

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070351.D
 Acq On : 29 Dec 2021 16:16
 Operator : JC/MD
 Sample : M5115-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:51:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

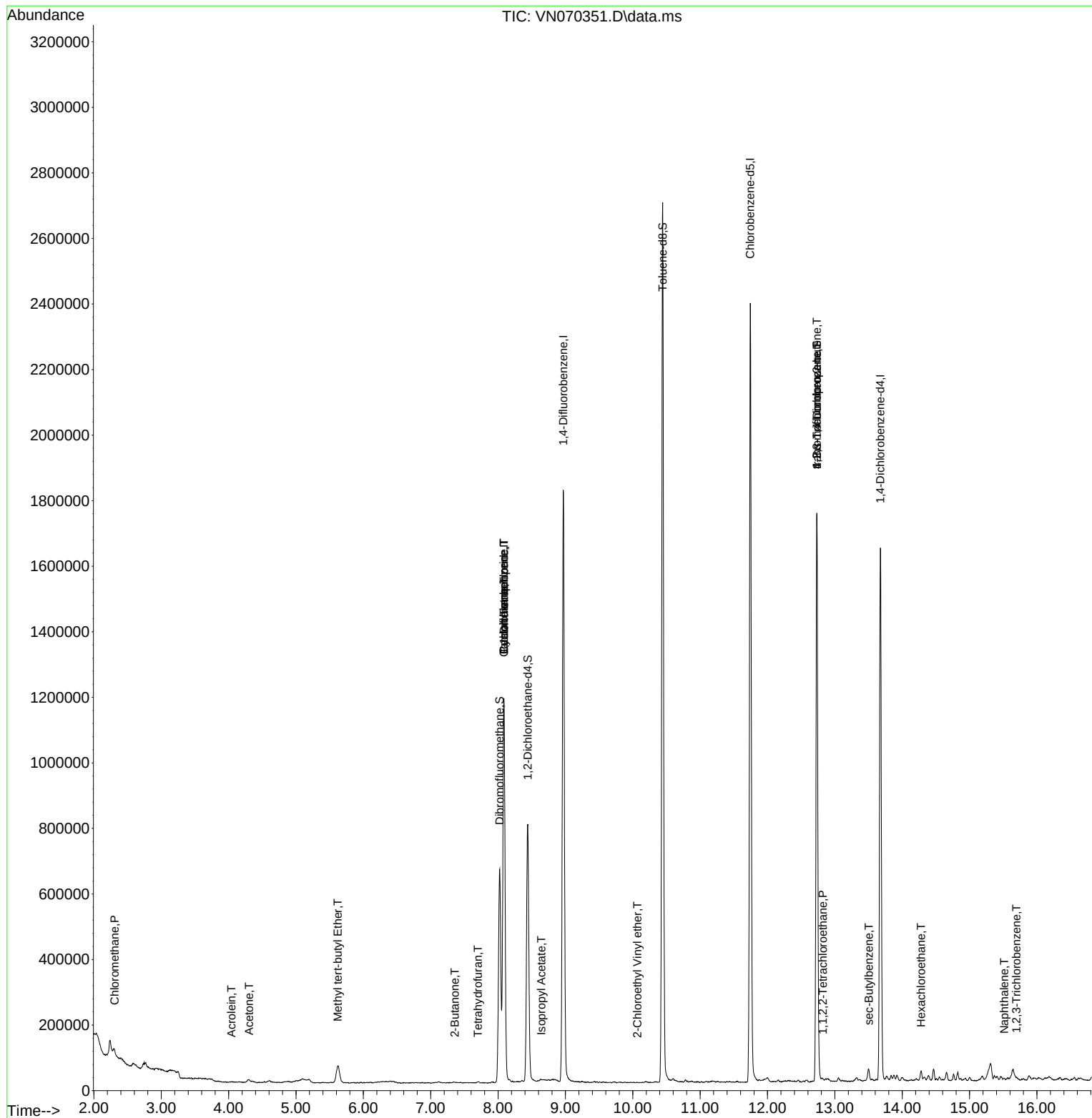
Internal Standards						
1) Pentafluorobenzene	8.086	168	898081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1531371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1372779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	456485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	682116	52.825	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.660%
35) Dibromofluoromethane	8.024	113	483446	52.177	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.360%
50) Toluene-d8	10.443	98	1829171	48.326	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.733	95	628260	45.956	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.920%
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	3309	0.239	ug/l	95
13) Acrolein	4.041	56	698	0.400	ug/l	98
16) Acetone	4.304	43	13691	1.633	ug/l	97
19) Methyl tert-butyl Ether	5.618	73	76432	2.250	ug/l	99
25) 2-Butanone	7.356	43	2312	0.219	ug/l	96
29) Tetrahydrofuran	7.699	42	1502	0.239	ug/l #	52
31) Cyclohexane	8.086	56	21947	1.077	ug/l #	15
36) 1,1-Dichloropropene	8.086	75	73330	4.784	ug/l #	50
38) Carbon Tetrachloride	8.088	117	89229	6.096	ug/l #	16
43) Isopropyl Acetate	8.643	43	8003	0.255	ug/l #	56
58) 2-Chloroethyl Vinyl ether	10.068	63	52	18.523	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.822	83	278	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	333054	26.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	333054	89.141	ug/l #	5
85) sec-Butylbenzene	13.503	105	22878	0.563	ug/l	82
90) Hexachloroethane	14.278	117	11911	2.149	ug/l #	6
95) Naphthalene	15.515	128	4653	2.013	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.697	180	579	0.905	ug/l #	1

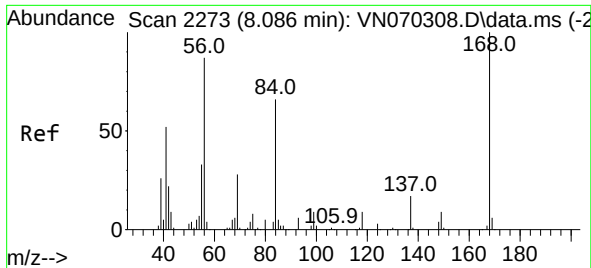
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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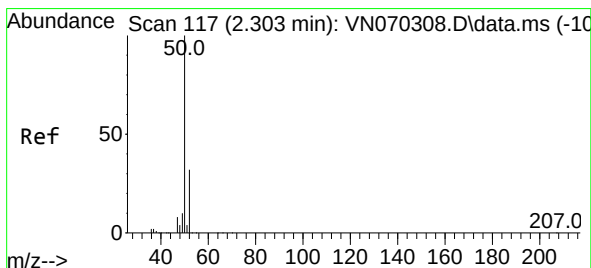
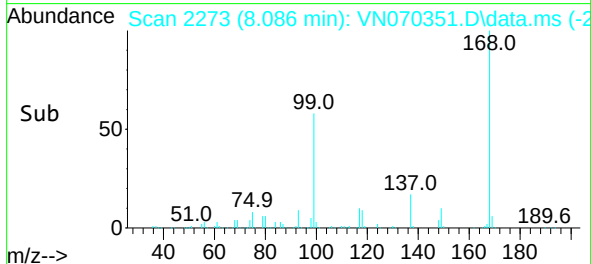
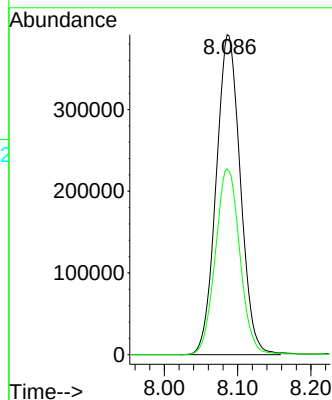
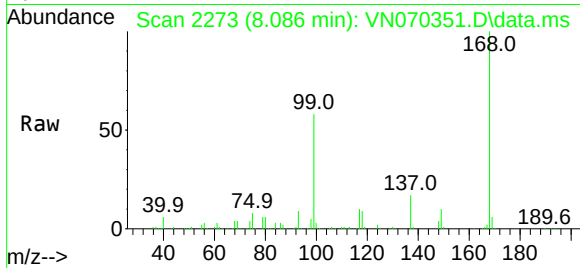




