

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070274.D
 Acq On : 21 Dec 2021 18:00
 Operator : JC/MD
 Sample : M5184-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 20:12:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

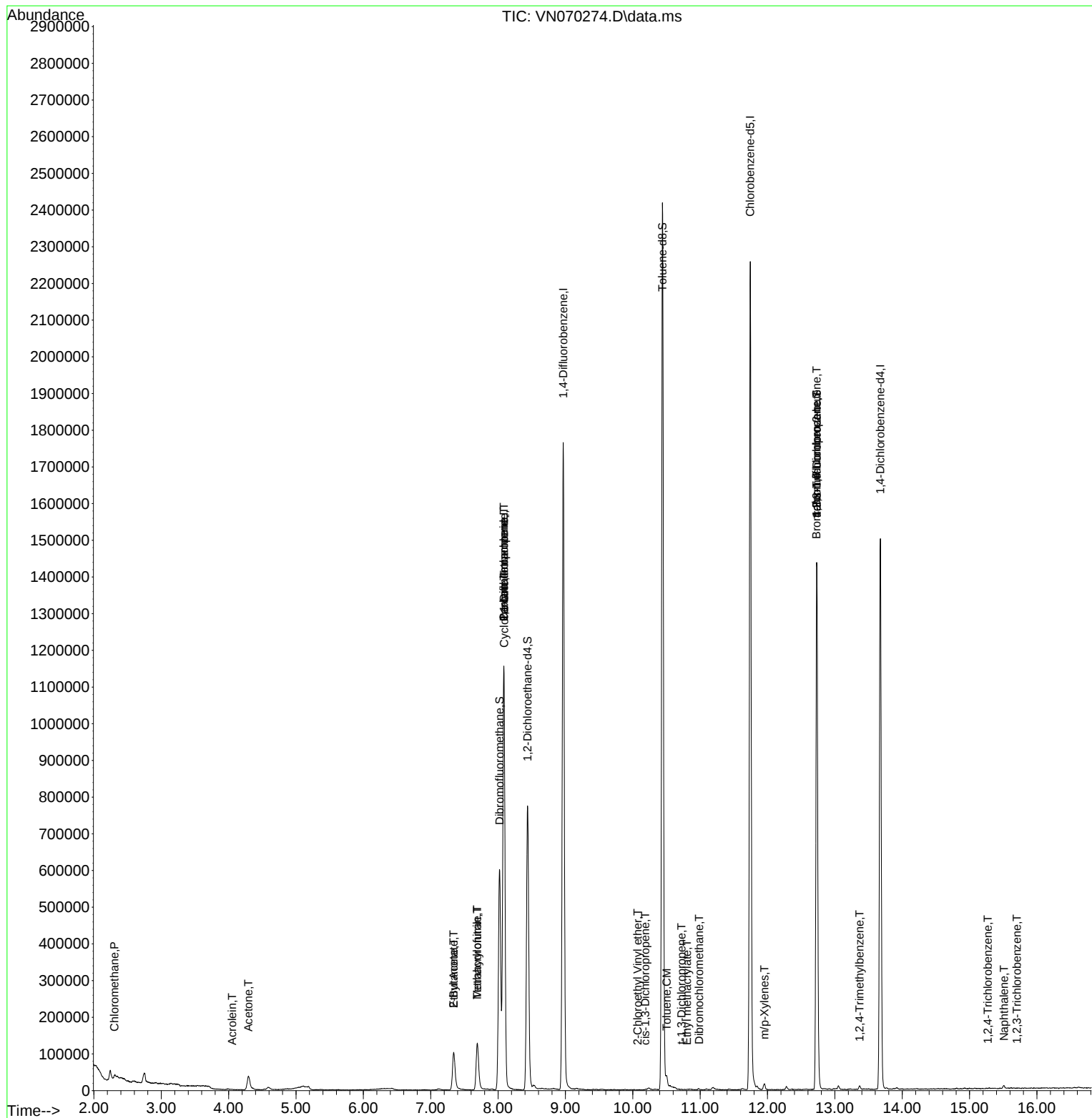
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	880170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1473496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1263650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	412175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	677256	49.835	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.680%
35) Dibromofluoromethane	8.021	113	444556	48.166	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.340%
50) Toluene-d8	10.440	98	1681583	45.374	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.740%
62) 4-Bromofluorobenzene	12.731	95	524054	39.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	78.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3749	0.291	ug/l	96
13) Acrolein	4.052	56	907	0.415	ug/l #	14
16) Acetone	4.293	43	68068	8.326	ug/l	99
25) 2-Butanone	7.340	43	187516	16.882	ug/l	91
29) Tetrahydrofuran	7.691	42	108863	16.141	ug/l #	87
31) Cyclohexane	8.091	56	21511	1.137	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	73794	5.261	ug/l #	44
37) Ethyl Acetate	7.340	43	187516	8.982	ug/l #	69
38) Carbon Tetrachloride	8.086	117	88054	6.401	ug/l #	17
41) Methacrylonitrile	7.689	41	66171	6.752	ug/l #	39
52) Toluene	10.502	92	8185	0.313	ug/l	96
53) t-1,3-Dichloropropene	10.722	75	171	2.804	ug/l #	43
54) cis-1,3-Dichloropropene	10.186	75	151	2.007	ug/l #	62
56) Ethyl methacrylate	10.805	69	93	2.284	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.070	63	89	18.404	ug/l #	45
60) Dibromochloromethane	10.985	129	854	2.448	ug/l #	11
68) m/p-Xylenes	11.956	106	4741	0.280	ug/l #	45
71) Bromoform	12.728	173	2015	2.978	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	283911	24.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	283911	76.288	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	5929	0.211	ug/l	96
93) 1,2,4-Trichlorobenzene	15.271	180	177	2.903	ug/l #	80
95) Naphthalene	15.509	128	7716	4.338	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.702	180	251	2.472	ug/l #	25

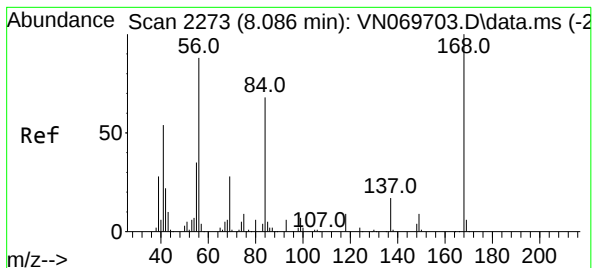
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
Data File : VN070274.D
Acq On : 21 Dec 2021 18:00
Operator : JC/MD
Sample : M5184-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 21 20:12:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

Instrument :

