

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070475.D
 Acq On : 4 Jan 2022 20:06
 Operator : JC/MD
 Sample : N1012-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:21:56 2022
 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)

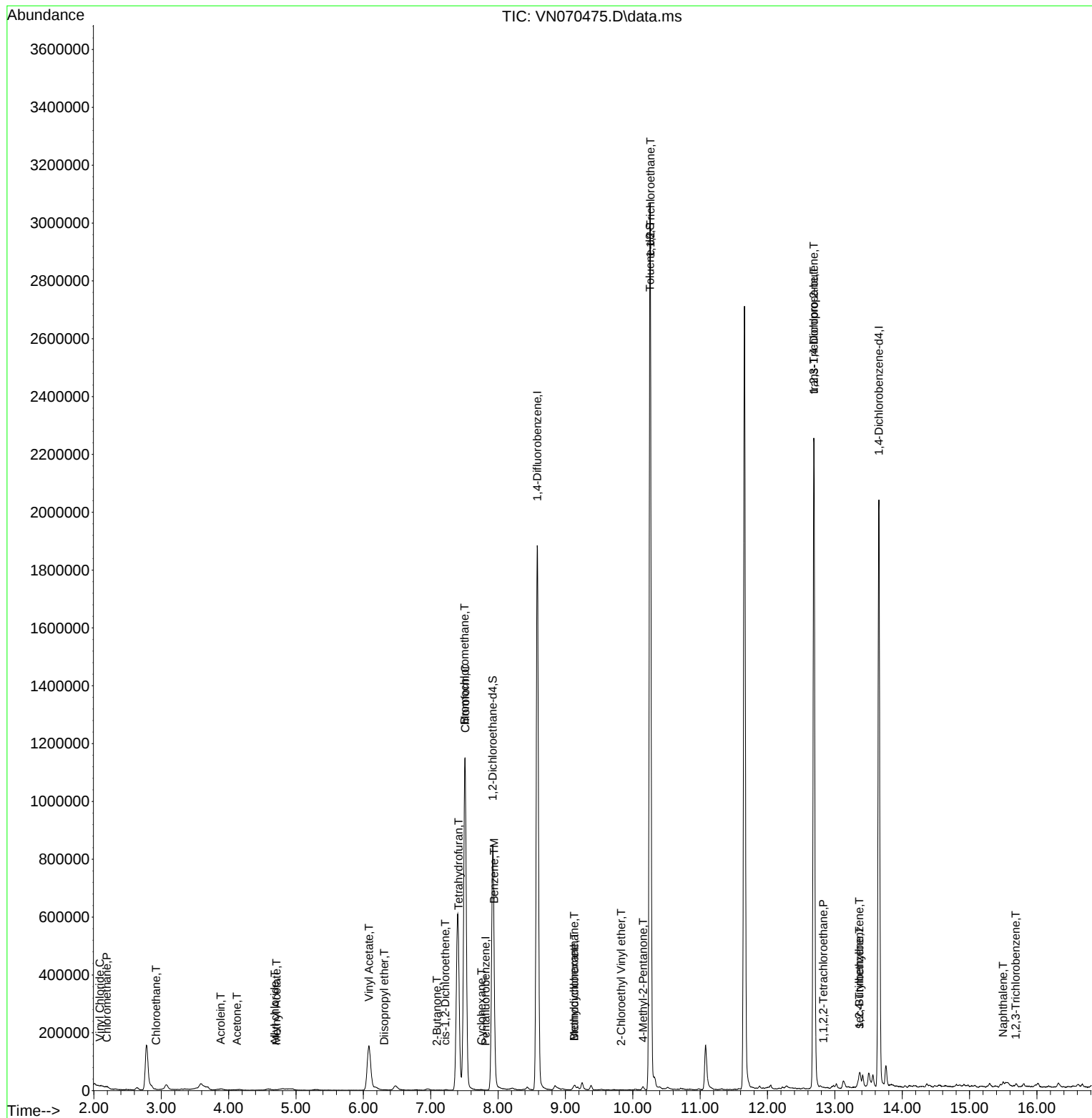
Internal Standards						
1) Pentafluorobenzene	7.815	168	173	50.000	ug/l	#-0.27
34) 1,4-Difluorobenzene	8.582	114	1803046	50.000	ug/l	-0.39
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.74
72) 1,4-Dichlorobenzene-d4	13.653	152	566209	50.000	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.922	65	783136	314839.908	ug/l	-0.51
Spiked Amount	50.000	Range	61 - 141	Recovery	= 629679.820%#	
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	= 0.000%#	
50) Toluene-d8	10.258	98	1735584	38.944	ug/l	-0.18
Spiked Amount	50.000	Range	65 - 126	Recovery	= 77.880%	
62) 4-Bromofluorobenzene	12.186	95	141	0.009	ug/l	-0.54
Spiked Amount	50.000	Range	58 - 135	Recovery	= 0.020%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.191	50	268	100.419	ug/l #	50
4) Vinyl Chloride	2.086	62	26	10.700	ug/l #	42
6) Chloroethane	2.923	64	55	37.586	ug/l #	42
13) Acrolein	3.883	56	132	392.800	ug/l #	61
14) Allyl chloride	4.688	41	58	14.519	ug/l #	64
16) Acetone	4.122	43	793	491.108	ug/l #	46
18) Methyl Acetate	4.709	43	55	11.775	ug/l #	51
22) Diisopropyl ether	6.310	45	104	13.366	ug/l #	31
23) Vinyl Acetate	6.082	43	114448	18958.389	ug/l #	72
25) 2-Butanone	7.093	43	159	78.205	ug/l #	48
27) cis-1,2-Dichloroethene	7.217	96	532	238.997	ug/l #	1
28) Bromochloromethane	7.504	49	4716	2390.238	ug/l #	17
29) Tetrahydrofuran	7.415	42	57	46.990	ug/l #	32
30) Chloroform	7.514	83	25	6.423	ug/l #	18
31) Cyclohexane	7.756	56	149	37.960	ug/l #	14
39) Methylcyclohexane	9.132	83	6071	0.278	ug/l	91
40) Benzene	7.941	78	35016	0.633	ug/l	99
47) Bromodichloromethane	9.132	83	6071	0.330	ug/l #	25
51) 4-Methyl-2-Pentanone	10.153	43	6681	0.288	ug/l	100
55) 1,1,2-Trichloroethane	10.263	97	65831	4.968	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.829	63	79	18.526	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.827	83	116	0.453	ug/l #	1
76) 1,2,3-Trichloropropane	12.688	75	431778	27.084	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.688	75	431778	93.169	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.364	105	26580	0.655	ug/l #	53
85) sec-Butylbenzene	13.364	105	26580	0.528	ug/l #	56
95) Naphthalene	15.499	128	16719	2.422	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.684	180	637	0.896	ug/l #	32

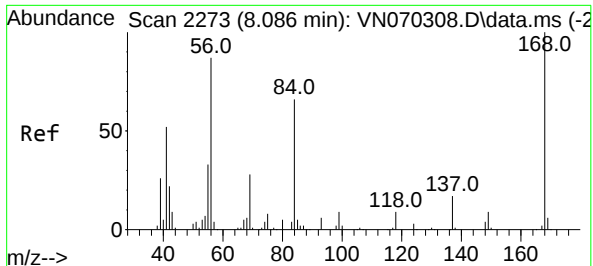
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

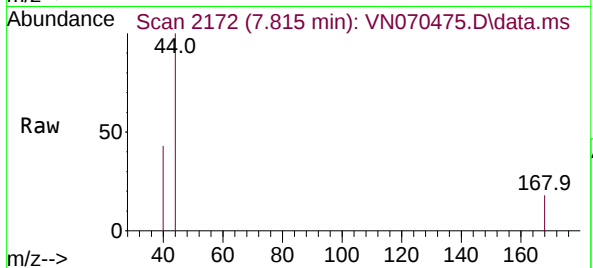
Quant Time: Jan 05 03:21:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
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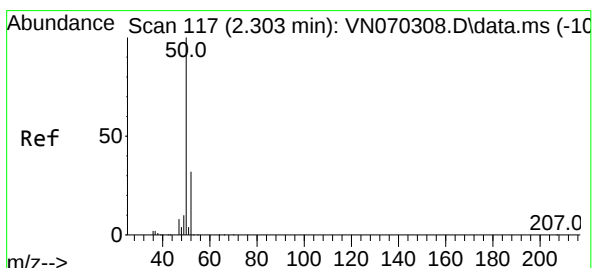
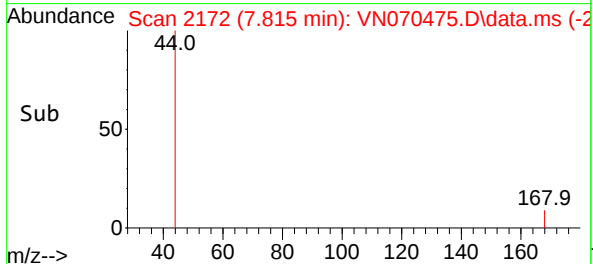
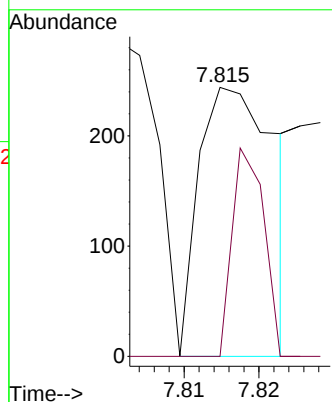


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.815 min Scan# 21
Delta R.T. -0.271 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

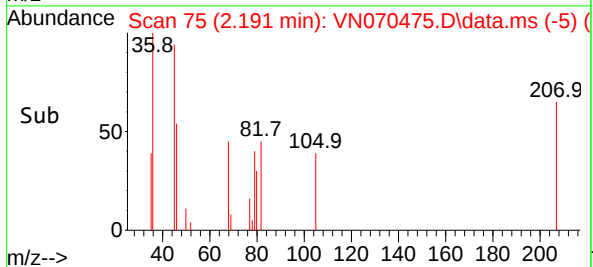
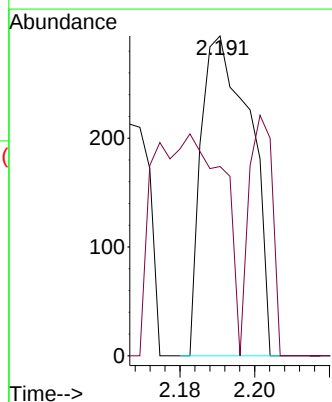
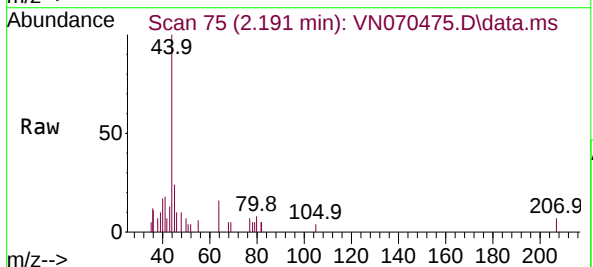


