

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070083.D
 Acq On : 14 Dec 2021 20:31
 Operator : JC/MD
 Sample : M5018-29ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:22:43 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)

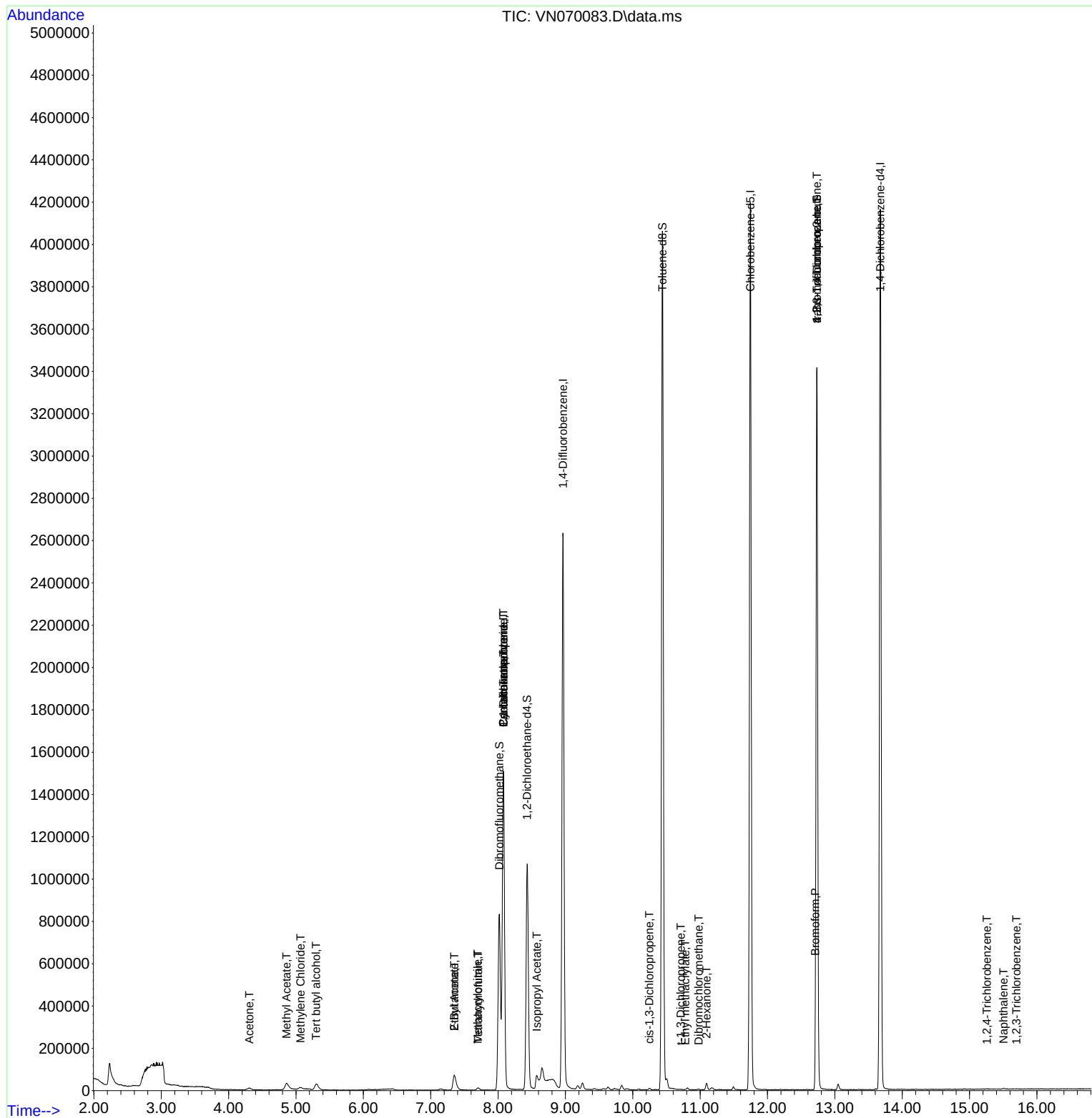
Internal Standards						
1) Pentafluorobenzene	8.080	168	1136323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	2213526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2311762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1090009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	933708	53.218	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.440%	
35) Dibromofluoromethane	8.019	113	617049	44.504	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 89.000%	
50) Toluene-d8	10.440	98	2809010	50.456	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.733	95	1172647	58.141	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 116.280%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.299	59	16511	4.979	ug/l #	72
16) Acetone	4.307	43	12090	1.146	ug/l	93
18) Methyl Acetate	4.859	43	87895	2.759	ug/l #	76
20) Methylene Chloride	5.066	84	4239	0.302	ug/l	90
25) 2-Butanone	7.351	43	149079	10.396	ug/l	91
29) Tetrahydrofuran	7.705	42	10112	1.161	ug/l #	48
31) Cyclohexane	8.078	56	30034	1.230	ug/l #	38
36) 1,1-Dichloropropene	8.078	75	98097	4.655	ug/l #	49
37) Ethyl Acetate	7.351	43	149079	4.753	ug/l #	68
38) Carbon Tetrachloride	8.080	117	117899	5.706	ug/l #	16
41) Methacrylonitrile	7.697	41	5801	0.394	ug/l #	40
43) Isopropyl Acetate	8.576	43	65312	1.407	ug/l #	55
53) t-1,3-Dichloropropene	10.711	75	131	2.799	ug/l #	31
54) cis-1,3-Dichloropropene	10.245	75	426	2.014	ug/l #	32
56) Ethyl methacrylate	10.781	69	127	2.283	ug/l #	1
59) 2-Hexanone	11.095	43	6828	0.300	ug/l #	55
60) Dibromochloromethane	10.979	129	58	2.379	ug/l #	11
71) Bromoform	12.709	173	170	2.742	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	651967	20.857	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	651967	66.779	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	496	2.904	ug/l #	72
95) Naphthalene	15.504	128	4047	4.055	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.697	180	366	2.456	ug/l #	82

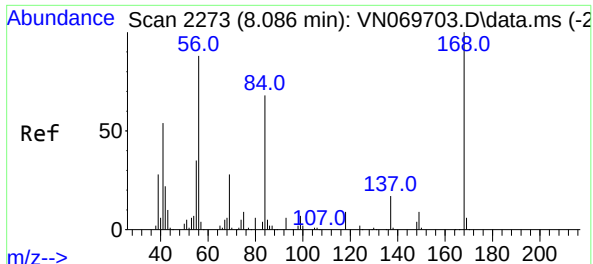
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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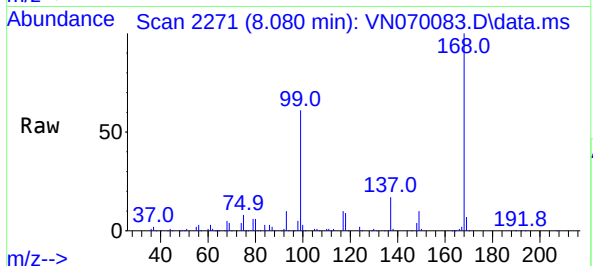
Quant Time: Dec 15 05:22:43 2021
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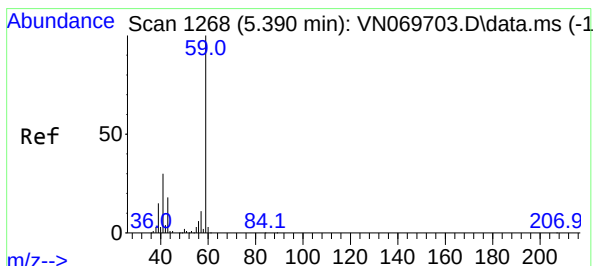
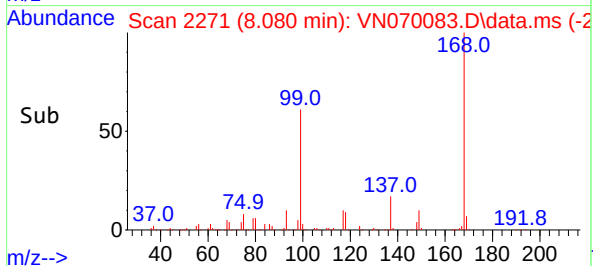
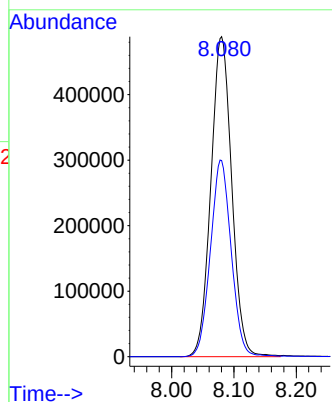


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Instrument :
MSVOA_N
ClientSampleId :

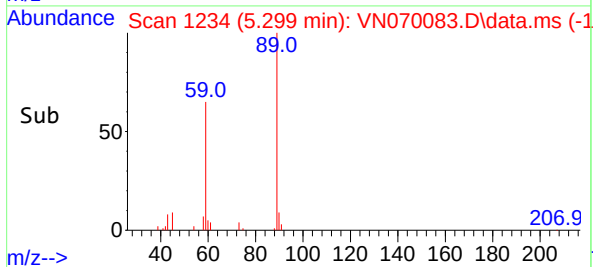
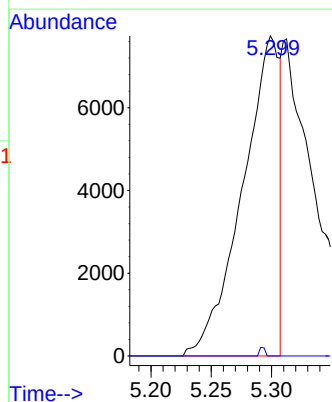
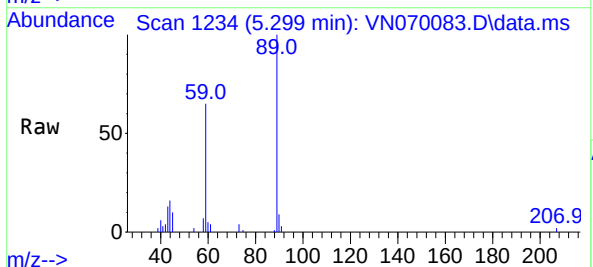