MSVOA_N

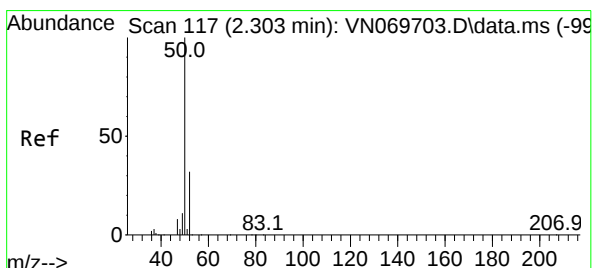
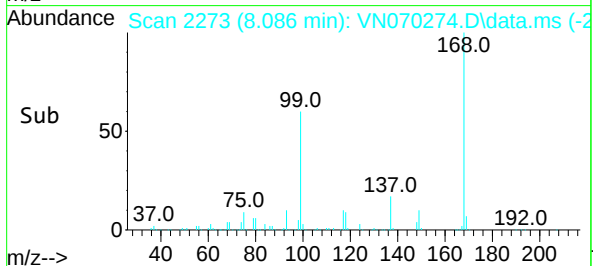
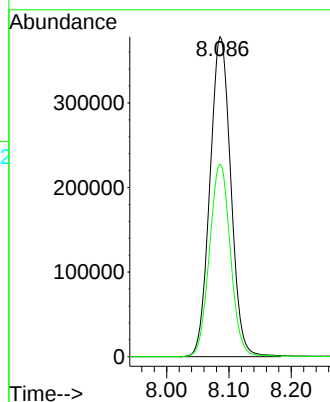
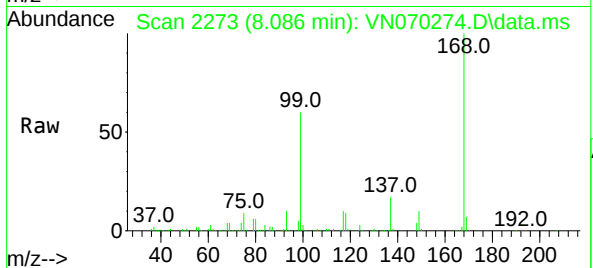
ClientSampleId :

Tgt Ion:168 Resp: 880170

Ion Ratio Lower Upper

168 100

99 60.1 41.3 61.9



#3

Chloromethane

Concen: 0.291 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN070274.D

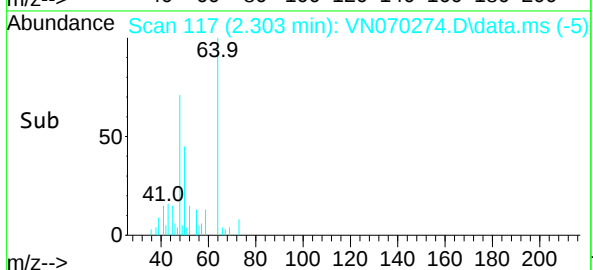
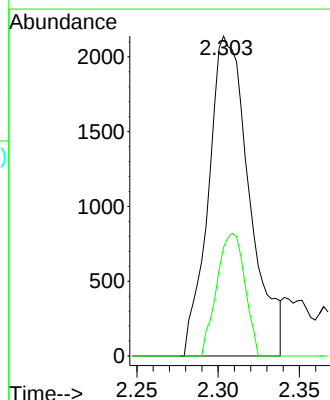
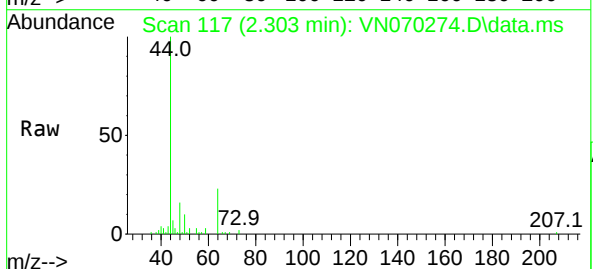
Acq: 21 Dec 2021 18:00

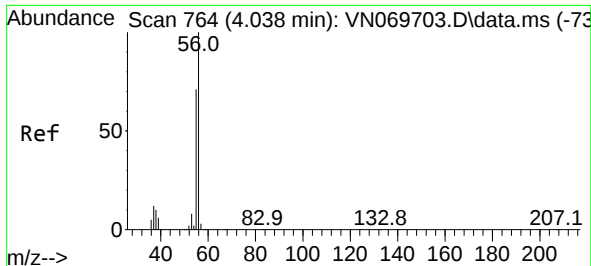
Tgt Ion: 50 Resp: 3749

Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.0

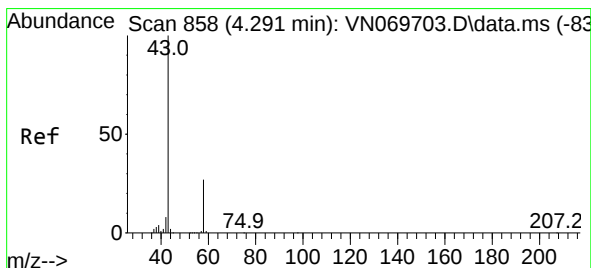
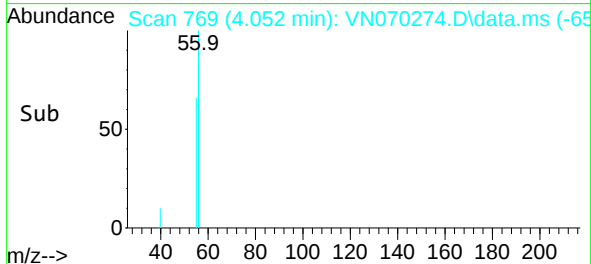
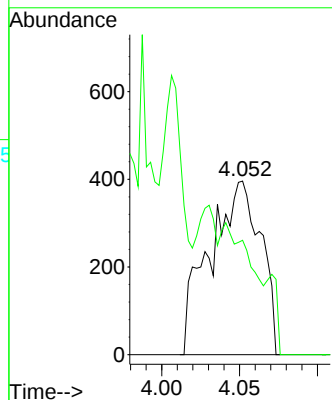
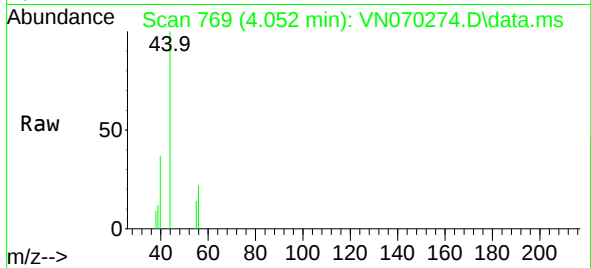




#13
Acrolein
Concen: 0.415 ug/l
RT: 4.052 min Scan# 764
Delta R.T. 0.013 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

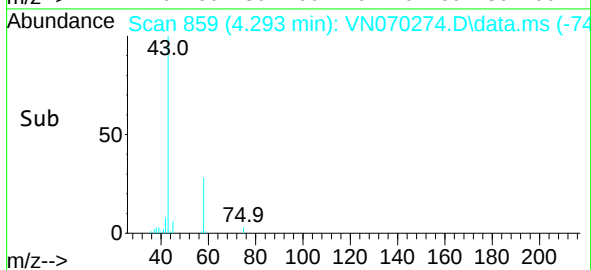
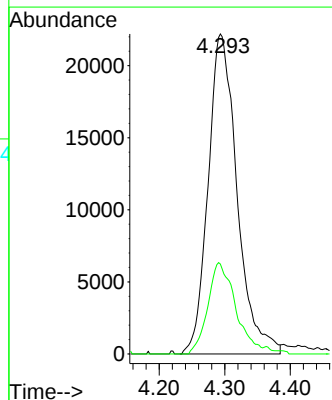
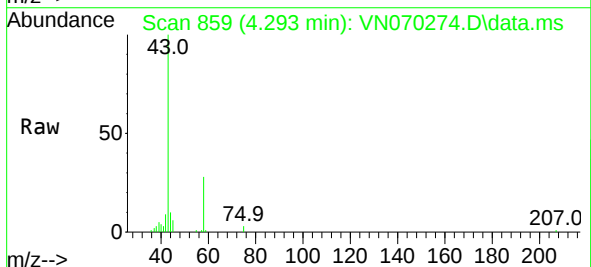
Instrument :
MSVOA_N
ClientSampleId :