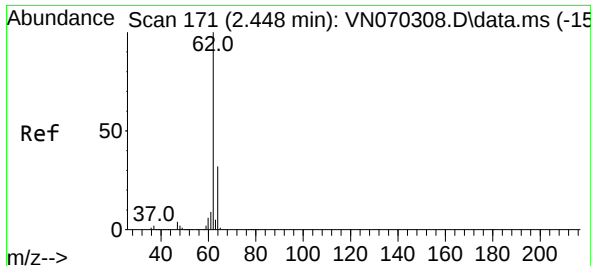
Tgt Ion:168 Resp: 173
Ion Ratio Lower Upper
168 100
99 0.0 41.3 61.9#



#3
Chloromethane
Concen: 100.419 ug/l
RT: 2.191 min Scan# 75
Delta R.T. -0.112 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

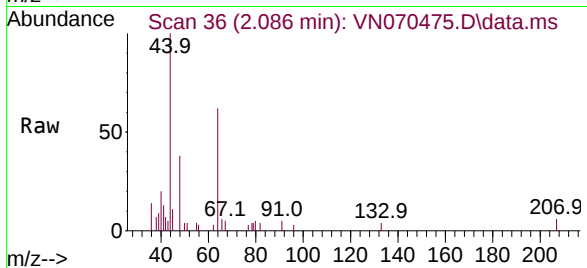
Tgt Ion: 50 Resp: 268
Ion Ratio Lower Upper
50 100
52 59.2 25.4 38.0#



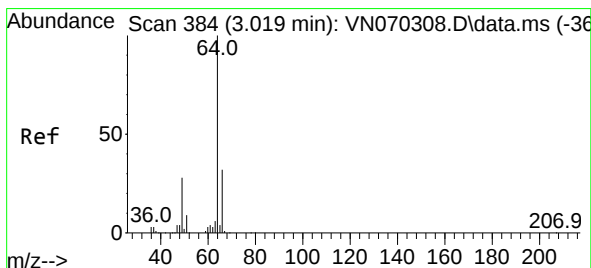
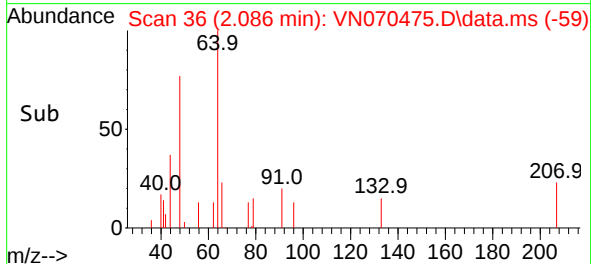
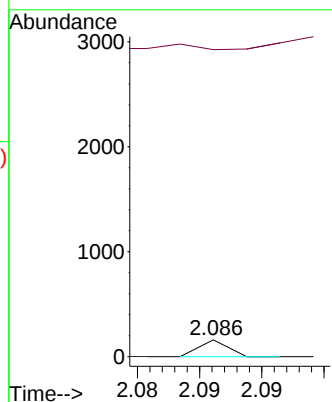


#4
 Vinyl Chloride
 Concen: 10.700 ug/l
 RT: 2.086 min Scan# 30
 Delta R.T. -0.362 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

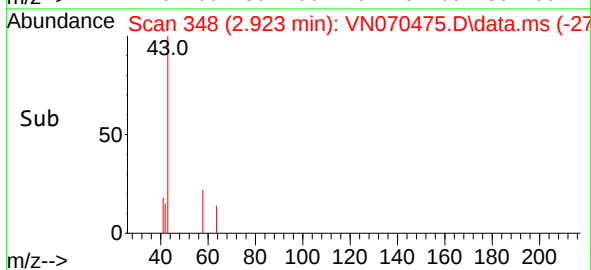
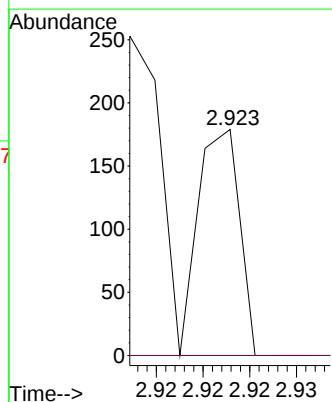
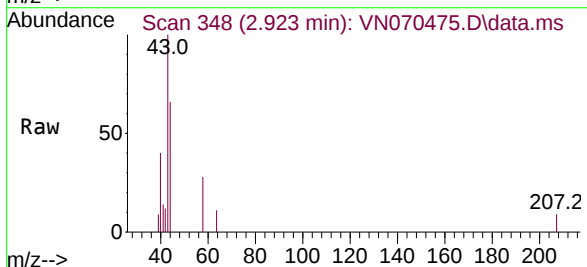


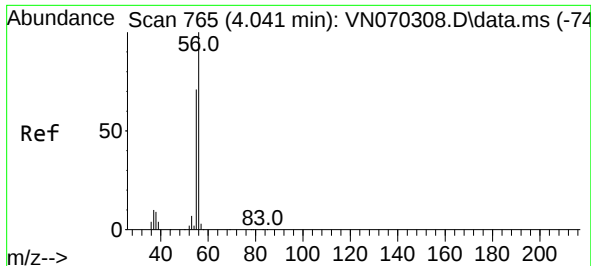
Tgt Ion: 62 Resp: 26
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.8 38.6#



#6
 Chloroethane
 Concen: 37.586 ug/l
 RT: 2.923 min Scan# 348
 Delta R.T. -0.096 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

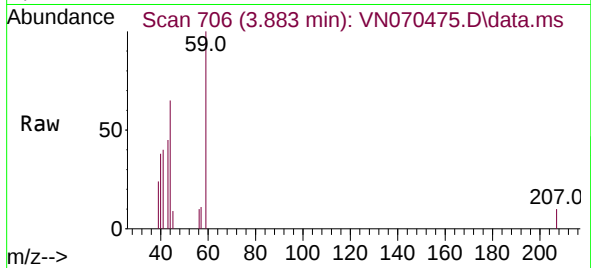
Tgt Ion: 64 Resp: 55
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.3 39.5#



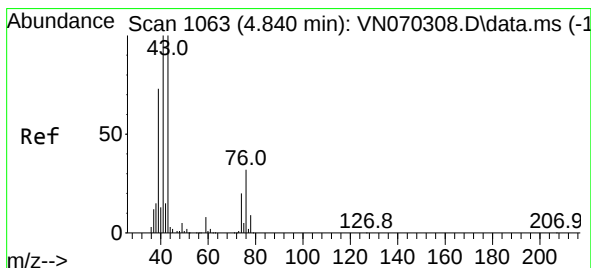
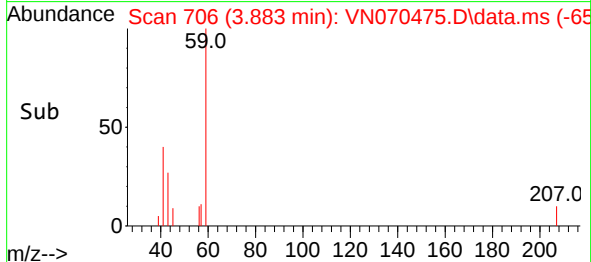
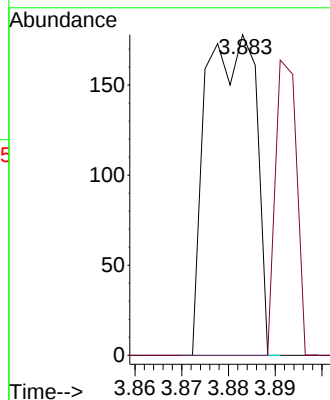


#13
Acrolein
Concen: 392.800 ug/l
RT: 3.883 min Scan# 706
Delta R.T. -0.158 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

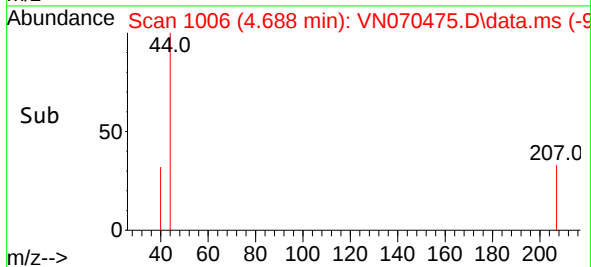
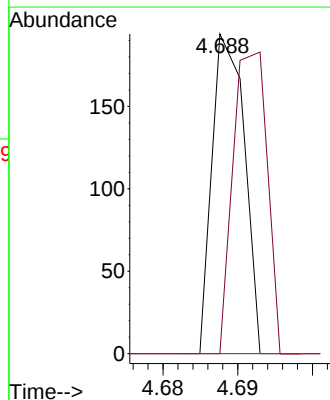
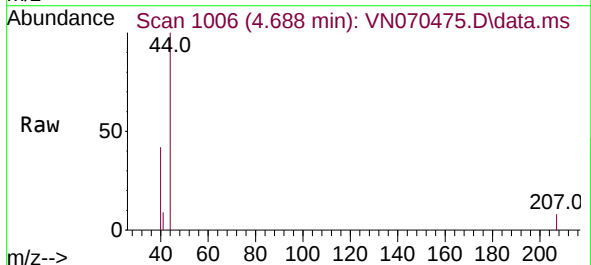


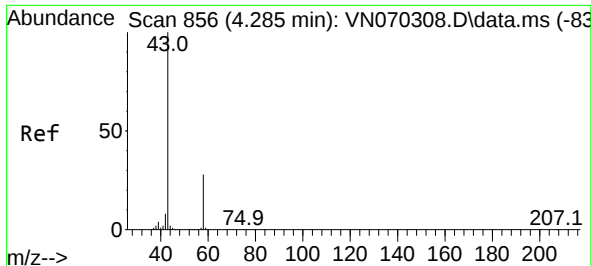
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 38.6 56.6 85.0#



#14
Allyl chloride
Concen: 14.519 ug/l
RT: 4.688 min Scan# 1006
Delta R.T. -0.152 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

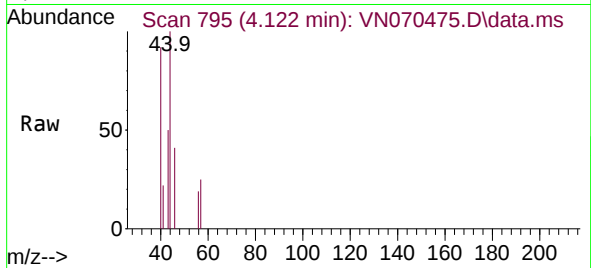
Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 100.0 61.2 91.8#
76 0.0 26.0 39.0#