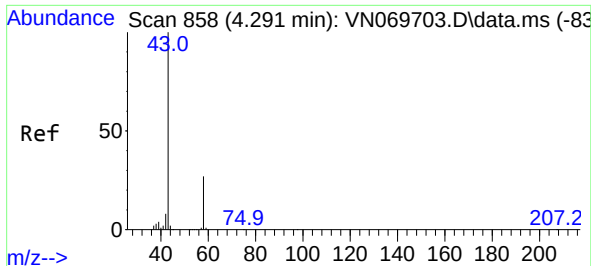
Tgt Ion:168 Resp: 1136323
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 4.979 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.091 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion: 59 Resp: 16511
Ion Ratio Lower Upper
59 100
57 0.4 8.7 13.1#

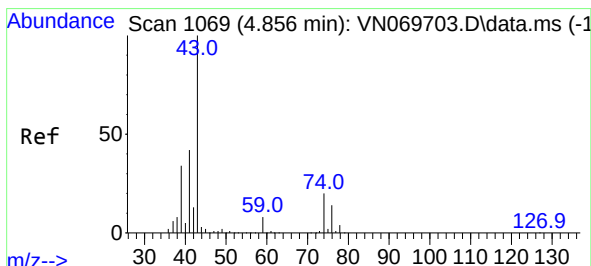
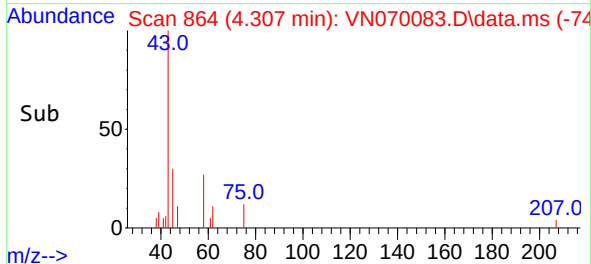
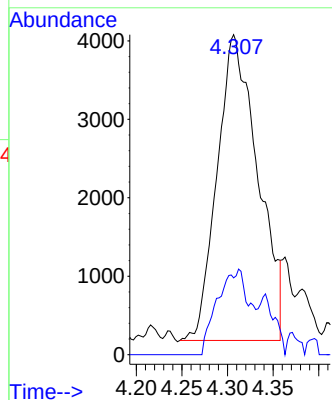
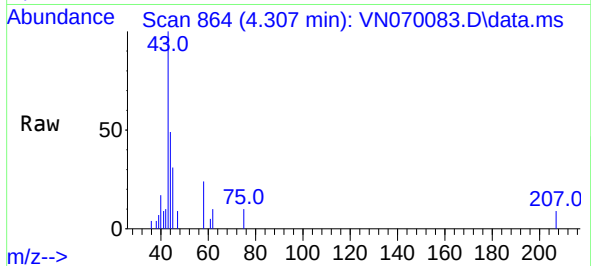




#16
Acetone
Concen: 1.146 ug/l
RT: 4.307 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

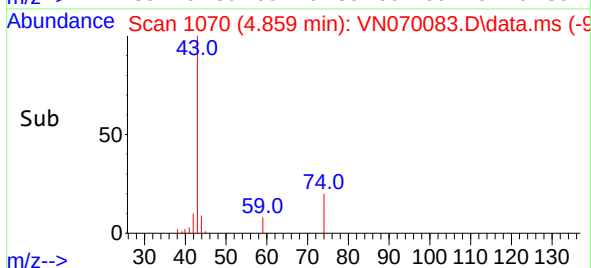
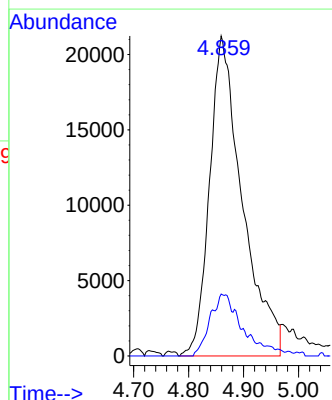
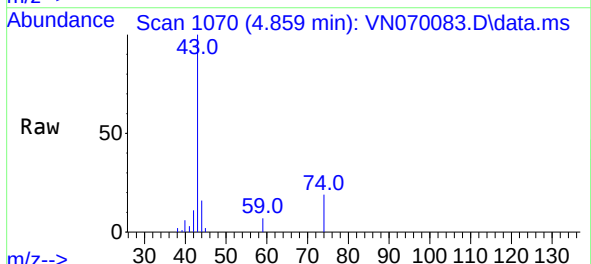
Instrument :
MSVOA_N
ClientSampleId :

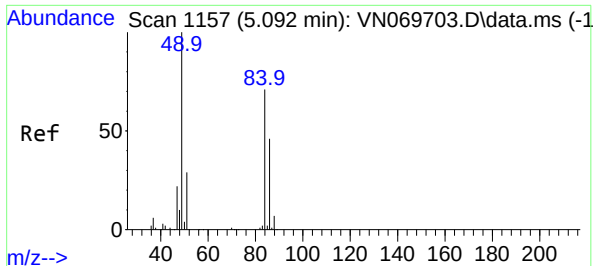
Tgt Ion: 43 Resp: 12090
Ion Ratio Lower Upper
43 100
58 25.1 23.1 34.7



#18
Methyl Acetate
Concen: 2.759 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

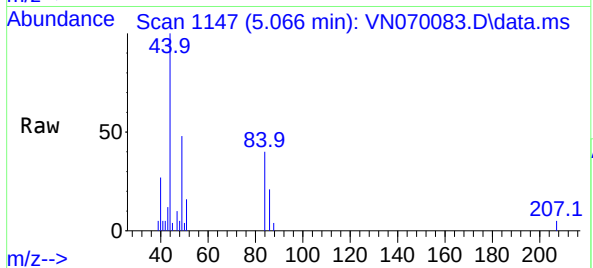
Tgt Ion: 43 Resp: 87895
Ion Ratio Lower Upper
43 100
74 12.3 19.4 29.2#





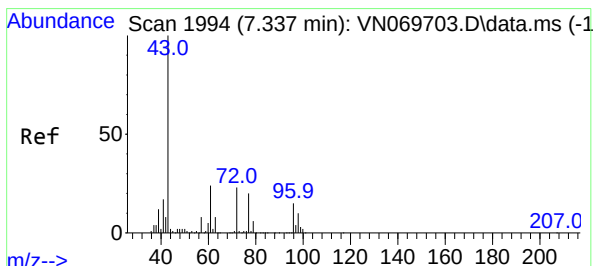
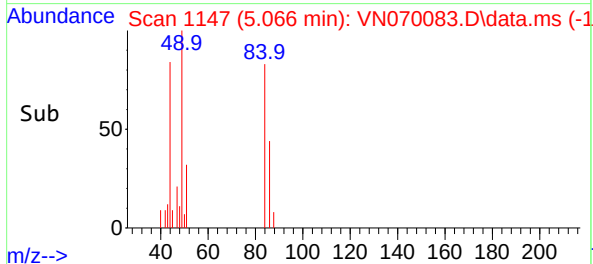
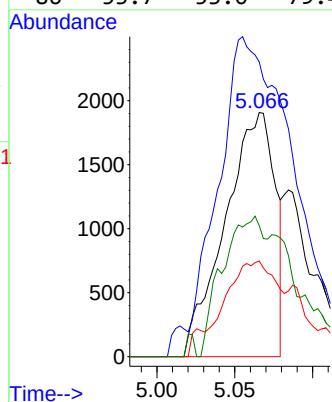
#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 5.066 min Scan# 1157
Delta R.T. -0.027 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 4239

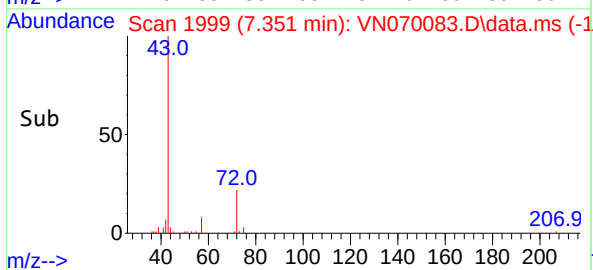
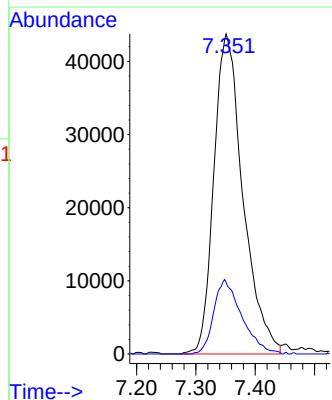
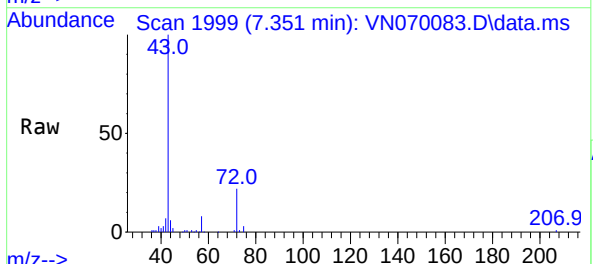
Ion	Ratio	Lower	Upper
84	100		
49	108.2	93.5	140.3
51	39.2	29.4	44.2
86	53.7	53.0	79.4

