

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122821\
 Data File : VN070325.D
 Acq On : 28 Dec 2021 11:03
 Operator : JC/MD
 Sample : VN1228MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 17:19:14 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)

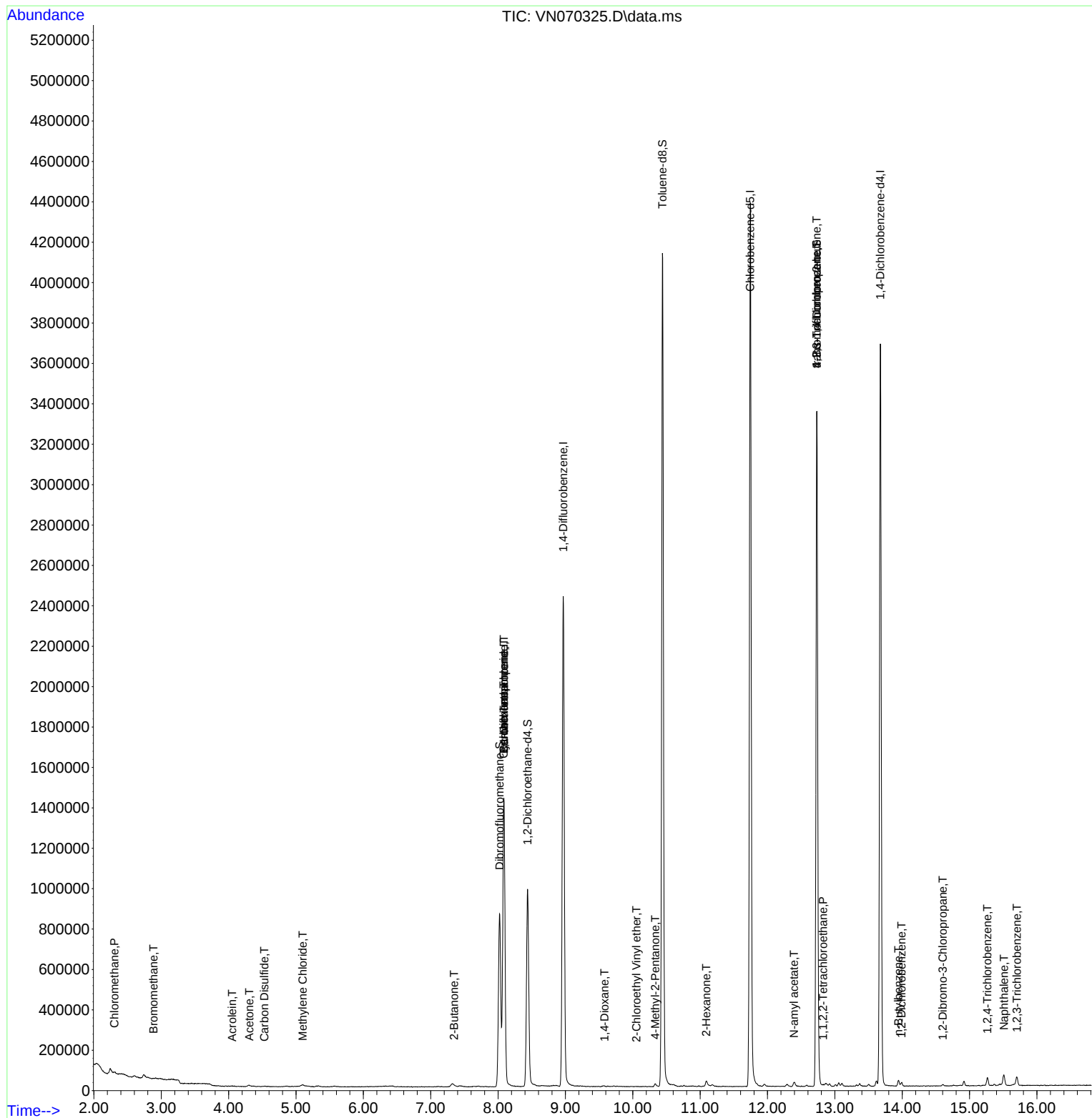
Internal Standards						
1) Pentafluorobenzene	8.086	168	1095689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2122679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2525007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1007873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	839408	53.282	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.560%	
35) Dibromofluoromethane	8.024	113	644399	50.174	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.340%	
50) Toluene-d8	10.440	98	2846676	54.257	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.520%	
62) 4-Bromofluorobenzene	12.731	95	1220581	64.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 128.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3826	0.226	ug/l	99
5) Bromomethane	2.885	94	2208	0.278	ug/l	88
13) Acrolein	4.052	56	2253	1.059	ug/l #	75
16) Acetone	4.309	43	10365	1.014	ug/l #	82
17) Carbon Disulfide	4.529	76	6219	0.204	ug/l #	93
20) Methylene Chloride	5.101	84	4545	0.321	ug/l #	87
25) 2-Butanone	7.345	43	4209	0.327	ug/l	91
31) Cyclohexane	8.083	56	26146	1.052	ug/l #	16
36) 1,1-Dichloropropene	8.086	75	90597	4.264	ug/l #	48
38) Carbon Tetrachloride	8.086	117	110261	5.435	ug/l #	16
49) 1,4-Dioxane	9.579	88	552	1.821	ug/l #	21
51) 4-Methyl-2-Pentanone	10.333	43	12035	0.441	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.054	63	52	18.520	ug/l #	45
59) 2-Hexanone	11.089	43	27472	1.381	ug/l	89
74) N-amyl acetate	12.393	43	15937	0.405	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.825	83	2711	0.526	ug/l #	82
76) 1,2,3-Trichloropropane	12.731	75	646801	23.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	646801	78.407	ug/l #	5
89) n-Butylbenzene	13.943	91	17620	0.300	ug/l	95
91) 1,2-Dichlorobenzene	13.991	146	7745	0.220	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.603	75	2074	0.383	ug/l	82
93) 1,2,4-Trichlorobenzene	15.263	180	13335	0.803	ug/l	95
95) Naphthalene	15.509	128	50627	2.860	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	17191	1.890	ug/l	96

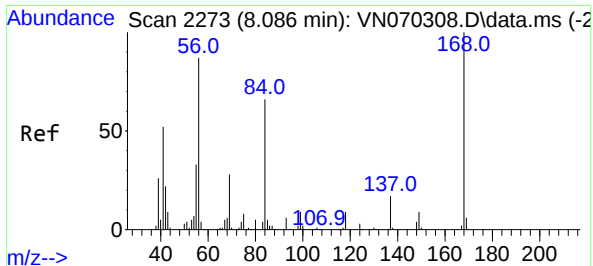
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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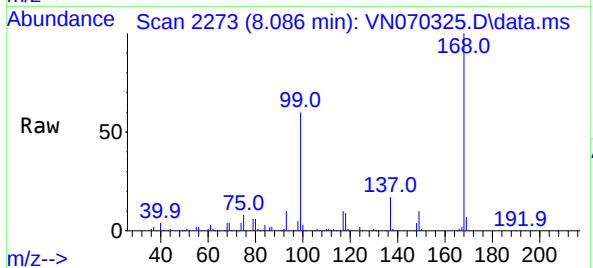
Quant Time: Dec 28 17:19:14 2021
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Quant Title : SW846 8260
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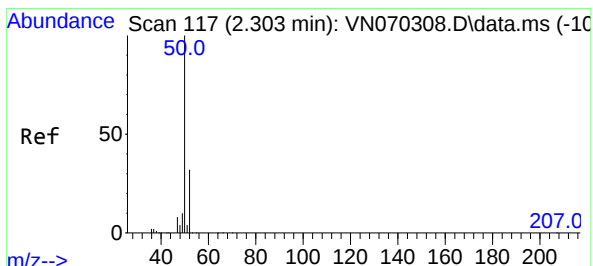
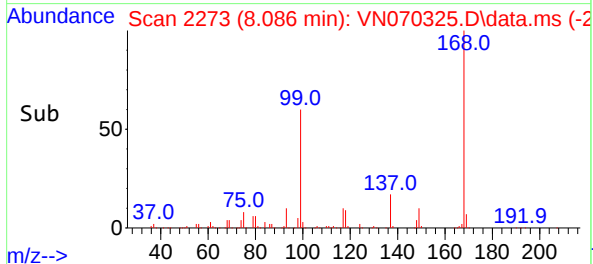
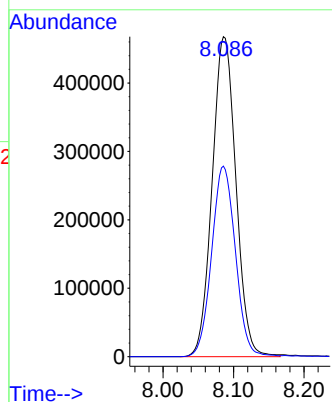


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :

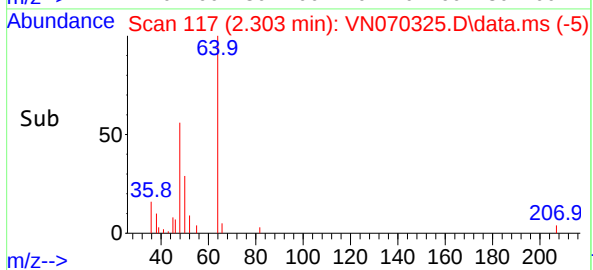
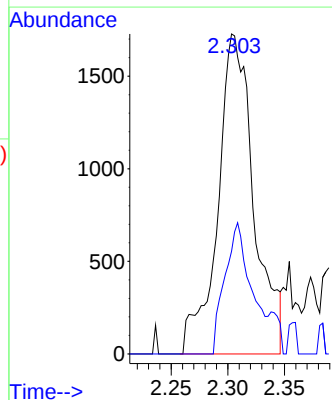
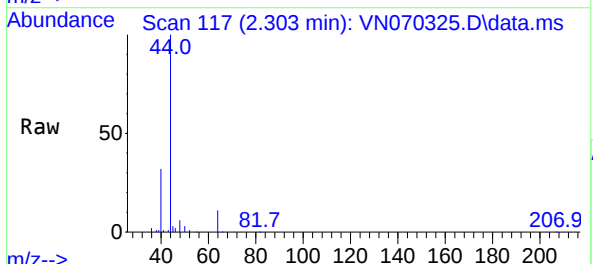