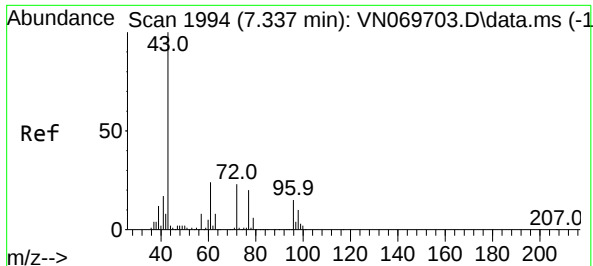
Tgt Ion: 56 Resp: 907
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 8.326 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion: 43 Resp: 68068
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7





#25

2-Butanone

Concen: 16.882 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

Instrument :

MSVOA_N

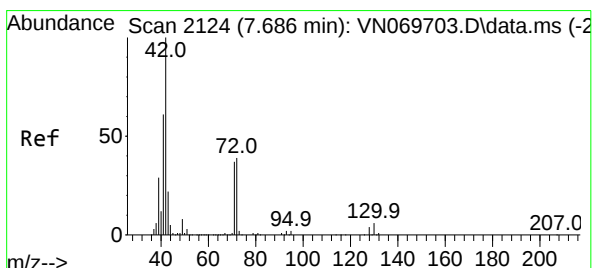
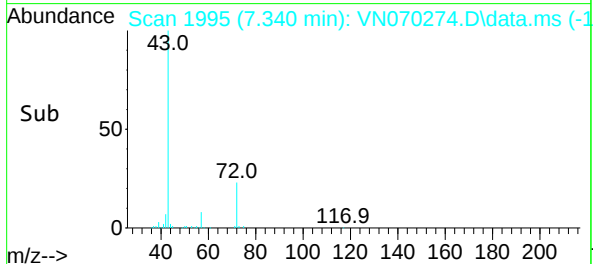
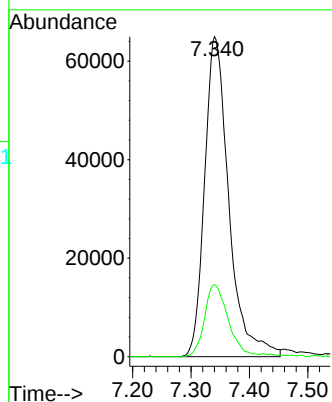
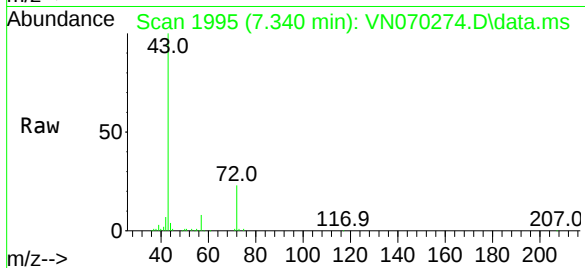
ClientSampleId :

Tgt Ion: 43 Resp: 187516

Ion Ratio Lower Upper

43 100

72 22.5 21.7 32.5



#29

Tetrahydrofuran

Concen: 16.141 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.005 min

Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

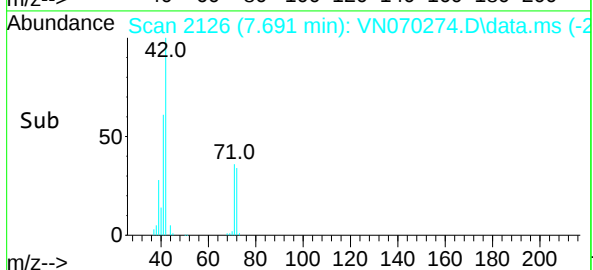
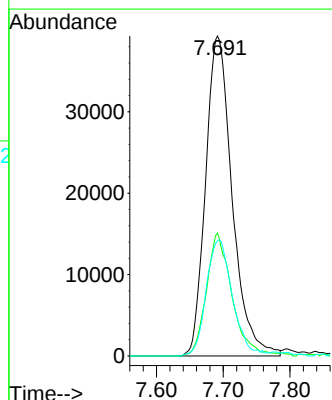
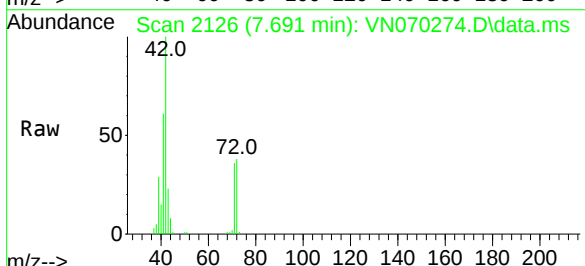
Tgt Ion: 42 Resp: 108863

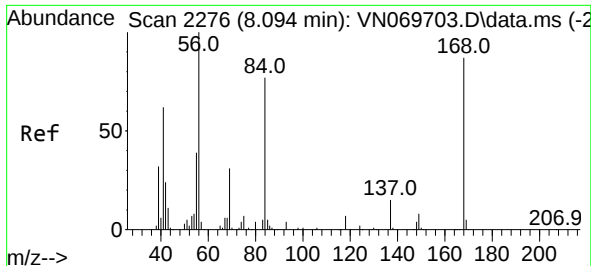
Ion Ratio Lower Upper

42 100

72 36.1 36.3 54.5#

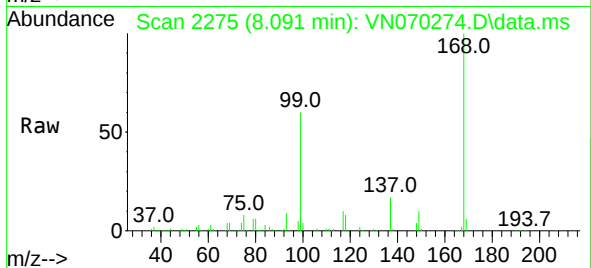
71 35.7 34.7 52.1



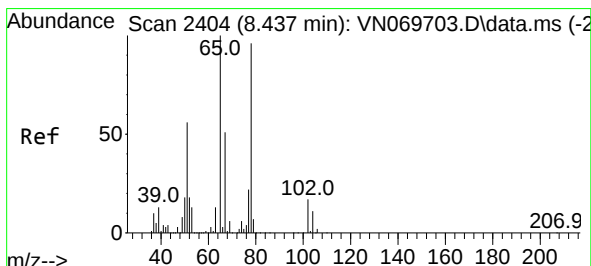
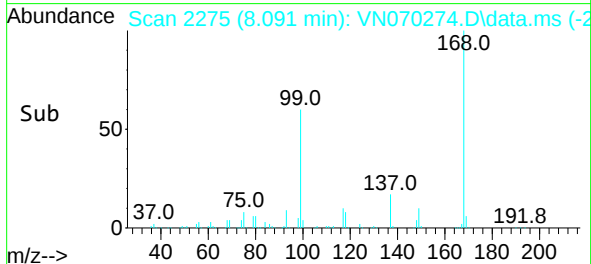
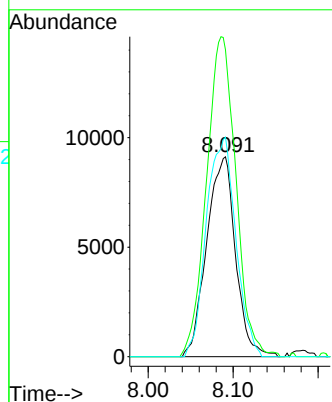