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

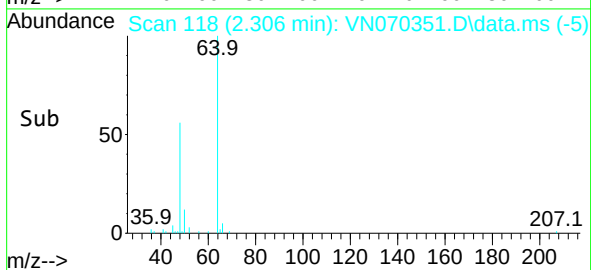
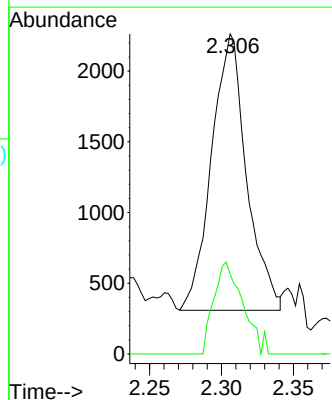
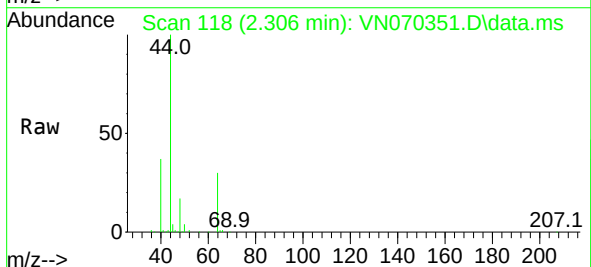
Instrument :
MSVOA_N
ClientSampleId :

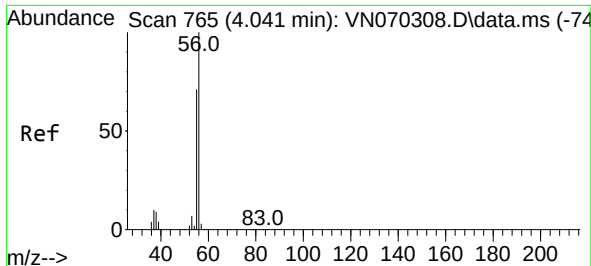
Tgt Ion:168 Resp: 898081
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

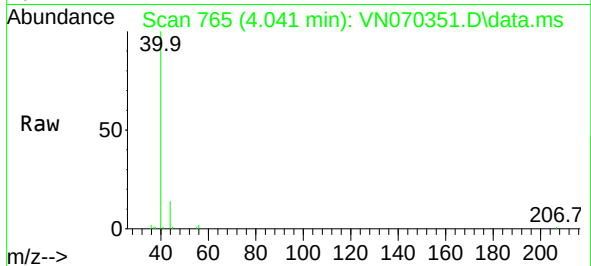
Tgt Ion: 50 Resp: 3309
Ion Ratio Lower Upper
50 100
52 29.0 25.4 38.0



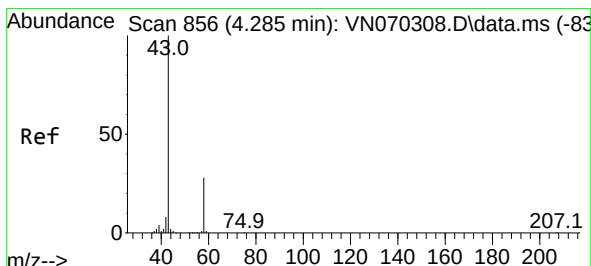
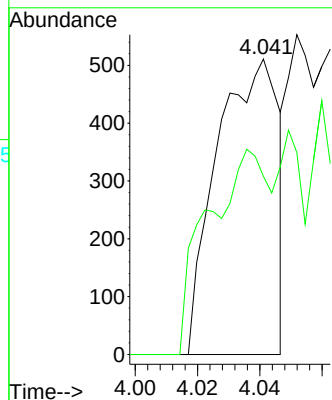
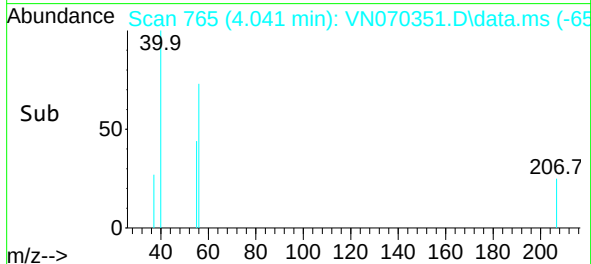


#13
Acrolein
Concen: 0.400 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

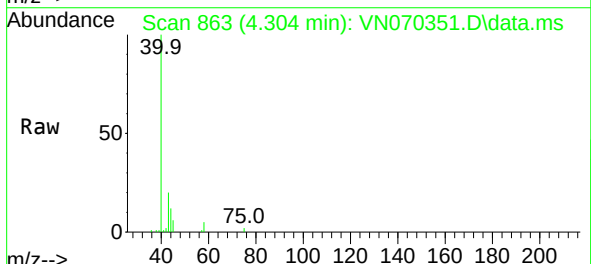
Instrument :
MSVOA_N
ClientSampleId :



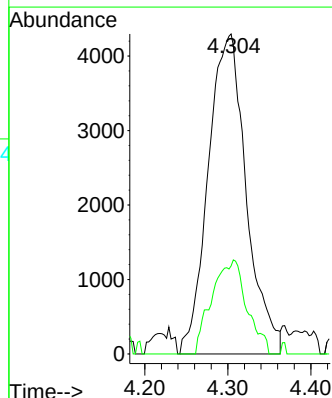
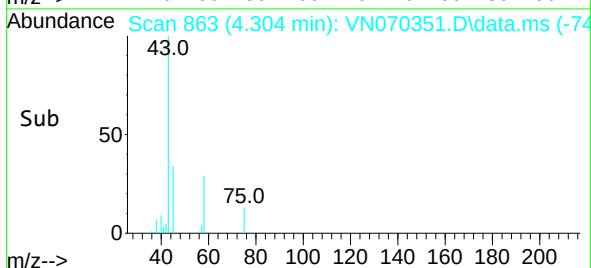
Tgt Ion: 56 Resp: 698
Ion Ratio Lower Upper
56 100
55 69.3 56.6 85.0

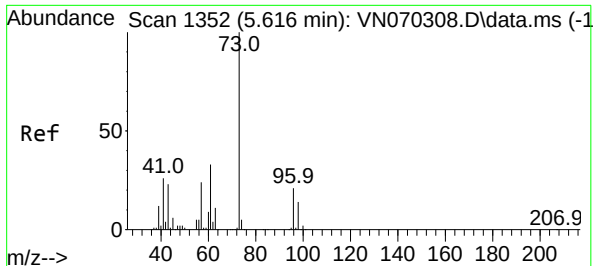


#16
Acetone
Concen: 1.633 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16



Tgt Ion: 43 Resp: 13691
Ion Ratio Lower Upper
43 100
58 27.5 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 2.250 ug/l

RT: 5.618 min Scan# 11

Delta R.T. 0.002 min

Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

Instrument :