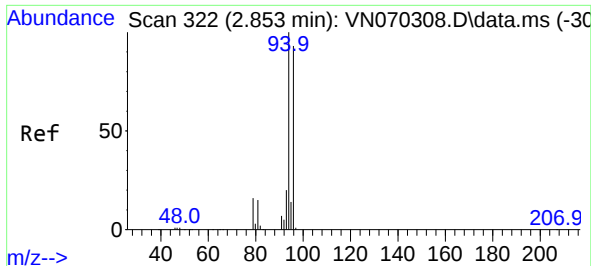
Tgt Ion:168 Resp: 1095689
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 50 Resp: 3826
Ion Ratio Lower Upper
50 100
52 32.1 25.4 38.0

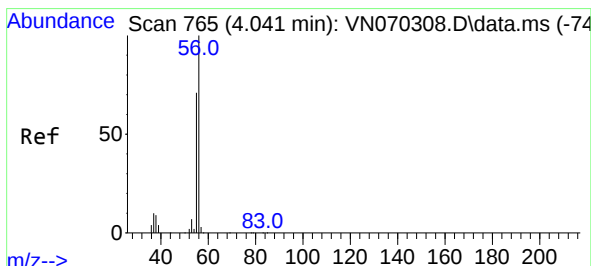
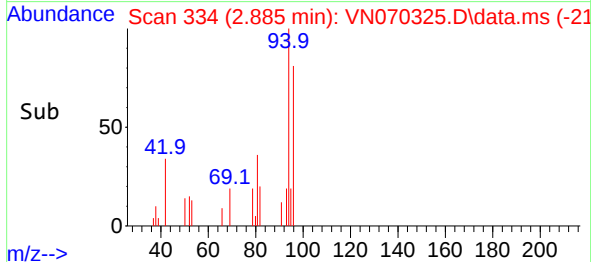
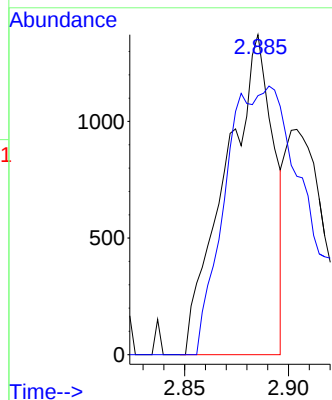
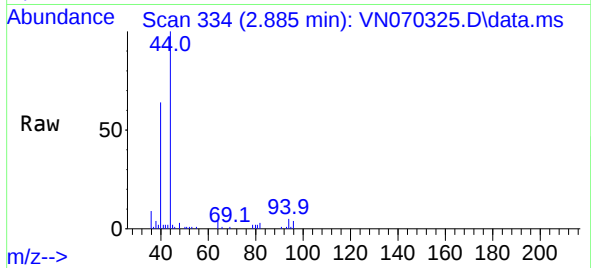




#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.885 min Scan# 31
Delta R.T. 0.032 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

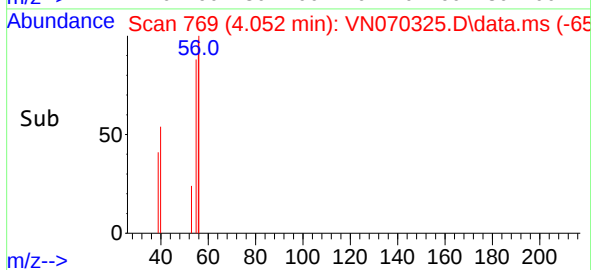
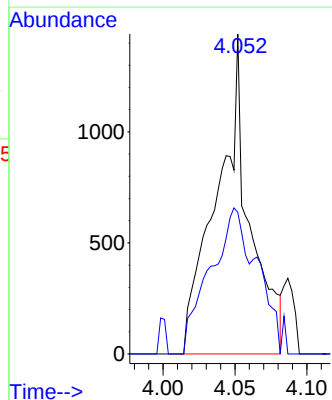
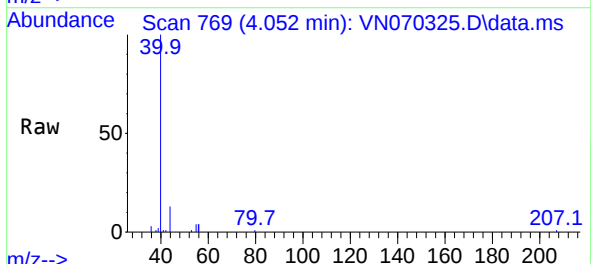
Instrument :
MSVOA_N
ClientSampleId :

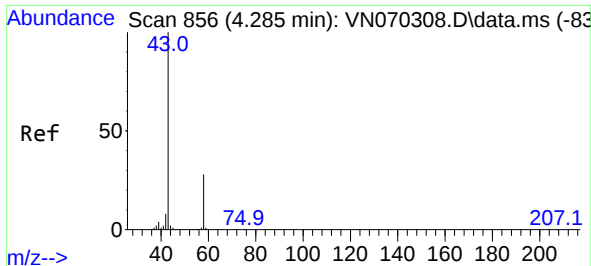
Tgt Ion: 94 Resp: 2208
Ion Ratio Lower Upper
94 100
96 81.0 73.8 110.8



#13
Acrolein
Concen: 1.059 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 56 Resp: 2253
Ion Ratio Lower Upper
56 100
55 50.1 56.6 85.0#

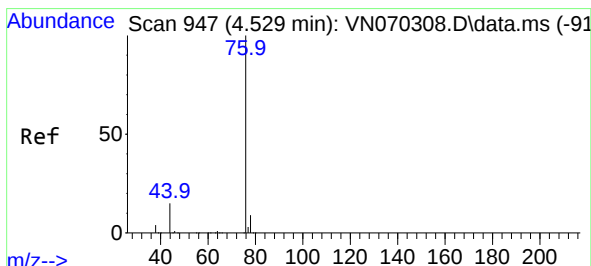
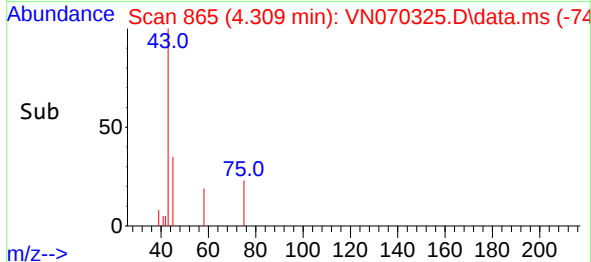
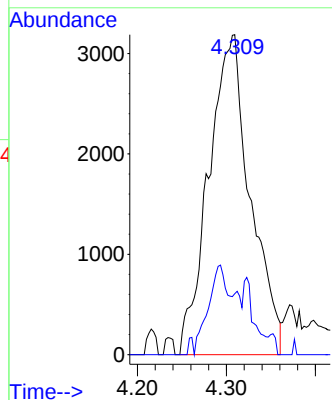
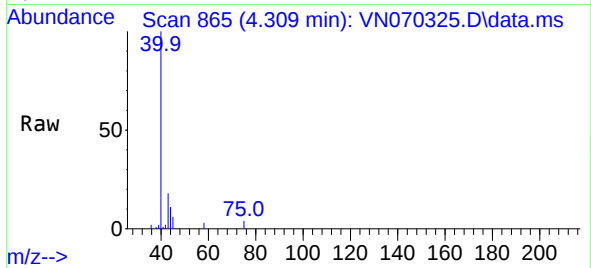




#16
Acetone
Concen: 1.014 ug/l
RT: 4.309 min Scan# 80
Delta R.T. 0.024 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

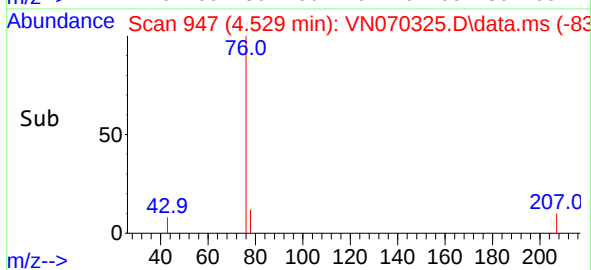
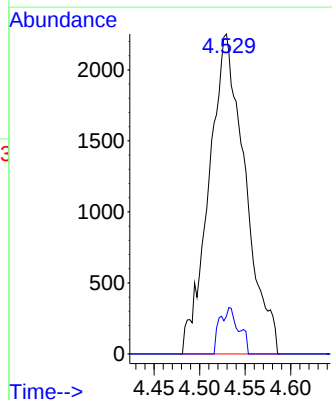
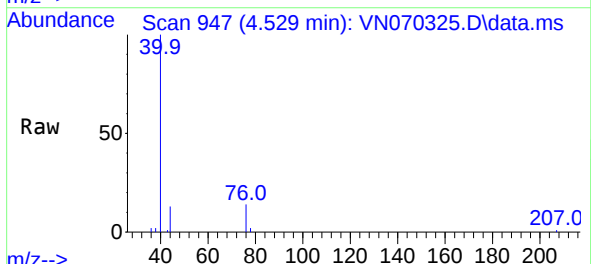
Instrument :
MSVOA_N
ClientSampleId :