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.091 min Scan# 21511
Delta R.T. -0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Instrument :
MSVOA_N
ClientSampleId :

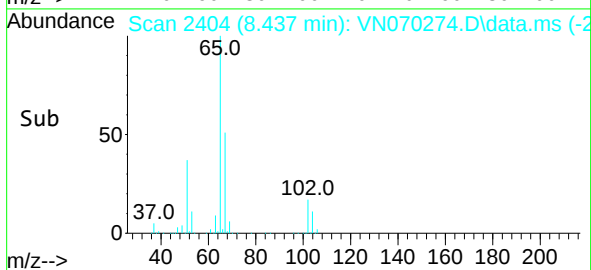
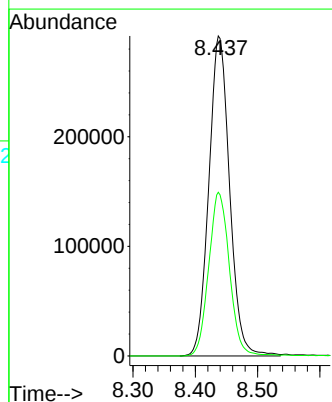
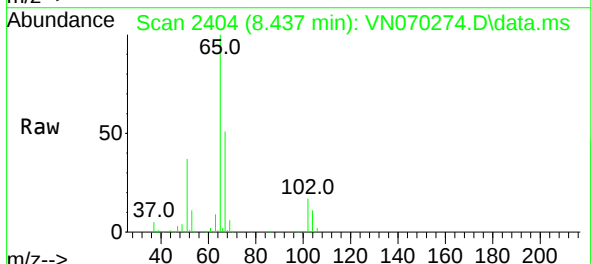


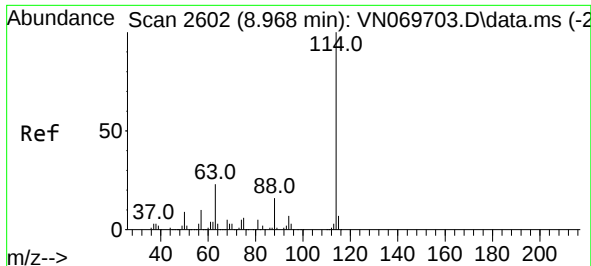
Tgt Ion: 56 Resp: 21511
Ion Ratio Lower Upper
56 100
69 153.6 27.1 40.7#
84 109.9 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

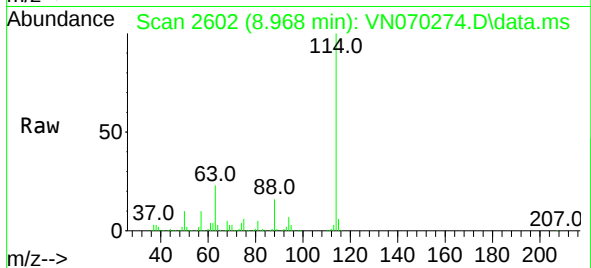
Tgt Ion: 65 Resp: 677256
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



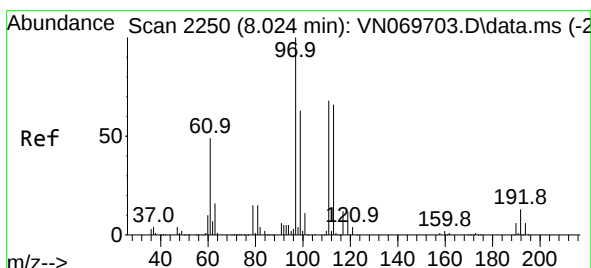
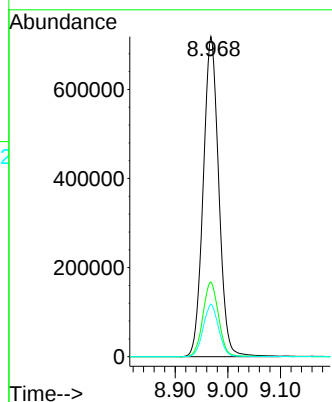
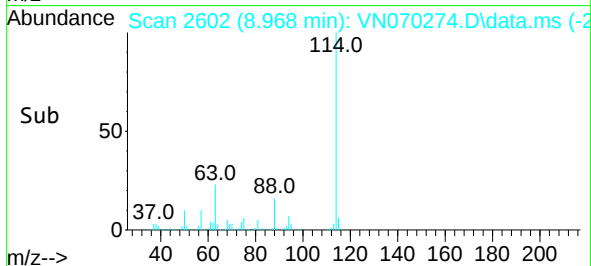


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Instrument :
MSVOA_N
ClientSampleId :

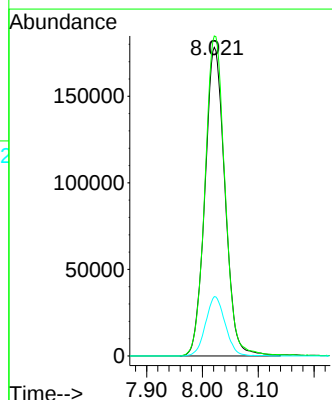
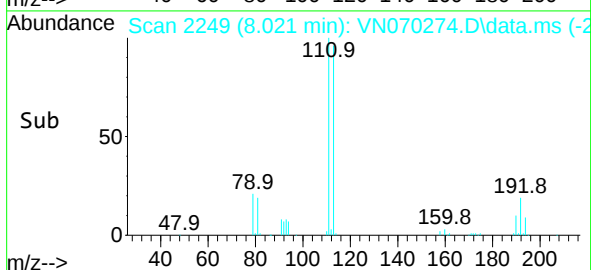
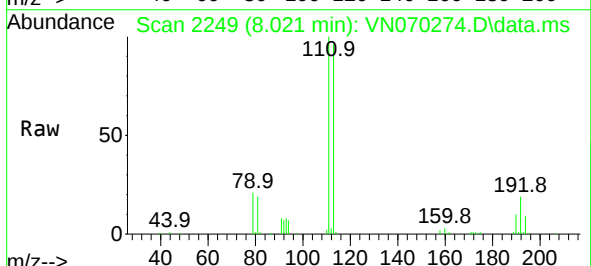


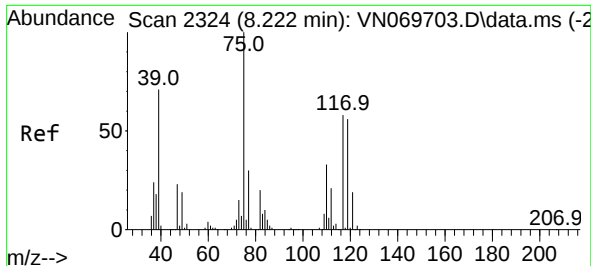
Tgt Ion:114 Resp: 1473496
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.166 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

