

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070080.D
 Acq On : 14 Dec 2021 19:15
 Operator : JC/MD
 Sample : M4989-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:21:28 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)

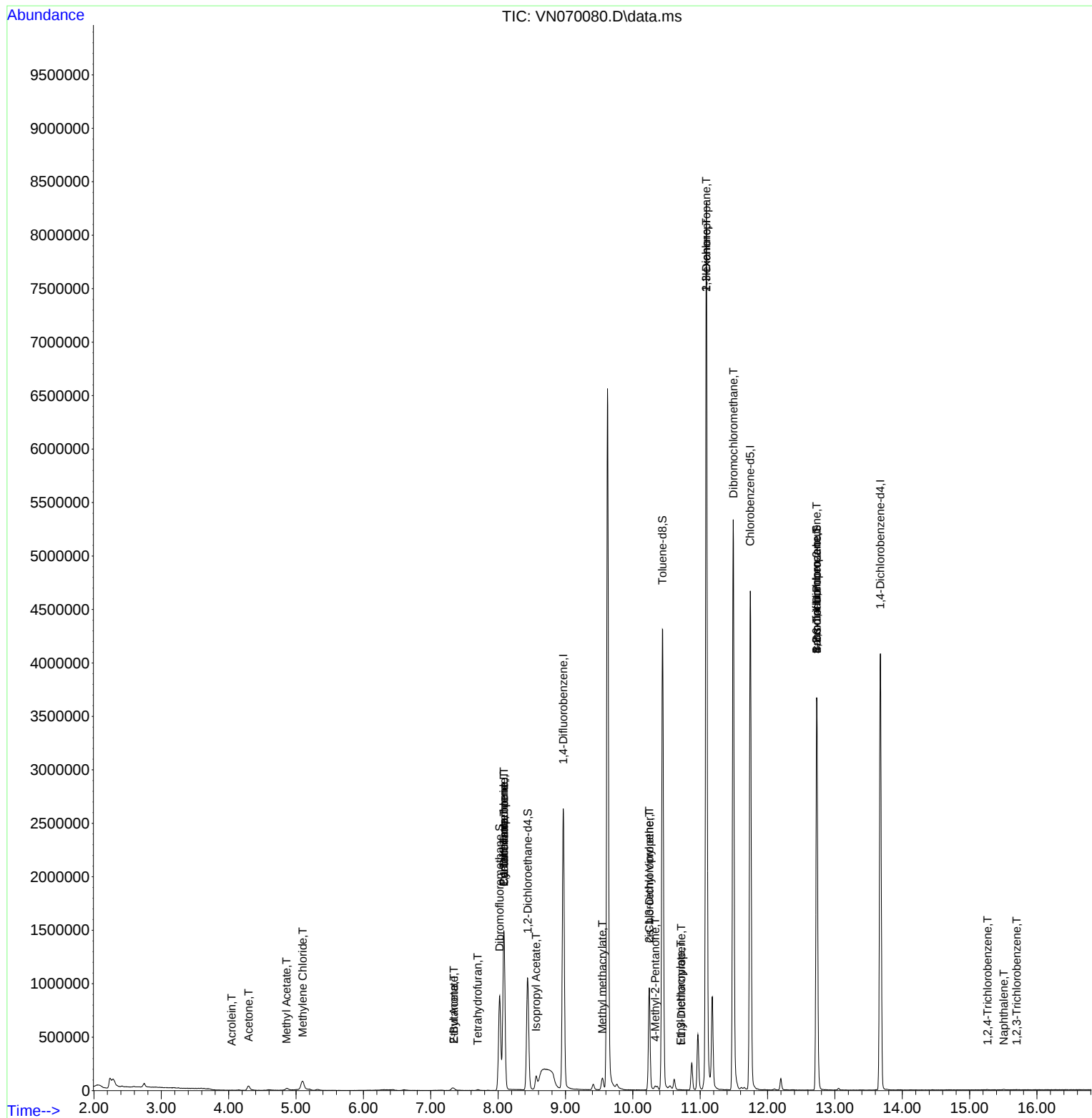
Internal Standards						
1) Pentafluorobenzene	8.085	168	1120957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2194183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2580583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1087117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	905687	52.329	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.660%	
35) Dibromofluoromethane	8.024	113	635021	46.204	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 92.400%	
50) Toluene-d8	10.440	98	2914640	52.815	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.731	95	1275937	63.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.640%	
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	776	0.279	ug/l	96
16) Acetone	4.296	43	76038	7.303	ug/l	90
18) Methyl Acetate	4.859	43	14786	0.471	ug/l #	71
20) Methylene Chloride	5.100	84	58122	4.199	ug/l #	81
25) 2-Butanone	7.343	43	15720	1.111	ug/l #	89
29) Tetrahydrofuran	7.697	42	3266	0.380	ug/l	94
31) Cyclohexane	8.085	56	28532	1.185	ug/l #	20
36) 1,1-Dichloropropene	8.085	75	94614	4.530	ug/l #	48
37) Ethyl Acetate	7.343	43	15720	0.506	ug/l #	68
38) Carbon Tetrachloride	8.085	117	114102	5.571	ug/l #	17
43) Isopropyl Acetate	8.565	43	149688	3.254	ug/l #	82
48) Methyl methacrylate	9.547	41	33157	1.544	ug/l #	8
51) 4-Methyl-2-Pentanone	10.333	43	19760	0.662	ug/l	92
53) t-1,3-Dichloropropene	10.719	75	56	2.796	ug/l #	49
54) cis-1,3-Dichloropropene	10.244	75	152997	7.464	ug/l #	72
56) Ethyl methacrylate	10.711	69	681	2.301	ug/l #	24
57) 1,3-Dichloropropane	11.092	76	79418	2.868	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.244	63	173	18.409	ug/l #	45
59) 2-Hexanone	11.092	43	1454239	64.411	ug/l #	48
60) Dibromochloromethane	11.494	129	819	2.422	ug/l #	11
71) Bromoform	12.731	173	4840	3.021	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	703983	22.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	703983	71.963	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	559	2.907	ug/l #	67
95) Naphthalene	15.506	128	4820	4.069	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.700	180	604	2.469	ug/l #	63

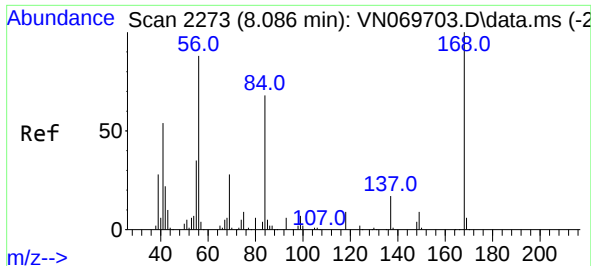
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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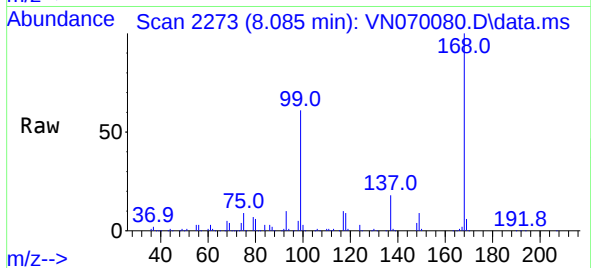
Quant Time: Dec 15 05:21:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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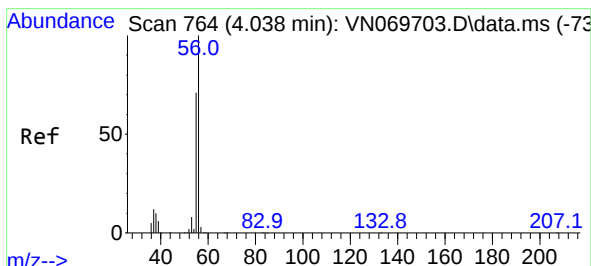
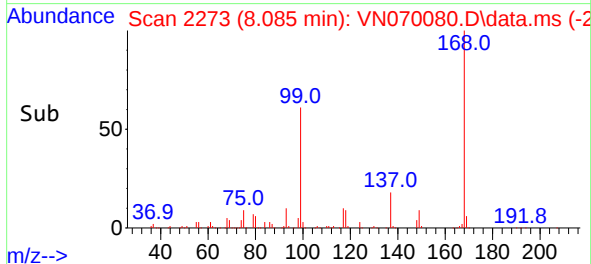
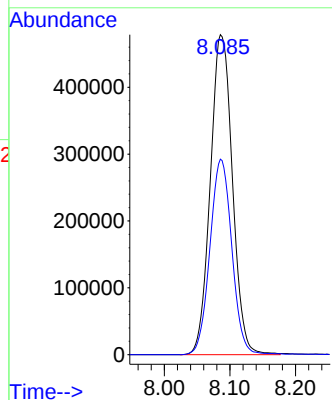


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

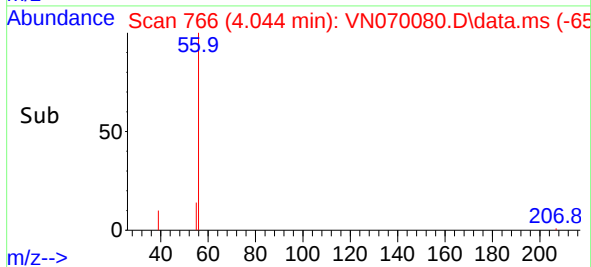
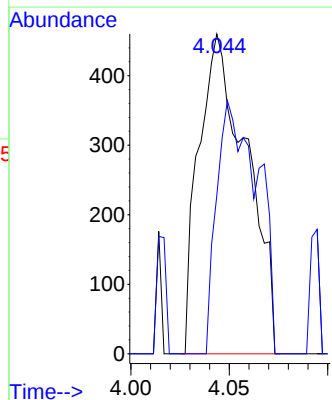
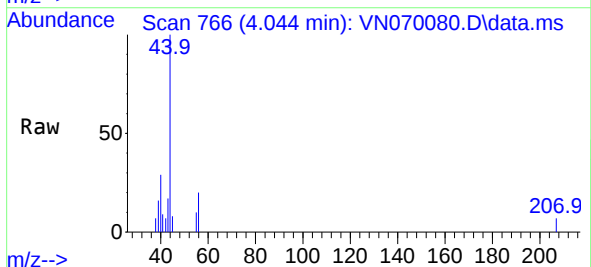