MSVOA_N

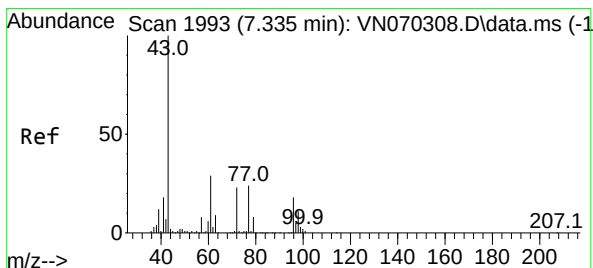
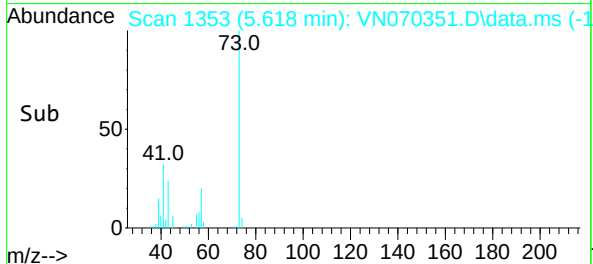
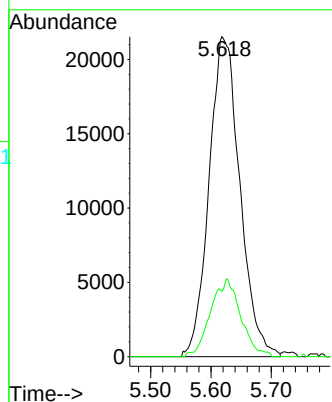
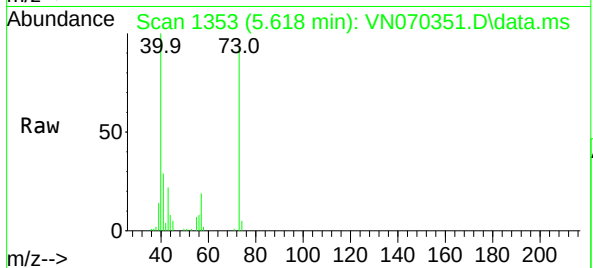
ClientSampleId :

Tgt Ion: 73 Resp: 76432

Ion Ratio Lower Upper

73 100

57 20.5 16.8 25.2



#25

2-Butanone

Concen: 0.219 ug/l

RT: 7.356 min Scan# 2001

Delta R.T. 0.021 min

Lab File: VN070351.D

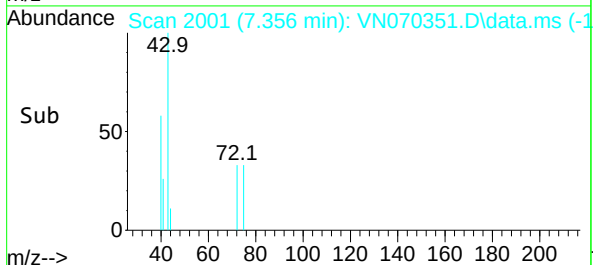
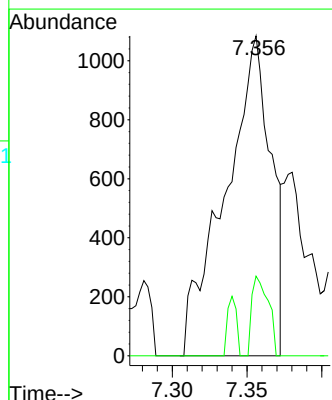
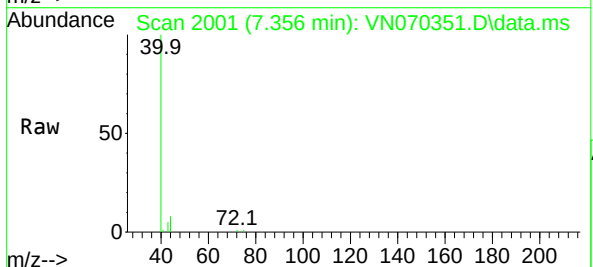
Acq: 29 Dec 2021 16:16

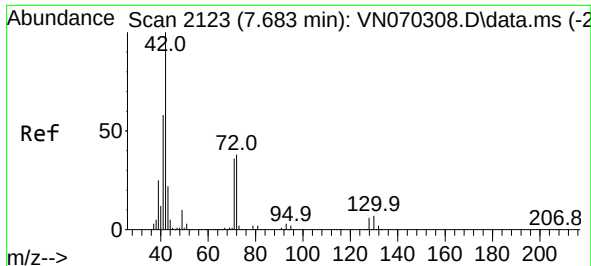
Tgt Ion: 43 Resp: 2312

Ion Ratio Lower Upper

43 100

72 24.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.699 min Scan# 2123

Delta R.T. 0.016 min

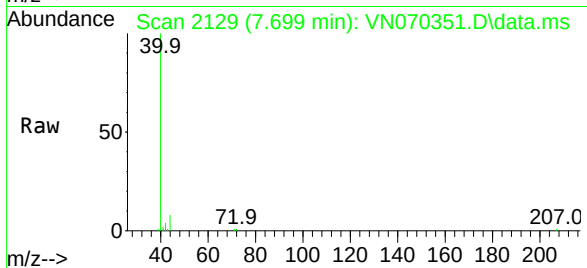
Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

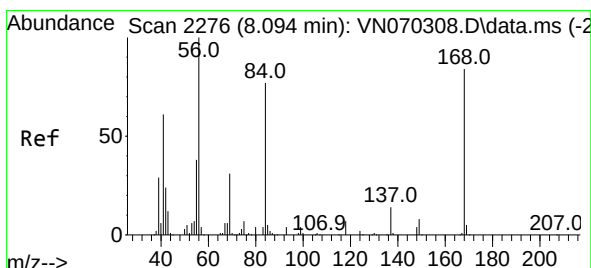
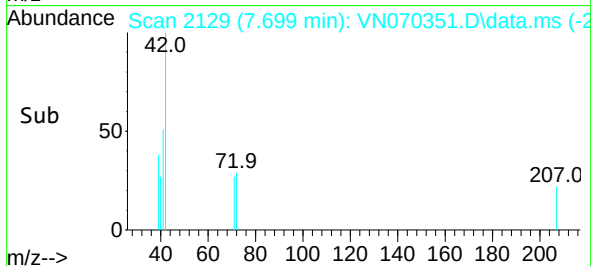
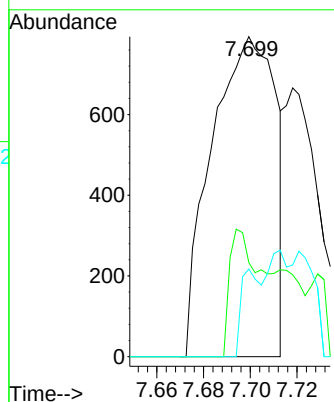
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1502
Ion Ratio	Lower	Upper	
42	100		
72	18.5	36.3	54.5#
71	8.4	34.7	52.1#



#31

Cyclohexane

Concen: 1.077 ug/l

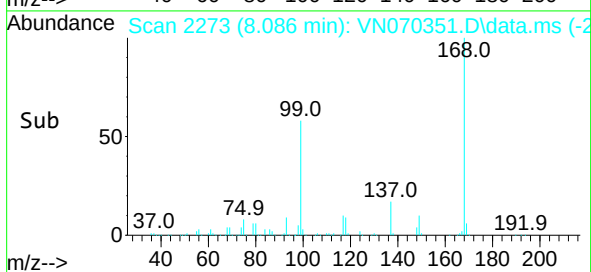
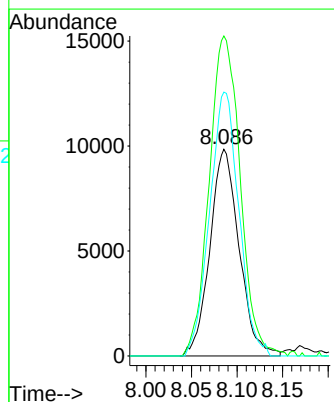
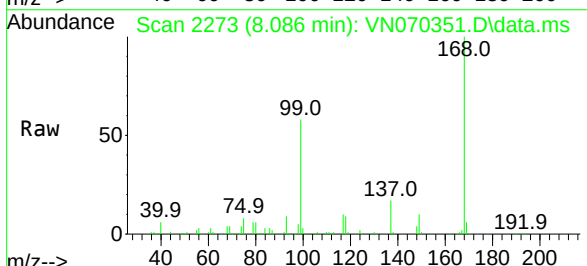
RT: 8.086 min Scan# 2273