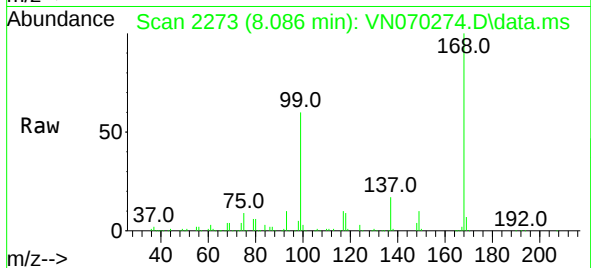
Tgt Ion:113 Resp: 444556
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.8 16.9 25.3



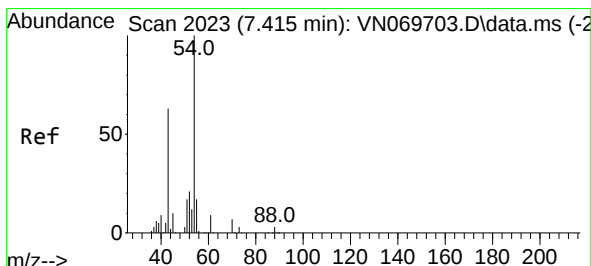
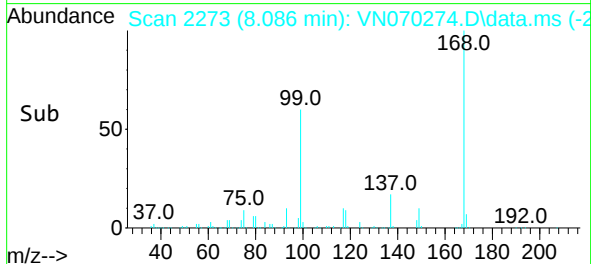
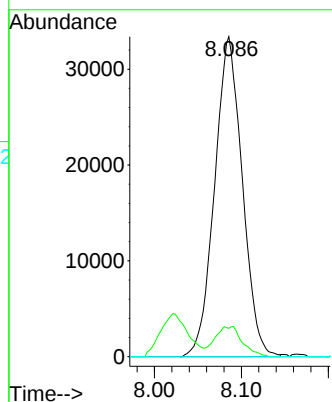


#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070274.D
 Acq: 21 Dec 2021 18:00

Instrument :
 MSVOA_N
 ClientSampleId :

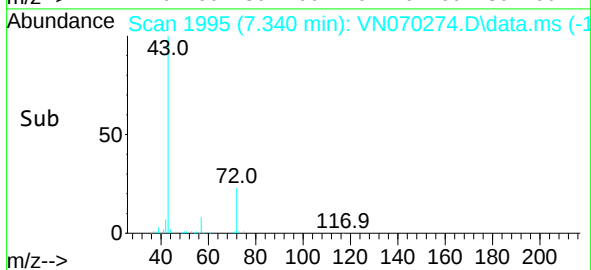
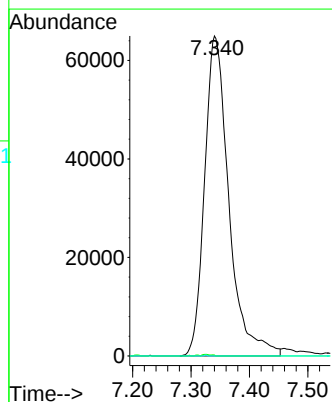
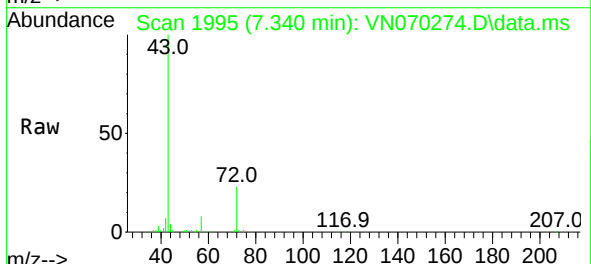


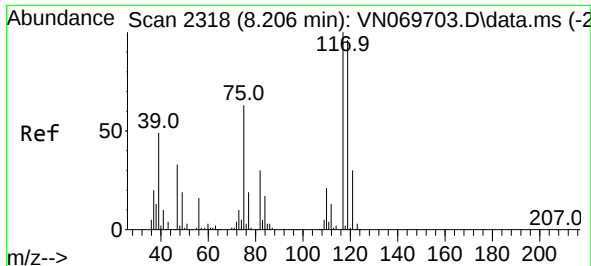
Tgt Ion: 75 Resp: 73794
 Ion Ratio Lower Upper
 75 100
 110 2.9 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 8.982 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. -0.075 min
 Lab File: VN070274.D
 Acq: 21 Dec 2021 18:00

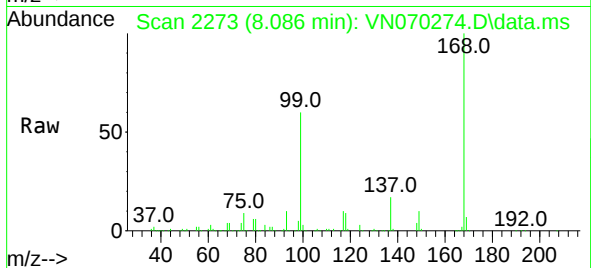
Tgt Ion: 43 Resp: 187516
 Ion Ratio Lower Upper
 43 100
 61 0.2 11.5 17.3#
 70 0.0 7.9 11.9#



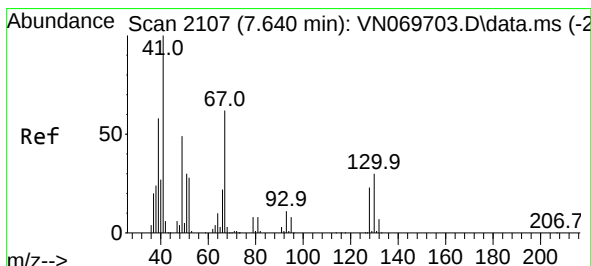
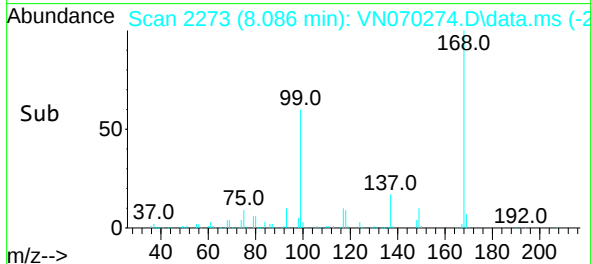
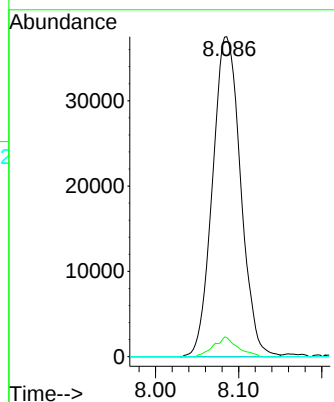


#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.086 min Scan# 2125
Delta R.T. -0.121 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Instrument :
MSVOA_N
ClientSampleId :