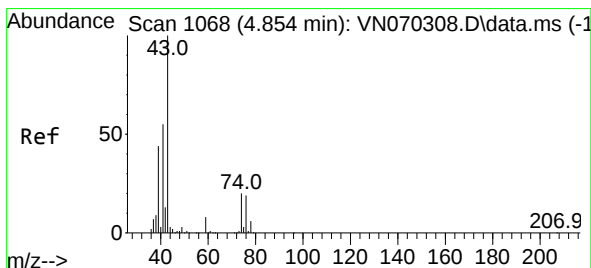
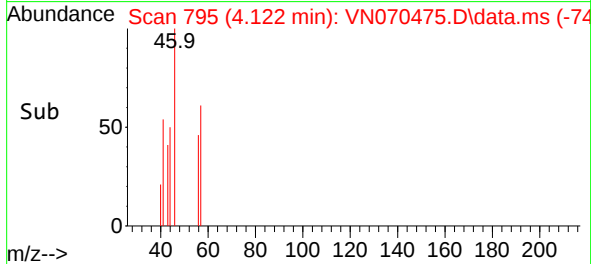
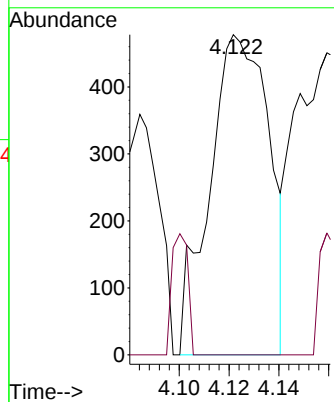


#16
Acetone
Concen: 491.108 ug/l
RT: 4.122 min Scan# 795
Delta R.T. -0.163 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

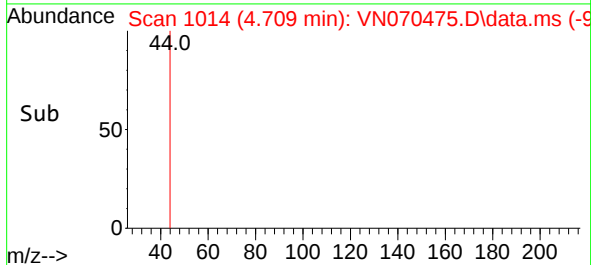
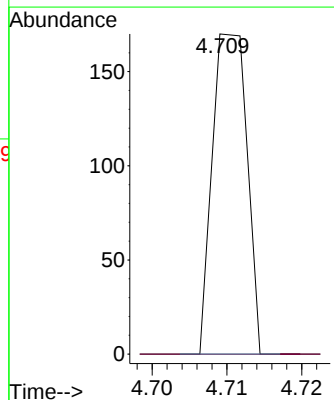
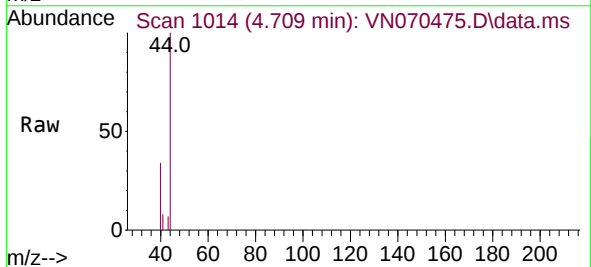


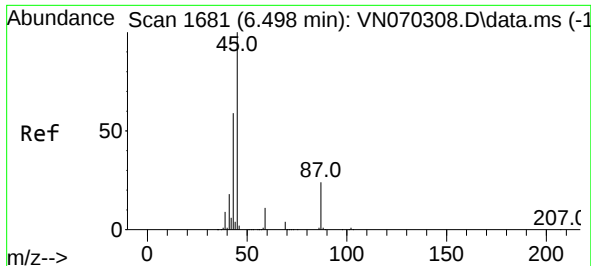
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 0.0 23.1 34.7#



#18
Methyl Acetate
Concen: 11.775 ug/l
RT: 4.709 min Scan# 1014
Delta R.T. -0.145 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

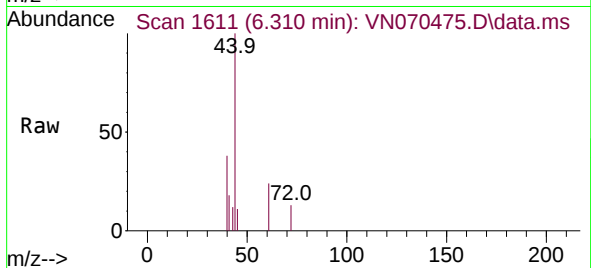
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



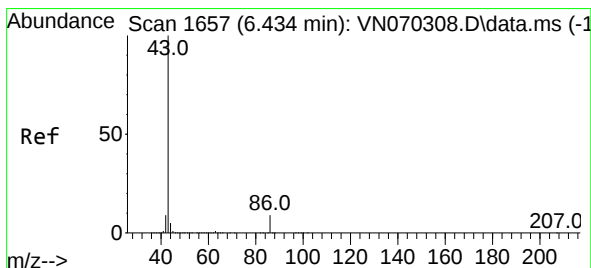
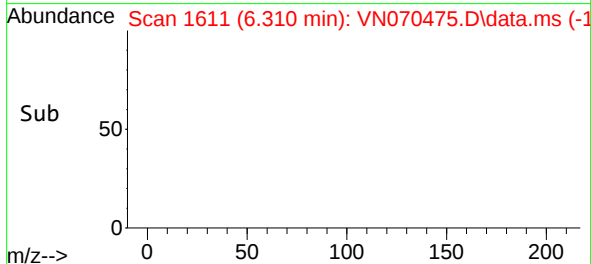
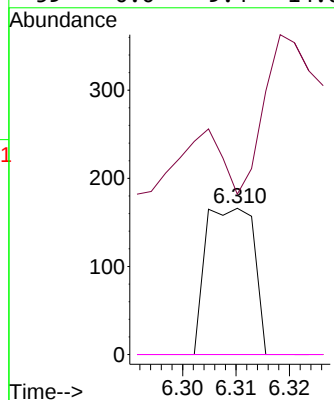


#22
Diisopropyl ether
Concen: 13.366 ug/l
RT: 6.310 min Scan# 1526
Delta R.T. -0.188 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

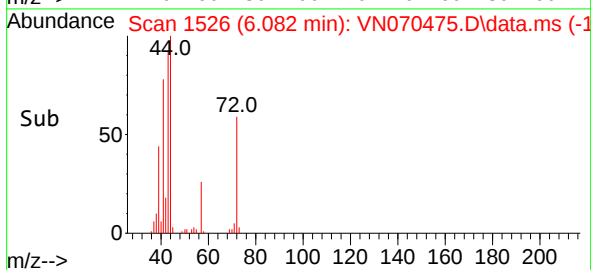
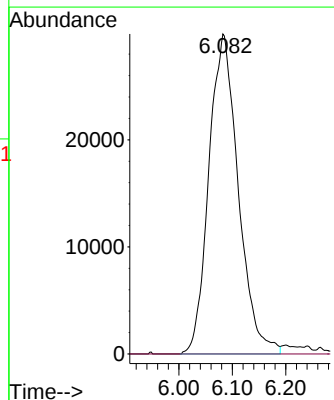
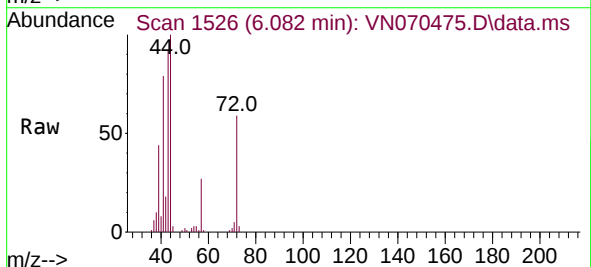


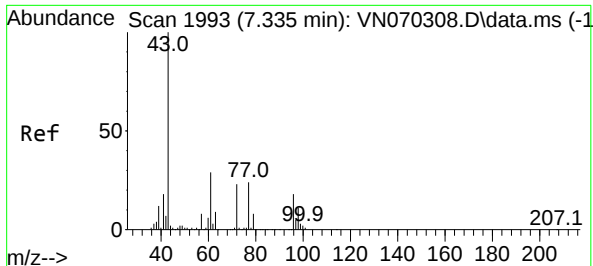
Tgt Ion:	45	Resp:	104
Ion	Ratio	Lower	Upper
45	100		
43	0.0	51.7	77.5#
87	0.0	23.2	34.8#
59	0.0	9.4	14.0#



#23
Vinyl Acetate
Concen: 18958.389 ug/l
RT: 6.082 min Scan# 1526
Delta R.T. -0.352 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion:	43	Resp:	114448
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#





#25

2-Butanone

Concen: 78.205 ug/l

RT: 7.093 min Scan# 19

Delta R.T. -0.242 min

Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

Instrument :

MSVOA_N

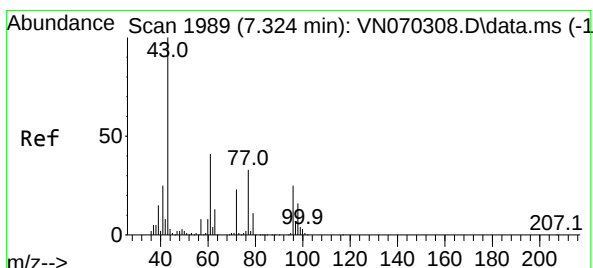
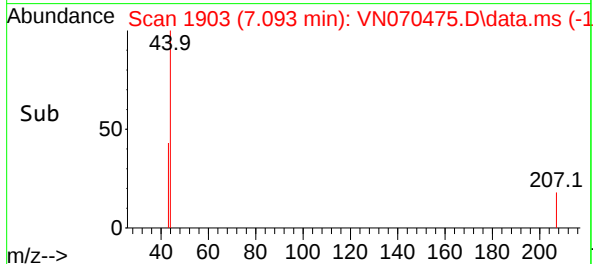
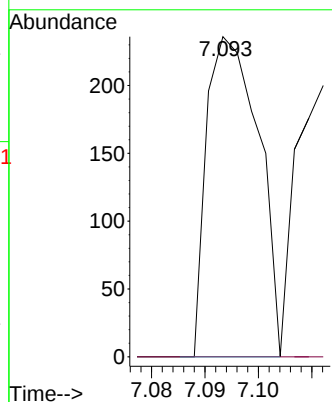
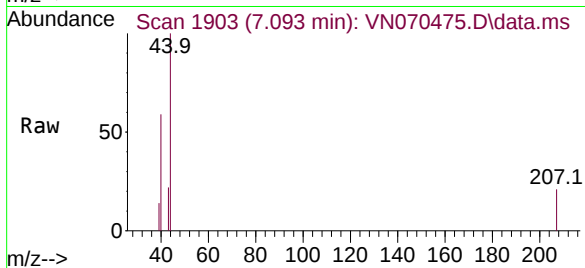
ClientSampleId :

Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 238.997 ug/l

RT: 7.217 min Scan# 1949

Delta R.T. -0.107 min

Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

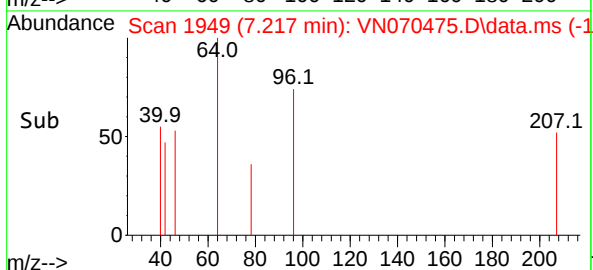
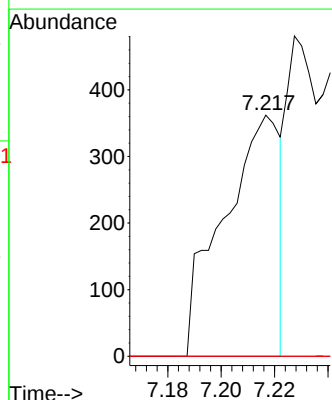
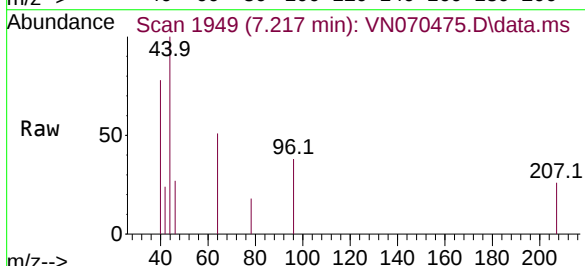
Tgt Ion: 96 Resp: 532

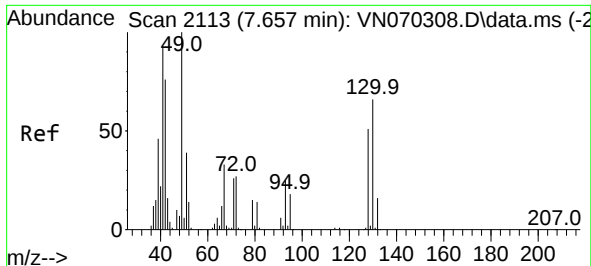
Ion Ratio Lower Upper

96 100

61 0.0 0.0 275.0

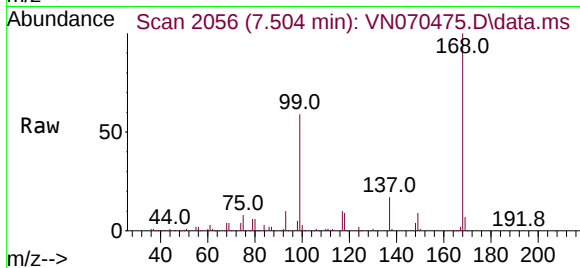
98 0.0 0.0 129.6



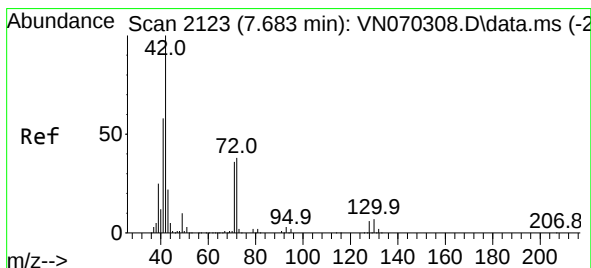
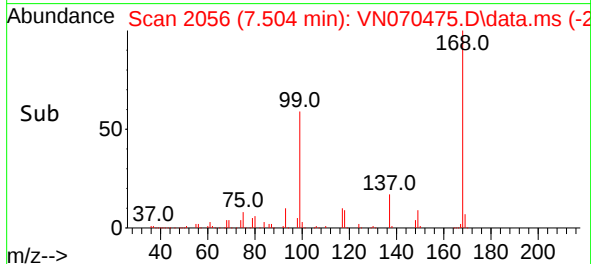
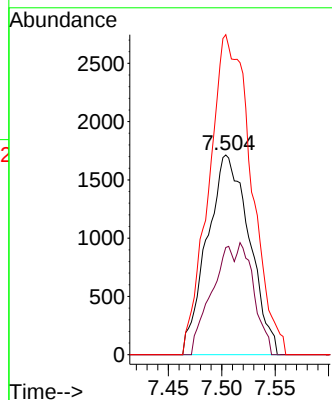


#28
Bromochloromethane
Concen: 2390.238 ug/l
RT: 7.504 min Scan# 20
Delta R.T. -0.153 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

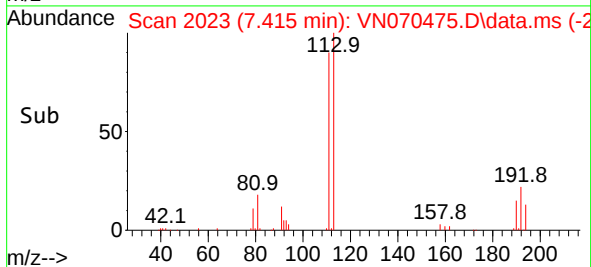
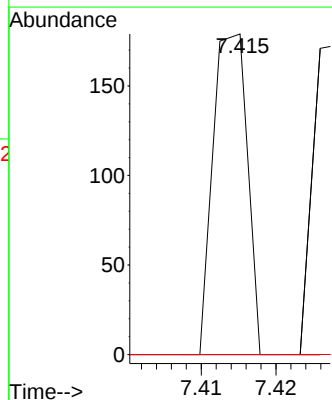
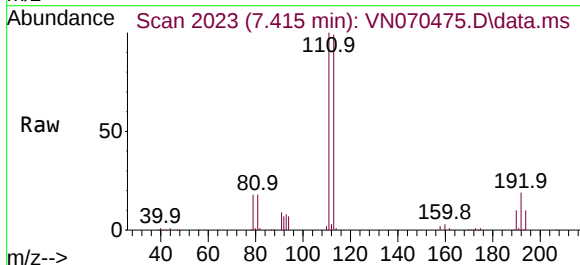


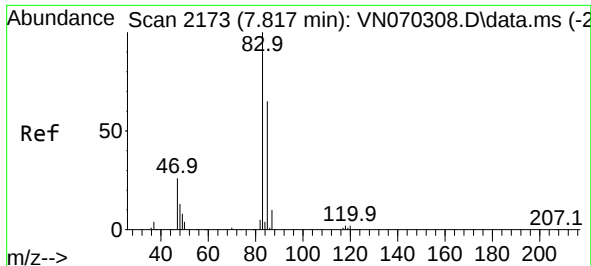
Tgt Ion: 49 Resp: 4716
Ion Ratio Lower Upper
49 100
129 30.0 0.0 4.0#
130 160.9 67.8 101.8#



#29
Tetrahydrofuran
Concen: 46.990 ug/l
RT: 7.415 min Scan# 2023
Delta R.T. -0.268 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 0.0 34.7 52.1#

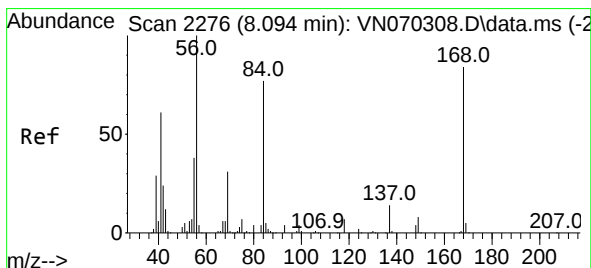
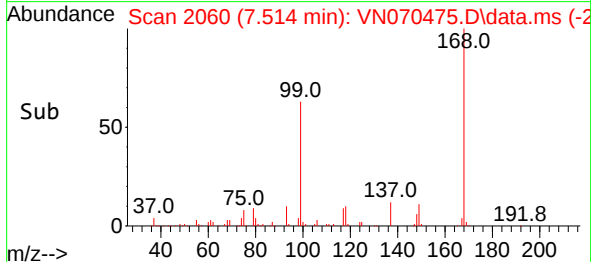
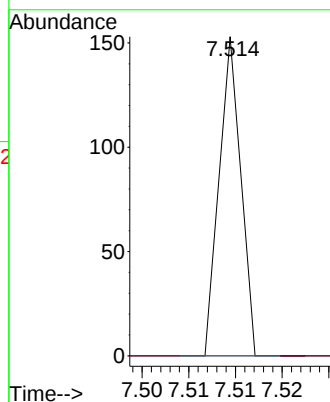
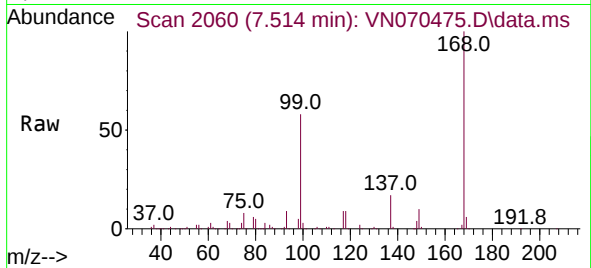




#30
Chloroform
Concen: 6.423 ug/l
RT: 7.514 min Scan# 20
Delta R.T. -0.303 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

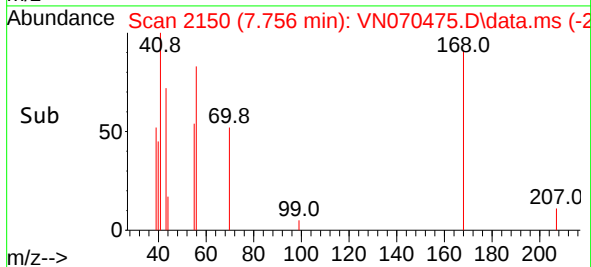
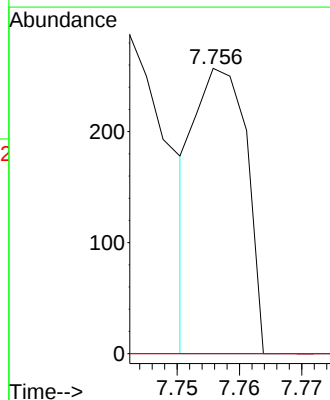
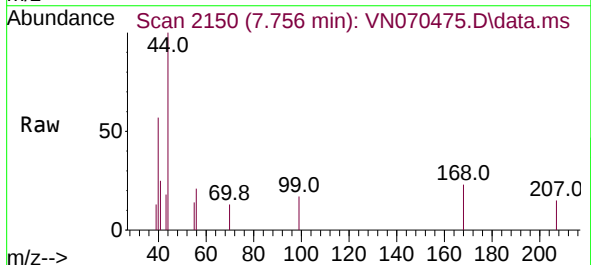
Instrument :
MSVOA_N
ClientSampleId :

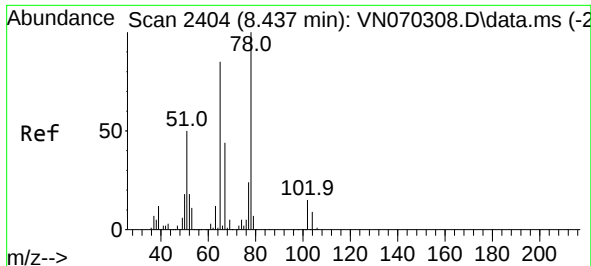
Tgt Ion: 83 Resp: 25
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 37.960 ug/l
RT: 7.756 min Scan# 2150
Delta R.T. -0.338 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