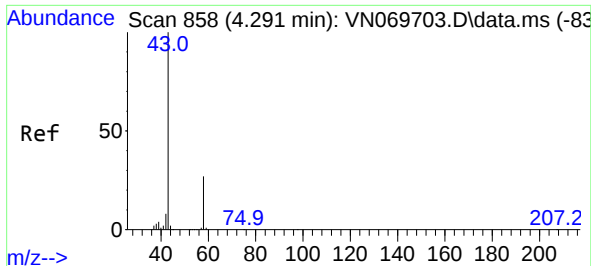
Tgt Ion:168 Resp: 1120957
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#13
Acrolein
Concen: 0.279 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Tgt Ion: 56 Resp: 776
Ion Ratio Lower Upper
56 100
55 67.5 56.6 85.0

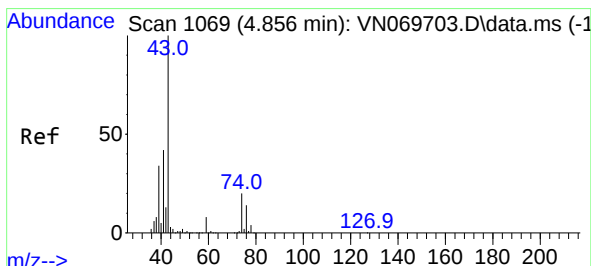
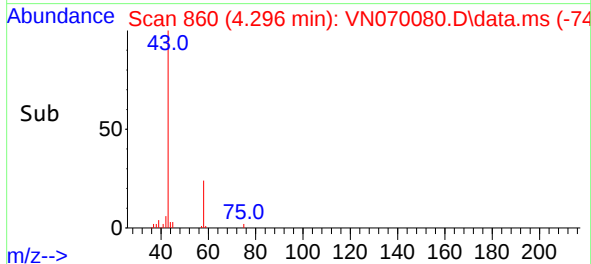
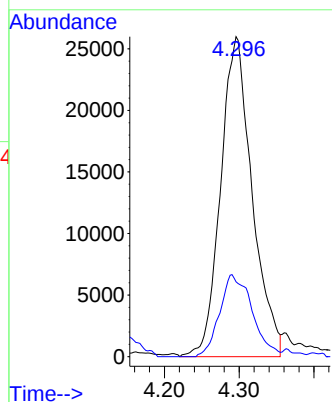
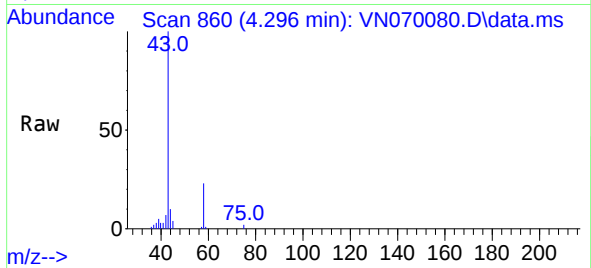




#16
Acetone
Concen: 7.303 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

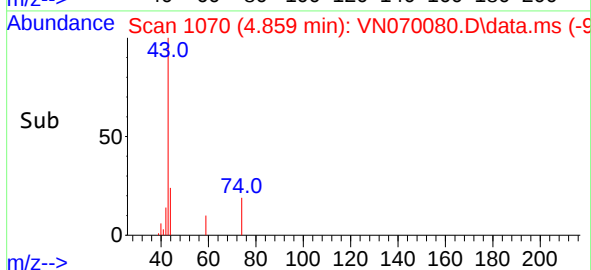
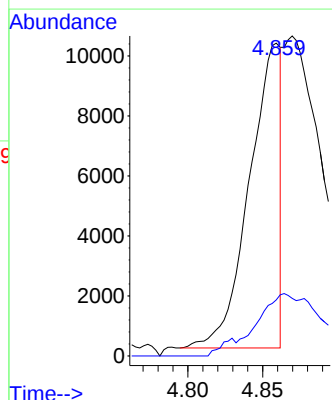
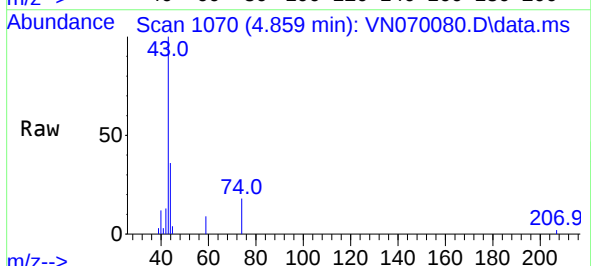
Instrument :
MSVOA_N
ClientSampleId :

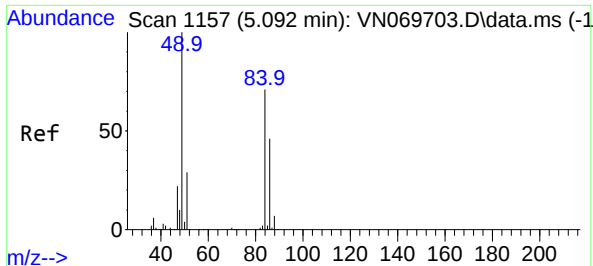
Tgt Ion: 43 Resp: 76038
Ion Ratio Lower Upper
43 100
58 23.4 23.1 34.7



#18
Methyl Acetate
Concen: 0.471 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

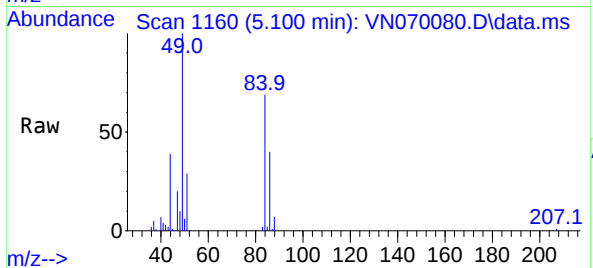
Tgt Ion: 43 Resp: 14786
Ion Ratio Lower Upper
43 100
74 38.9 19.4 29.2#



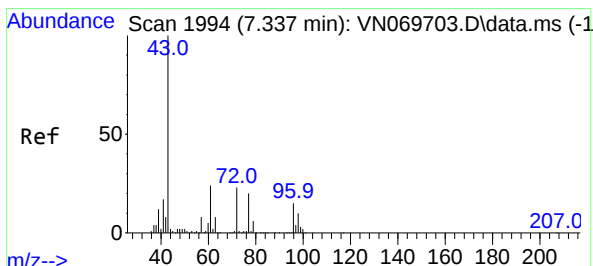
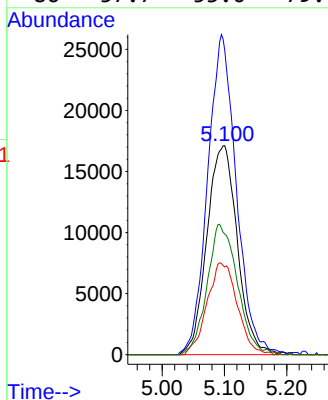
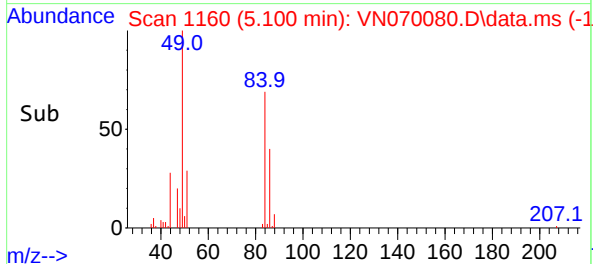


#20
Methylene Chloride
Concen: 4.199 ug/l
RT: 5.100 min Scan# 1157
Delta R.T. 0.008 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

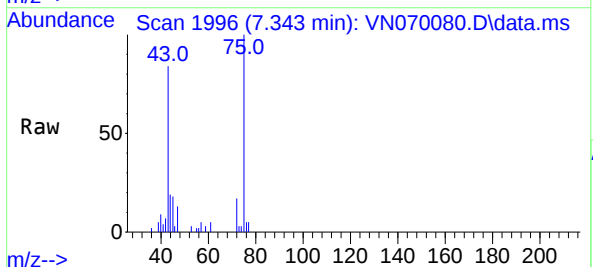
Instrument :
MSVOA_N
ClientSampleId :



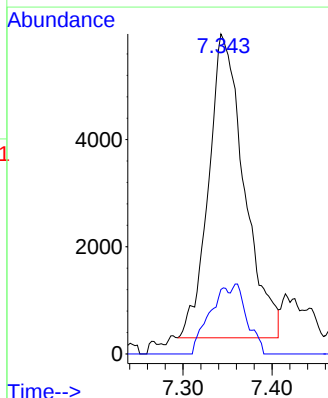
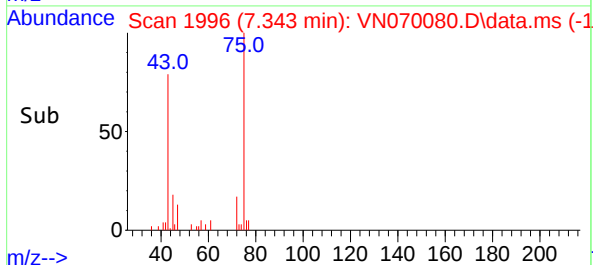
Tgt Ion: 84 Resp: 58122
Ion Ratio Lower Upper
84 100
49 145.6 93.5 140.3#
51 41.9 29.4 44.2
86 57.7 53.0 79.4

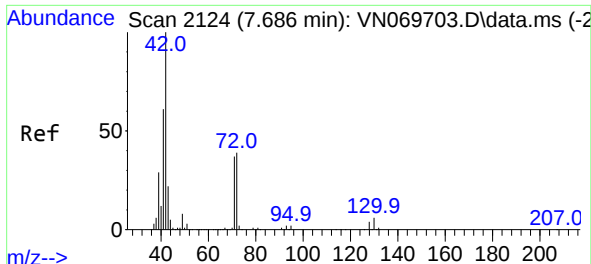


#25
2-Butanone
Concen: 1.111 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15