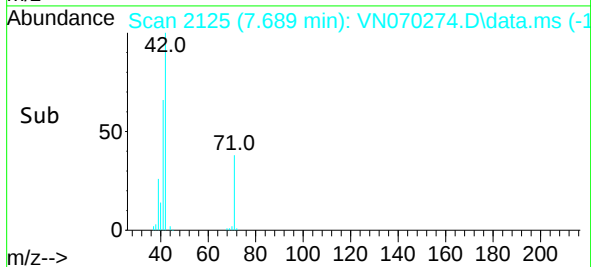
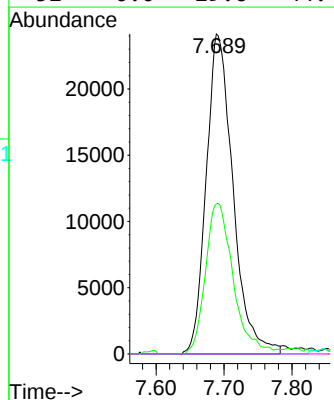
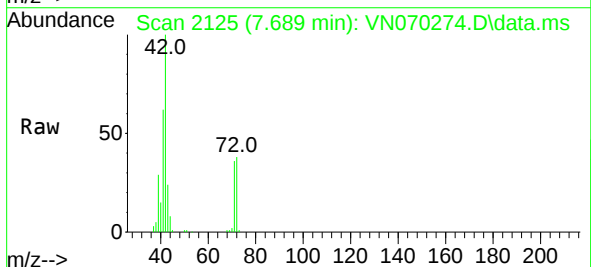


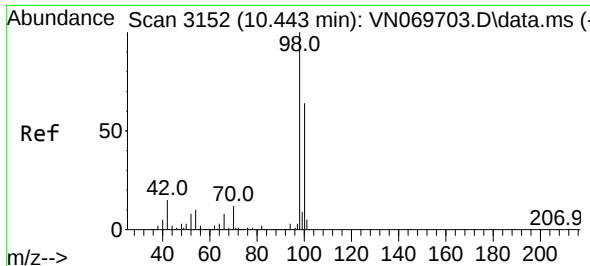
Tgt Ion: 117 Resp: 88054
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 6.752 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.049 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion: 41 Resp: 66171
Ion Ratio Lower Upper
41 100
39 48.5 48.1 72.1
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

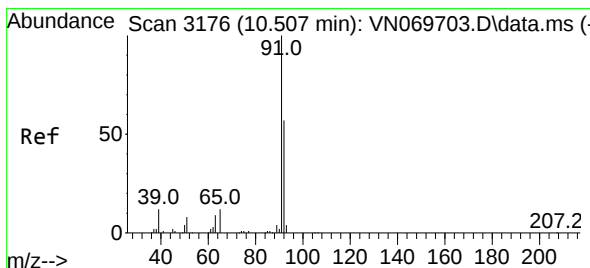
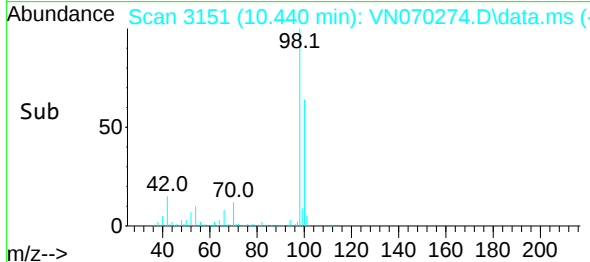
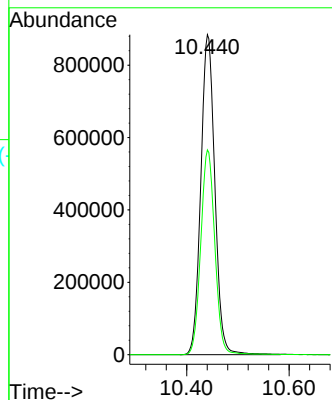
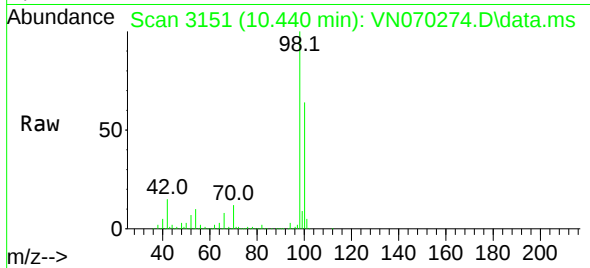




#50
Toluene-d8
Concen: 45.374 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

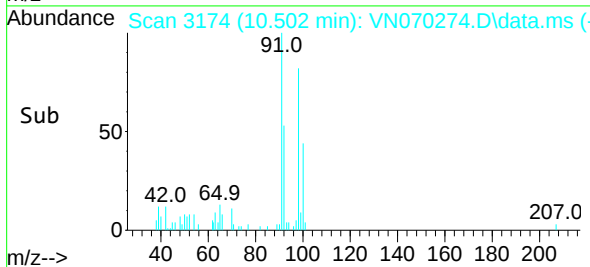
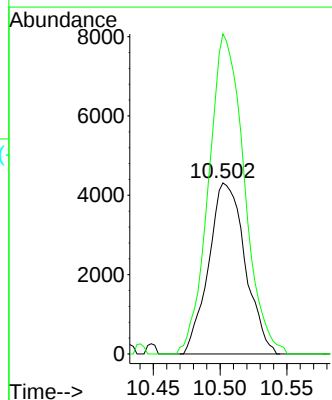
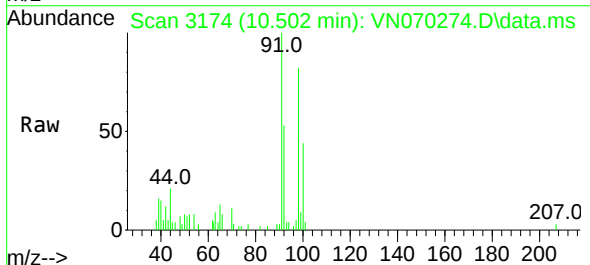
Instrument :
MSVOA_N
ClientSampleId :

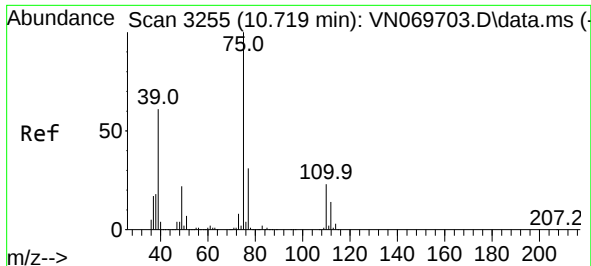
Tgt Ion: 98 Resp: 1681583
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#52
Toluene
Concen: 0.313 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.005 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion: 92 Resp: 8185
Ion Ratio Lower Upper
92 100
91 182.6 142.0 213.0