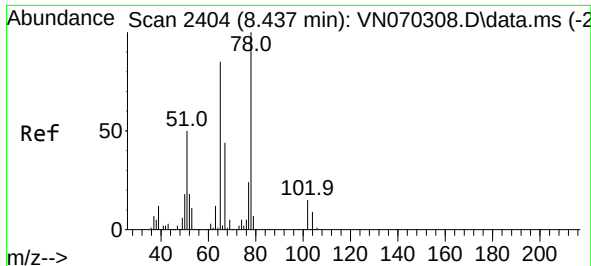
Delta R.T. -0.008 min

Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

Tgt Ion:	56	Resp:	21947
Ion Ratio	Lower	Upper	
56	100		
69	154.8	27.1	40.7#
84	127.6	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.825 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

Instrument :

MSVOA_N

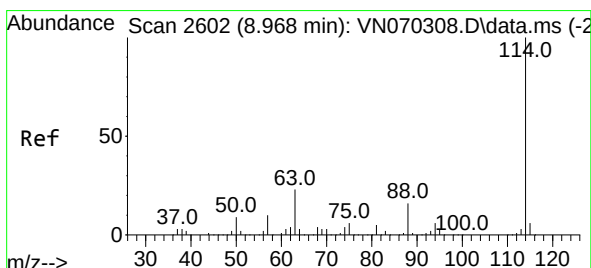
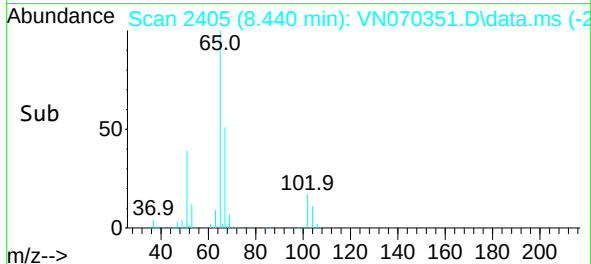
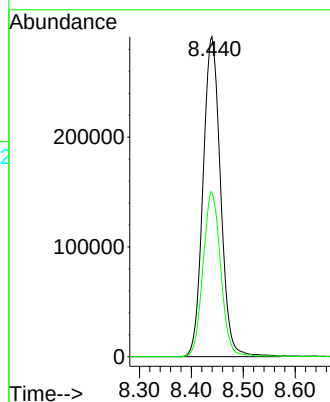
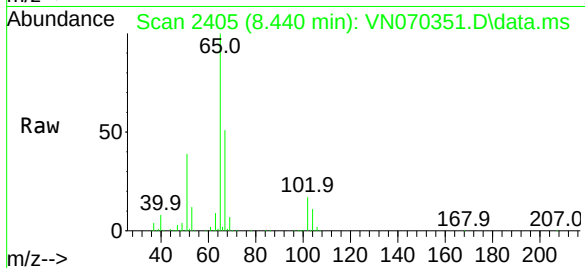
ClientSampleId :

Tgt Ion: 65 Resp: 682116

Ion Ratio Lower Upper

65 100

67 51.7 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: VN070351.D

Acq: 29 Dec 2021 16:16

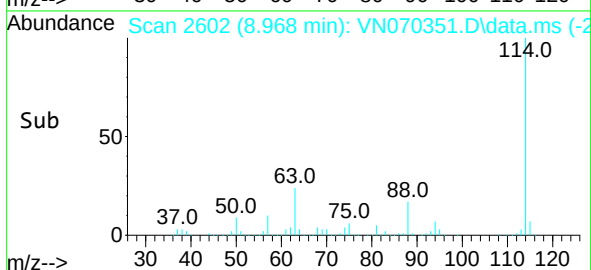
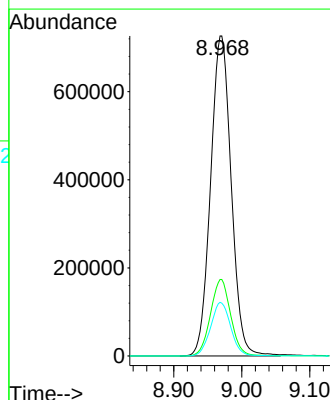
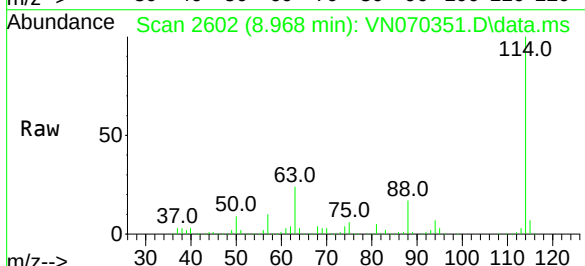
Tgt Ion: 114 Resp: 1531371

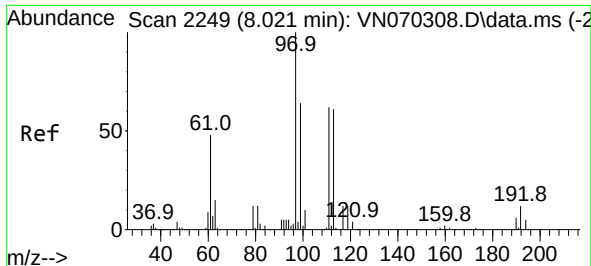
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 52.177 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

Instrument :

MSVOA_N

ClientSampleId :

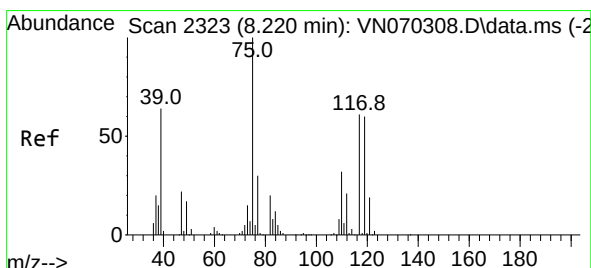
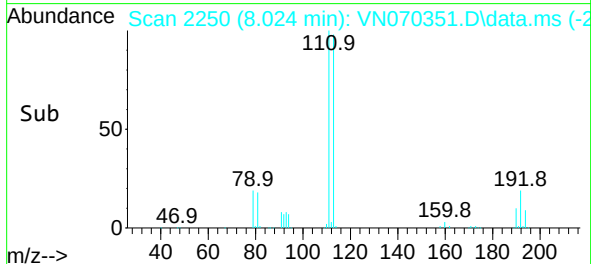
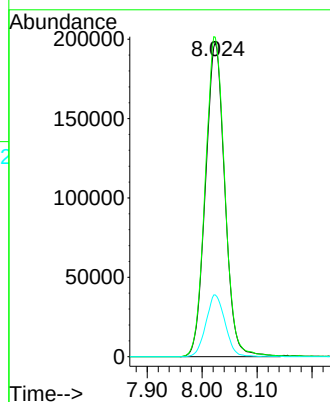
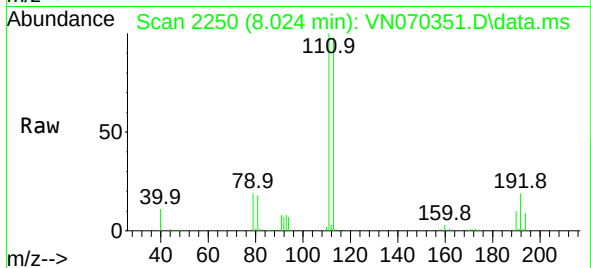
Tgt Ion:113 Resp: 483446