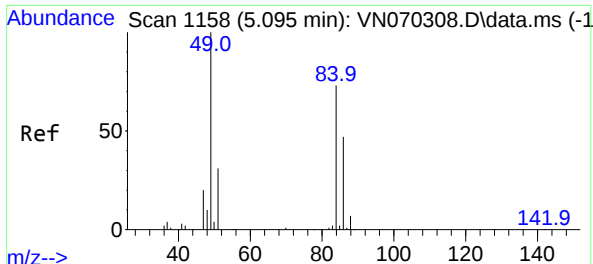
Tgt Ion: 43 Resp: 10365
Ion Ratio Lower Upper
43 100
58 19.0 23.1 34.7#



#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

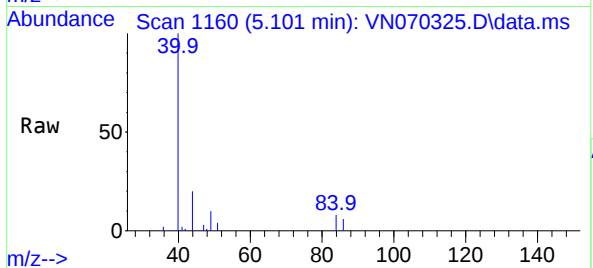
Tgt Ion: 76 Resp: 6219
Ion Ratio Lower Upper
76 100
78 11.8 7.5 11.3#



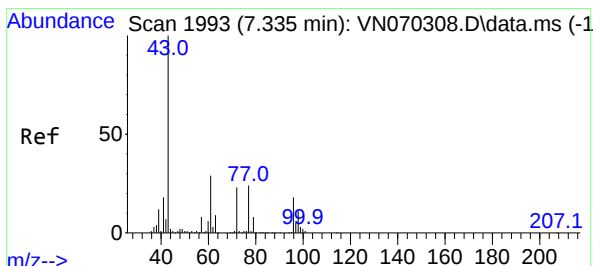
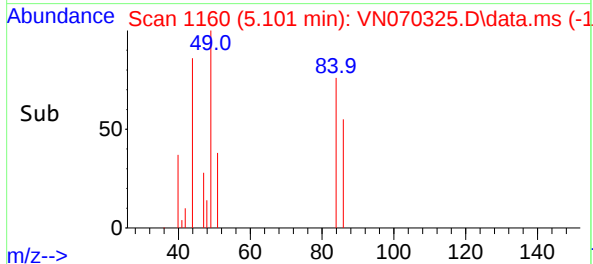
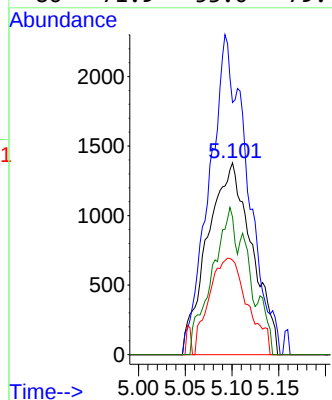


#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.101 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :

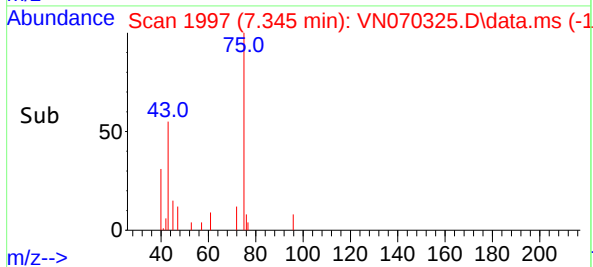
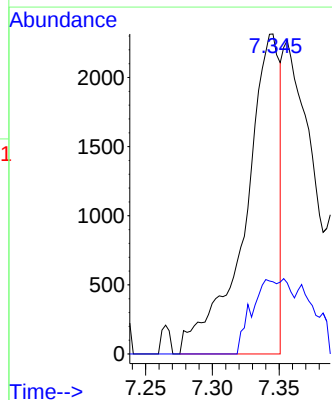
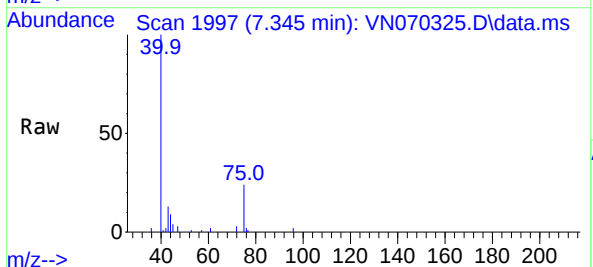


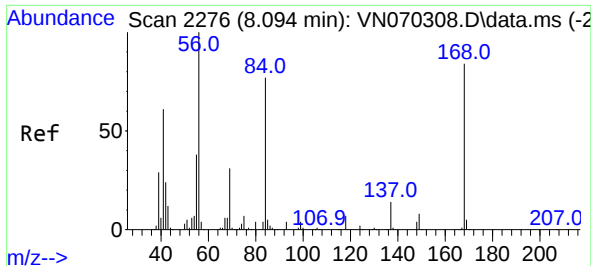
Tgt Ion: 84 Resp: 4545
Ion Ratio Lower Upper
84 100
49 131.5 93.5 140.3
51 49.3 29.4 44.2#
86 71.9 53.0 79.4



#25
2-Butanone
Concen: 0.327 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

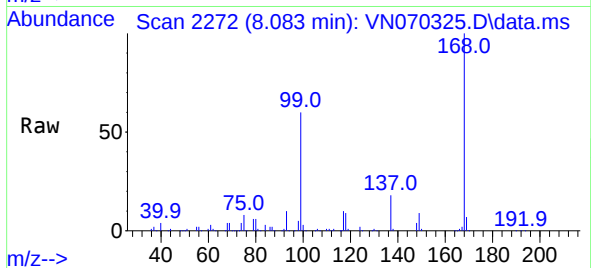
Tgt Ion: 43 Resp: 4209
Ion Ratio Lower Upper
43 100
72 22.5 21.7 32.5



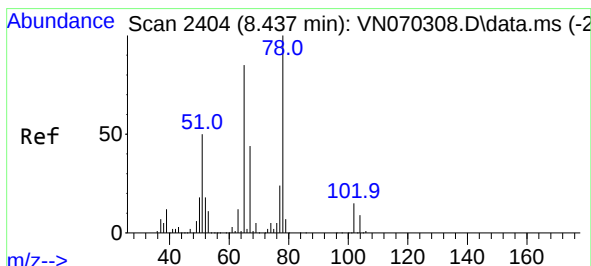
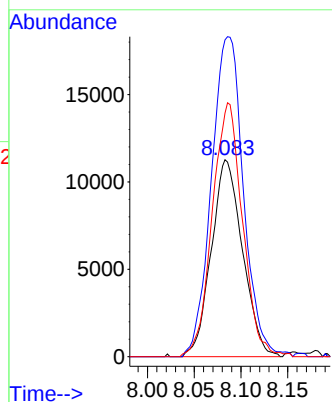
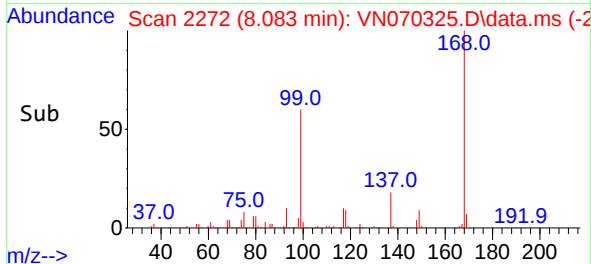


#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
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ClientSampleId :

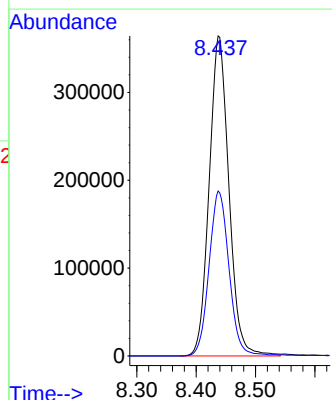
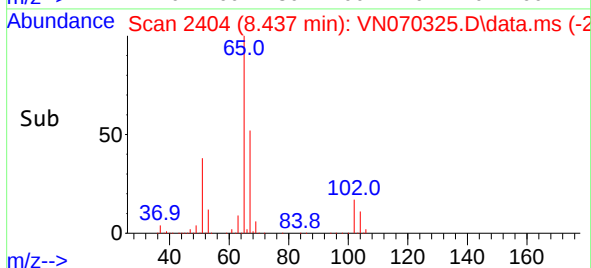
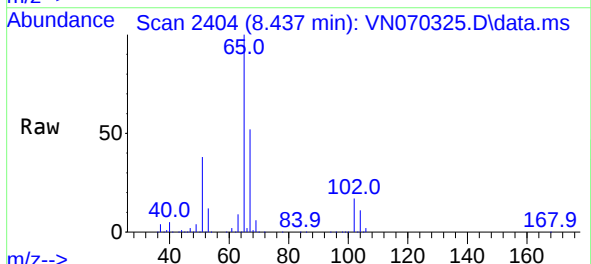


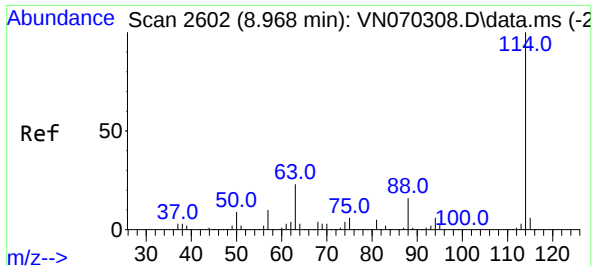
Tgt Ion: 56 Resp: 26146
Ion Ratio Lower Upper
56 100
69 160.9 27.1 40.7#
84 123.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.282 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 65 Resp: 839408
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070325.D