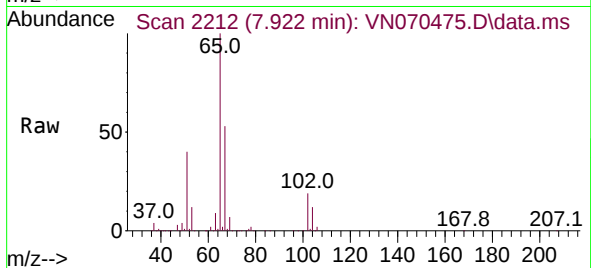
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
69 0.0 27.1 40.7#
84 0.0 73.4 110.0#



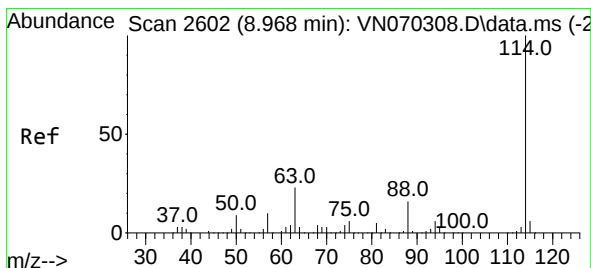
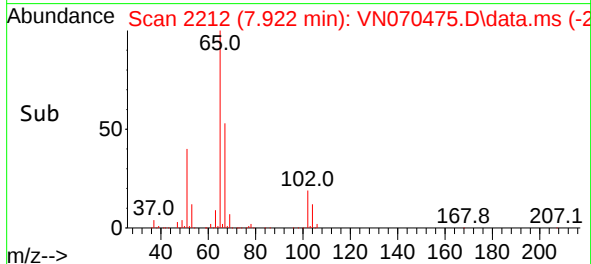
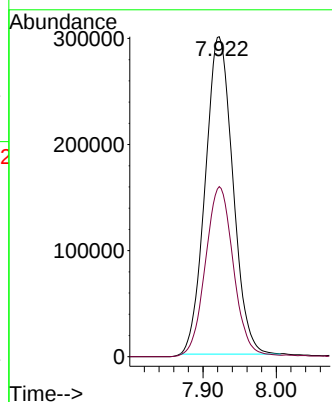


#33
 1,2-Dichloroethane-d4
 Concen: 314839.908 ug/l
 RT: 7.922 min Scan# 21
 Delta R.T. -0.515 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

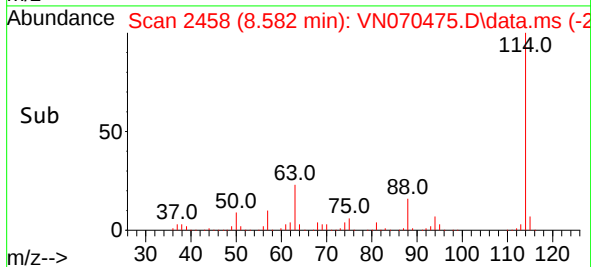
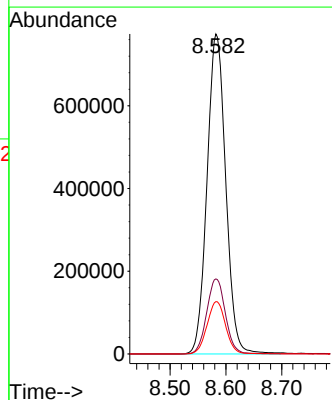
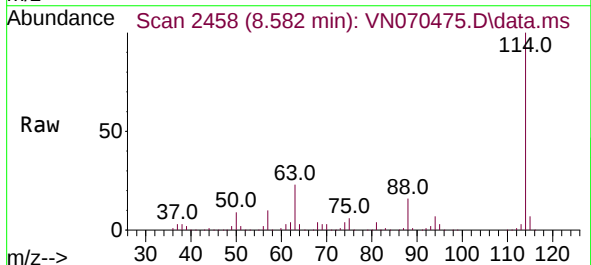


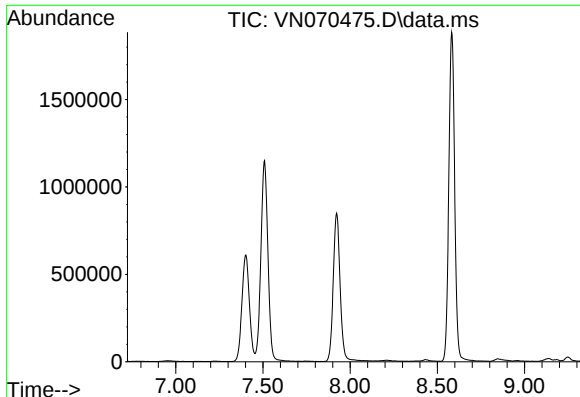
Tgt Ion: 65 Resp: 783136
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.582 min Scan# 2458
 Delta R.T. -0.386 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Tgt Ion: 114 Resp: 1803046
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 37.8
 88 16.4 0.0 27.4



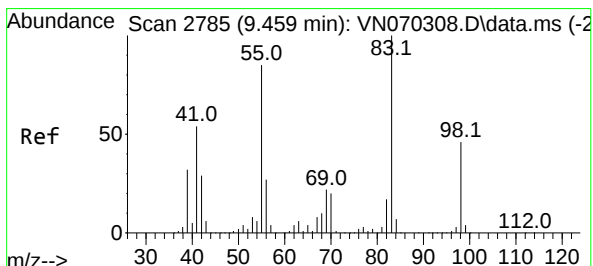
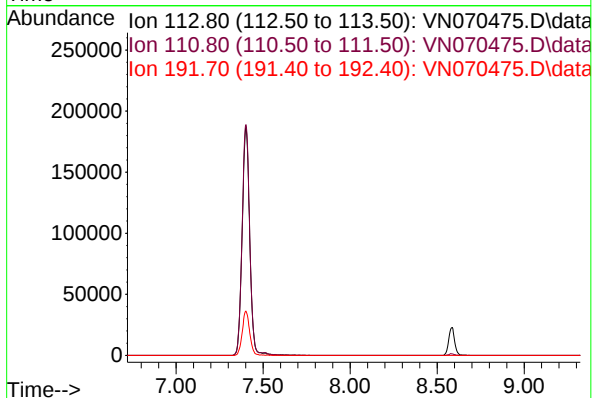


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 8.02 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 113

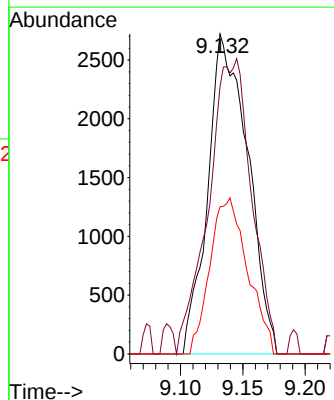
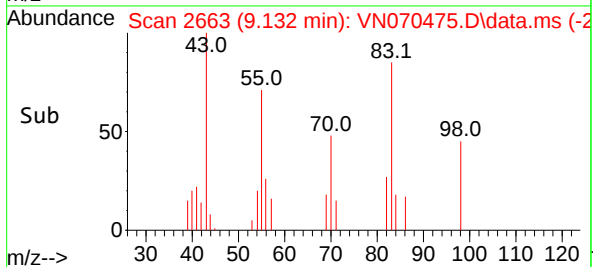
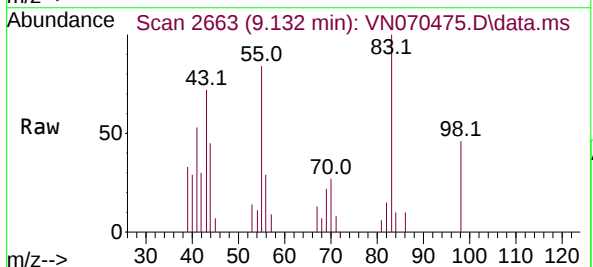
Sig	Exp Ratio
113	100
111	102.7
192	21.1

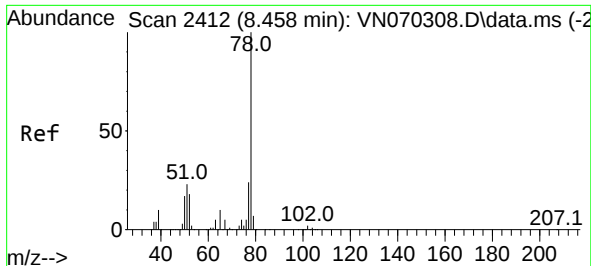


#39
 Methylcyclohexane
 Concen: 0.278 ug/l
 RT: 9.132 min Scan# 2663
 Delta R.T. -0.327 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Tgt Ion: 83 Resp: 6071

Ion	Ratio	Lower	Upper
83	100		
55	83.7	58.1	87.1
98	46.0	38.4	57.6





#40

Benzene

Concen: 0.633 ug/l

RT: 7.941 min Scan# 21

Delta R.T. -0.517 min

Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

Instrument :

MSVOA_N

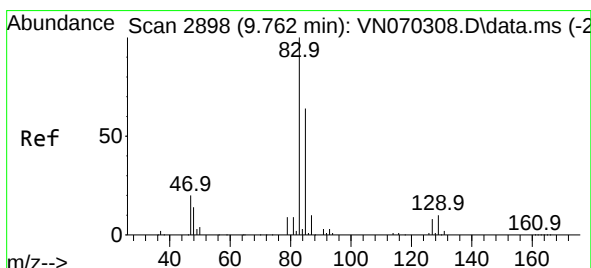
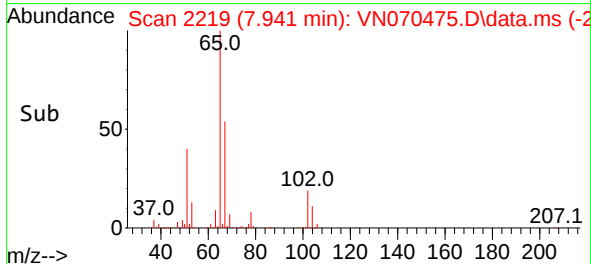
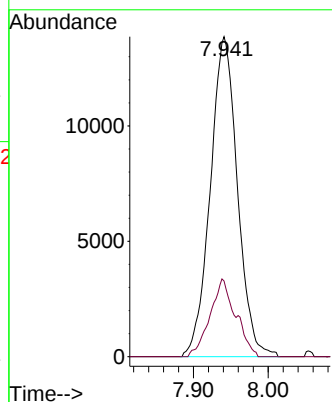
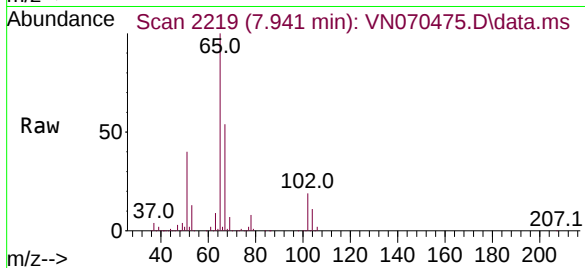
ClientSampleId :