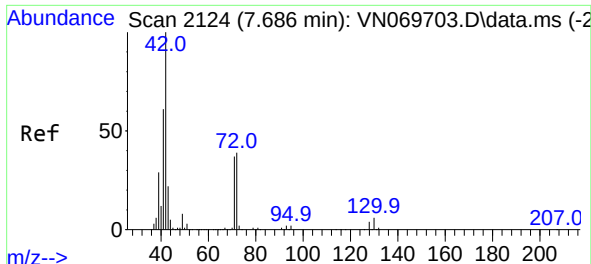


#25
2-Butanone
Concen: 10.396 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.013 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion: 43 Resp: 149079

Ion	Ratio	Lower	Upper
43	100		
72	22.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 1.161 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.019 min

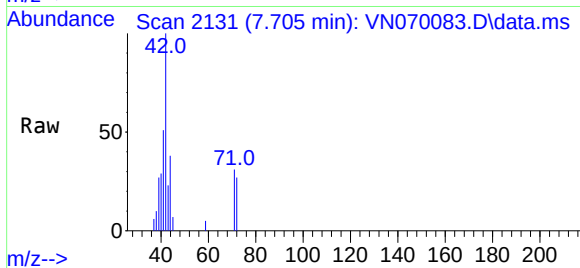
Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

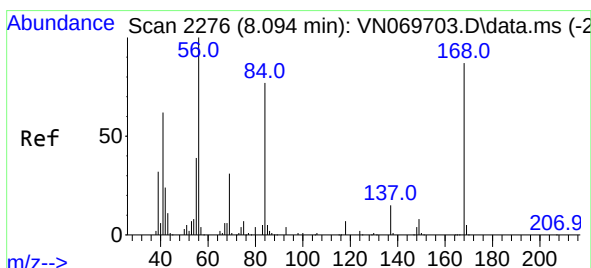
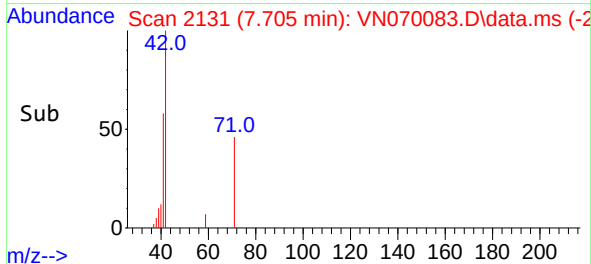
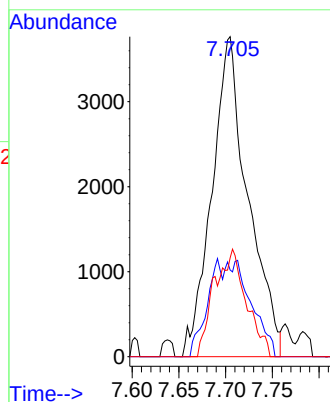
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	10112
Ion	Ratio	Lower	Upper
42	100		
72	13.3	36.3	54.5#
71	7.3	34.7	52.1#



#31

Cyclohexane

Concen: 1.230 ug/l

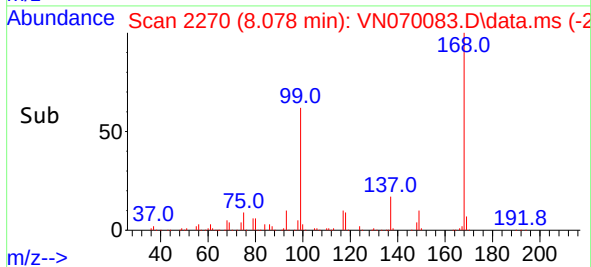
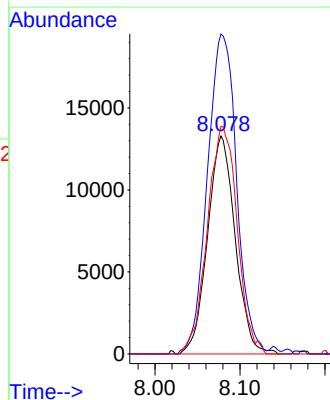
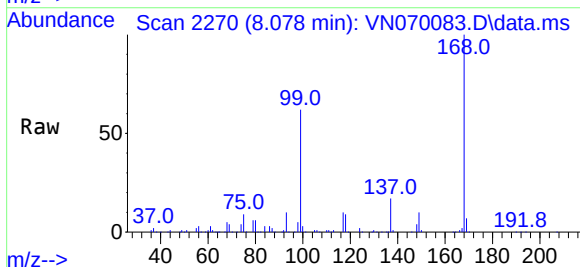
RT: 8.078 min Scan# 2270

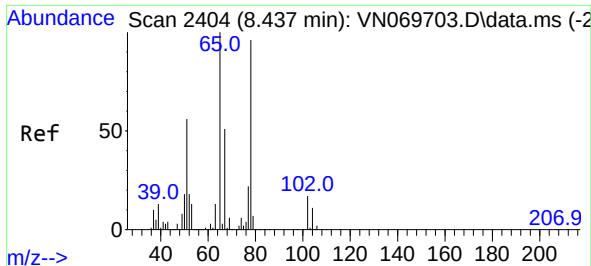
Delta R.T. -0.016 min

Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

Tgt Ion:	56	Resp:	30034
Ion	Ratio	Lower	Upper
56	100		
69	145.7	27.1	40.7#
84	104.4	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 53.218 ug/l

RT: 8.432 min Scan# 24

Delta R.T. -0.005 min

Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

Instrument :

MSVOA_N

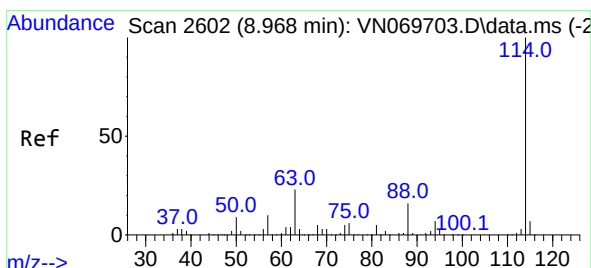
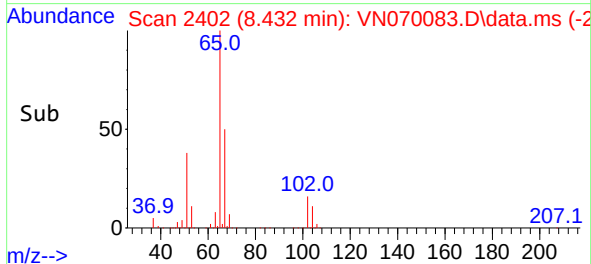
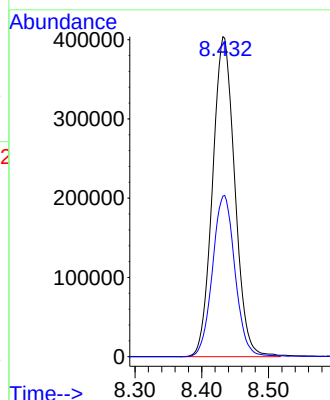
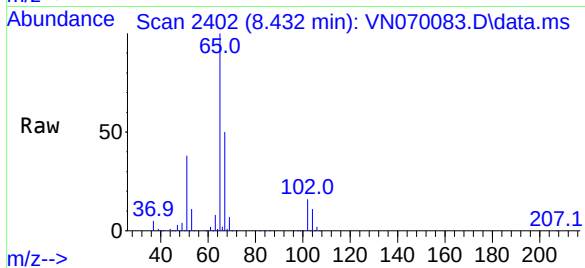
ClientSampleId :

Tgt Ion: 65 Resp: 933708

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2600

Delta R.T. -0.005 min

Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

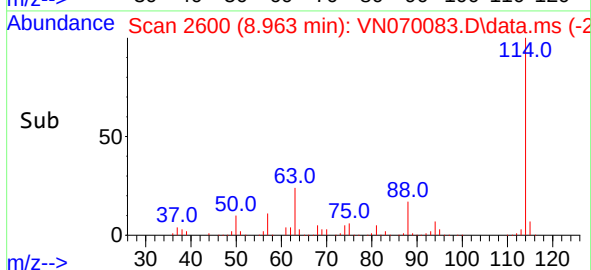
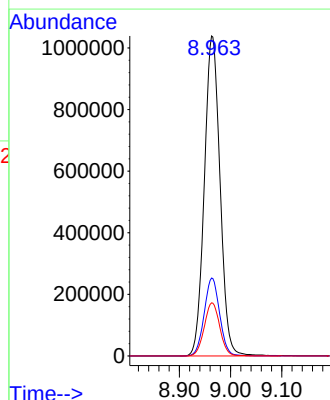
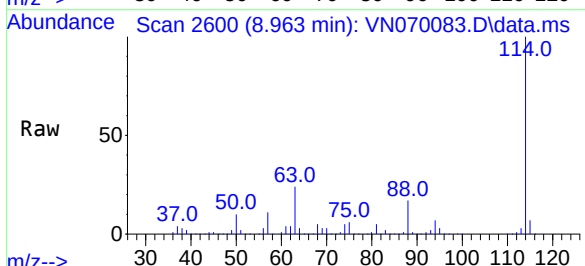
Tgt Ion: 114 Resp: 2213526