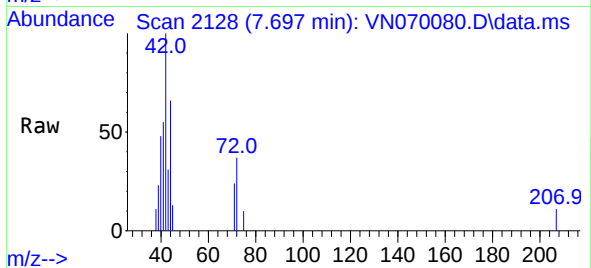
Tgt Ion: 43 Resp: 15720
Ion Ratio Lower Upper
43 100
72 21.3 21.7 32.5#



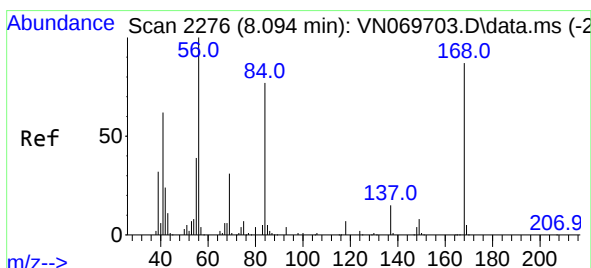
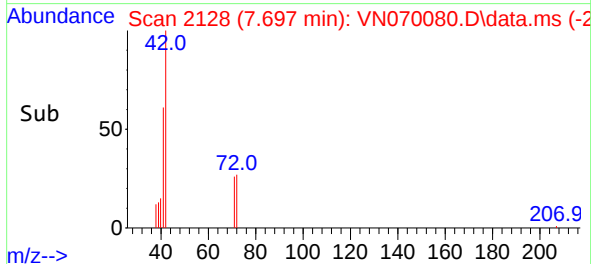
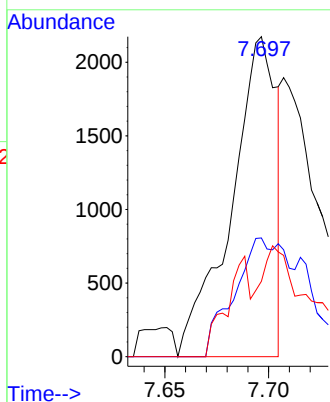


#29
Tetrahydrofuran
Concen: 0.380 ug/l
RT: 7.697 min Scan# 2124
Delta R.T. 0.011 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

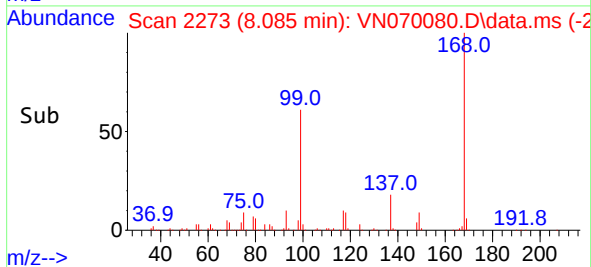
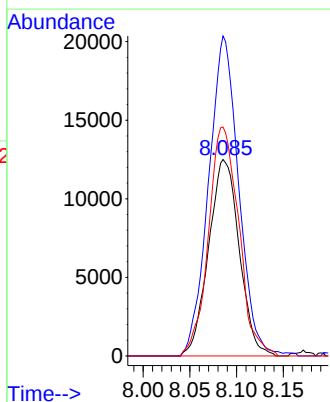
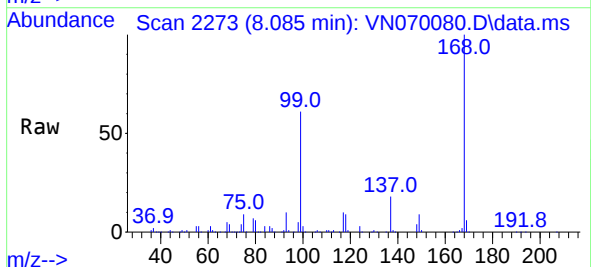


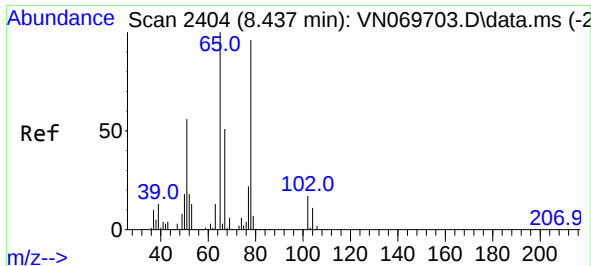
Tgt Ion: 42 Resp: 3266
Ion Ratio Lower Upper
42 100
72 44.9 36.3 54.5
71 35.5 34.7 52.1



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Tgt Ion: 56 Resp: 28532
Ion Ratio Lower Upper
56 100
69 162.9 27.1 40.7#
84 116.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.329 ug/l

RT: 8.439 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070080.D

Acq: 14 Dec 2021 19:15

Instrument :

MSVOA_N

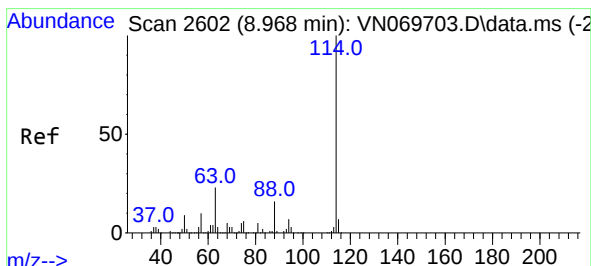
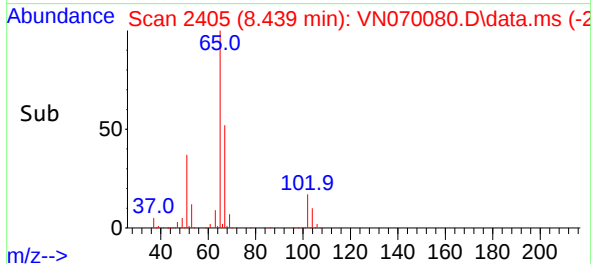
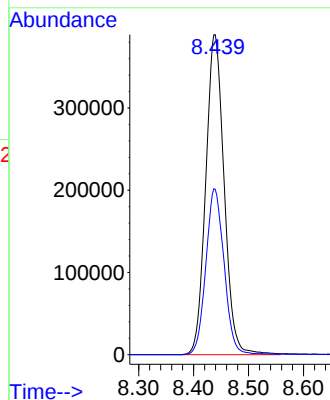
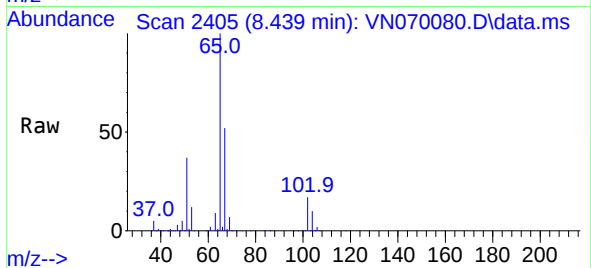
ClientSampleId :

Tgt Ion: 65 Resp: 905687

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070080.D

Acq: 14 Dec 2021 19:15

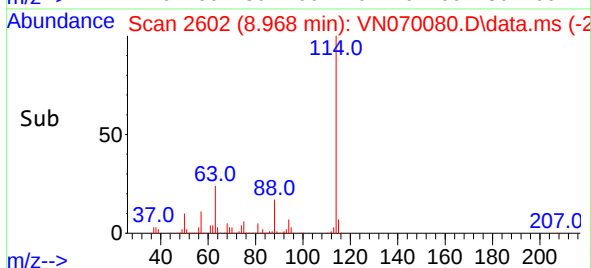
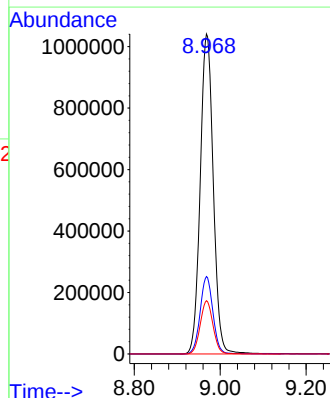
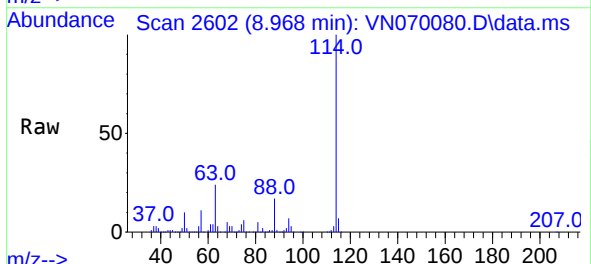
Tgt Ion:114 Resp: 2194183

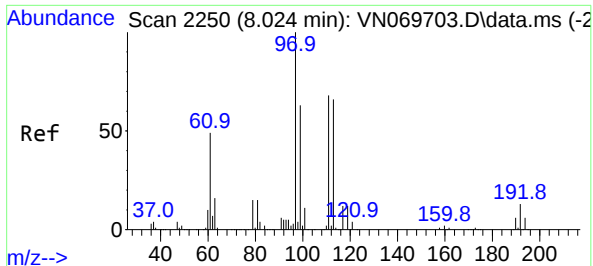
Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

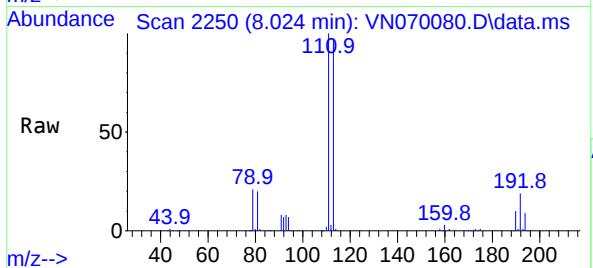
88 16.7 0.0 27.4



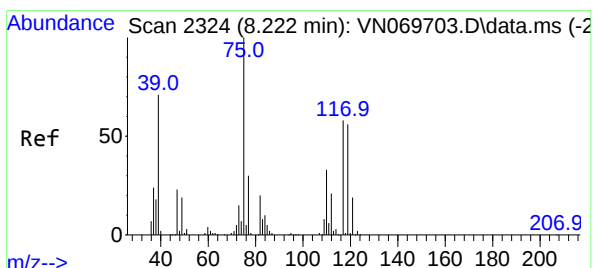
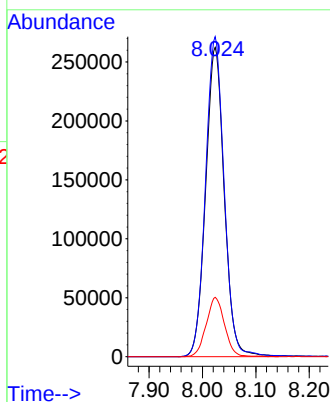
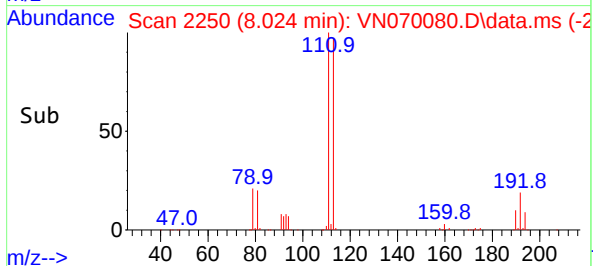