Tgt Ion: 78 Resp: 35016

Ion Ratio Lower Upper

78 100

77 23.7 18.6 27.8



#47

Bromodichloromethane

Concen: 0.330 ug/l

RT: 9.132 min Scan# 2663

Delta R.T. -0.630 min

Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

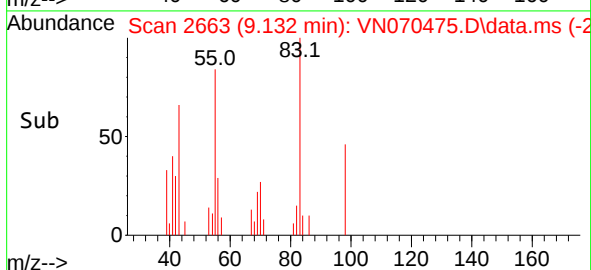
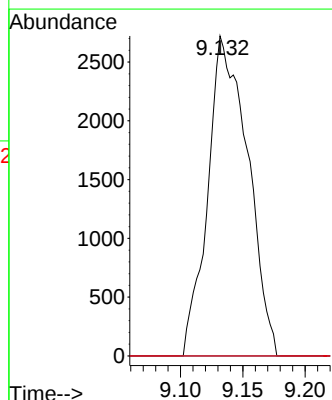
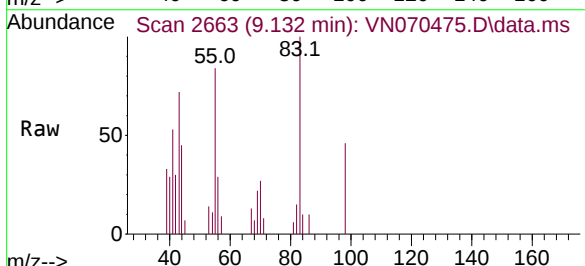
Tgt Ion: 83 Resp: 6071

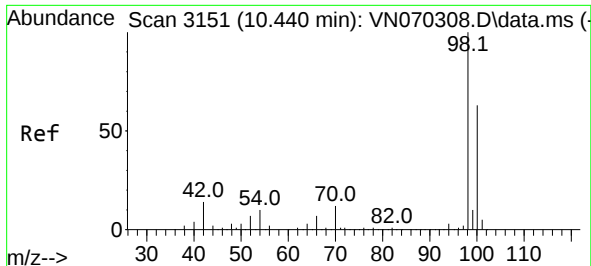
Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

127 0.0 7.1 10.7#

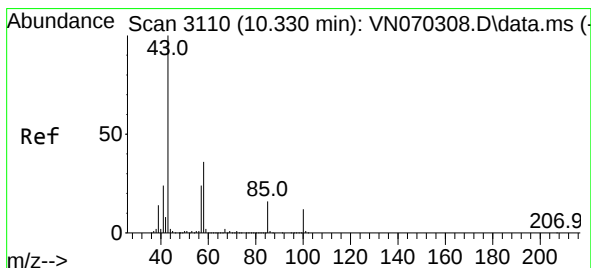
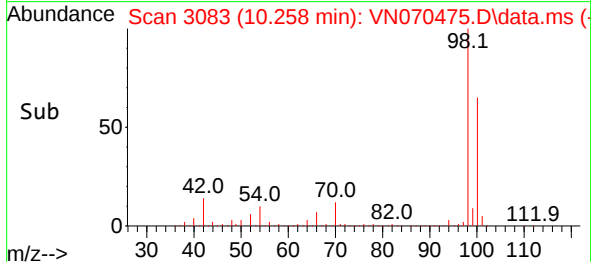
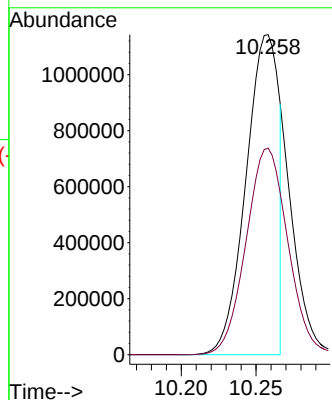
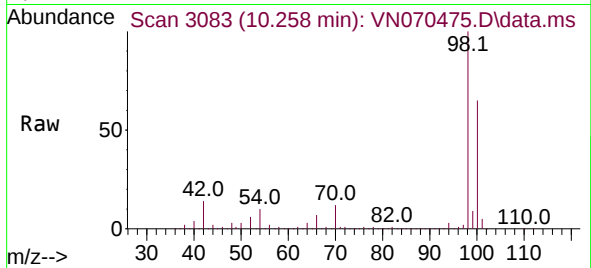




#50
Toluene-d8
Concen: 38.944 ug/l
RT: 10.258 min Scan# 3083
Delta R.T. -0.182 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

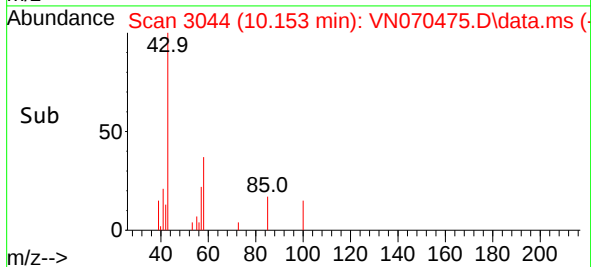
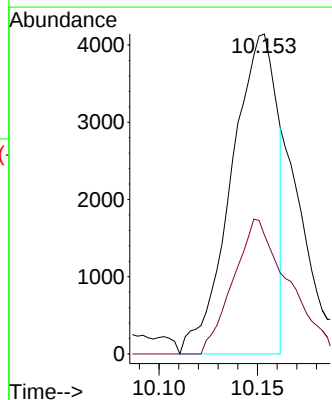
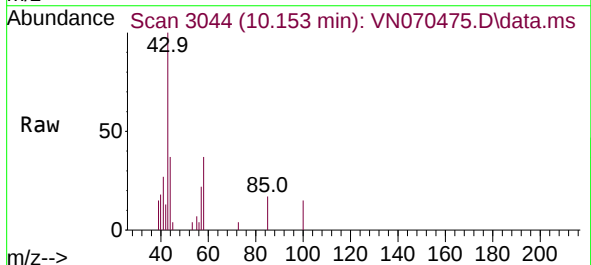
Instrument :
MSVOA_N
ClientSampleId :

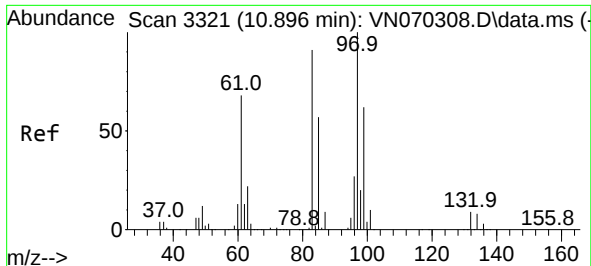
Tgt Ion: 98 Resp: 1735584
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.153 min Scan# 3044
Delta R.T. -0.177 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

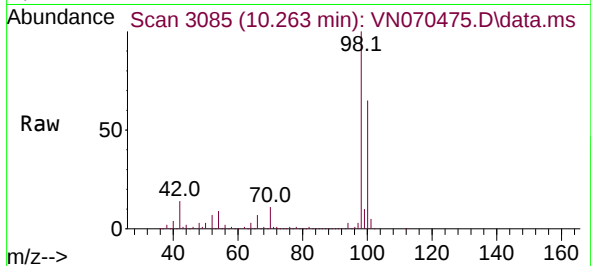
Tgt Ion: 43 Resp: 6681
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6



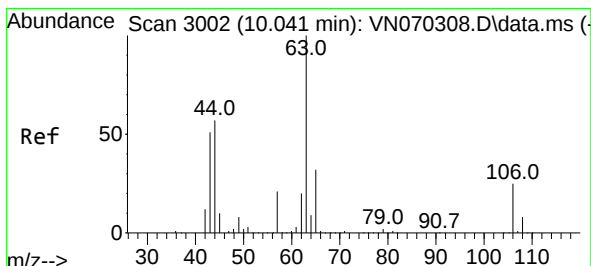
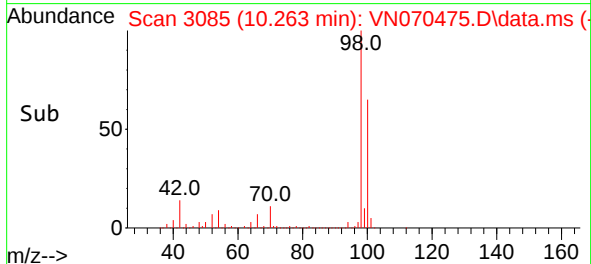
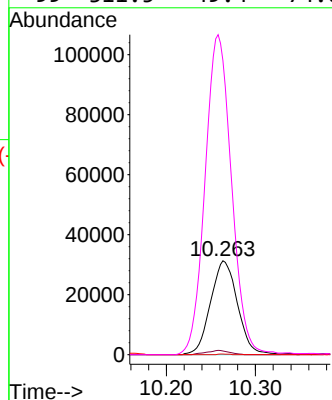


#55
 1,1,2-Trichloroethane
 Concen: 4.968 ug/l
 RT: 10.263 min Scan# 3085
 Delta R.T. -0.633 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

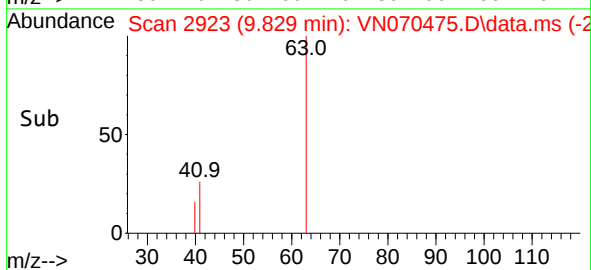
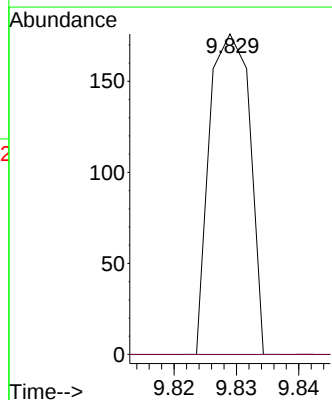
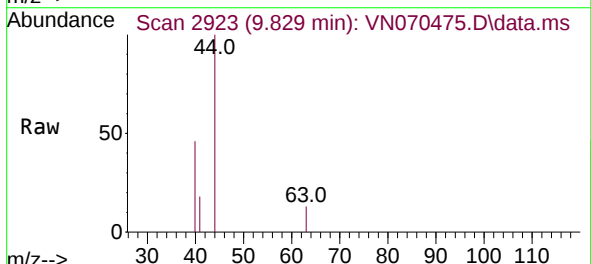


