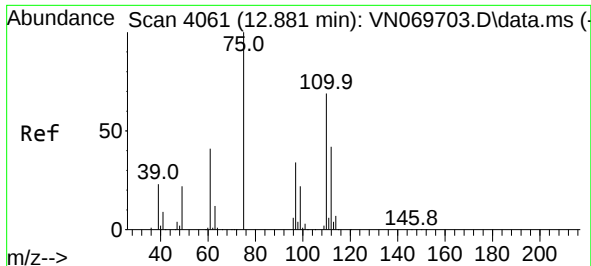


#74
 N-ethyl acetate
 Concen: 3.296 ug/l
 RT: 12.197 min Scan# 3806
 Delta R.T. -0.190 min
 Lab File: VN070280.D
 Acq: 21 Dec 2021 20:32



Tgt Ion: 43 Resp: 60516
 Ion Ratio Lower Upper
 43 100
 70 1.6 33.4 50.0#
 55 4.9 19.3 28.9#
 61 9.0 18.5 27.7#

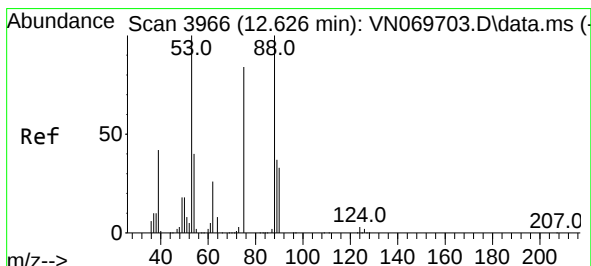
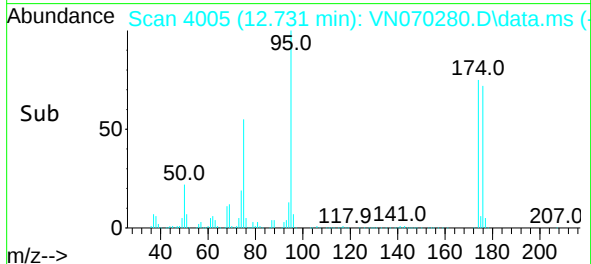
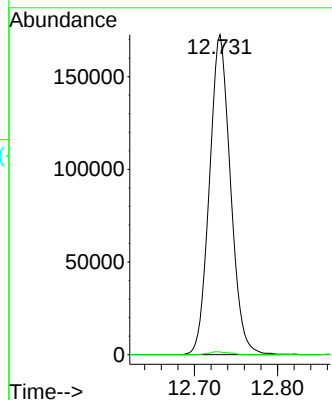
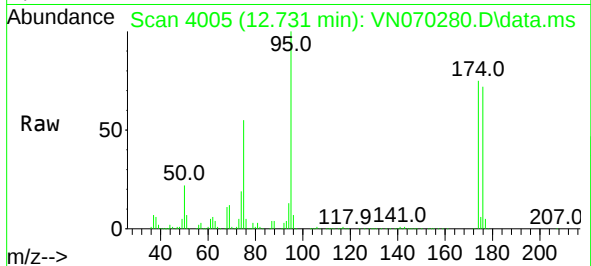




#76
1,2,3-Trichloropropane
Concen: 22.706 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

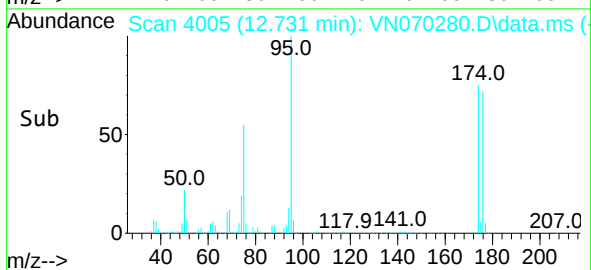
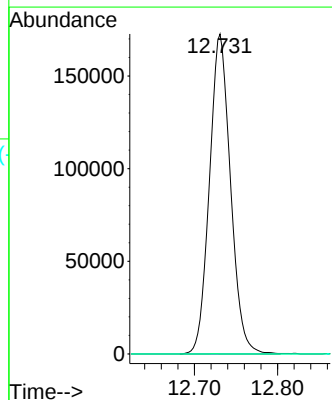
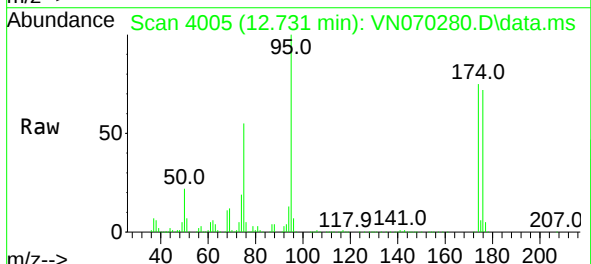
Instrument :
MSVOA_N
ClientSampleId :

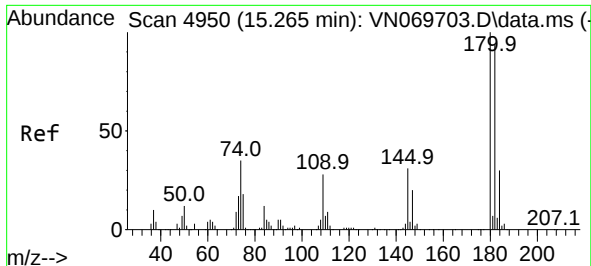
Tgt Ion: 75 Resp: 303844
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.340 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