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070351.D

Acq: 29 Dec 2021 16:16

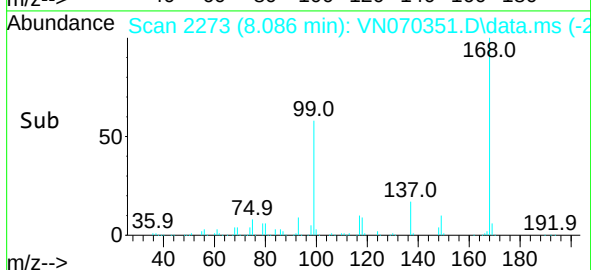
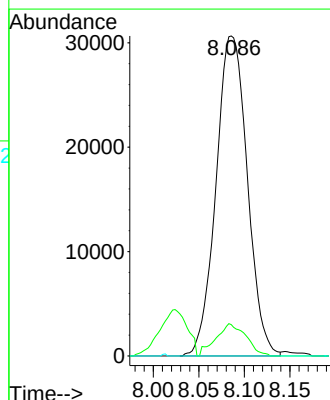
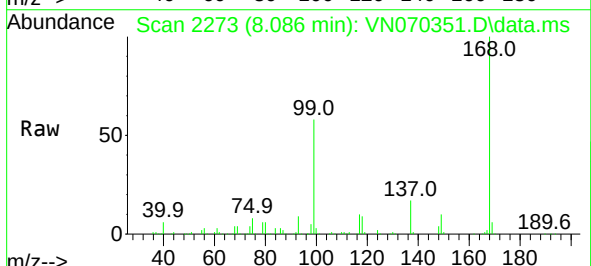
Tgt Ion: 75 Resp: 73330

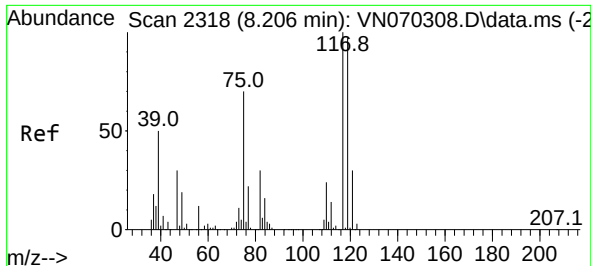
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

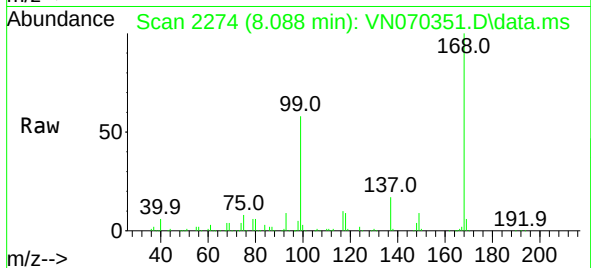
77 0.0 24.4 36.6#



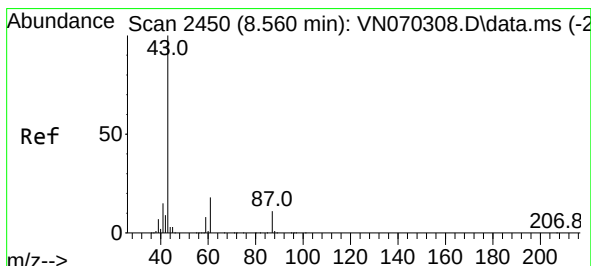
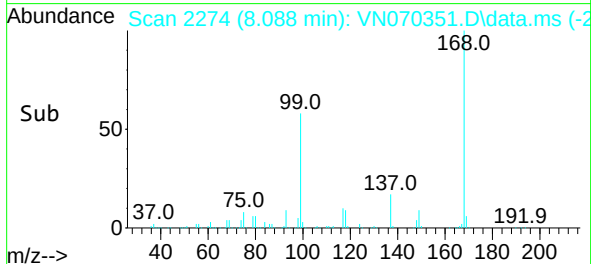
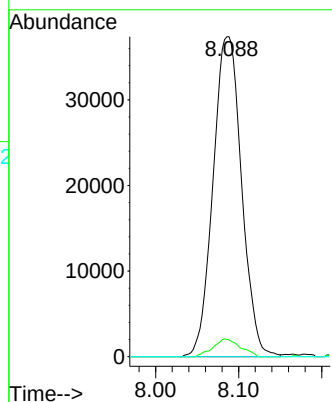


#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :

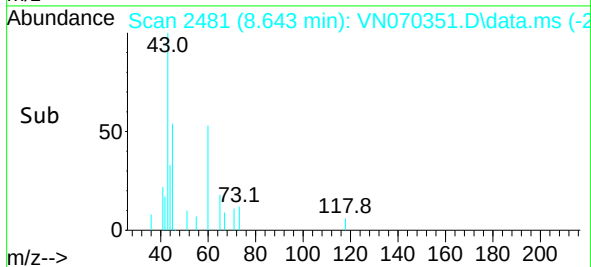
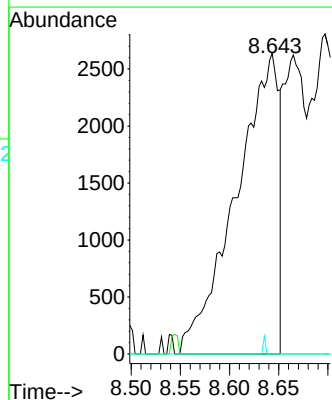
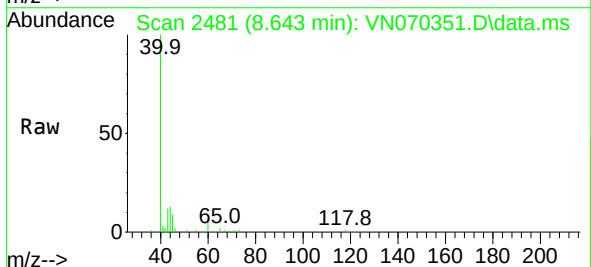


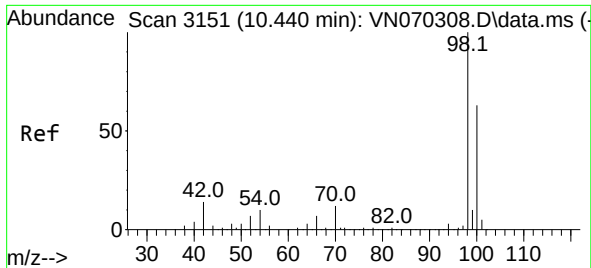
Tgt Ion: 117 Resp: 89229
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.255 ug/l
RT: 8.643 min Scan# 2481
Delta R.T. 0.083 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Tgt Ion: 43 Resp: 8003
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.3 11.2 16.8#

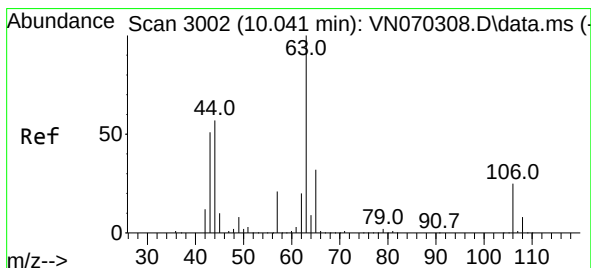
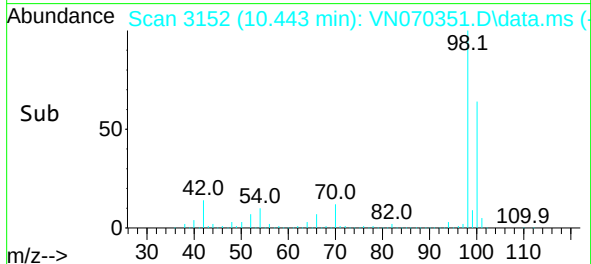
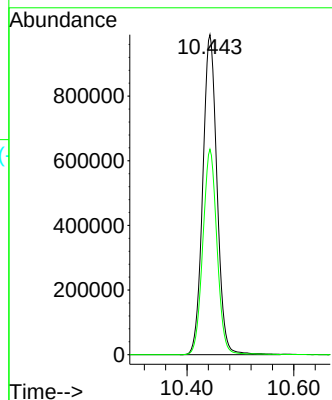
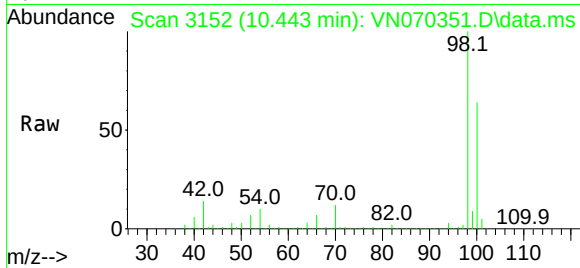