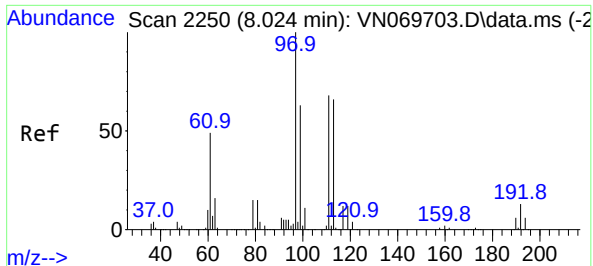
Ion Ratio Lower Upper

114 100

63 24.4 0.0 37.8

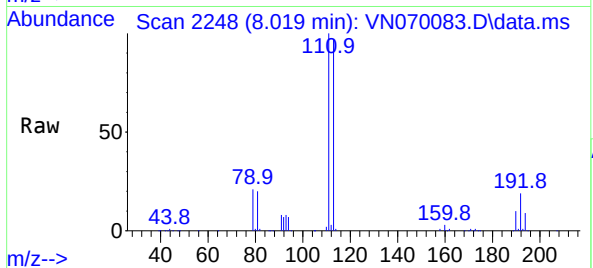
88 16.6 0.0 27.4



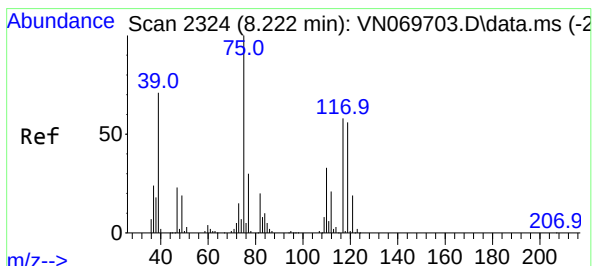
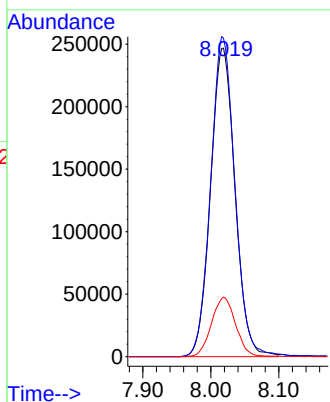
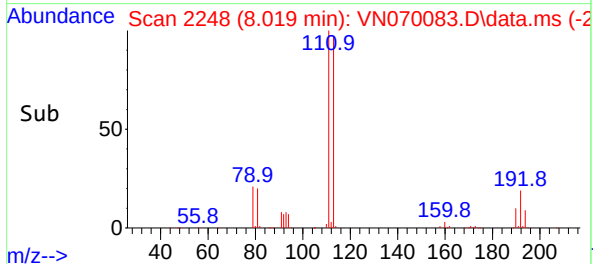


#35
Dibromofluoromethane
Concen: 44.504 ug/l
RT: 8.019 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

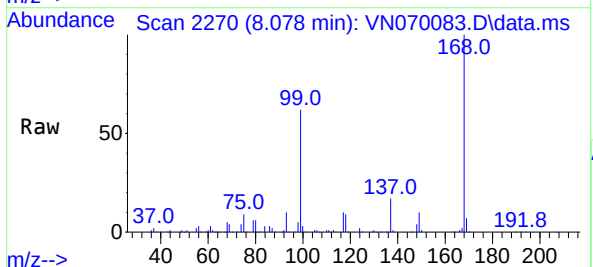
Instrument :
MSVOA_N
ClientSampleId :



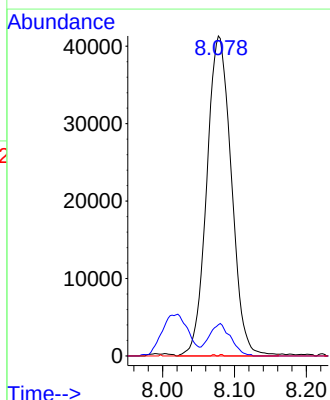
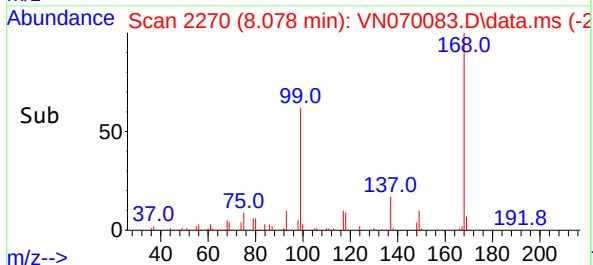
Tgt Ion:113 Resp: 617049
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.0 16.9 25.3

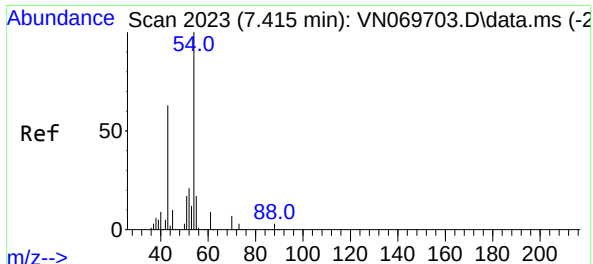


#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31



Tgt Ion: 75 Resp: 98097
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.1 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.753 ug/l

RT: 7.351 min Scan# 14

Delta R.T. -0.064 min

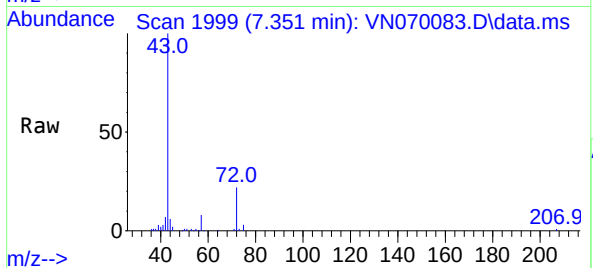
Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :



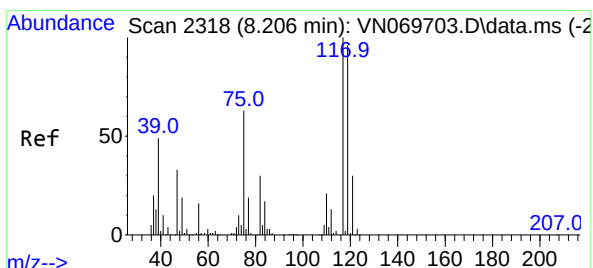
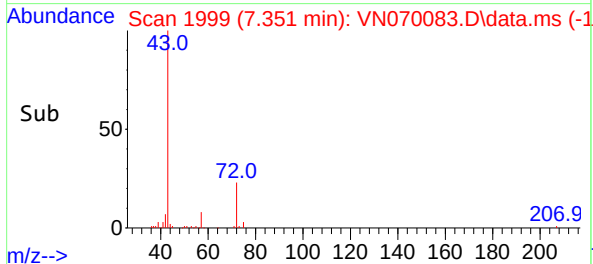
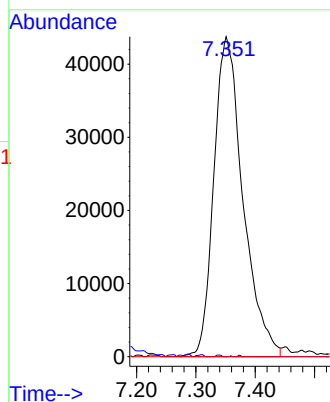
Tgt Ion: 43 Resp: 149079

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.706 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.126 min

Lab File: VN070083.D

Acq: 14 Dec 2021 20:31

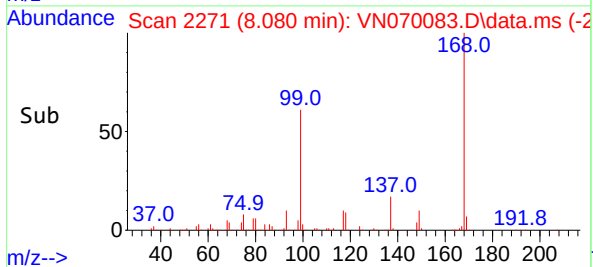
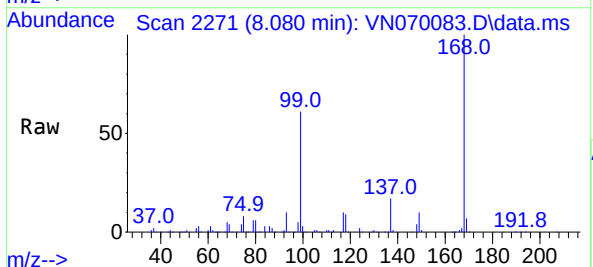
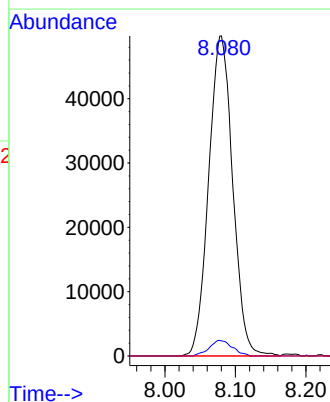
Tgt Ion: 117 Resp: 117899