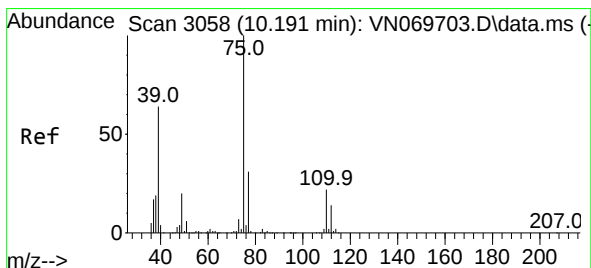
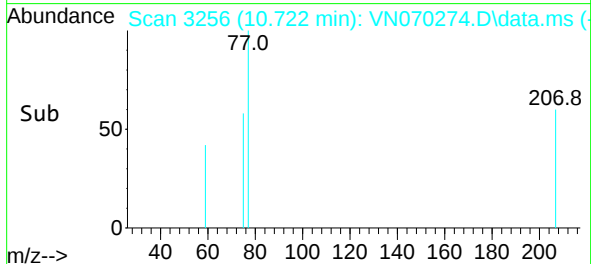
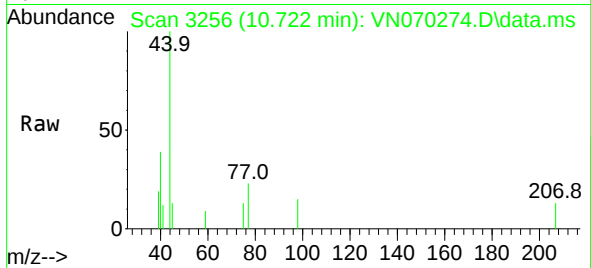




#53
t-1,3-Dichloropropene
Concen: 2.804 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

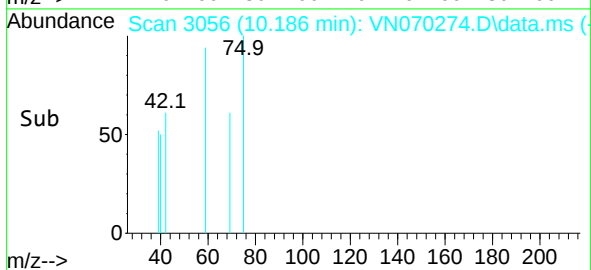
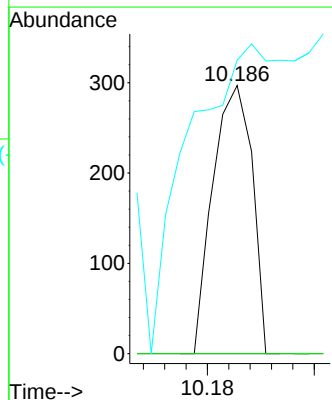
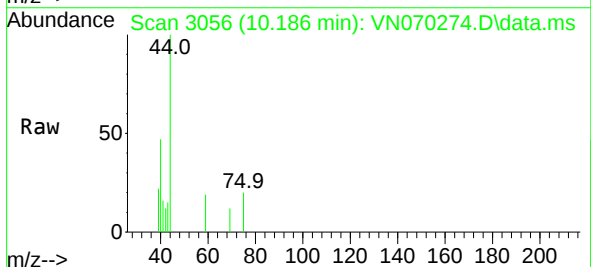
Instrument :
MSVOA_N
ClientSampleId :

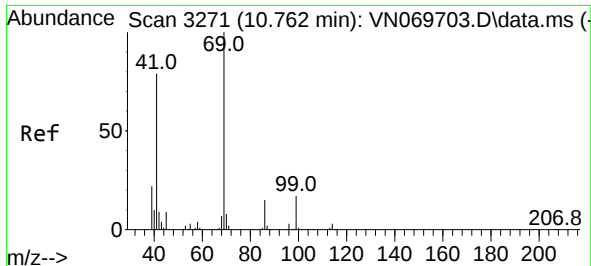
Tgt Ion: 75 Resp: 171
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.007 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 34.7 42.5 63.7#

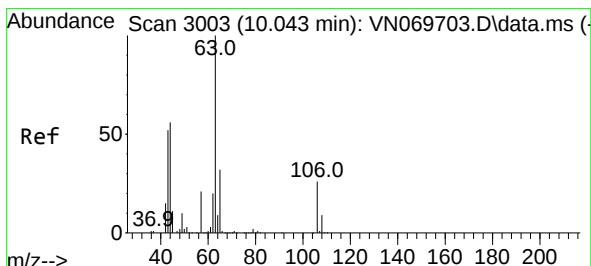
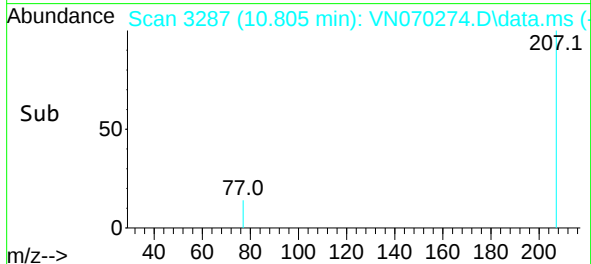
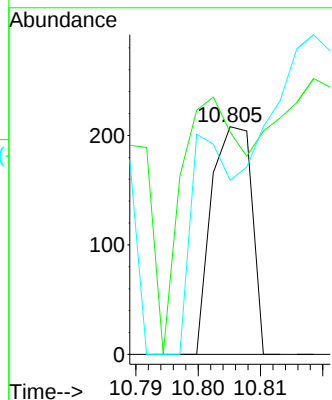
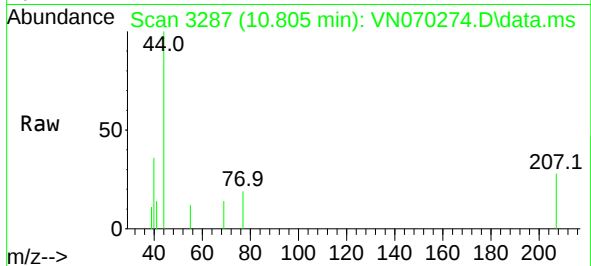




#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.805 min Scan# 31
Delta R.T. 0.043 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

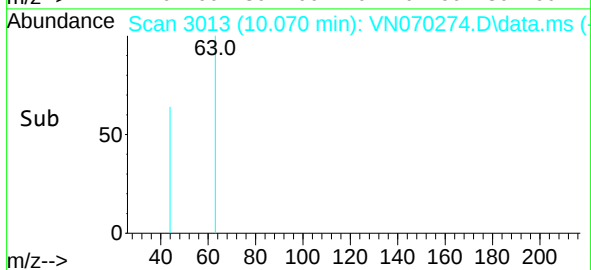
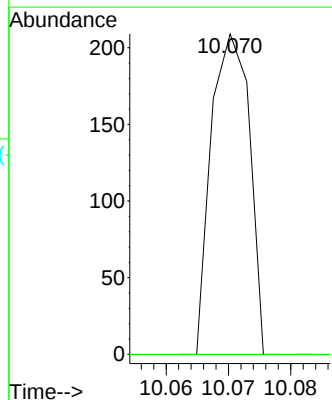
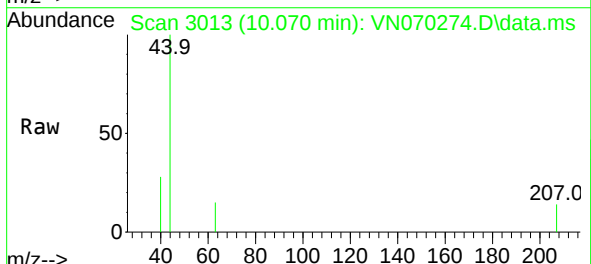
Instrument :
MSVOA_N
ClientSampleId :