#35
Dibromofluoromethane
Concen: 46.204 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

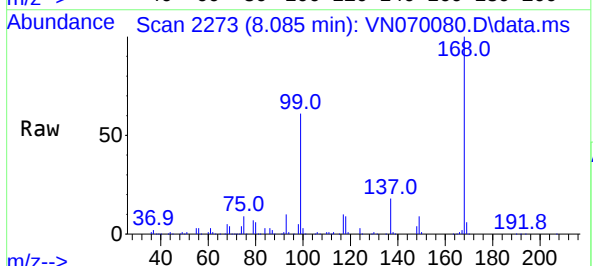
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MSVOA_N
ClientSampleId :



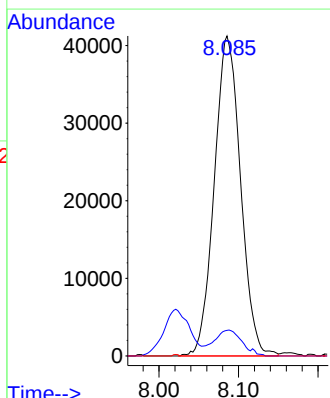
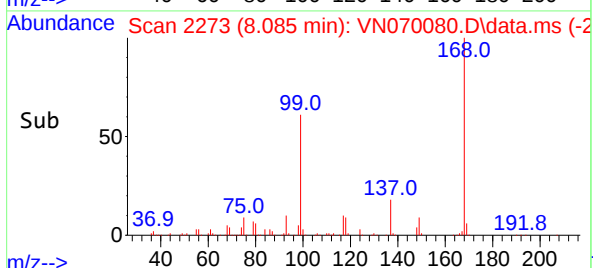
Tgt Ion:113 Resp: 635021
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.9 16.9 25.3

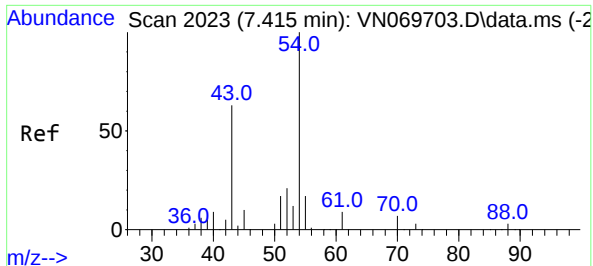


#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15



Tgt Ion: 75 Resp: 94614
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#

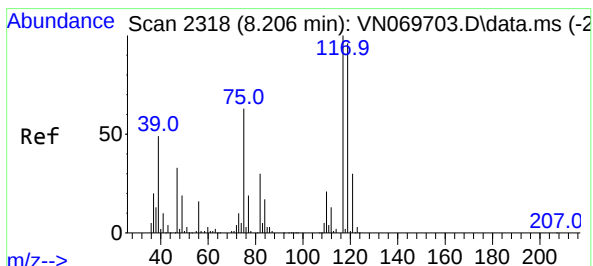
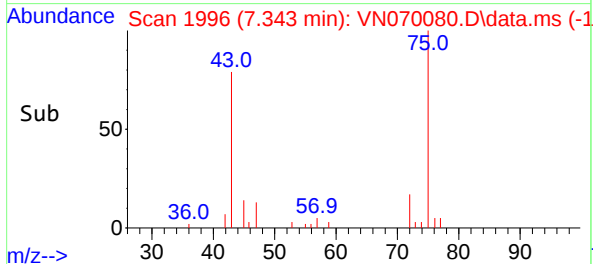
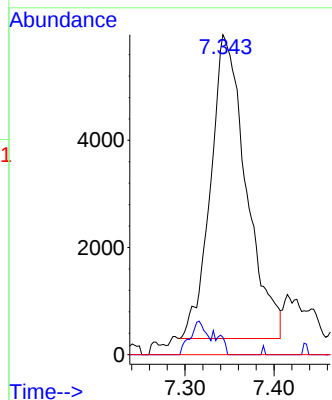
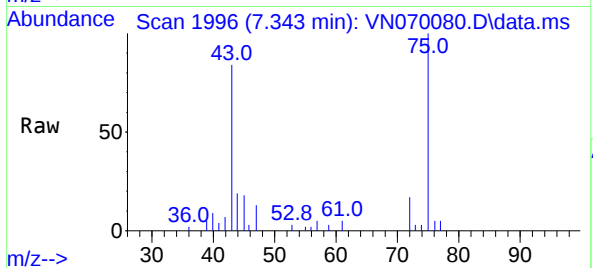




#37
Ethyl Acetate
Concen: 0.506 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.073 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

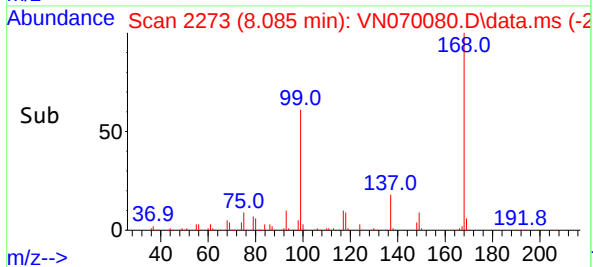
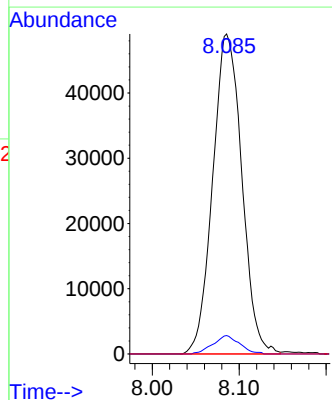
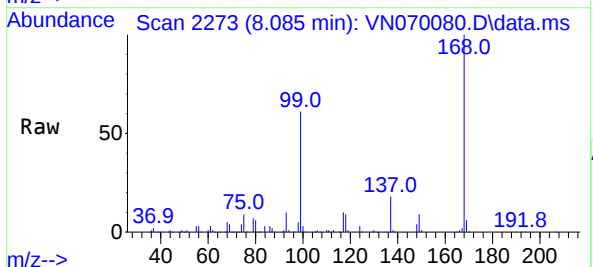
Instrument : MSVOA_N
ClientSampleId :

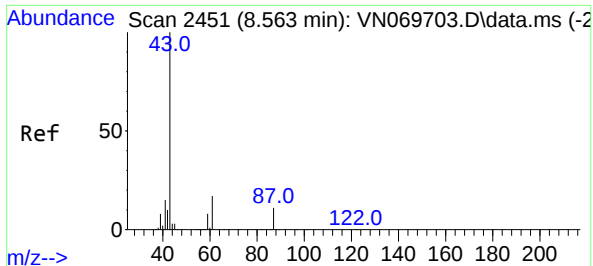
Tgt Ion: 43	Resp: 15720
Ion Ratio	Lower Upper
43 100	
61 0.0	11.5 17.3#
70 0.0	7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Tgt Ion:117	Resp:	114102	
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 3.254 ug/l

RT: 8.565 min Scan# 2451

Delta R.T. 0.003 min

Lab File: VN070080.D

Acq: 14 Dec 2021 19:15

Instrument :

MSVOA_N

ClientSampleId :

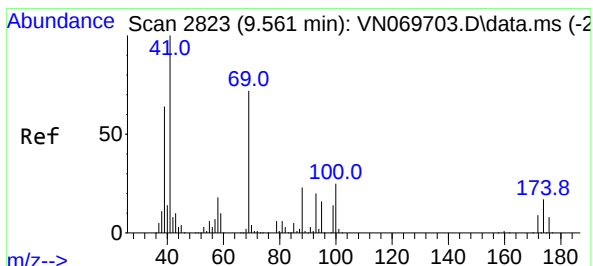
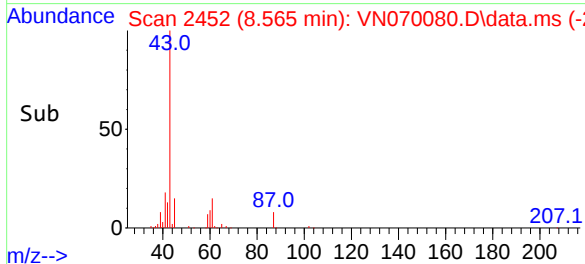
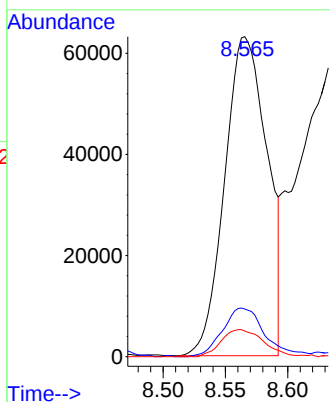
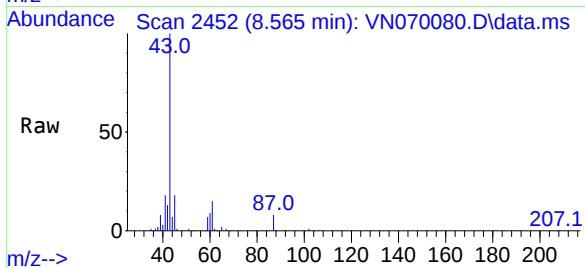
Tgt Ion: 43 Resp: 149688