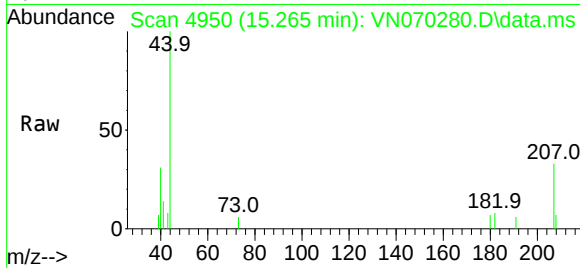
Tgt Ion: 75 Resp: 303844
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



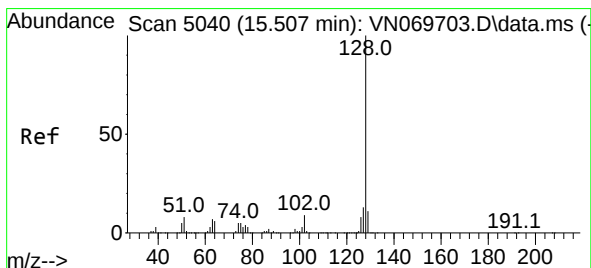
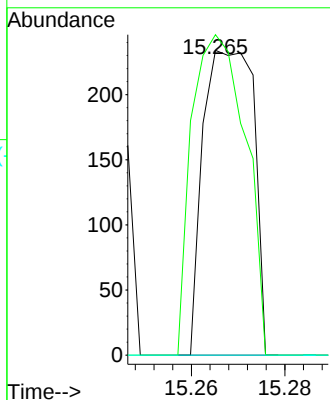
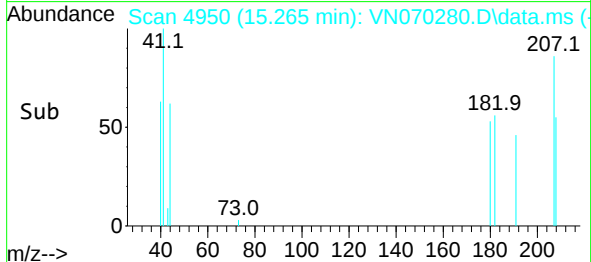


#93
1,2,4-Trichlorobenzene
Concen: 2.899 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32

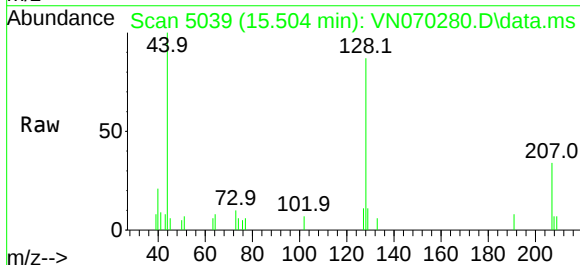
Instrument :
MSVOA_N
ClientSampleId :



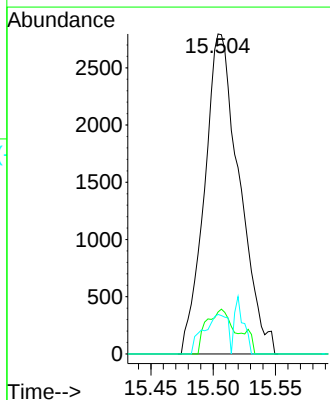
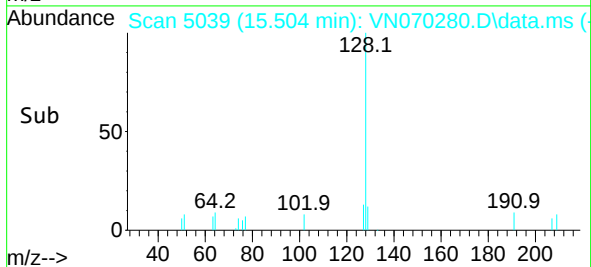
Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 112.0 48.3 144.9
145 0.0 14.5 43.5#

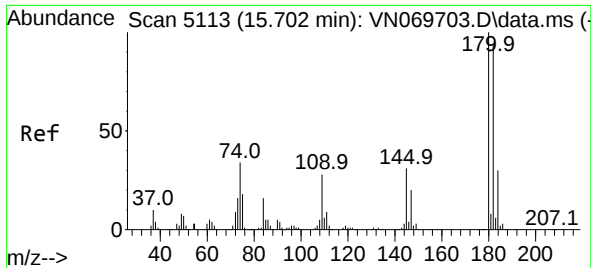


#95
Naphthalene
Concen: 4.204 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070280.D
Acq: 21 Dec 2021 20:32



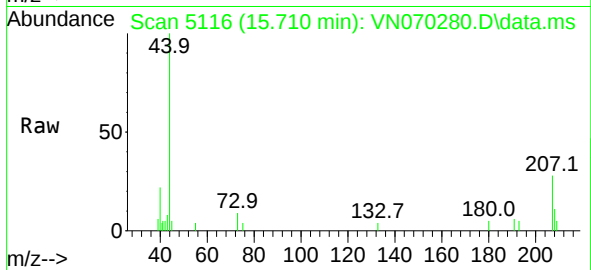
Tgt Ion:128 Resp: 5432
Ion Ratio Lower Upper
128 100
127 10.2 10.5 15.7#
129 8.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.442 ug/l
 RT: 15.710 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN070280.D
 Acq: 21 Dec 2021 20:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 51.9 47.4 142.2
 145 0.0 15.0 45.1#