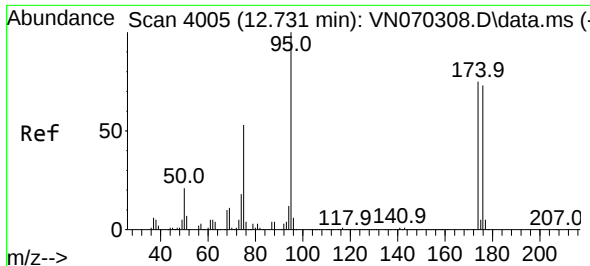
Tgt Ion: 97 Resp: 65831
 Ion Ratio Lower Upper
 97 100
 83 3.9 67.8 101.6#
 85 0.7 45.4 68.2#
 99 311.5 49.4 74.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.526 ug/l
 RT: 9.829 min Scan# 2923
 Delta R.T. -0.212 min
 Lab File: VN070475.D
 Acq: 4 Jan 2022 20:06

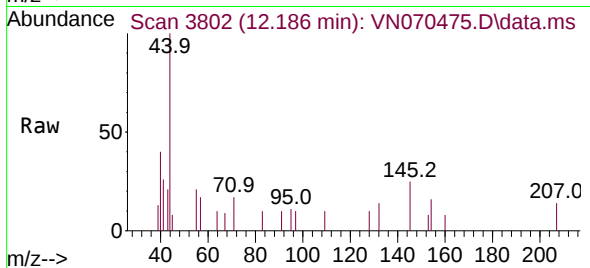
Tgt Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



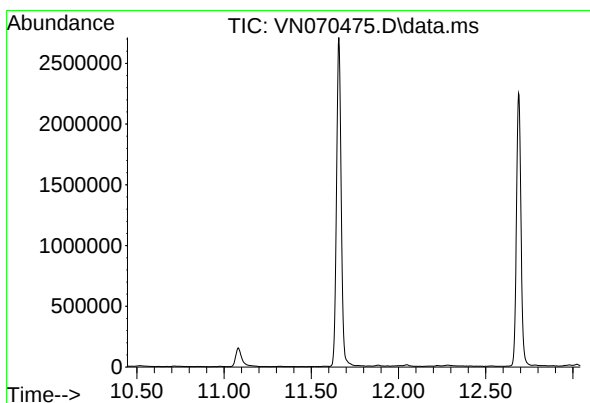
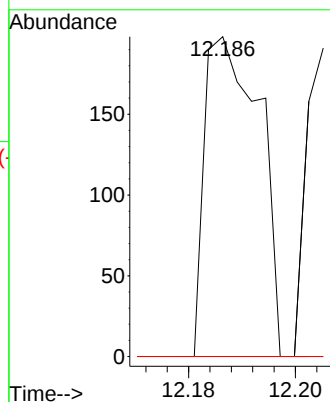
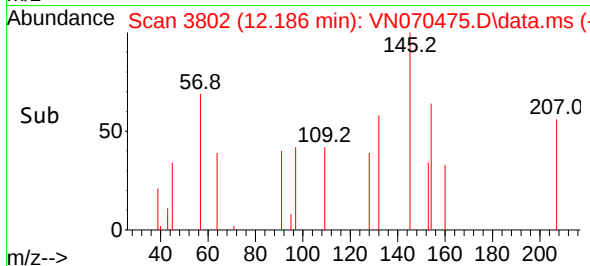


#62
4-Bromofluorobenzene
Concen: 0.009 ug/l
RT: 12.186 min Scan# 31
Delta R.T. -0.545 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

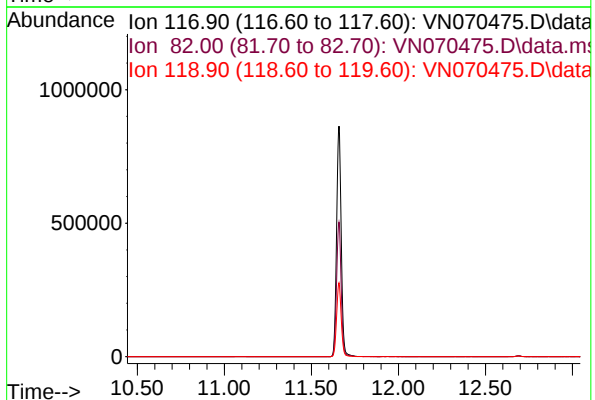


Tgt Ion: 95 Resp: 141
Ion Ratio Lower Upper
95 100
174 0.0 0.0 187.2
176 0.0 0.0 181.4



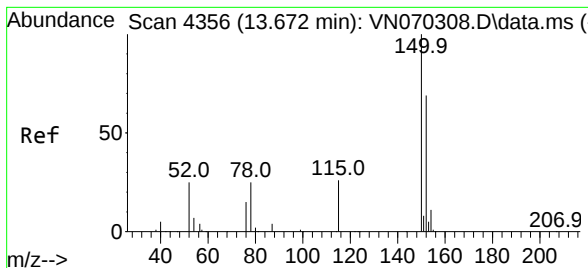
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.74 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion: 117
Sig Exp Ratio
117 100
82 53.0
119 31.8



Ion 82.00 (81.70 to 82.70): VN070475.D\data.ms (-

Ion 118.90 (118.60 to 119.60): VN070475.D\data.ms (-



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.653 min Scan# 41

Delta R.T. -0.019 min

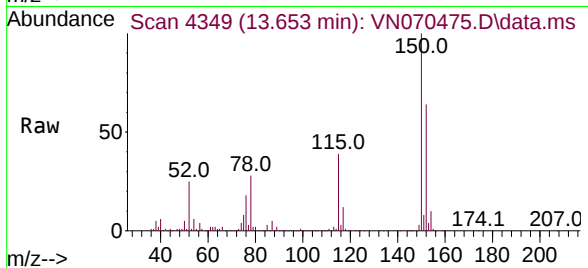
Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :



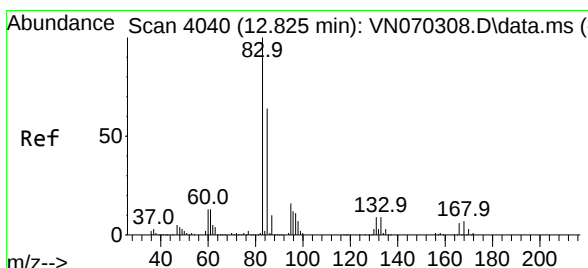
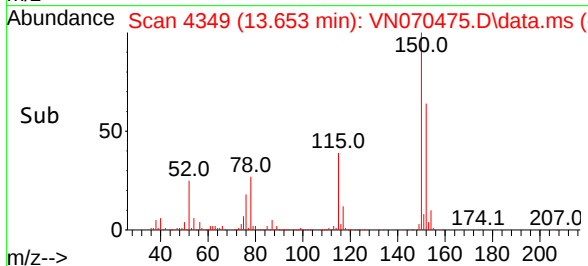
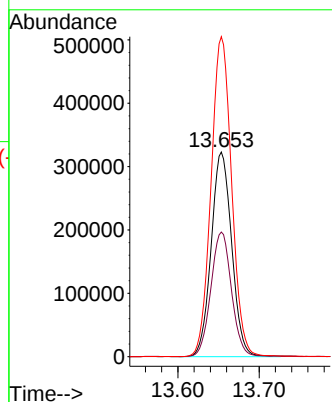
Tgt Ion:152 Resp: 566209

Ion Ratio Lower Upper

152 100

115 60.8 27.5 82.5

150 157.2 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.453 ug/l

RT: 12.827 min Scan# 4041

Delta R.T. 0.002 min

Lab File: VN070475.D

Acq: 4 Jan 2022 20:06

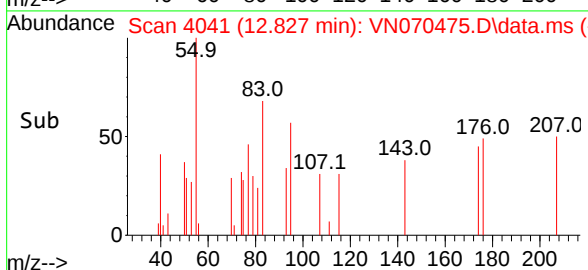
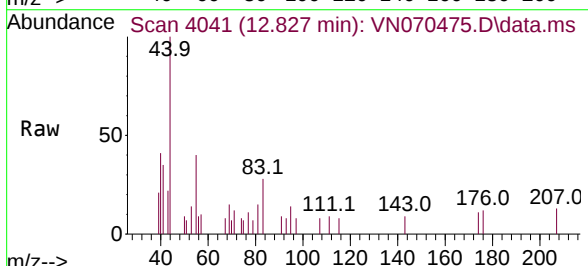
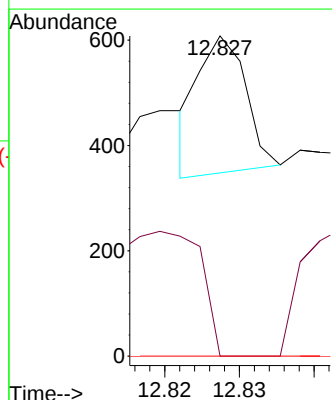
Tgt Ion: 83 Resp: 116

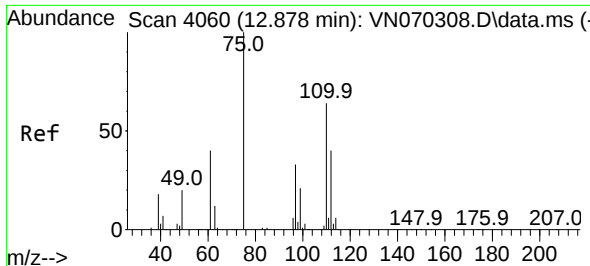
Ion Ratio Lower Upper

83 100

131 200.9 5.5 16.5#

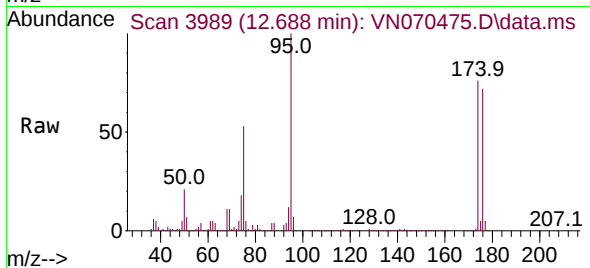
85 0.0 32.4 97.2#



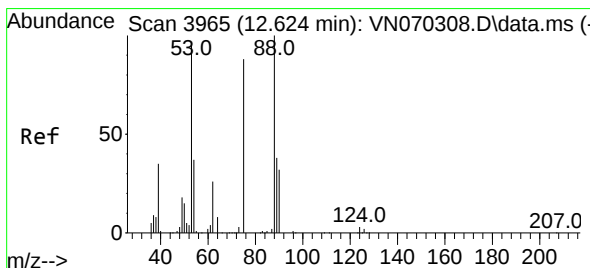
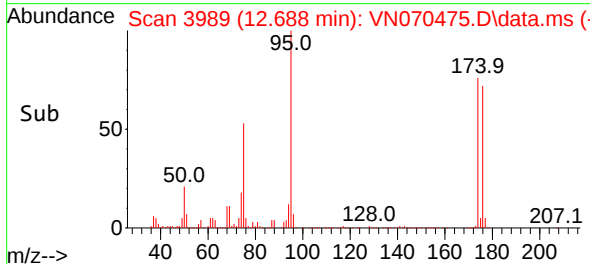
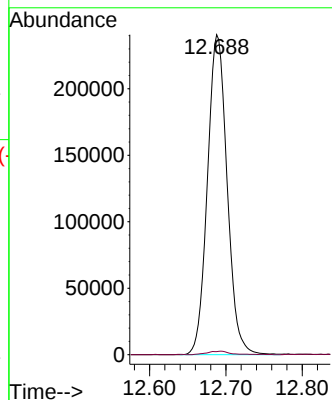