#50
Toluene-d8
Concen: 48.326 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

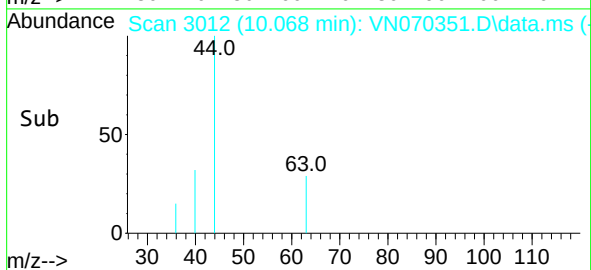
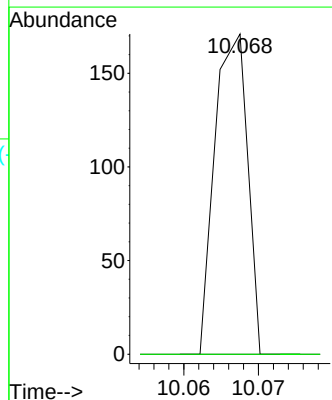
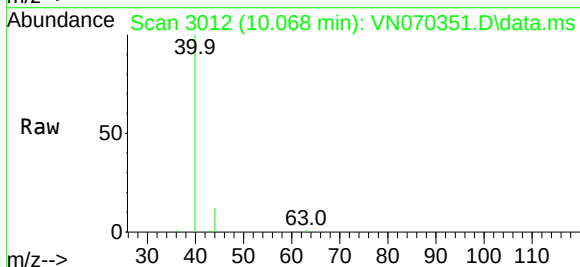
Instrument :
MSVOA_N
ClientSampleId :

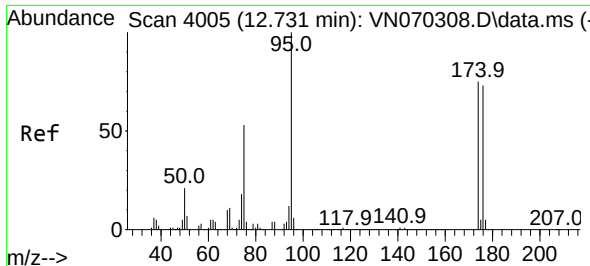
Tgt Ion: 98 Resp: 1829171
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.523 ug/l
RT: 10.068 min Scan# 3012
Delta R.T. 0.027 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

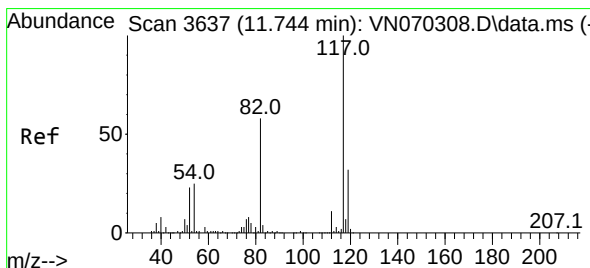
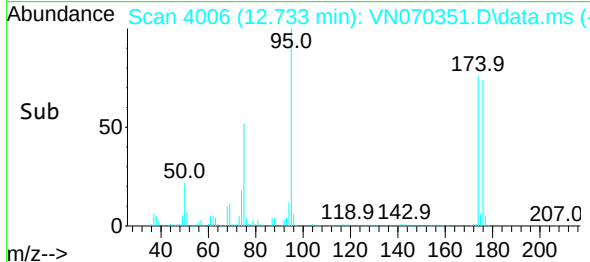
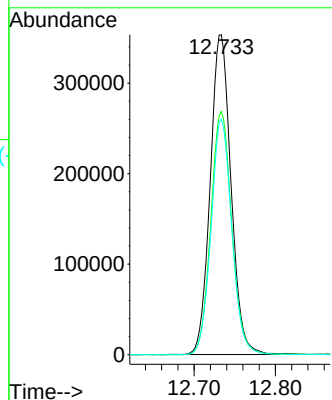
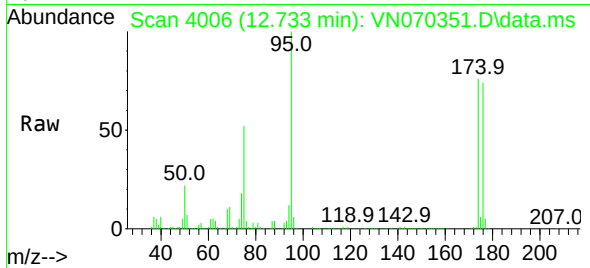




#62
4-Bromofluorobenzene
Concen: 45.956 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

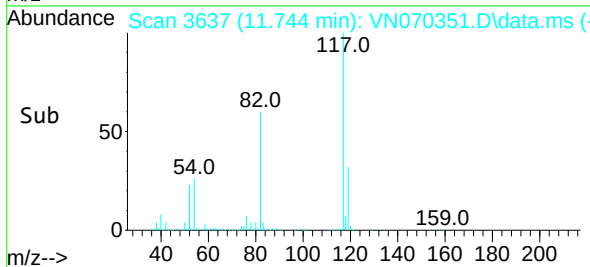
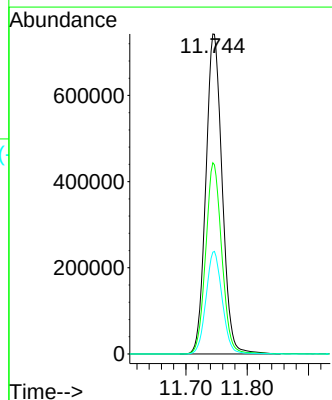
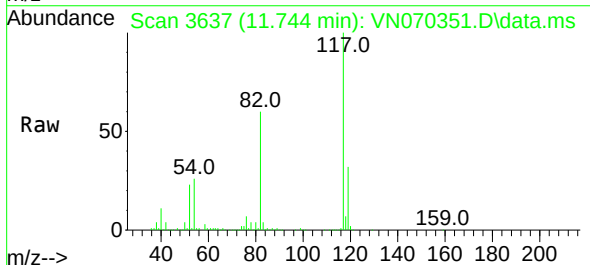
Instrument :
MSVOA_N
ClientSampleId :

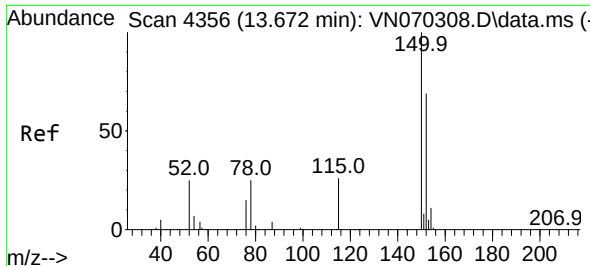
Tgt Ion: 95 Resp: 628260
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

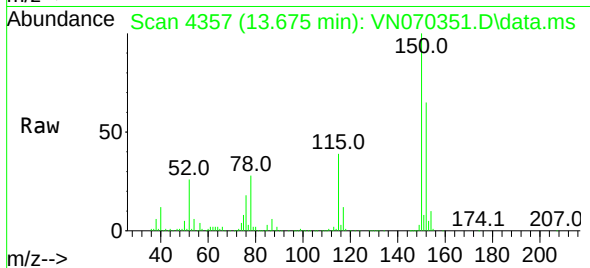
Tgt Ion: 117 Resp: 1372779
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.8 25.4 38.2