Acq: 28 Dec 2021 11:03

Instrument :

MSVOA_N

ClientSampleId :

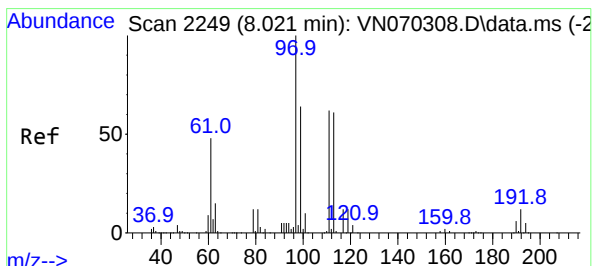
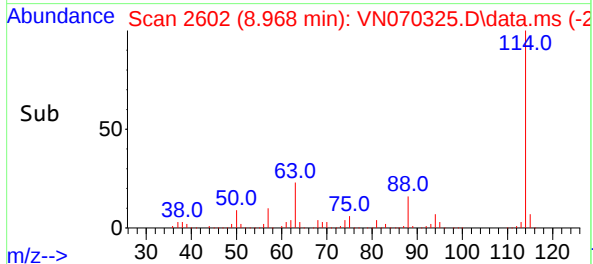
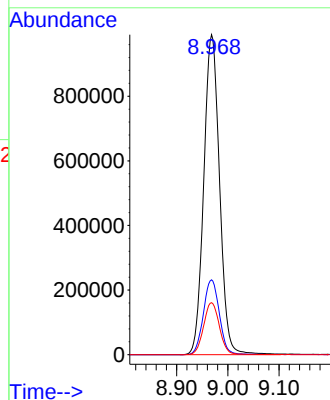
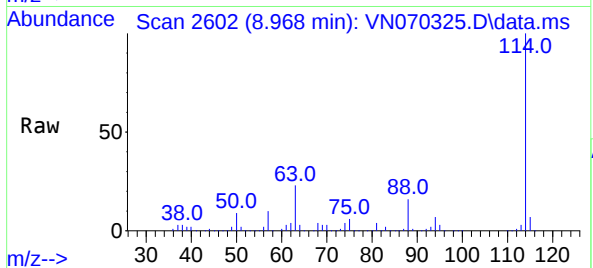
Tgt Ion:114 Resp: 2122679

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 50.174 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070325.D

Acq: 28 Dec 2021 11:03

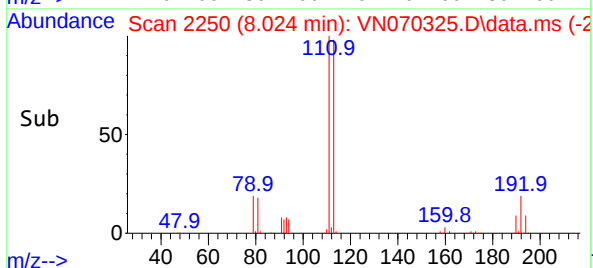
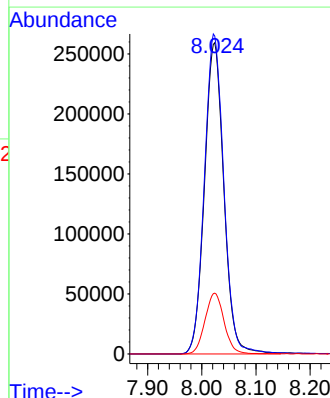
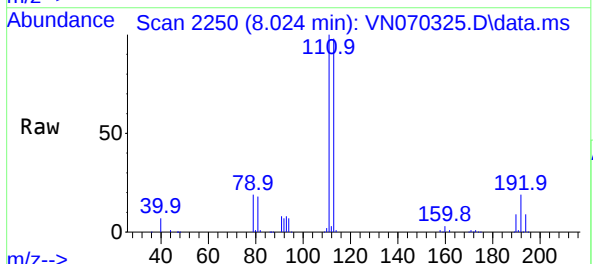
Tgt Ion:113 Resp: 644399

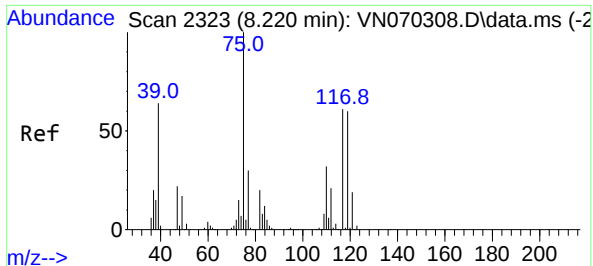
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.134 min

Lab File: VN070325.D

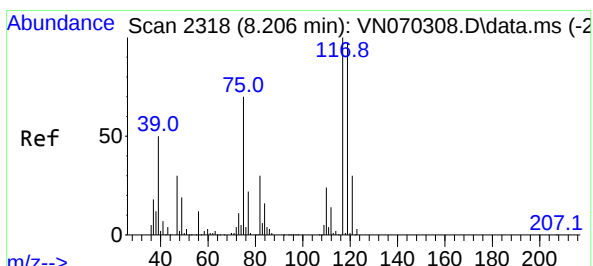
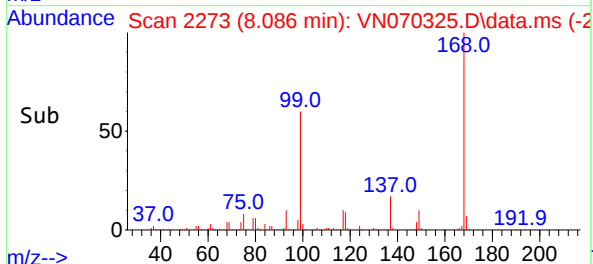
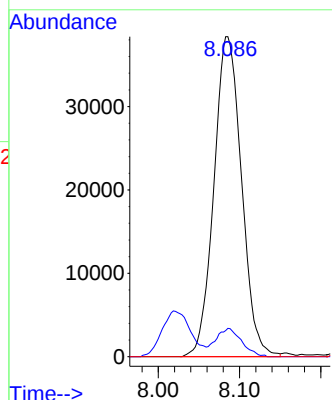
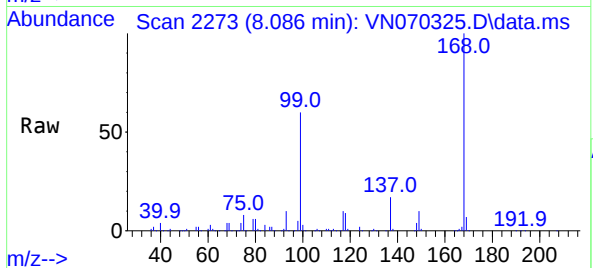
Acq: 28 Dec 2021 11:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	90597
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

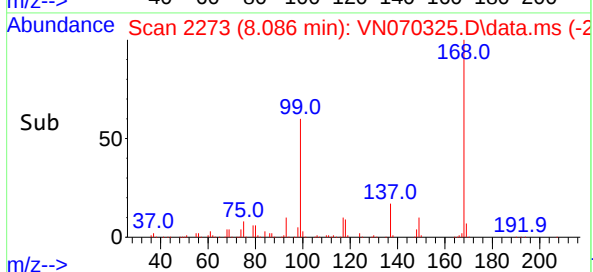
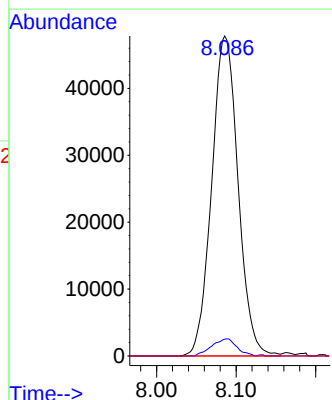
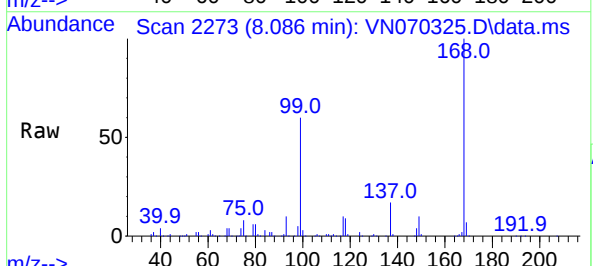
RT: 8.086 min Scan# 2273

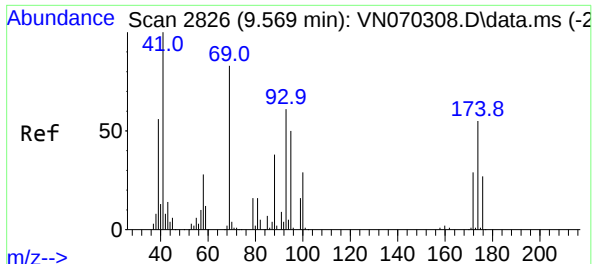
Delta R.T. -0.120 min

Lab File: VN070325.D

Acq: 28 Dec 2021 11:03

Tgt Ion:	117	Resp:	110261
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.1	114.1#
121	0.0	24.2	36.2#