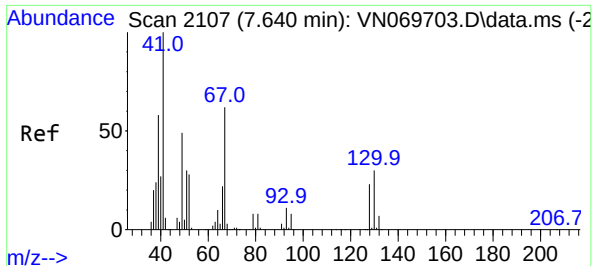
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

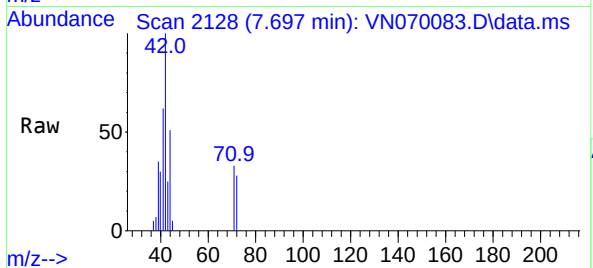
121 0.0 24.2 36.2#



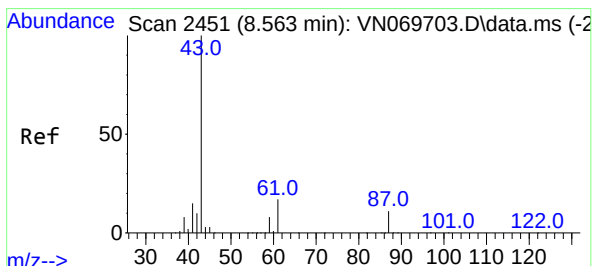
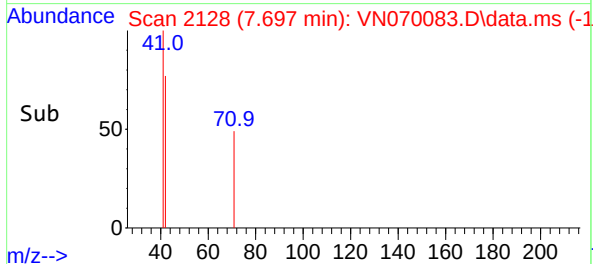
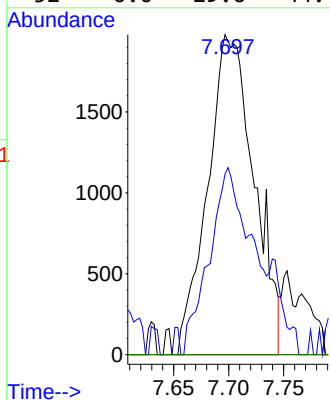


#41
Methacrylonitrile
Concen: 0.394 ug/l
RT: 7.697 min Scan# 2107
Delta R.T. 0.057 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Instrument :
MSVOA_N
ClientSampleId :

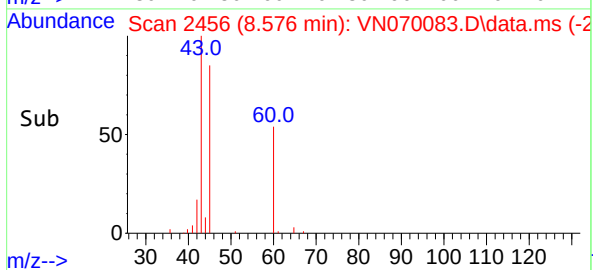
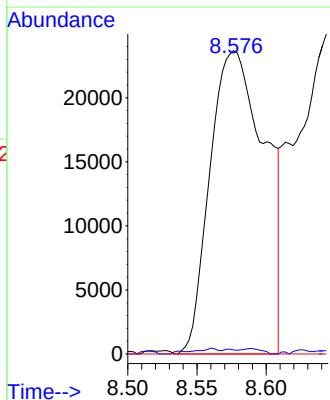
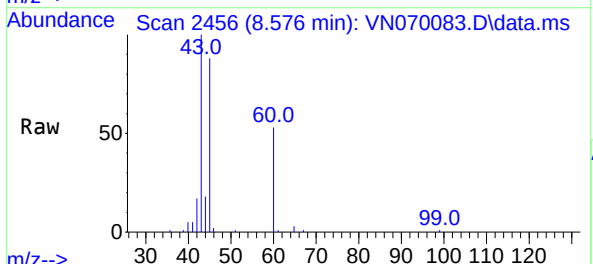


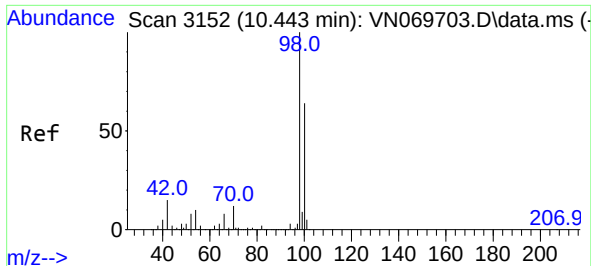
Tgt Ion: 41	Resp: 5801
Ion Ratio	Lower Upper
41 100	
39 52.5	48.1 72.1
67 0.0	68.3 102.5#
52 0.0	29.6 44.4#



#43
Isopropyl Acetate
Concen: 1.407 ug/l
RT: 8.576 min Scan# 2456
Delta R.T. 0.014 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion: 43	Resp: 65312
Ion Ratio	Lower Upper
43 100	
61 0.0	20.4 30.6#
87 0.0	11.2 16.8#

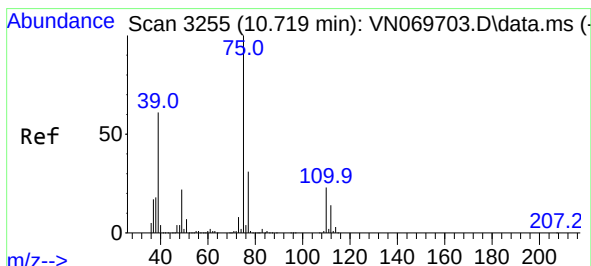
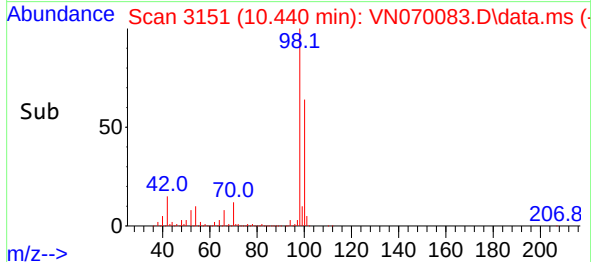
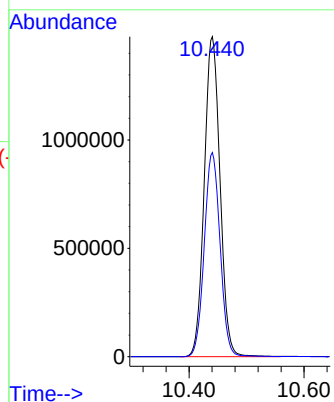
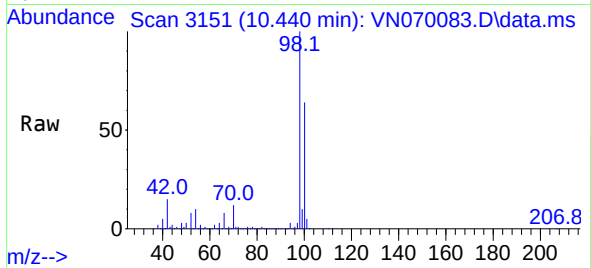




#50
Toluene-d8
Concen: 50.456 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

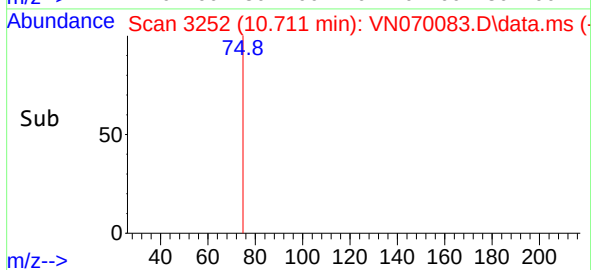
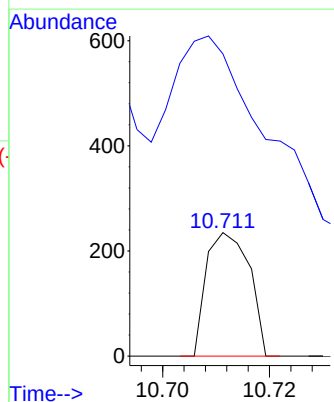
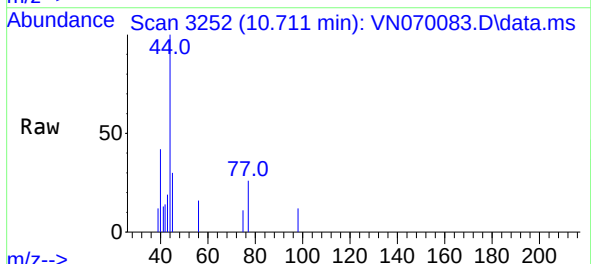
Instrument :
MSVOA_N
ClientSampleId :