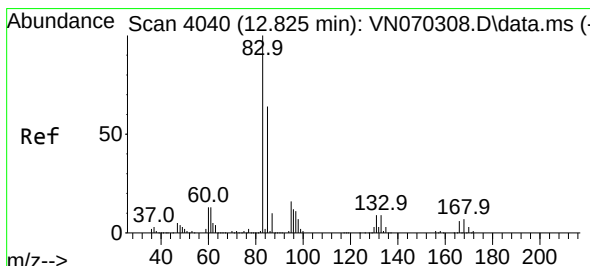
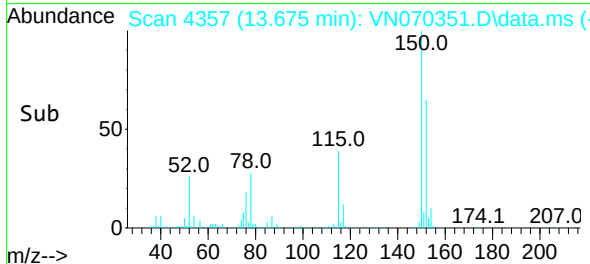
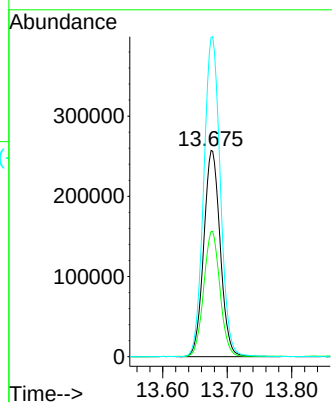


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070351.D
 Acq: 29 Dec 2021 16:16

Instrument :
 MSVOA_N
 ClientSampleId :

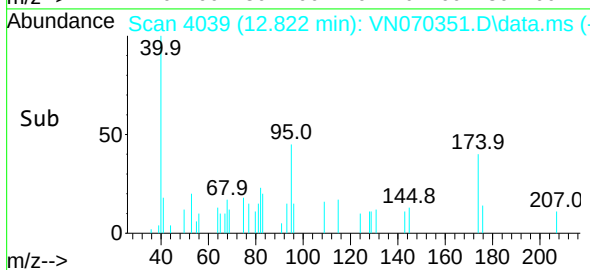
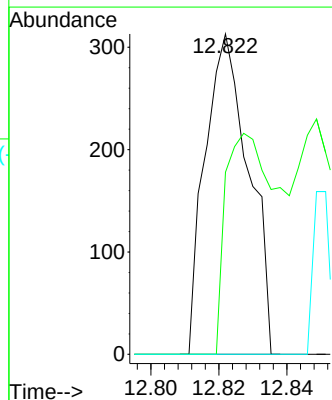
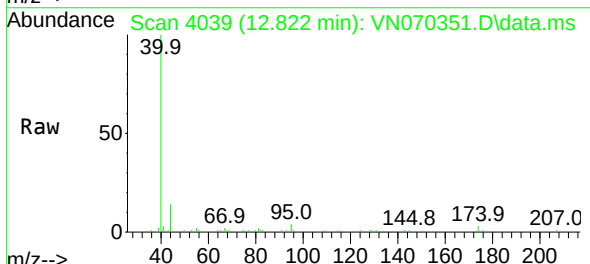


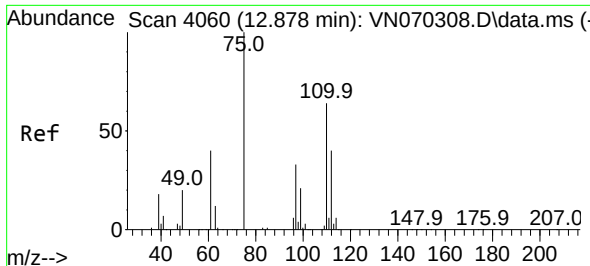
Tgt Ion:152 Resp: 456485
 Ion Ratio Lower Upper
 152 100
 115 59.7 27.5 82.5
 150 155.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.465 ug/l
 RT: 12.822 min Scan# 4039
 Delta R.T. -0.003 min
 Lab File: VN070351.D
 Acq: 29 Dec 2021 16:16

Tgt Ion: 83 Resp: 278
 Ion Ratio Lower Upper
 83 100
 131 84.9 5.5 16.5#
 85 0.0 32.4 97.2#

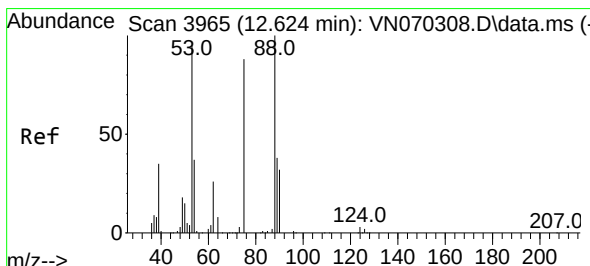
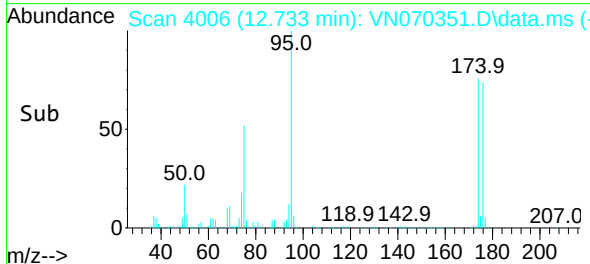
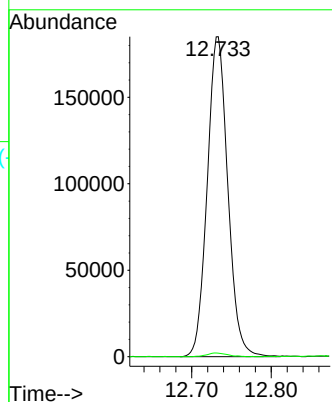
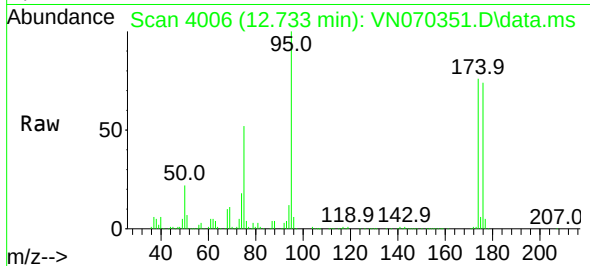




#76
1,2,3-Trichloropropane
Concen: 26.031 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

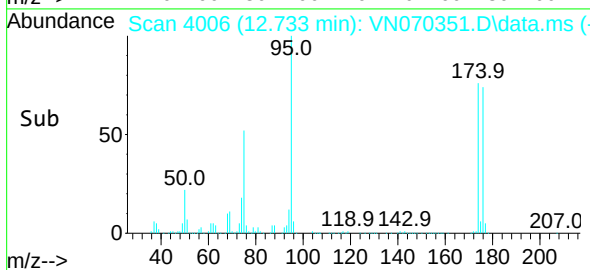
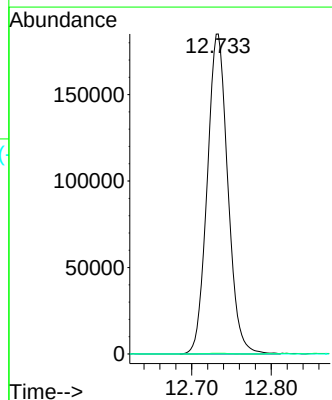
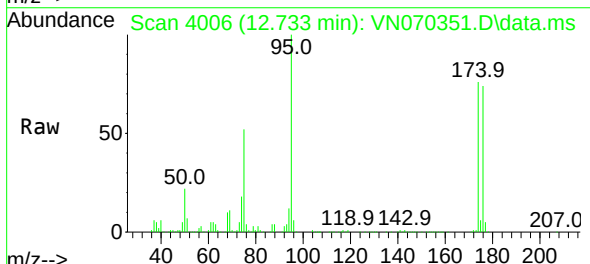
Instrument :
MSVOA_N
ClientSampleId :