Ion Ratio Lower Upper

43 100

61 15.1 20.4 30.6#

87 8.5 11.2 16.8#



#48

Methyl methacrylate

Concen: 1.544 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.014 min

Lab File: VN070080.D

Acq: 14 Dec 2021 19:15

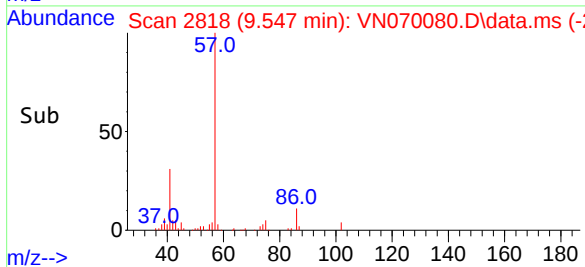
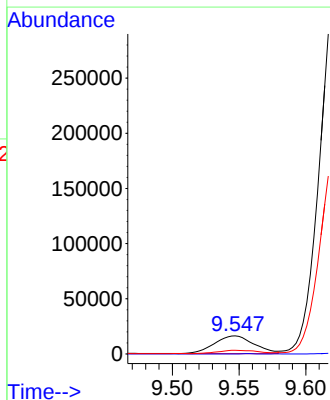
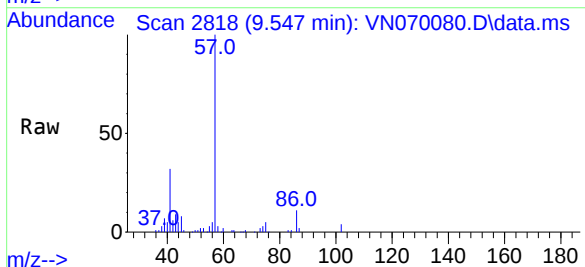
Tgt Ion: 41 Resp: 33157

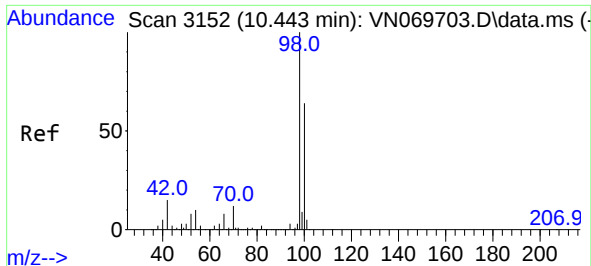
Ion Ratio Lower Upper

41 100

69 0.4 72.4 108.6#

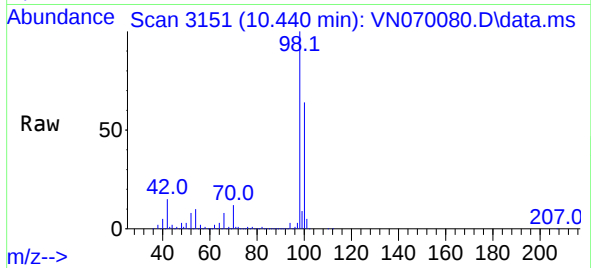
39 0.0 58.4 87.6#



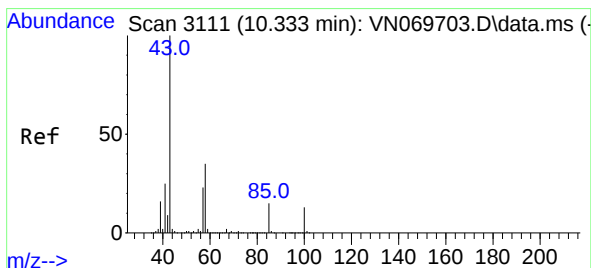
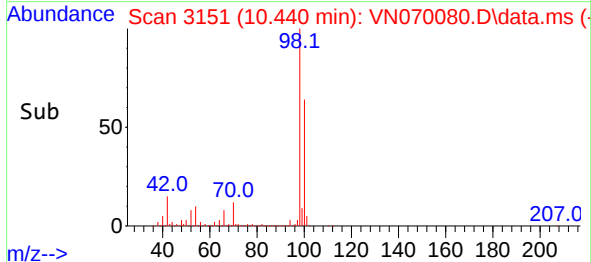
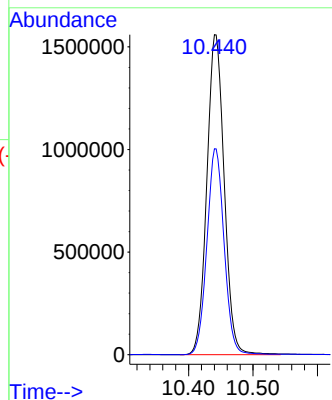


#50
Toluene-d8
Concen: 52.815 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

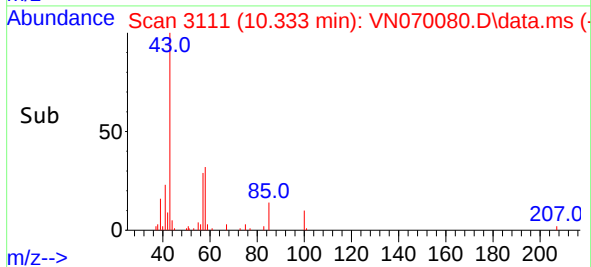
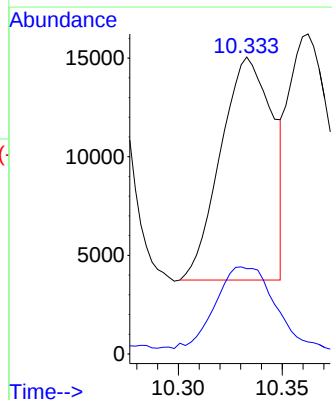
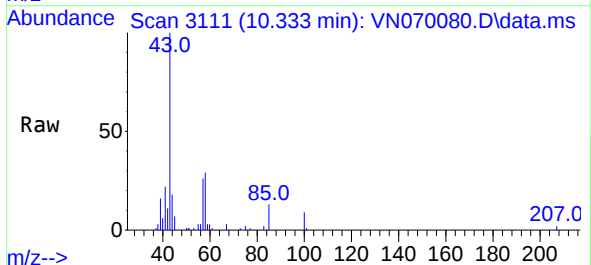


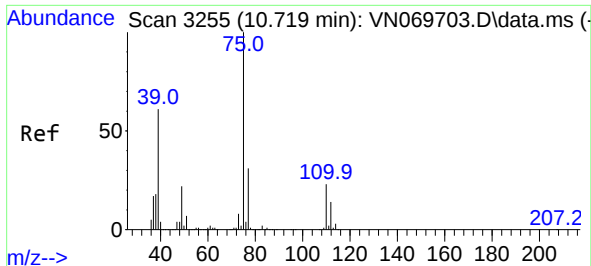
Tgt Ion: 98 Resp: 2914640
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.662 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

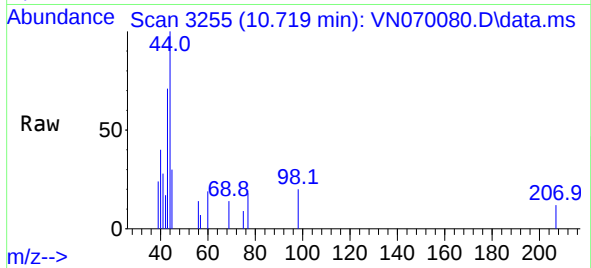
Tgt Ion: 43 Resp: 19760
Ion Ratio Lower Upper
43 100
58 43.0 30.4 45.6



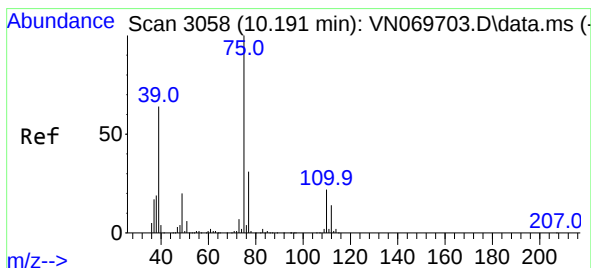
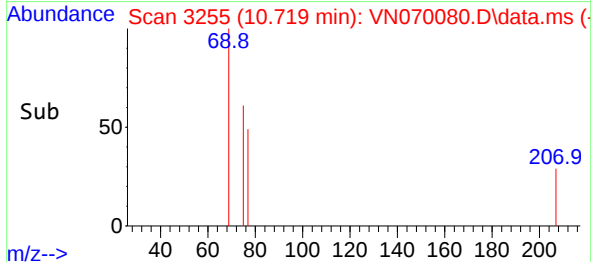
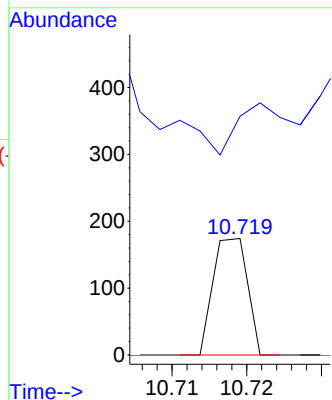


#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

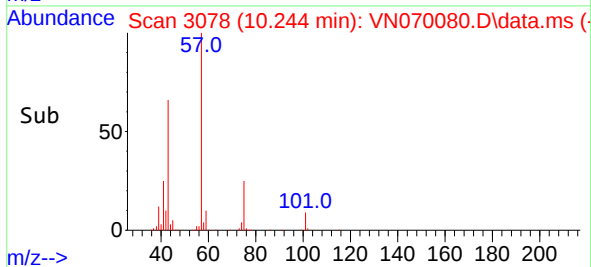
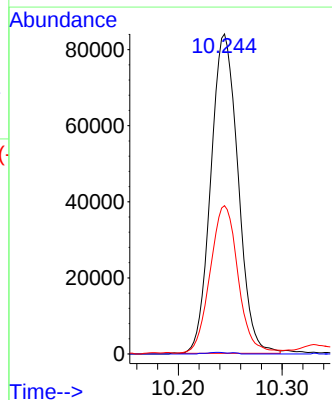
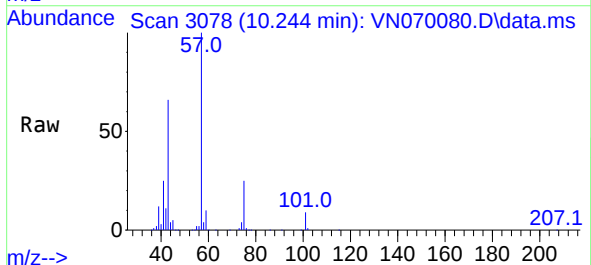