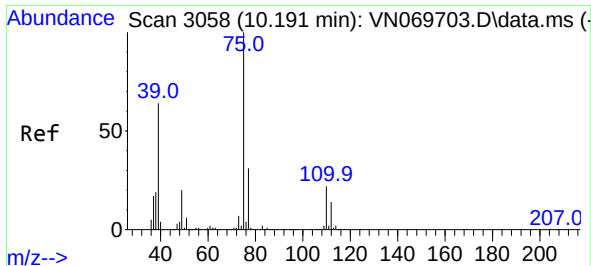
Tgt Ion: 98 Resp: 2809010
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

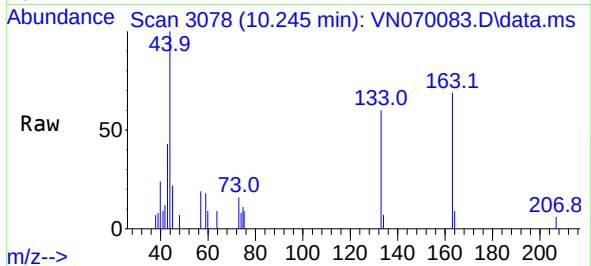
Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
77 70.6 25.6 38.4#



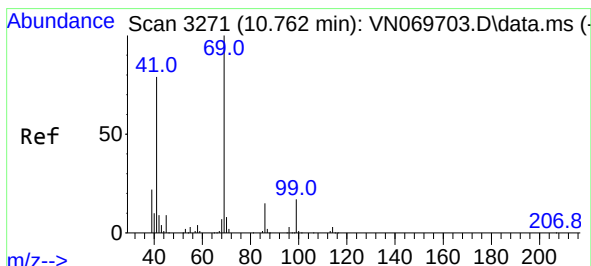
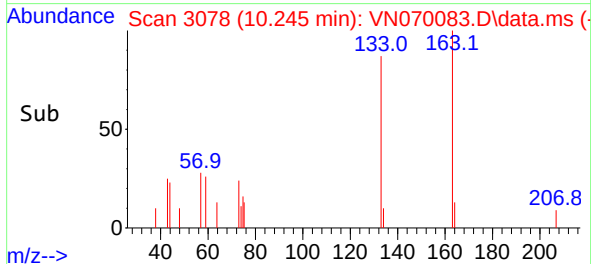
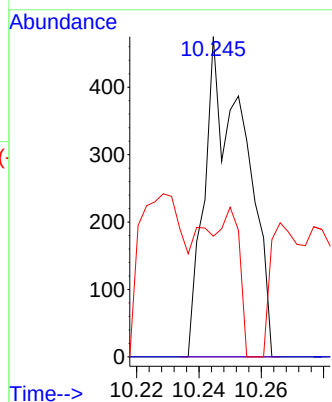


#54
 cis-1,3-Dichloropropene
 Concen: 2.014 ug/l
 RT: 10.245 min Scan# 3058
 Delta R.T. 0.054 min
 Lab File: VN070083.D
 Acq: 14 Dec 2021 20:31

Instrument :
 MSVOA_N
 ClientSampleId :

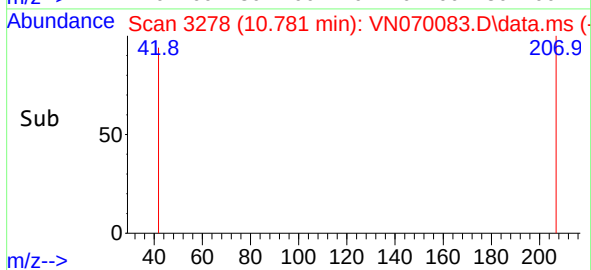
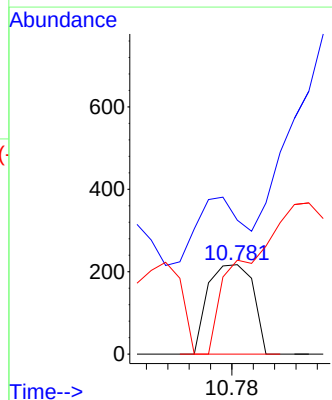
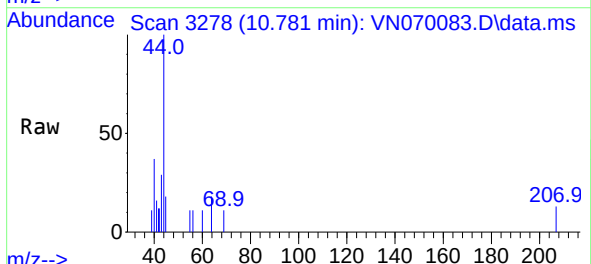


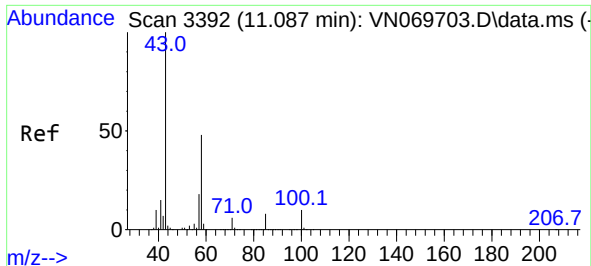
Tgt Ion: 75 Resp: 426
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.283 ug/l
 RT: 10.781 min Scan# 3278
 Delta R.T. 0.019 min
 Lab File: VN070083.D
 Acq: 14 Dec 2021 20:31

Tgt Ion: 69 Resp: 127
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 326.8 34.6 52.0#

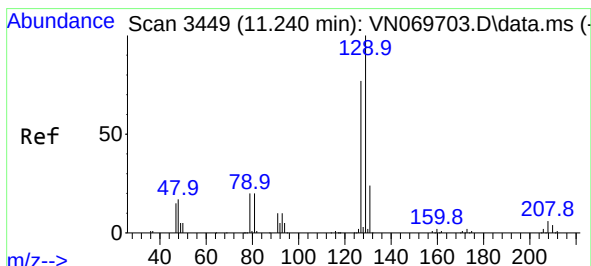
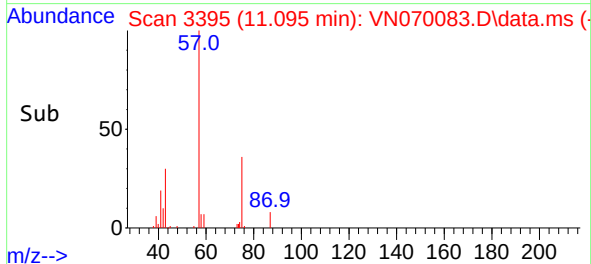
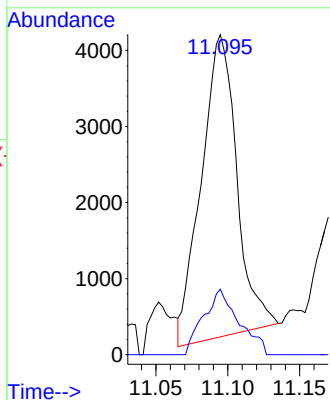
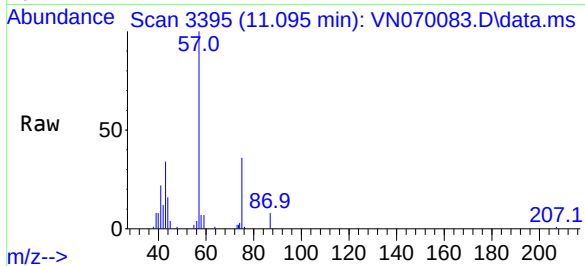




#59
2-Hexanone
Concen: 0.300 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

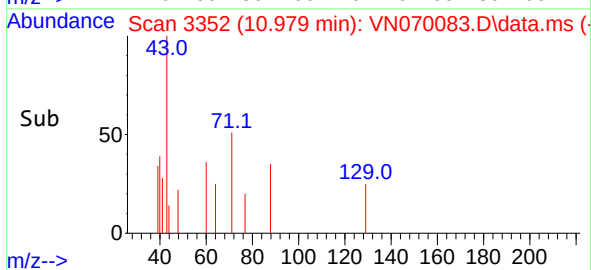
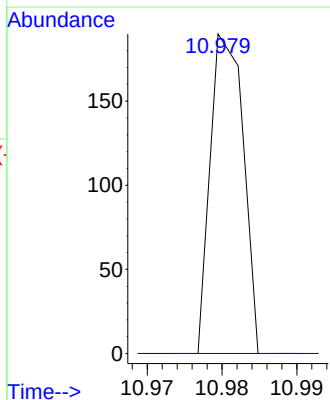
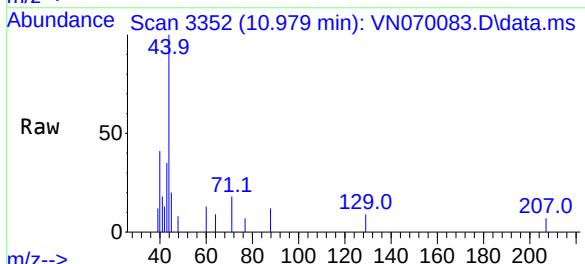
Instrument :
MSVOA_N
ClientSampleId :

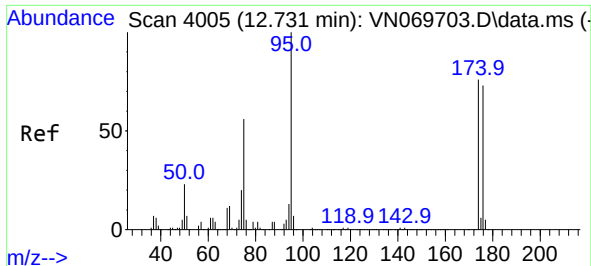
Tgt Ion: 43 Resp: 6828
Ion Ratio Lower Upper
43 100
58 21.6 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion: 129 Resp: 58
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