#76
1,2,3-Trichloropropane
Concen: 27.084 ug/l
RT: 12.688 min Scan# 3989
Delta R.T. -0.190 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

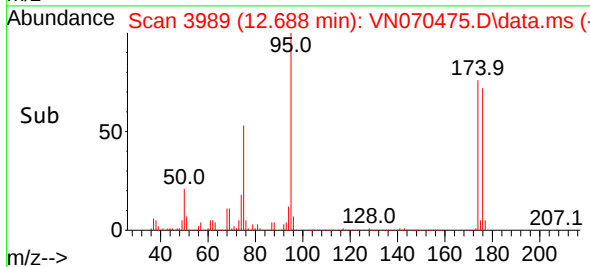
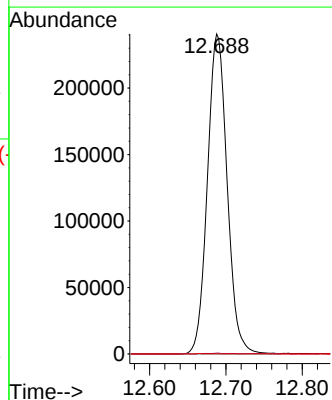
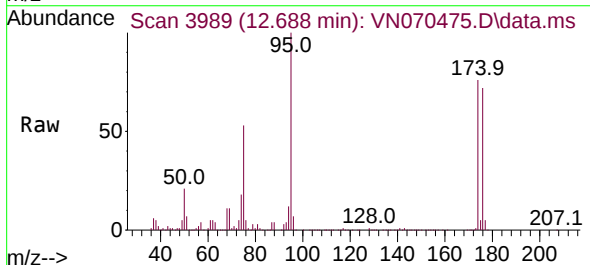


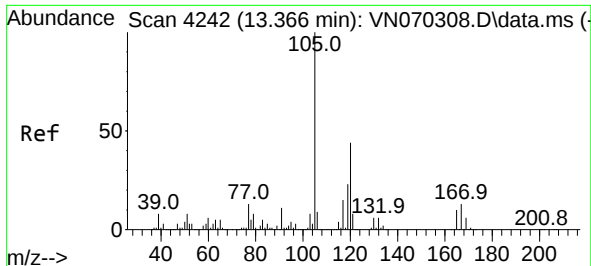
Tgt Ion: 75 Resp: 431778
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.169 ug/l
RT: 12.688 min Scan# 3989
Delta R.T. 0.064 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion: 75 Resp: 431778
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

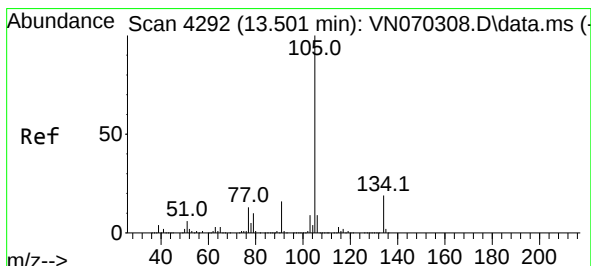
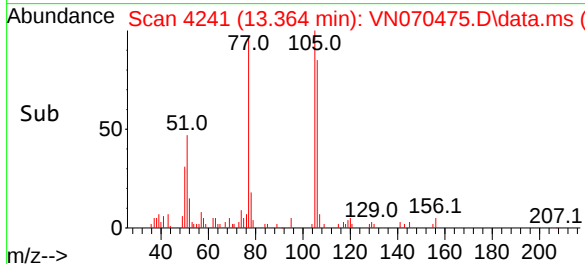
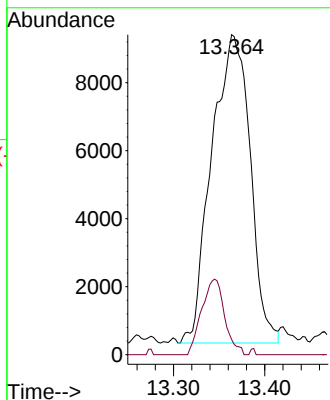
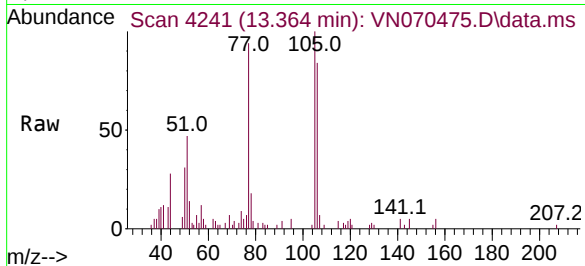




#84
1,2,4-Trimethylbenzene
Concen: 0.655 ug/l
RT: 13.364 min Scan# 4241
Delta R.T. -0.002 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

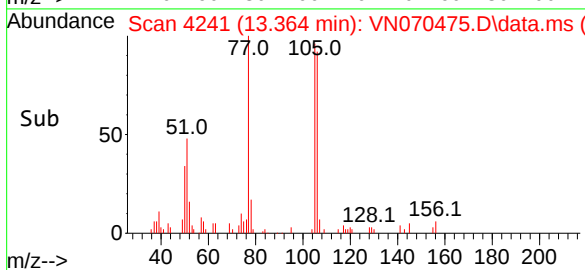
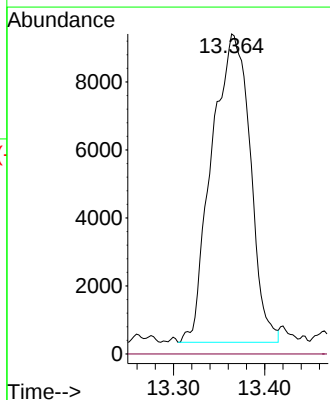
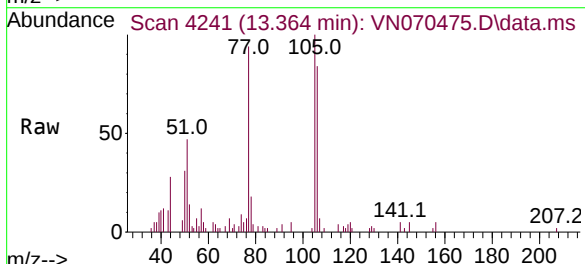
Instrument :
MSVOA_N
ClientSampleId :

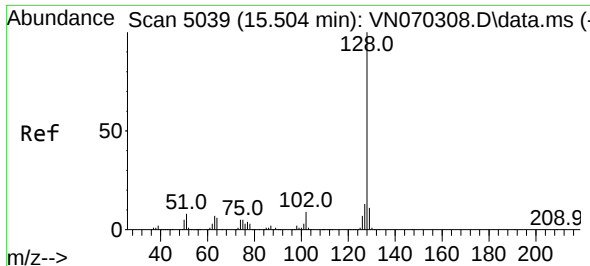
Tgt Ion:105 Resp: 26580
Ion Ratio Lower Upper
105 100
120 14.6 22.8 68.4#



#85
sec-Butylbenzene
Concen: 0.528 ug/l
RT: 13.364 min Scan# 4241
Delta R.T. -0.137 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion:105 Resp: 26580
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

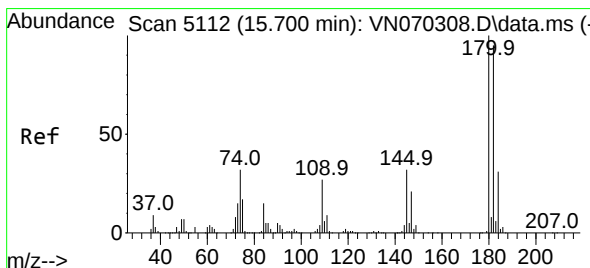
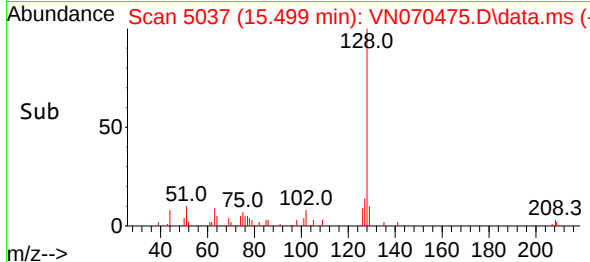
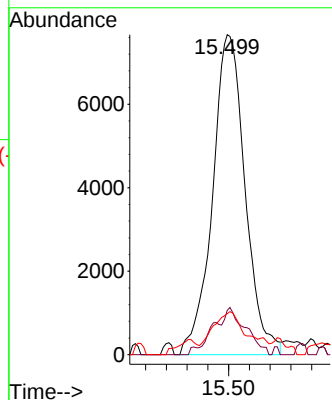
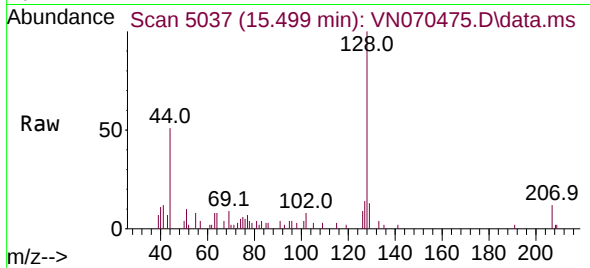




#95
Naphthalene
Concen: 2.422 ug/l
RT: 15.499 min Scan# 5105
Delta R.T. -0.005 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 16719
Ion Ratio Lower Upper
128 100
127 9.5 10.5 15.7#
129 12.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.896 ug/l
RT: 15.684 min Scan# 5106
Delta R.T. -0.016 min
Lab File: VN070475.D
Acq: 4 Jan 2022 20:06

Tgt Ion:180 Resp: 637
Ion Ratio Lower Upper
180 100
182 7.8 47.4 142.2#
145 30.6 15.0 45.1