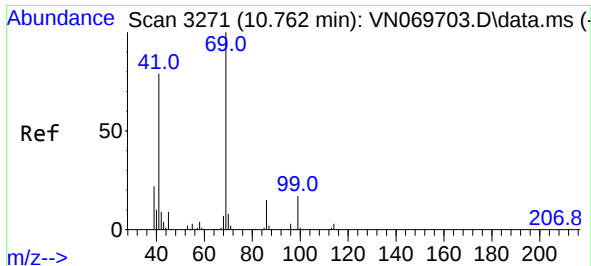
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 3.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.464 ug/l
RT: 10.244 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

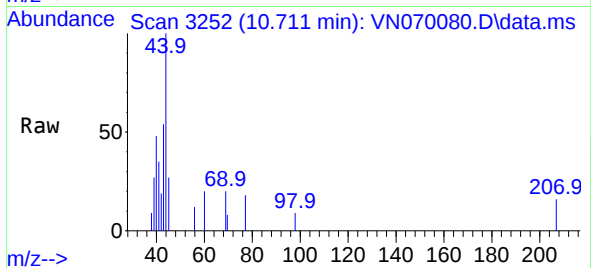
Tgt Ion: 75 Resp: 152997
Ion Ratio Lower Upper
75 100
77 0.3 26.4 39.6#
39 46.1 42.5 63.7



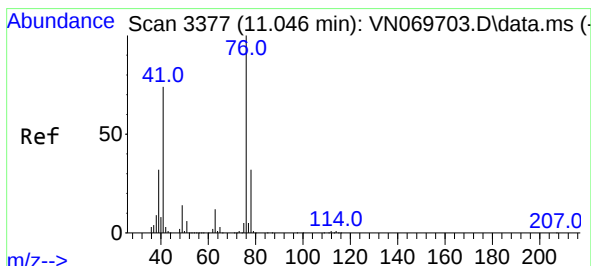
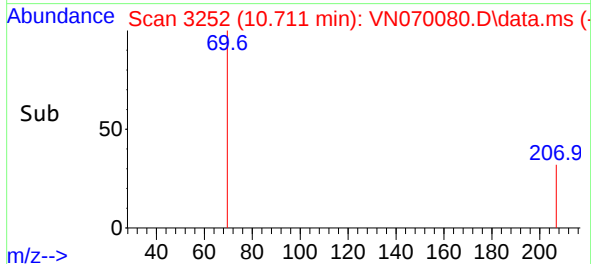
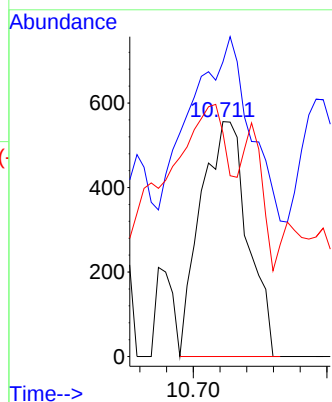


#56
Ethyl methacrylate
Concen: 2.301 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.051 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

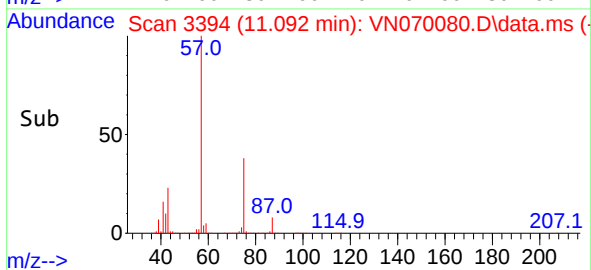
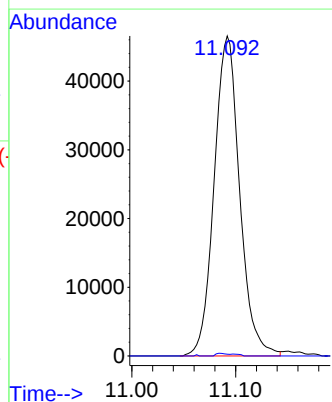
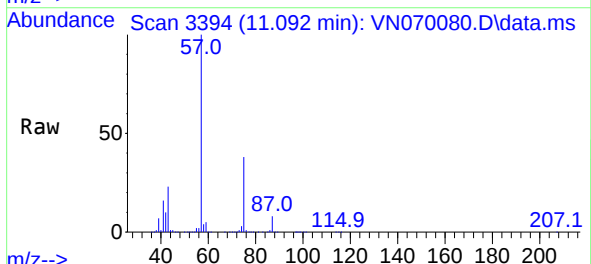


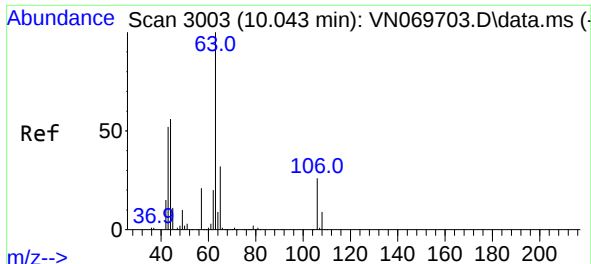
Tgt Ion: 69 Resp: 681
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 2.868 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Tgt Ion: 76 Resp: 79418
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

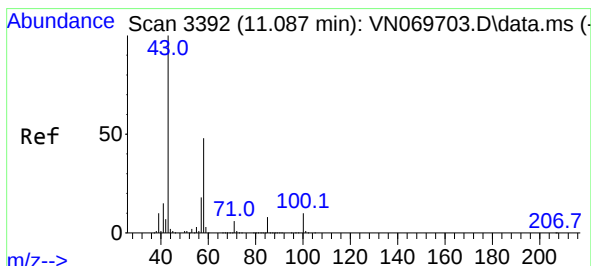
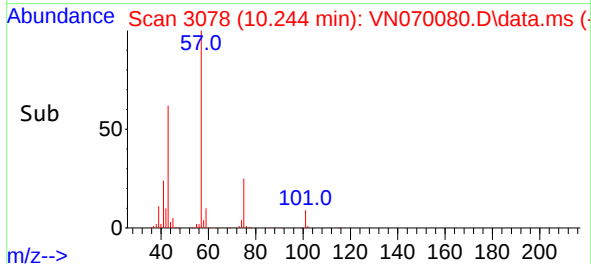
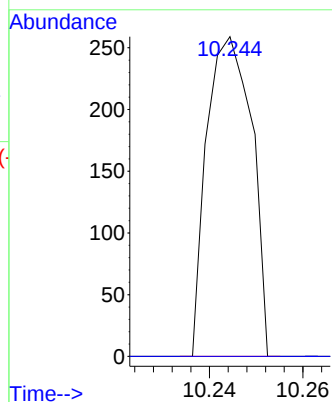
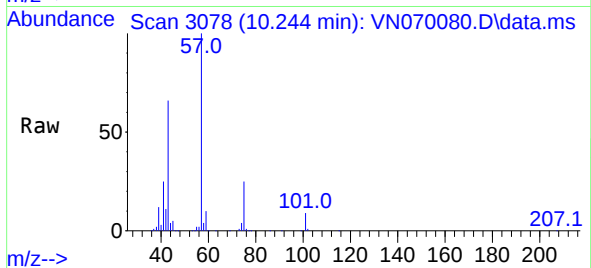




#58
2-Chloroethyl Vinyl ether
Concen: 18.409 ug/l
RT: 10.244 min Scan# 3003
Delta R.T. 0.201 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

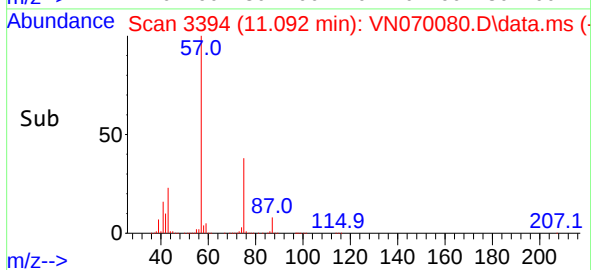
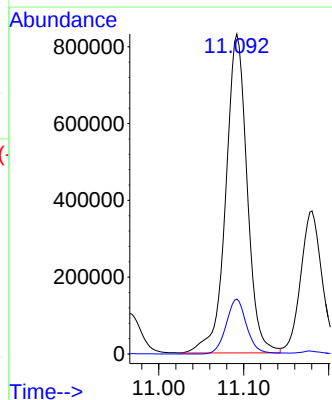
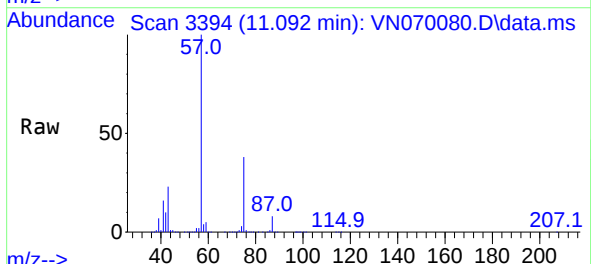
Instrument :
MSVOA_N
ClientSampleId :

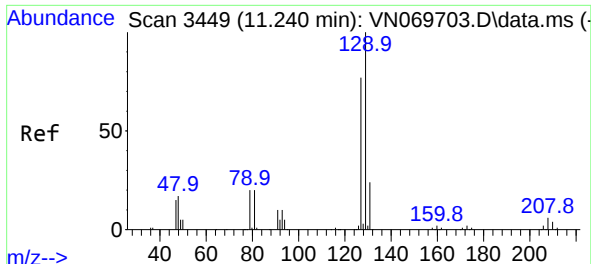
Tgt Ion: 63 Resp: 173
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 64.411 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

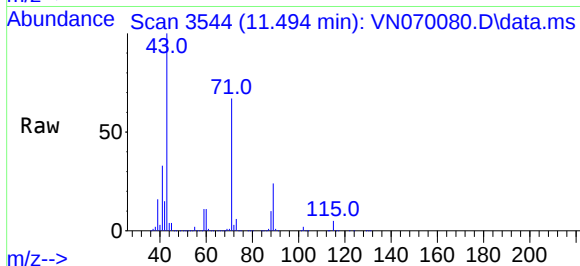
Tgt Ion: 43 Resp: 1454239
Ion Ratio Lower Upper
43 100
58 16.5 26.9 80.7#