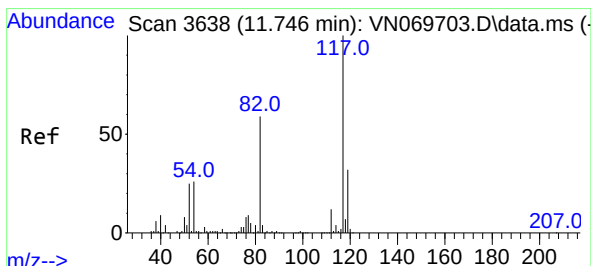
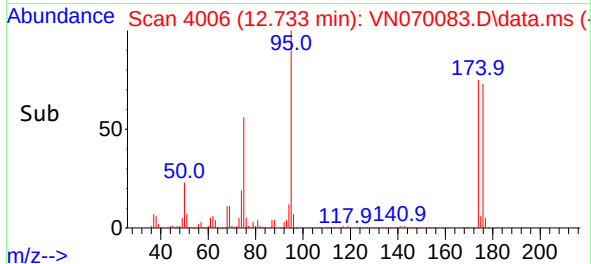
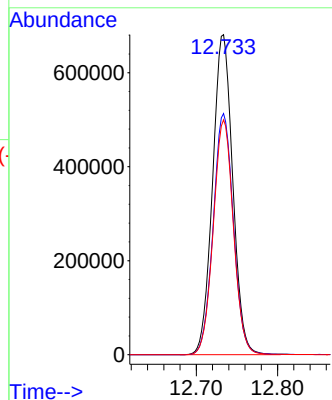
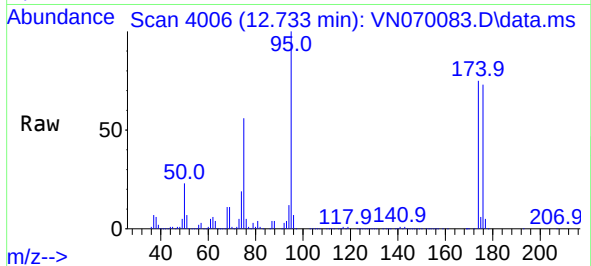




#62
4-Bromofluorobenzene
Concen: 58.141 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

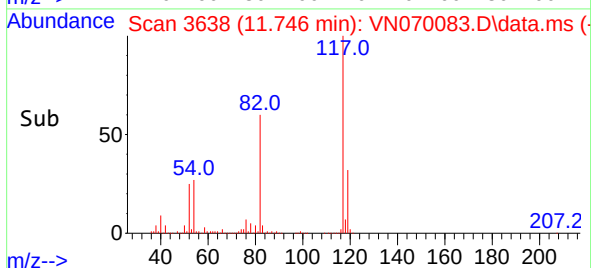
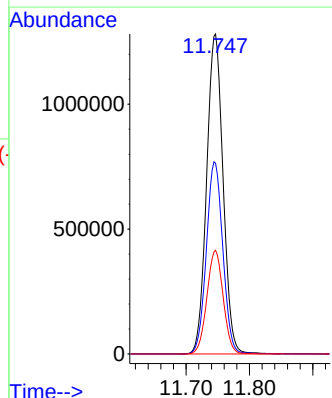
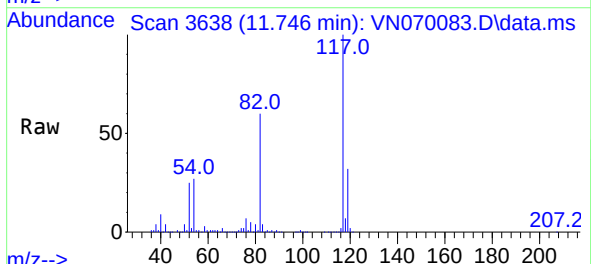
Instrument :
MSVOA_N
ClientSampleId :

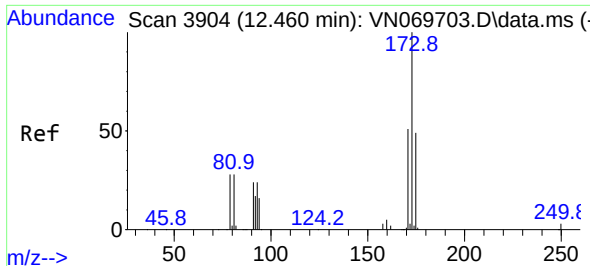
Tgt Ion: 95 Resp: 1172647
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion: 117 Resp: 2311762
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.4 25.4 38.2

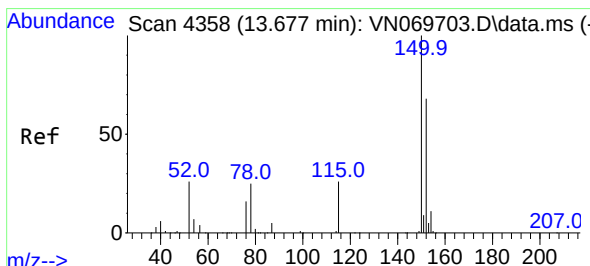
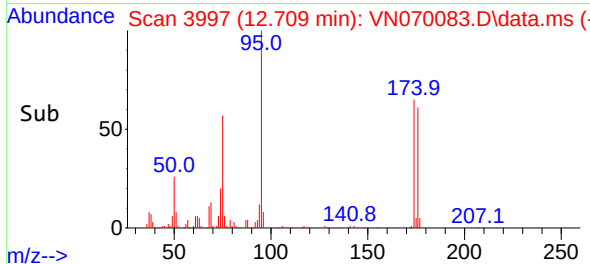
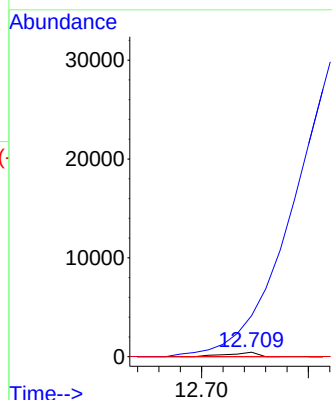
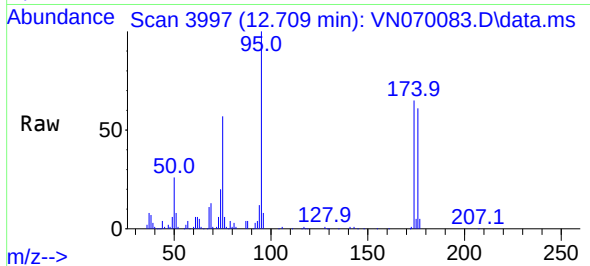




#71
Bromoform
Concen: 2.742 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

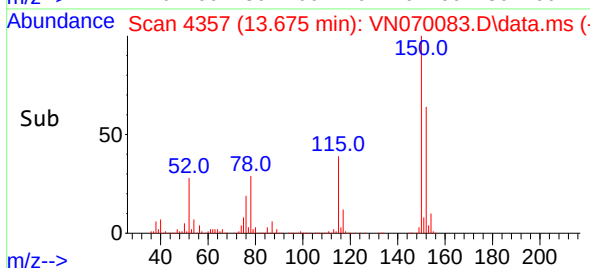
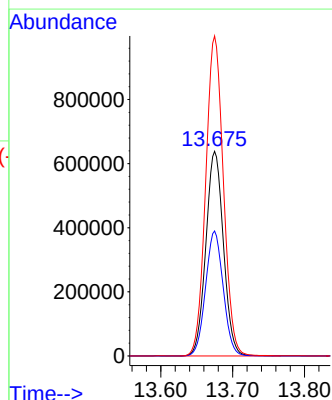
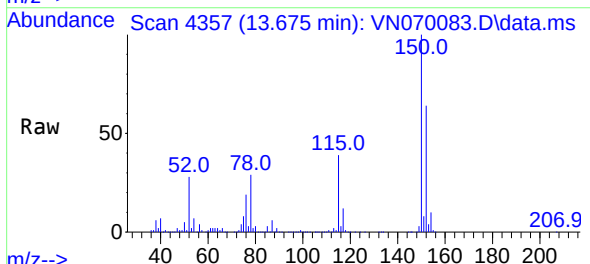
Instrument :
MSVOA_N
ClientSampleId :

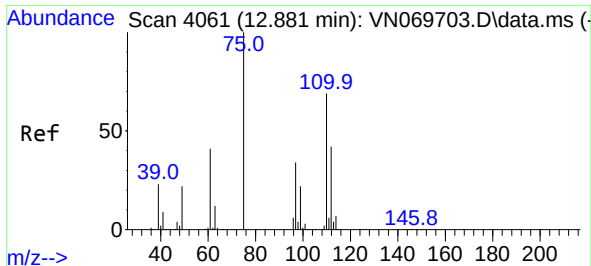
Tgt Ion:173 Resp: 170
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Tgt Ion:152 Resp: 1090009
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 156.9 0.0 344.4