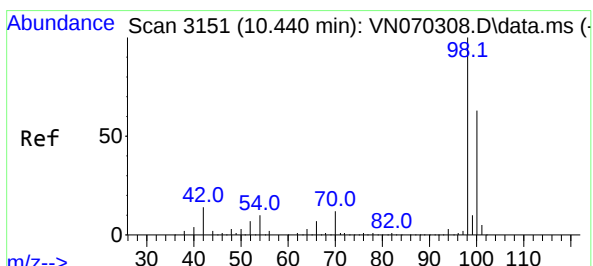
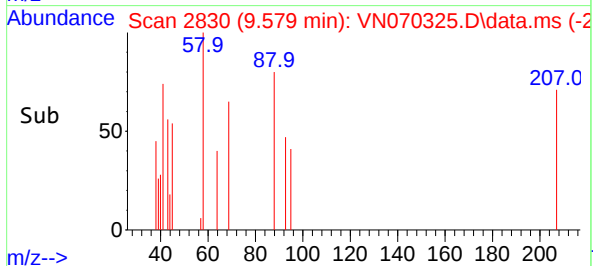
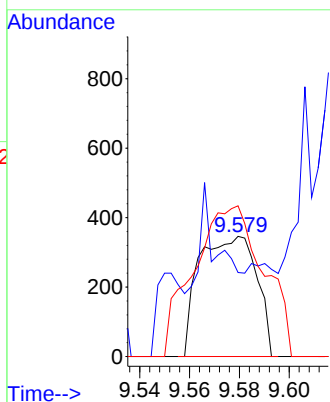
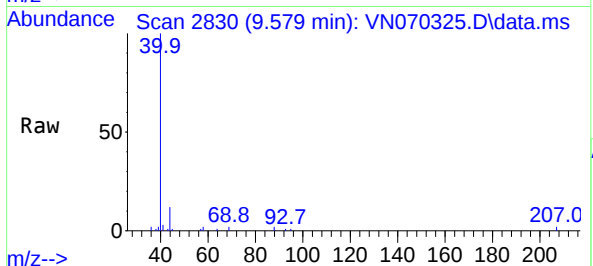




#49
1,4-Dioxane
Concen: 1.821 ug/l
RT: 9.579 min Scan# 21
Delta R.T. 0.010 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

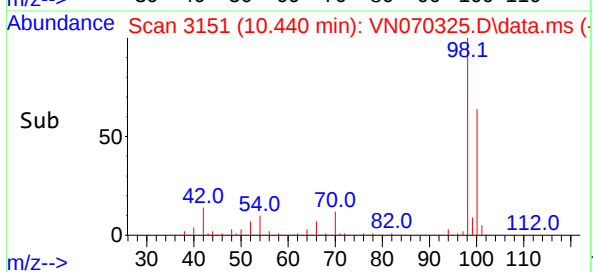
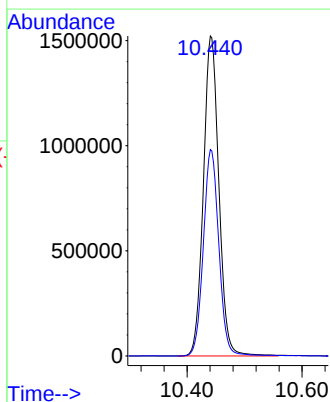
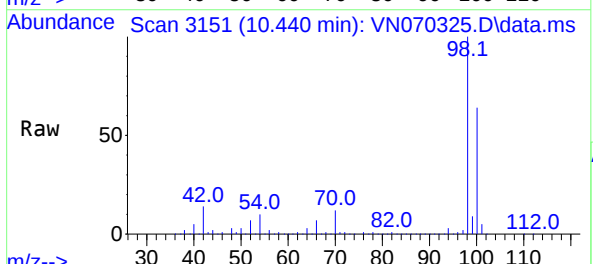
Instrument :
MSVOA_N
ClientSampleId :

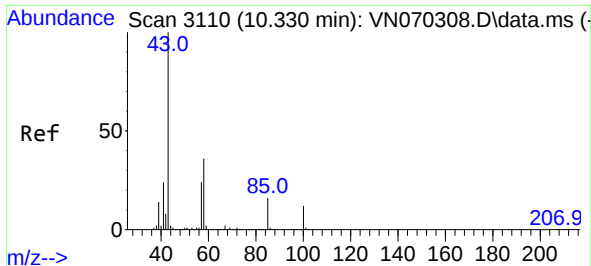
Tgt Ion: 88 Resp: 552
Ion Ratio Lower Upper
88 100
43 27.7 23.4 35.2
58 152.4 50.6 75.8#



#50
Toluene-d8
Concen: 54.257 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 98 Resp: 2846676
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.441 ug/l

RT: 10.333 min Scan# 3110

Delta R.T. 0.003 min

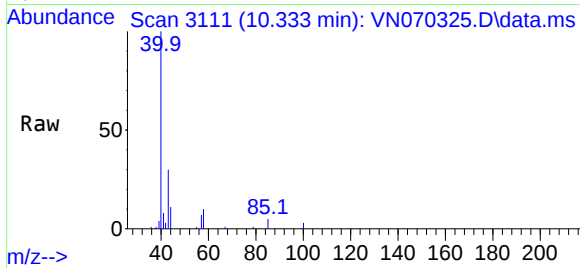
Lab File: VN070325.D

Acq: 28 Dec 2021 11:03

Instrument :

MSVOA_N

ClientSampleId :

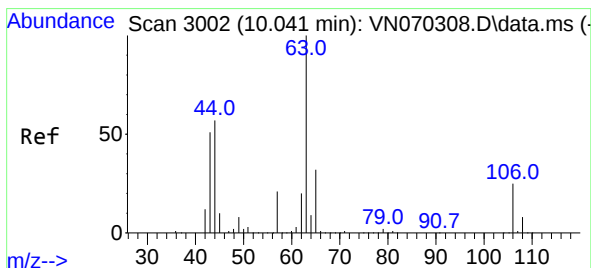
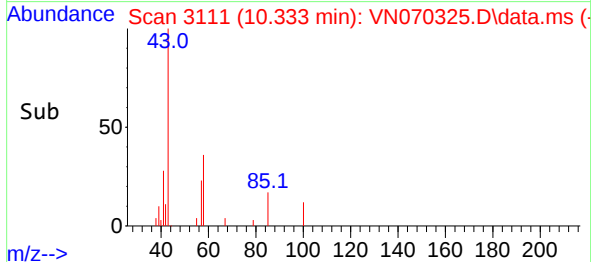
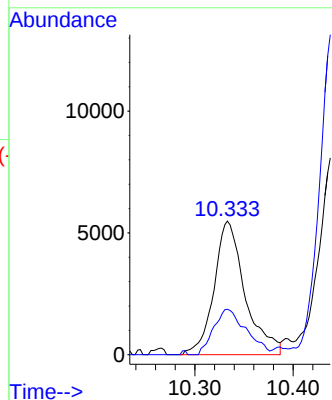


Tgt Ion: 43 Resp: 12035

Ion Ratio Lower Upper

43 100

58 35.5 30.4 45.6



#58

2-Chloroethyl Vinyl ether

Concen: 18.520 ug/l

RT: 10.054 min Scan# 3007

Delta R.T. 0.013 min

Lab File: VN070325.D

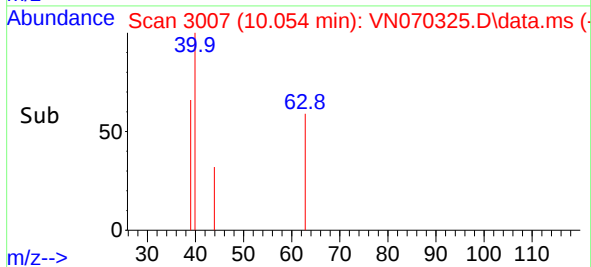
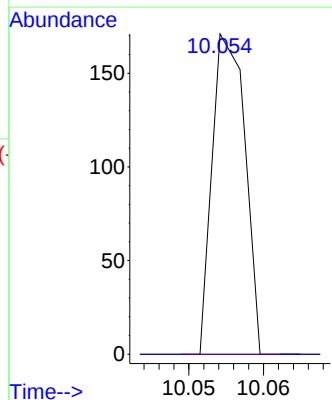
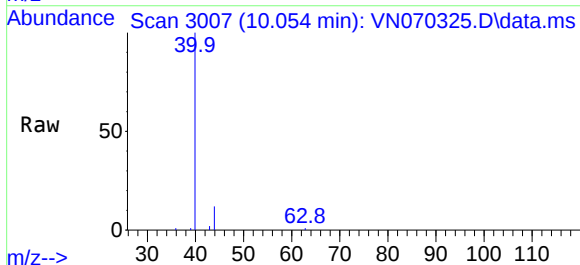
Acq: 28 Dec 2021 11:03