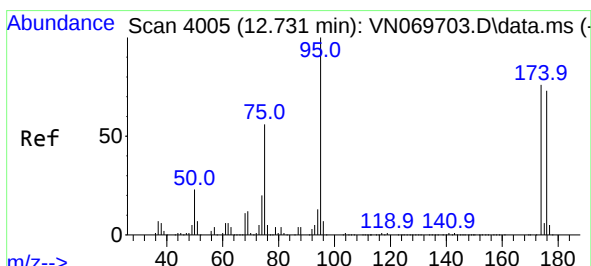
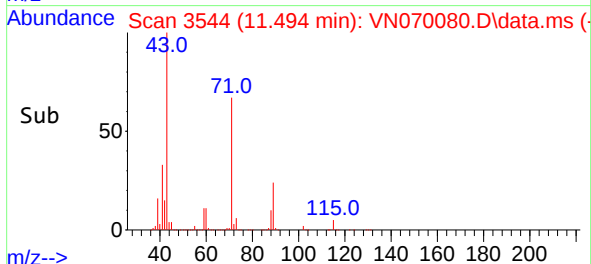
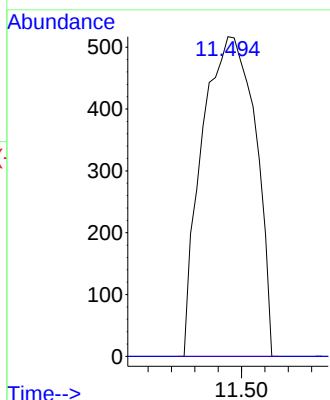


#60
Dibromochloromethane
Concen: 2.422 ug/l
RT: 11.494 min Scan# 311
Delta R.T. 0.254 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

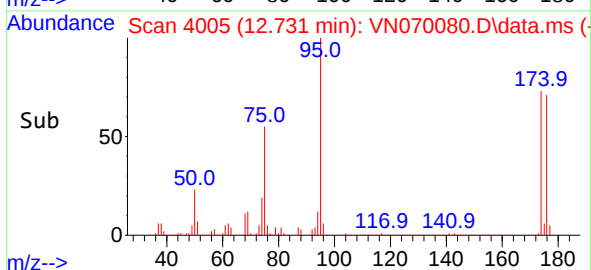
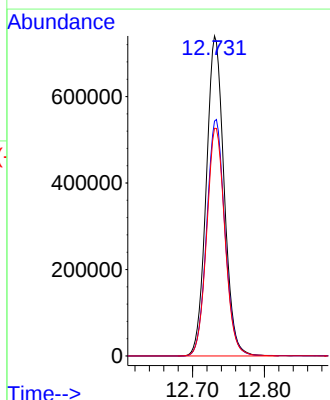
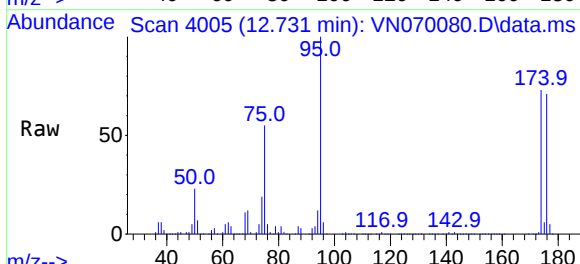


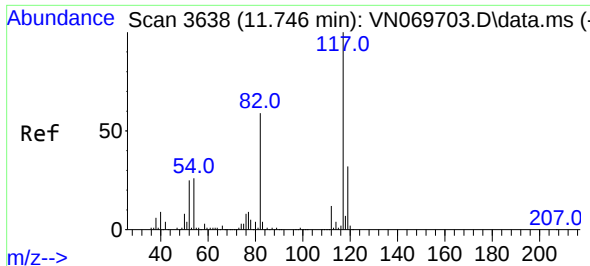
Tgt Ion:129 Resp: 819
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 63.820 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

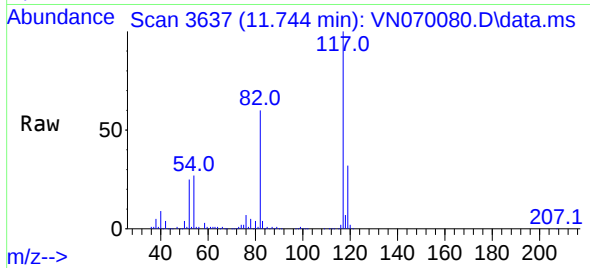
Tgt Ion: 95 Resp: 1275937
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.7 0.0 181.4





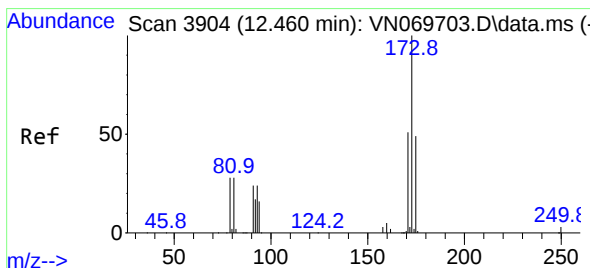
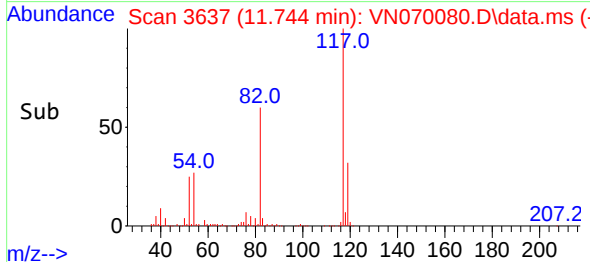
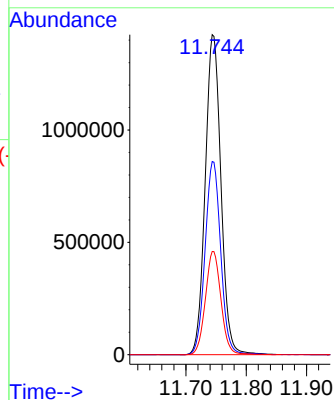
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2580583

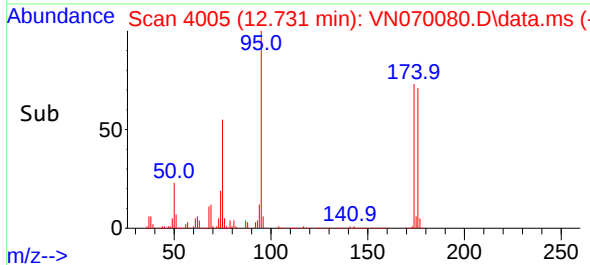
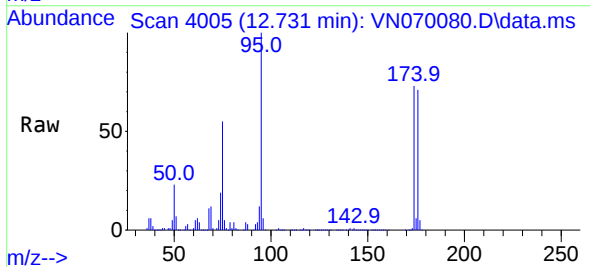
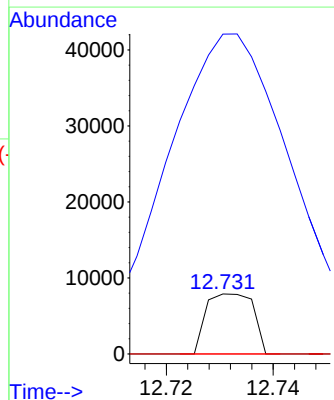
Ion	Ratio	Lower	Upper
117	100		
82	60.3	42.4	63.6
119	32.2	25.4	38.2

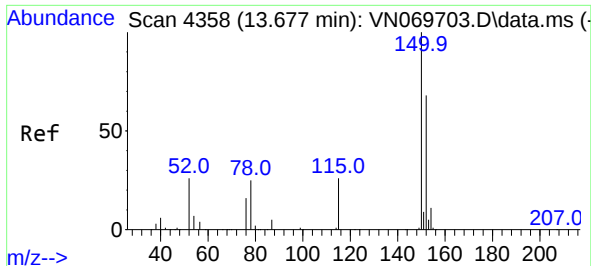


#71
Bromoform
Concen: 3.021 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Tgt Ion:173 Resp: 4840

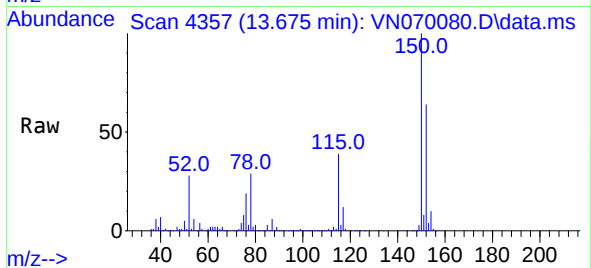
Ion	Ratio	Lower	Upper
173	100		
175	1419.2	24.2	72.6#
254	0.0	0.0	0.0



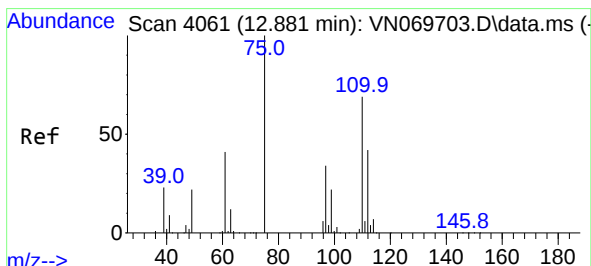
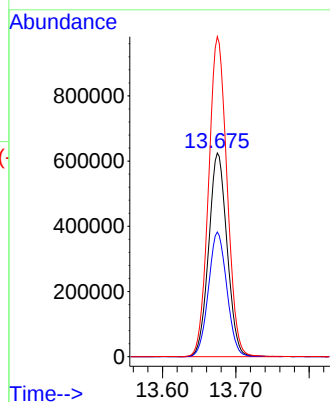
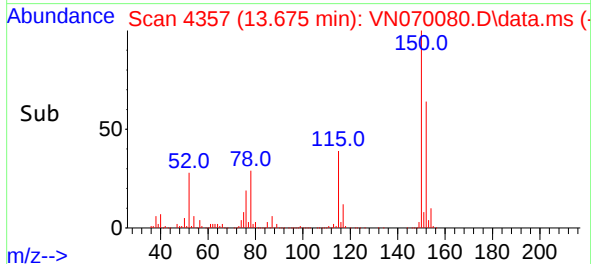