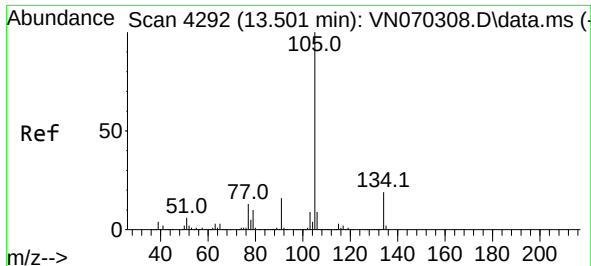
Tgt Ion: 75 Resp: 333054
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.141 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Tgt Ion: 75 Resp: 333054
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

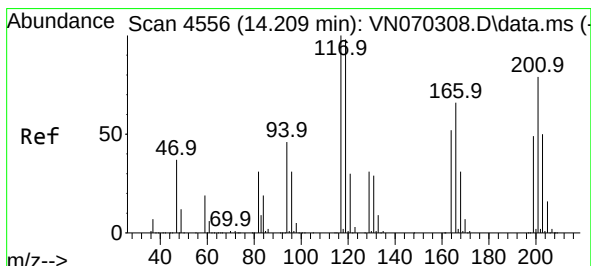
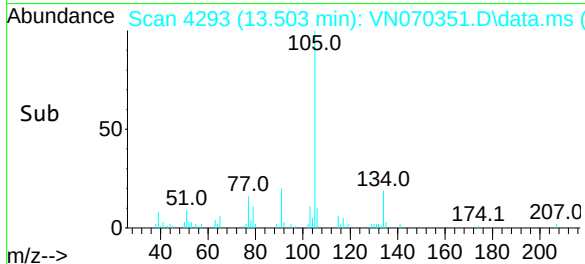
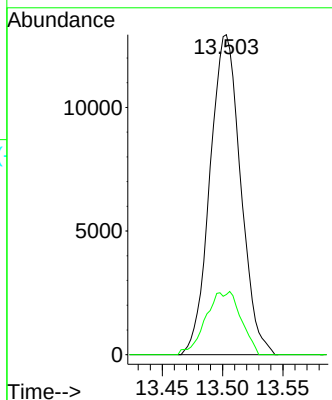
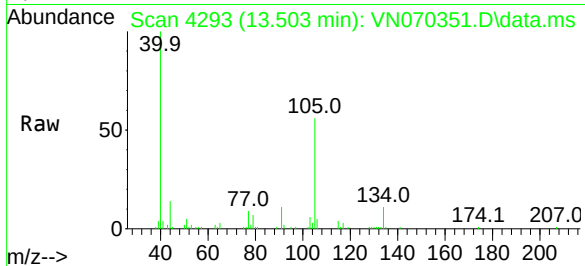




#85
 sec-Butylbenzene
 Concen: 0.563 ug/l
 RT: 13.503 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN070351.D
 Acq: 29 Dec 2021 16:16

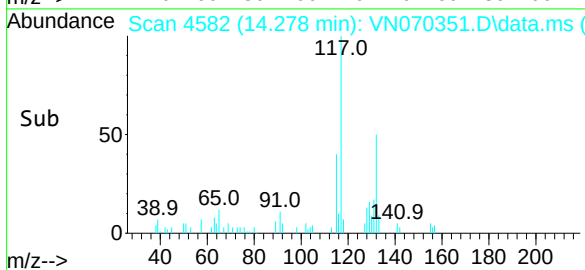
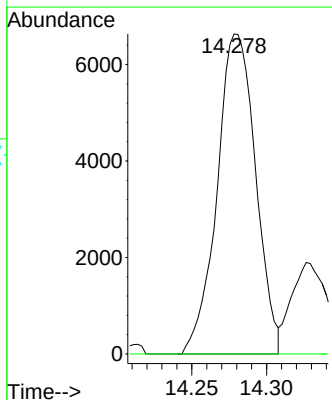
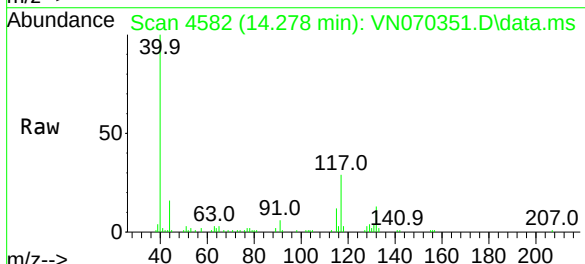
Instrument :
 MSVOA_N
 ClientSampleId :

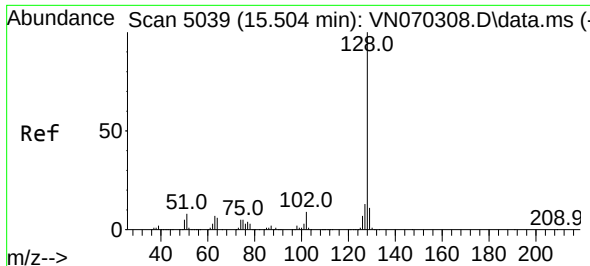
Tgt Ion:105 Resp: 22878
 Ion Ratio Lower Upper
 105 100
 134 12.1 10.4 31.1



#90
 Hexachloroethane
 Concen: 2.149 ug/l
 RT: 14.278 min Scan# 4582
 Delta R.T. 0.069 min
 Lab File: VN070351.D
 Acq: 29 Dec 2021 16:16

Tgt Ion:117 Resp: 11911
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.9 131.6#

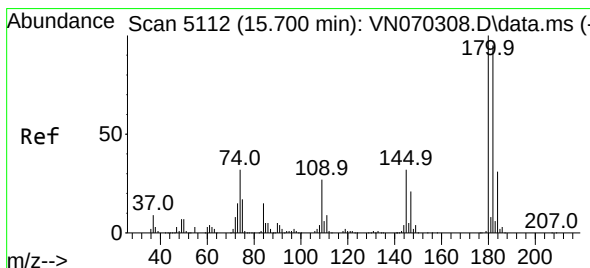
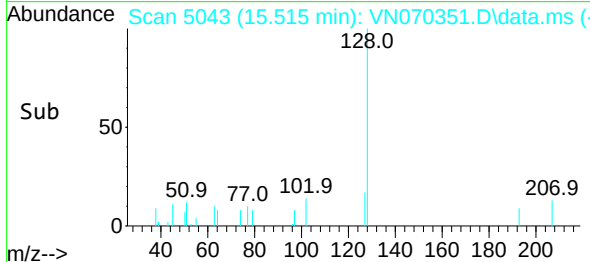
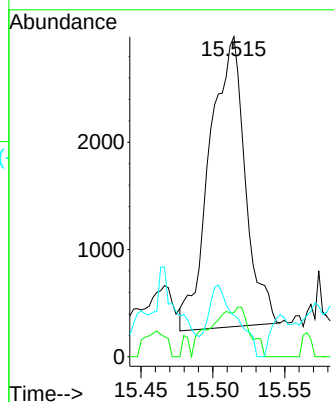
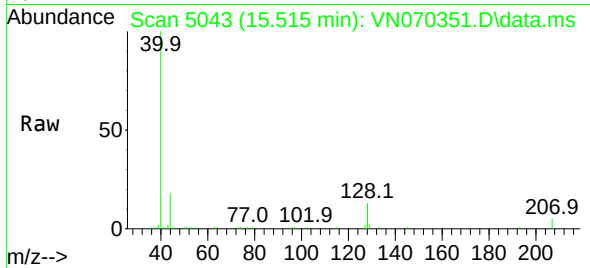




#95
Naphthalene
Concen: 2.013 ug/l
RT: 15.515 min Scan# 5039
Delta R.T. 0.011 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4653
Ion Ratio Lower Upper
128 100
127 18.9 10.5 15.7#
129 19.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.905 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070351.D
Acq: 29 Dec 2021 16:16

Tgt Ion:180 Resp: 579
Ion Ratio Lower Upper
180 100
182 204.0 47.4 142.2#
145 0.0 15.0 45.1#