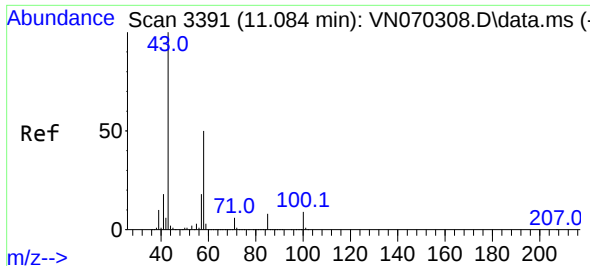
Tgt Ion: 63 Resp: 52

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

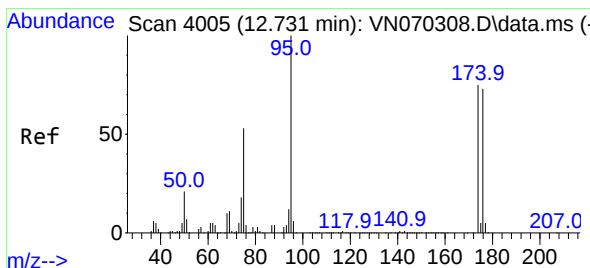
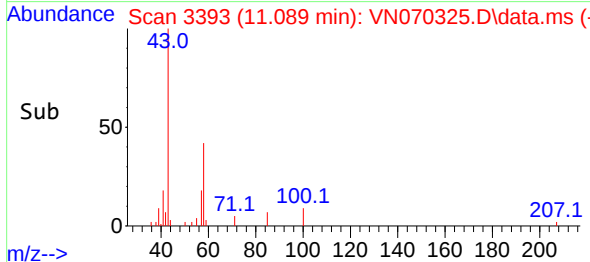
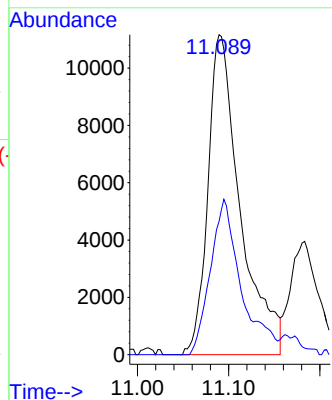
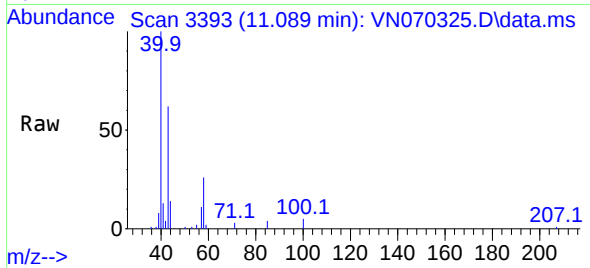




#59
2-Hexanone
Concen: 1.381 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

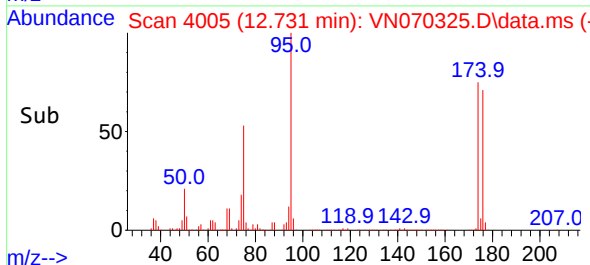
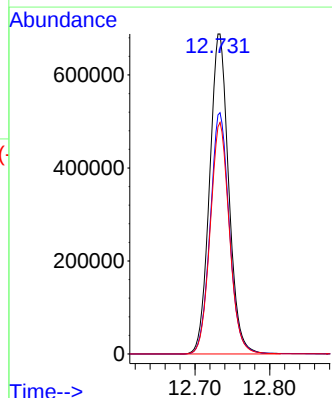
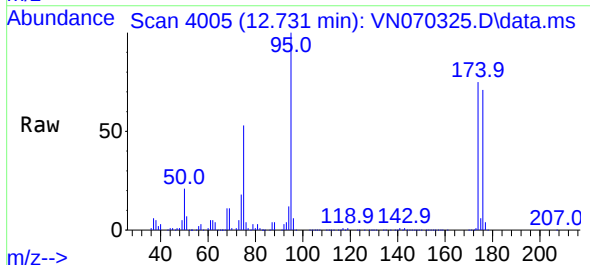
Instrument :
MSVOA_N
ClientSampleId :

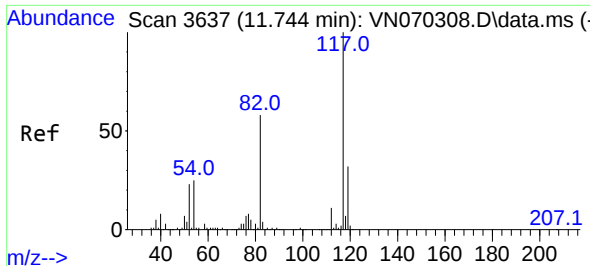
Tgt Ion: 43 Resp: 27472
Ion Ratio Lower Upper
43 100
58 46.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 64.412 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

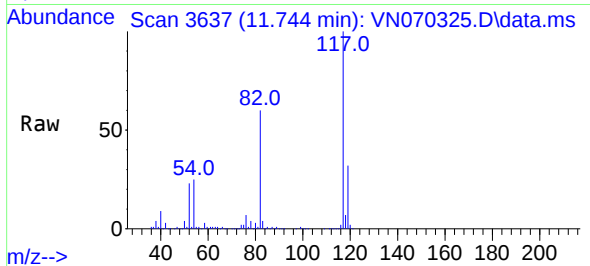
Tgt Ion: 95 Resp: 1220581
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.4 0.0 181.4



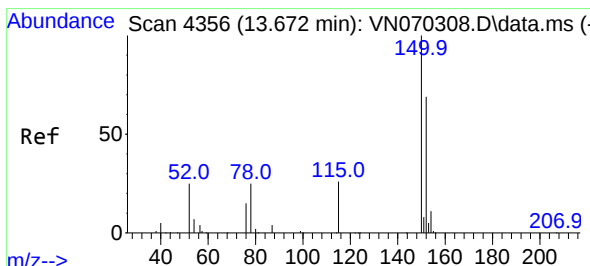
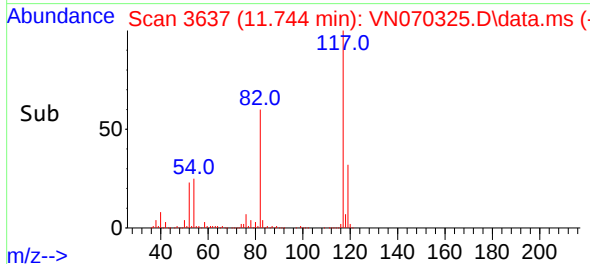
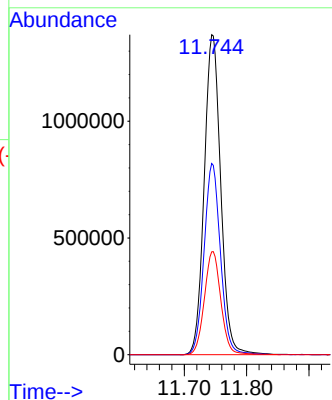


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :

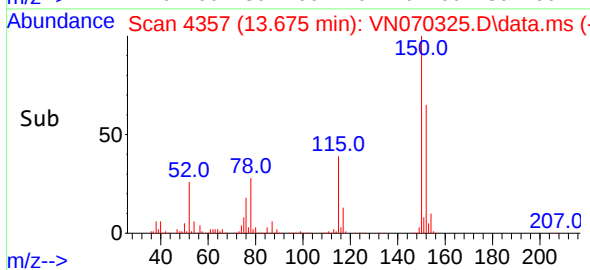
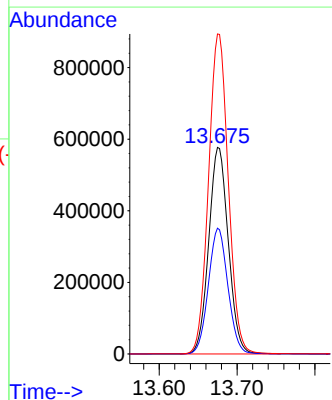
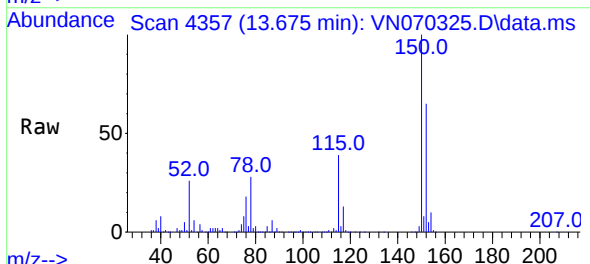


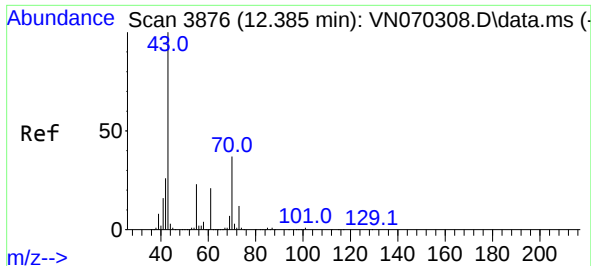
Tgt Ion:117 Resp: 2525007
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

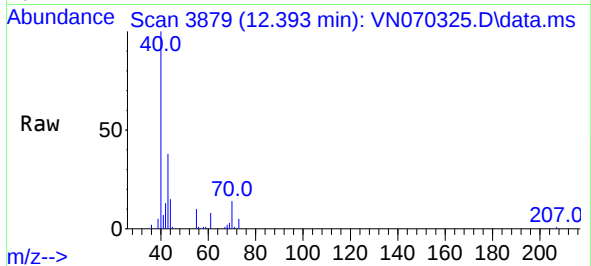
Tgt Ion:152 Resp: 1007873
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 156.1 0.0 344.4