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

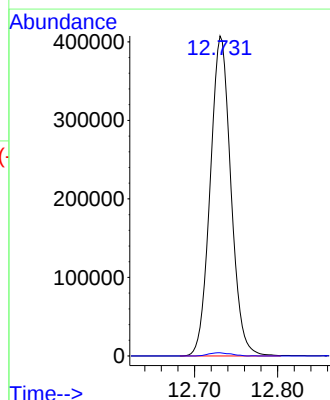
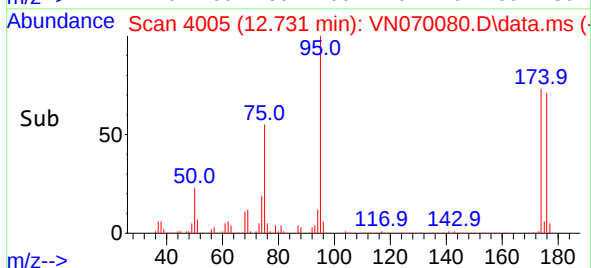
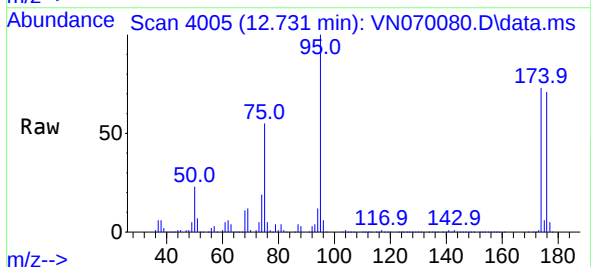


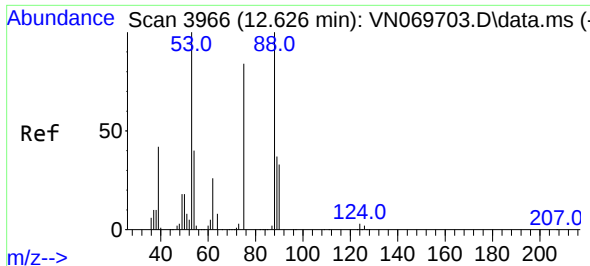
Tgt Ion:152 Resp: 1087117
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 22.581 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

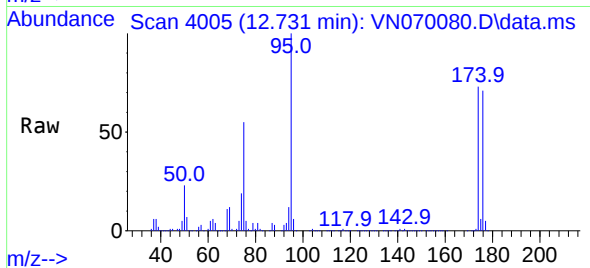
Tgt Ion: 75 Resp: 703983
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



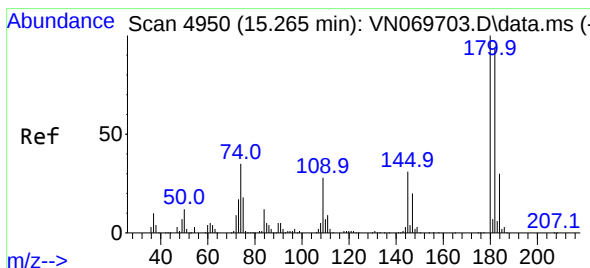
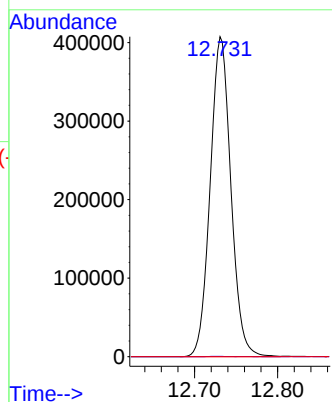
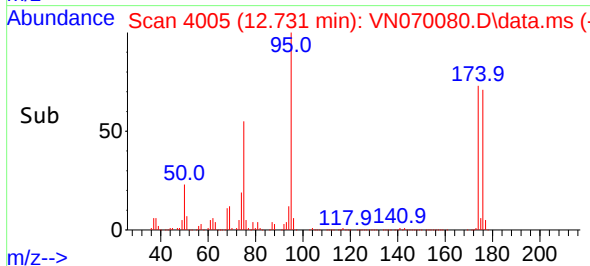


#81
trans-1,4-Dichloro-2-butene
Concen: 71.963 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

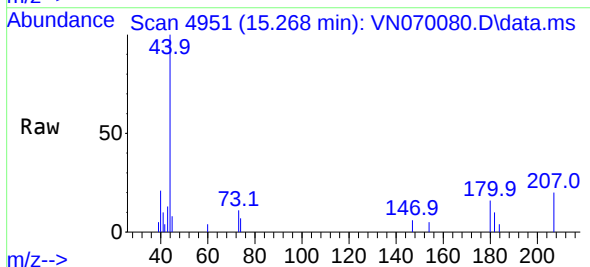
Instrument :
MSVOA_N
ClientSampleId :



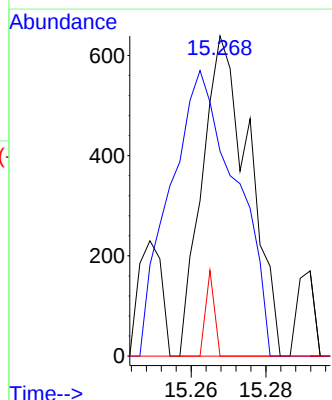
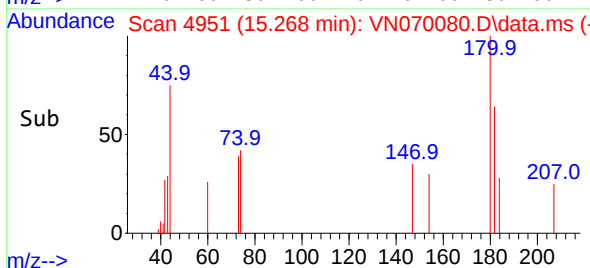
Tgt Ion: 75 Resp: 703983
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

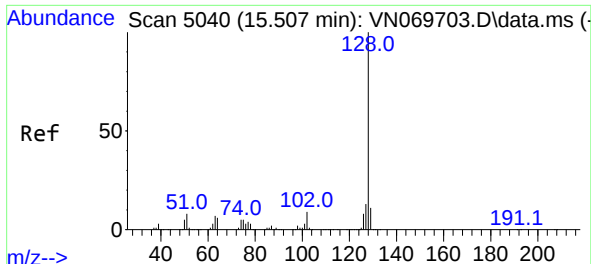


#93
1,2,4-Trichlorobenzene
Concen: 2.907 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15



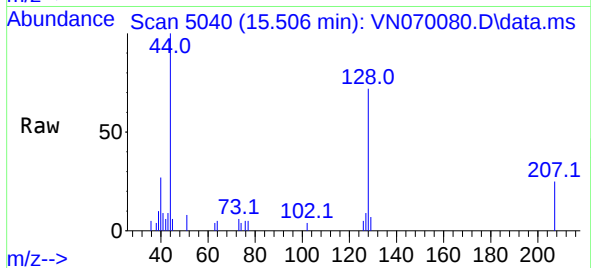
Tgt Ion:180 Resp: 559
Ion Ratio Lower Upper
180 100
182 125.4 48.3 144.9
145 5.0 14.5 43.5#



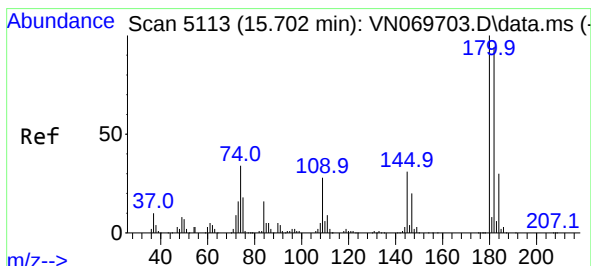
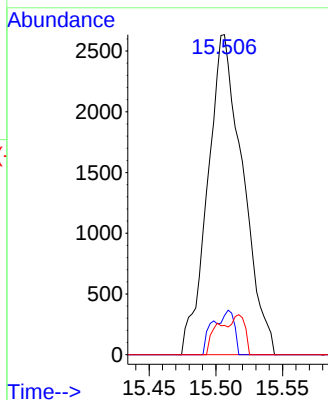
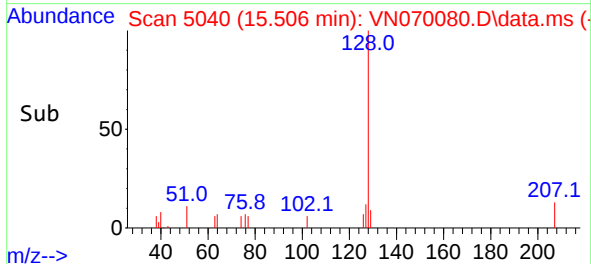


#95
Naphthalene
Concen: 4.069 ug/l
RT: 15.506 min Scan# 5040
Delta R.T. -0.001 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15

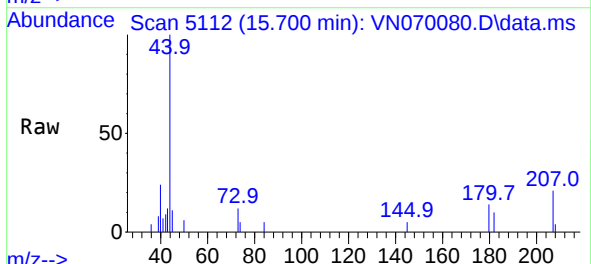
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4820
Ion Ratio Lower Upper
128 100
127 8.3 10.5 15.7#
129 4.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.469 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070080.D
Acq: 14 Dec 2021 19:15



Tgt Ion:180 Resp: 604
Ion Ratio Lower Upper
180 100
182 59.4 47.4 142.2
145 9.9 15.0 45.1#