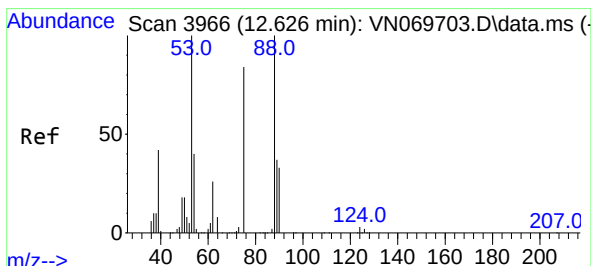
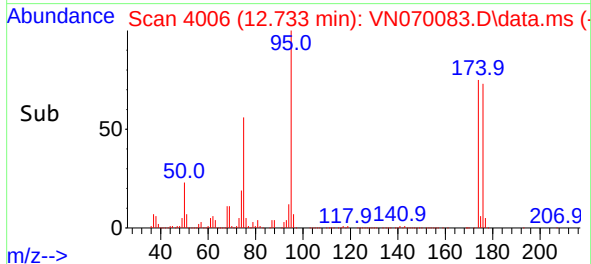
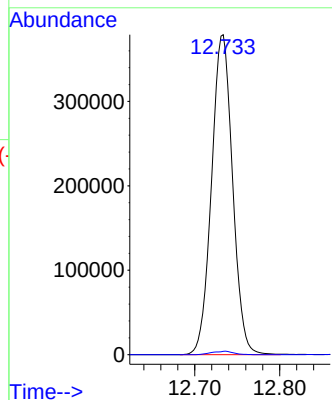
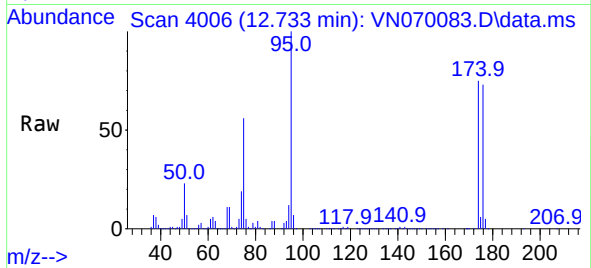




#76
1,2,3-Trichloropropane
Concen: 20.857 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

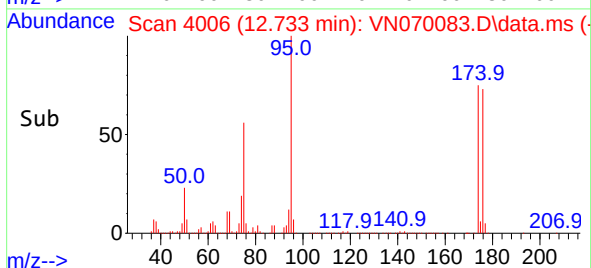
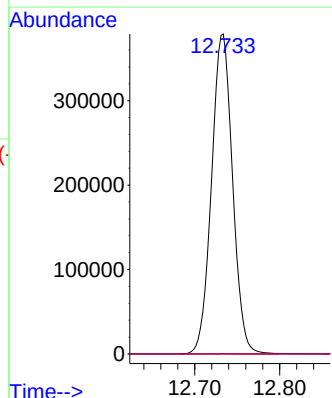
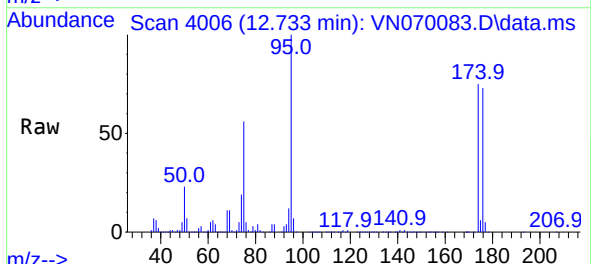
Instrument :
MSVOA_N
ClientSampleId :

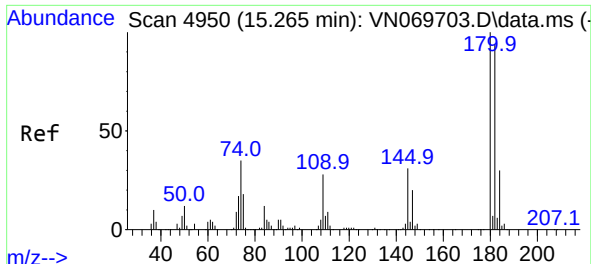
Tgt Ion: 75 Resp: 651967
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.779 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

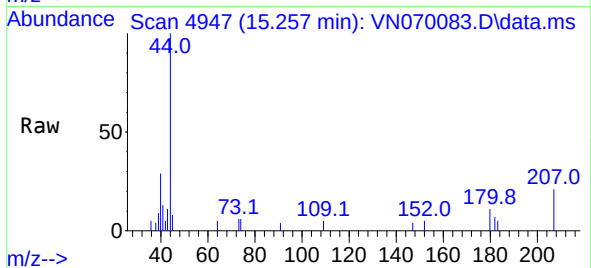
Tgt Ion: 75 Resp: 651967
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



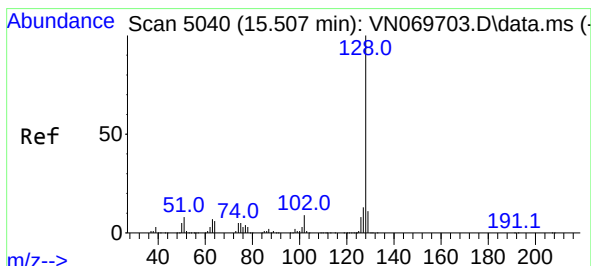
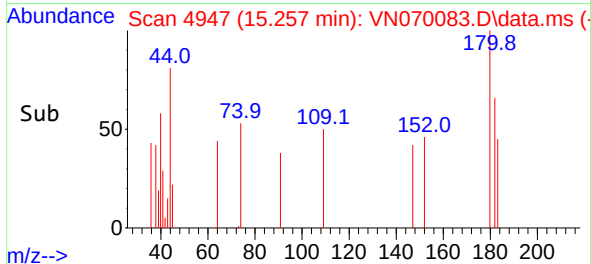
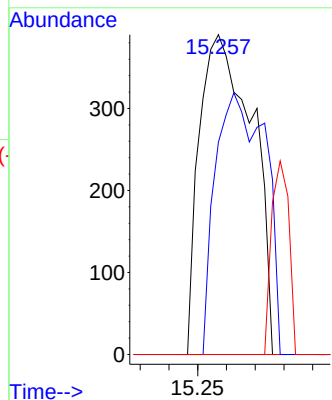


#93
1,2,4-Trichlorobenzene
Concen: 2.904 ug/l
RT: 15.257 min Scan# 4950
Delta R.T. -0.008 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

Instrument :
MSVOA_N
ClientSampleId :

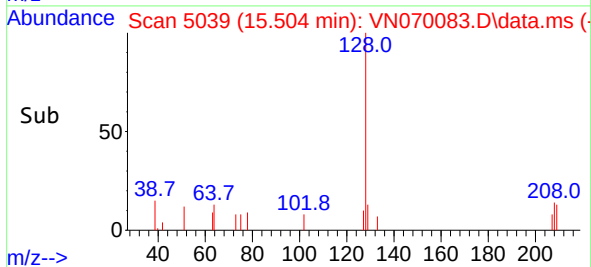
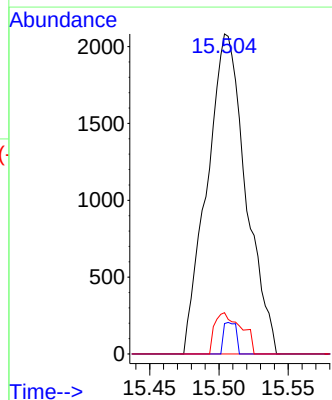
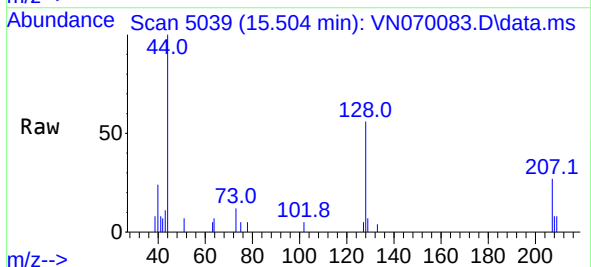


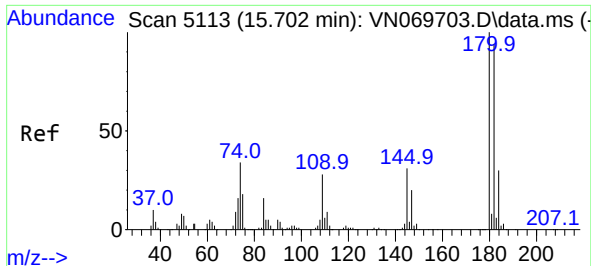
Tgt Ion:180 Resp: 496
Ion Ratio Lower Upper
180 100
182 77.2 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.055 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070083.D
Acq: 14 Dec 2021 20:31

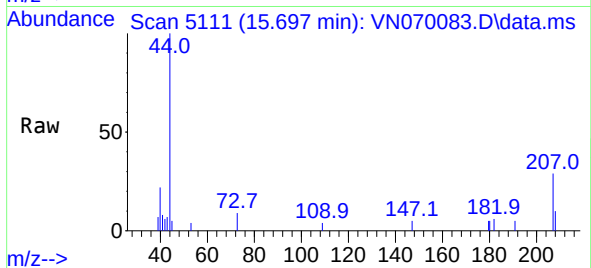
Tgt Ion:128 Resp: 4047
Ion Ratio Lower Upper
128 100
127 3.2 10.5 15.7#
129 8.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.456 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070083.D
 Acq: 14 Dec 2021 20:31

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 366
 Ion Ratio Lower Upper
 180 100
 182 89.3 47.4 142.2
 145 0.0 15.0 45.1#