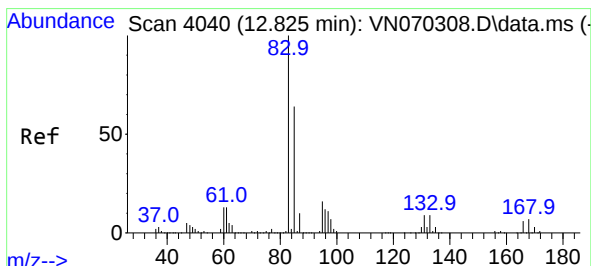
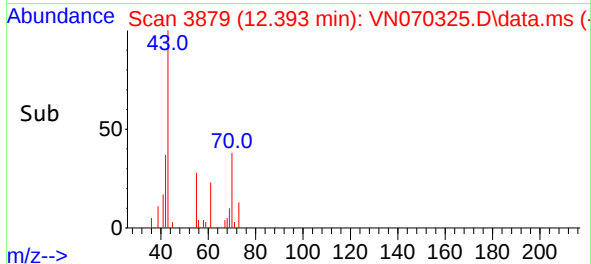
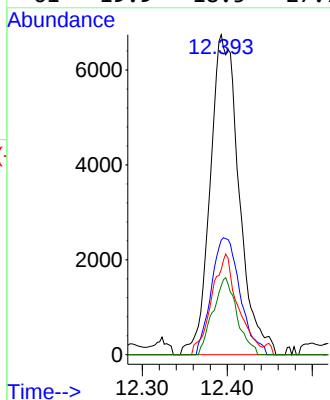
#74
N-amy1 acetate
Concen: 0.405 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.008 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 15937

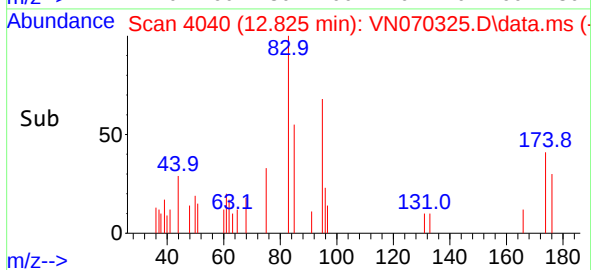
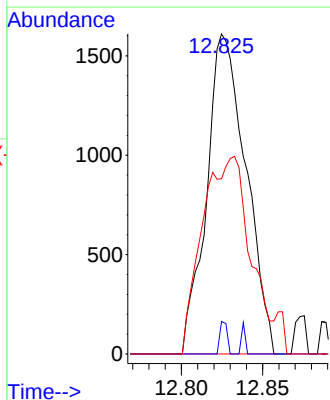
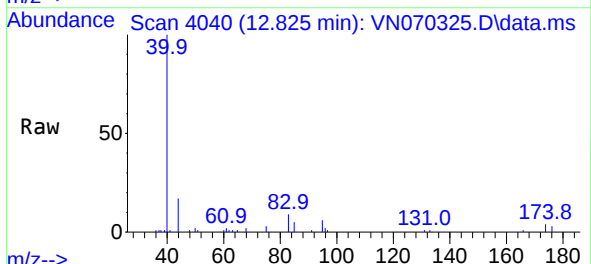
Ion	Ratio	Lower	Upper
43	100		
70	36.3	33.4	50.0
55	28.8	19.3	28.9
61	19.9	18.5	27.7

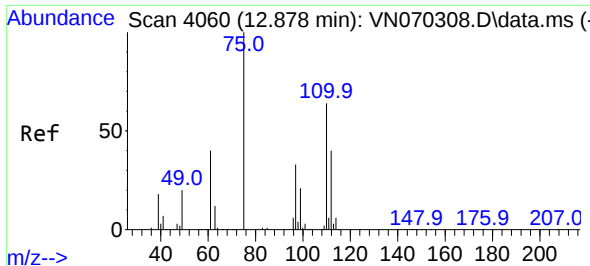


#75
1,1,2,2-Tetrachloroethane
Concen: 0.526 ug/l
RT: 12.825 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 83 Resp: 2711

Ion	Ratio	Lower	Upper
83	100		
131	1.9	5.5	16.5
85	78.1	32.4	97.2

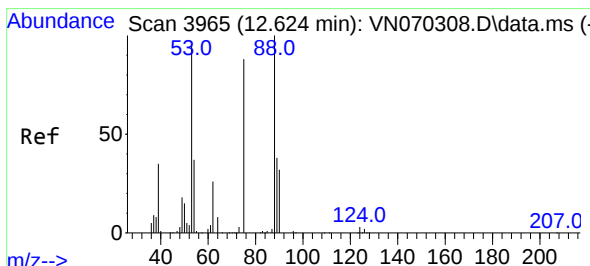
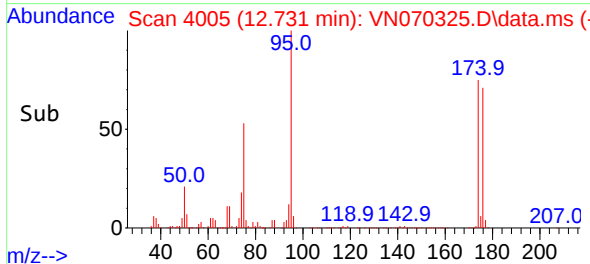
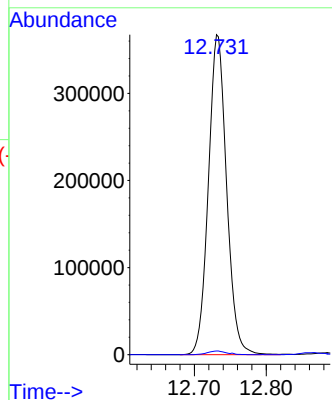
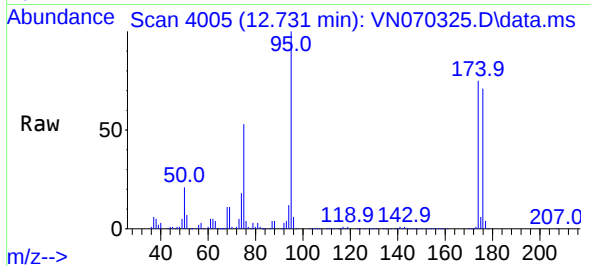




#76
1,2,3-Trichloropropane
Concen: 23.226 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

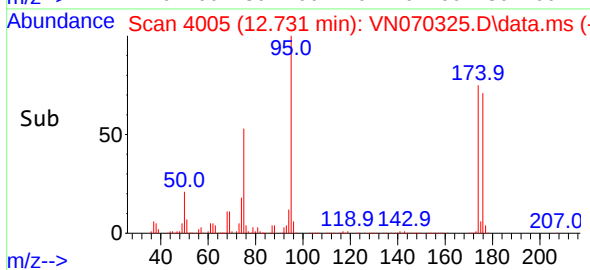
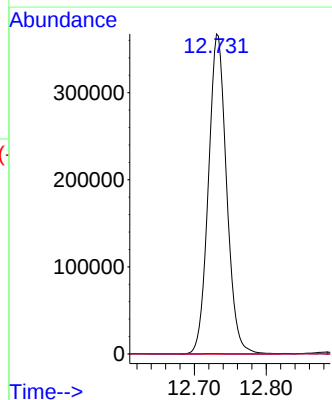
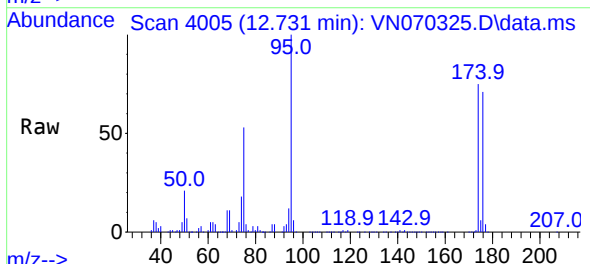
Instrument :
MSVOA_N
ClientSampleId :

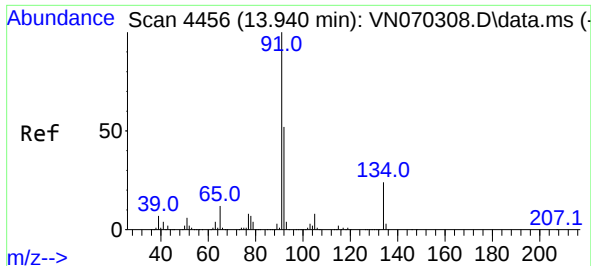
Tgt Ion: 75 Resp: 646801
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.407 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 75 Resp: 646801
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

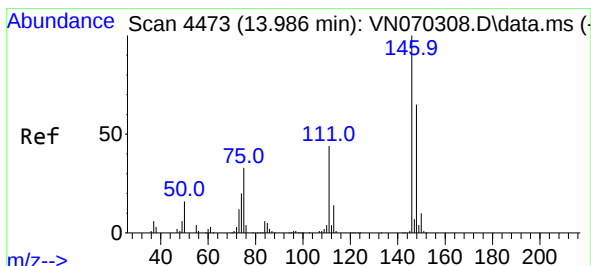
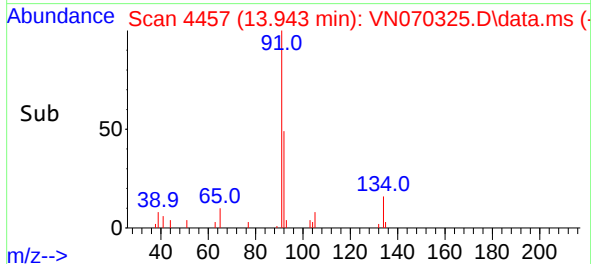
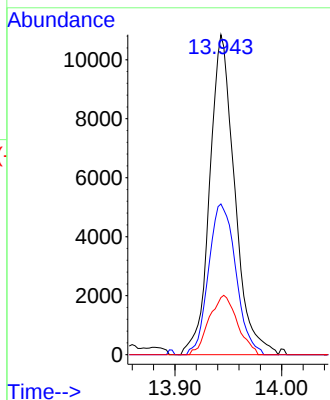
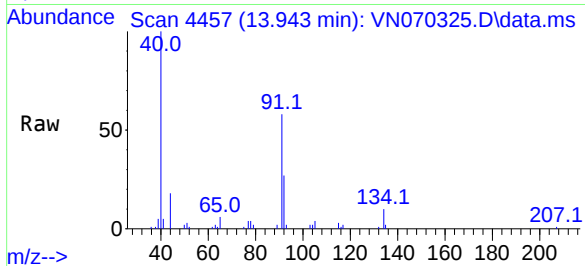




#89
n-Butylbenzene
Concen: 0.300 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

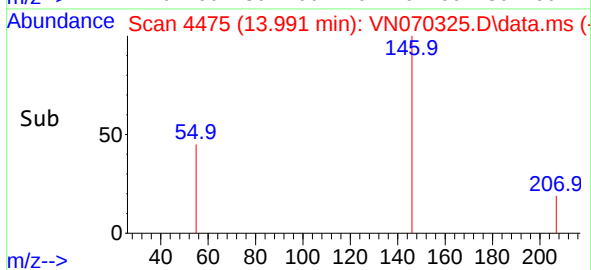
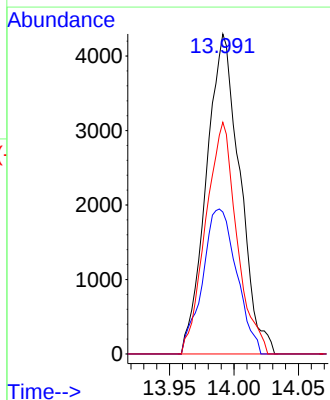
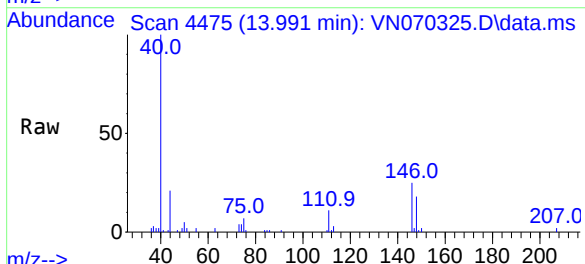
Instrument :
MSVOA_N
ClientSampleId :

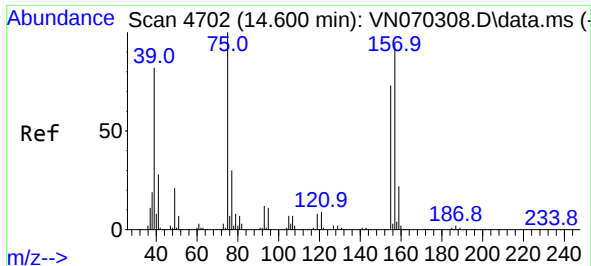
Tgt Ion: 91 Resp: 17620
Ion Ratio Lower Upper
91 100
92 51.5 25.4 76.0
134 20.9 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.005 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion: 146 Resp: 7745
Ion Ratio Lower Upper
146 100
111 46.2 19.1 57.3
148 67.5 32.1 96.3

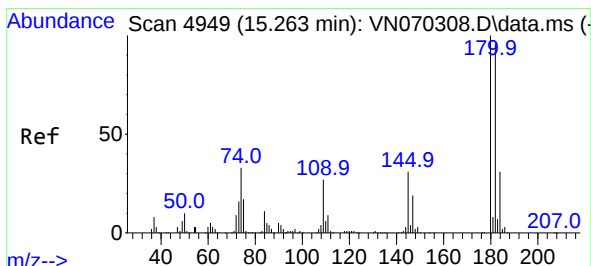
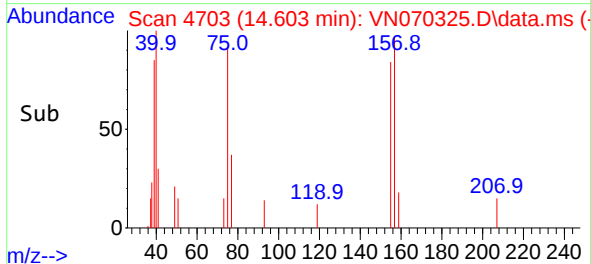
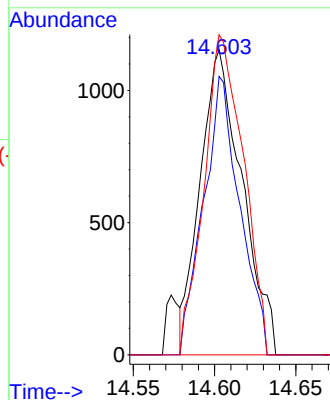
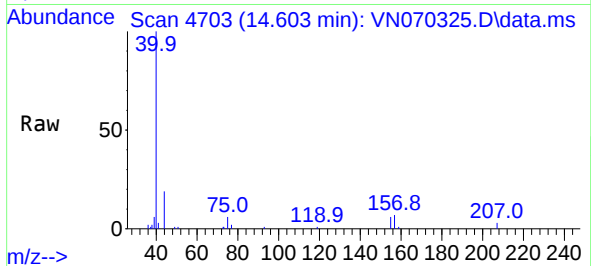




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.383 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.003 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

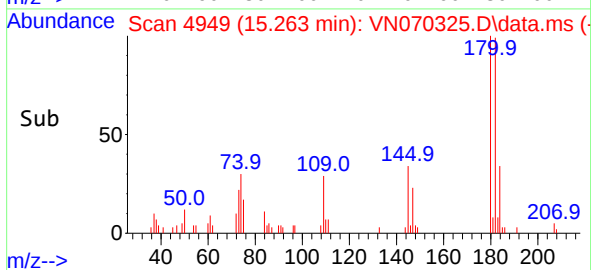
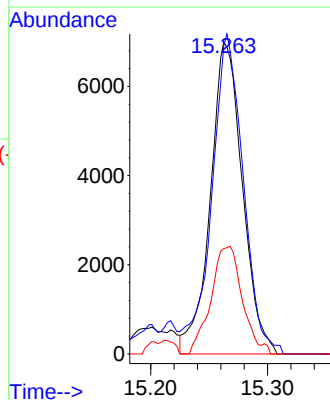
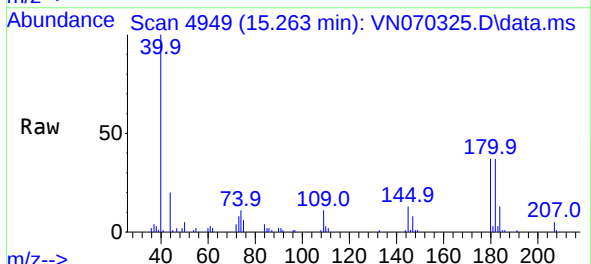
Instrument :
MSVOA_N
ClientSampleId :

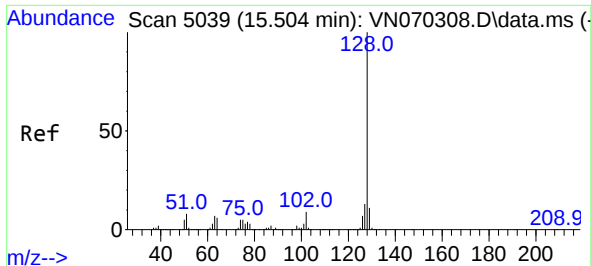
Tgt Ion: 75 Resp: 2074
Ion Ratio Lower Upper
75 100
155 79.0 46.9 140.7
157 98.5 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 0.803 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

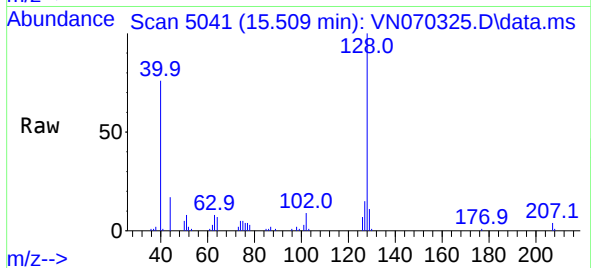
Tgt Ion:180 Resp: 13335
Ion Ratio Lower Upper
180 100
182 100.7 48.3 144.9
145 33.8 14.5 43.5





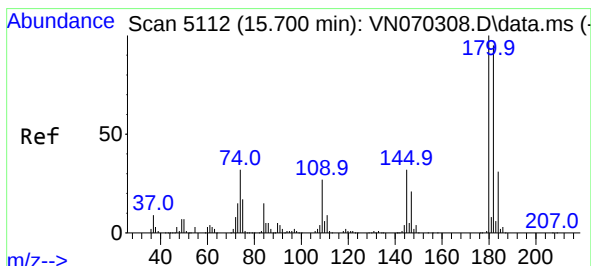
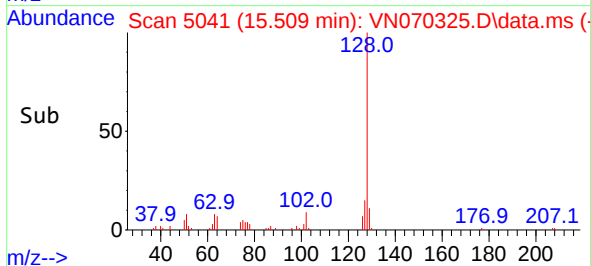
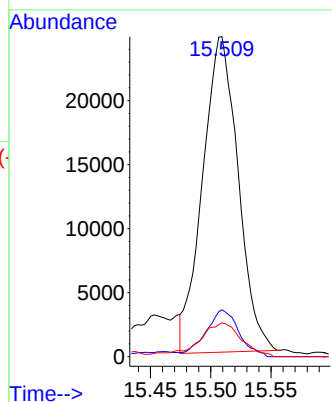
#95
Naphthalene
Concen: 2.860 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 50627

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	12.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.890 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070325.D
Acq: 28 Dec 2021 11:03

Tgt Ion:180 Resp: 17191

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.4	142.2
145	31.2	15.0	45.1