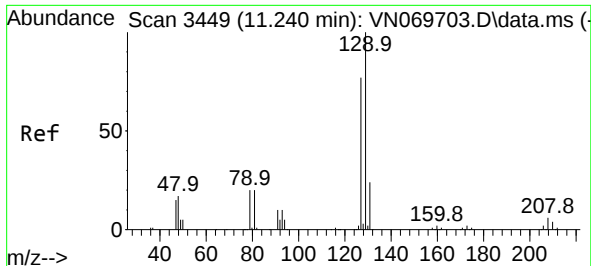
Tgt Ion: 69 Resp: 93
Ion Ratio Lower Upper
69 100
41 174.2 51.4 77.0#
39 95.7 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.404 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.027 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion: 63 Resp: 89
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

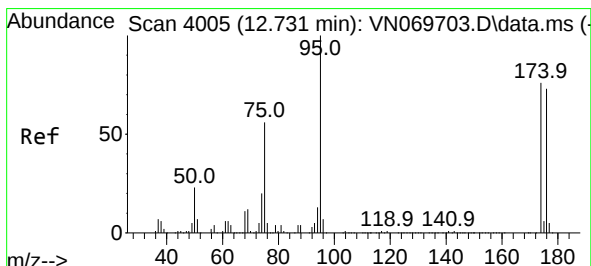
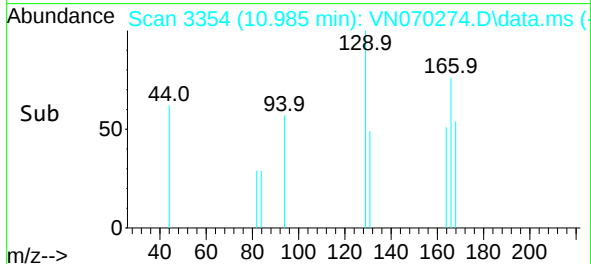
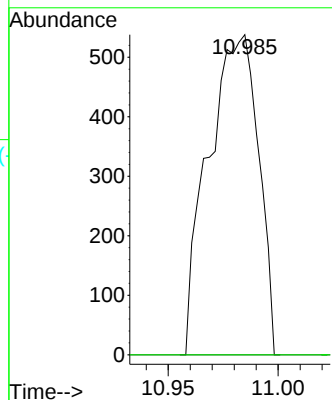
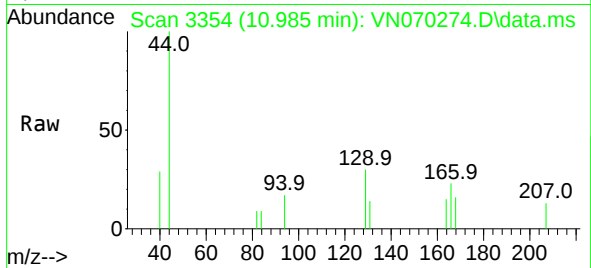




#60
Dibromochloromethane
Concen: 2.448 ug/l
RT: 10.985 min Scan# 31
Delta R.T. -0.255 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

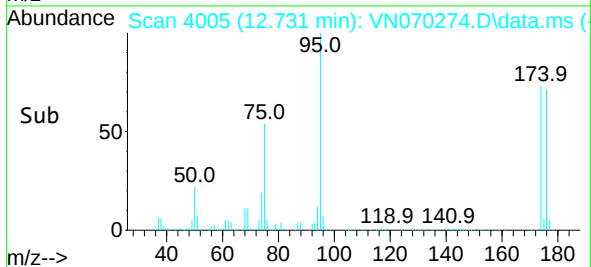
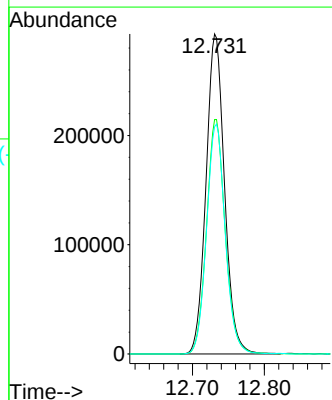
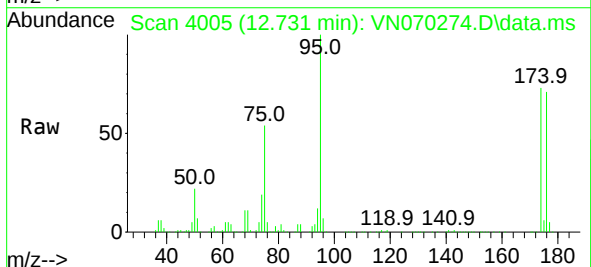
Instrument :
MSVOA_N
ClientSampleId :

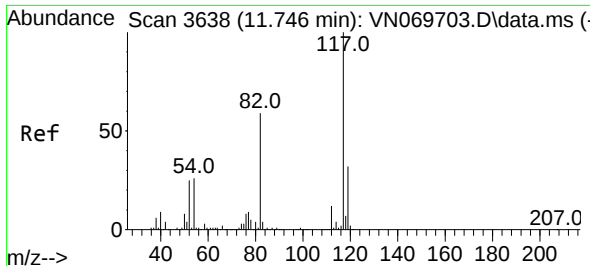
Tgt Ion:129 Resp: 854
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 39.033 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

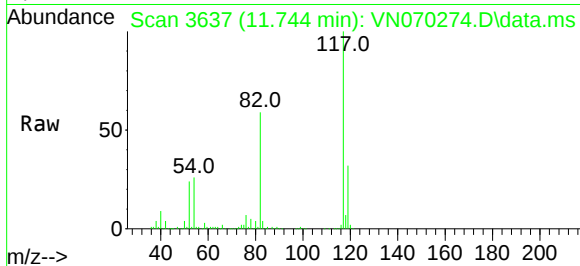
Tgt Ion: 95 Resp: 524054
Ion Ratio Lower Upper
95 100
174 74.2 0.0 187.2
176 72.4 0.0 181.4



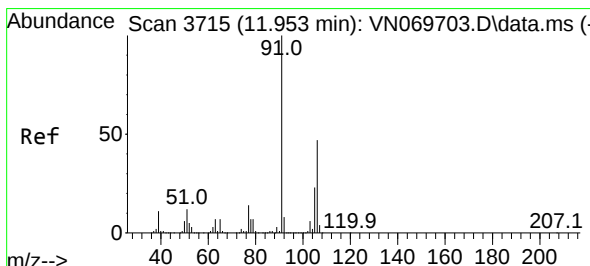
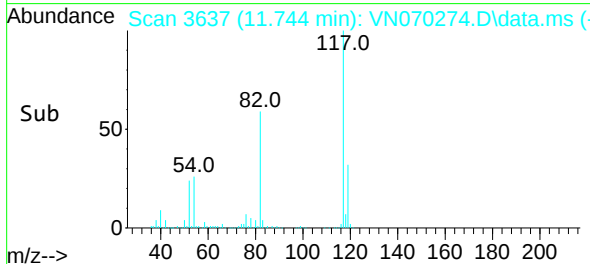
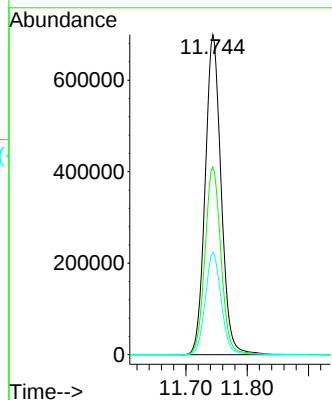


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Instrument :
MSVOA_N
ClientSampleId :

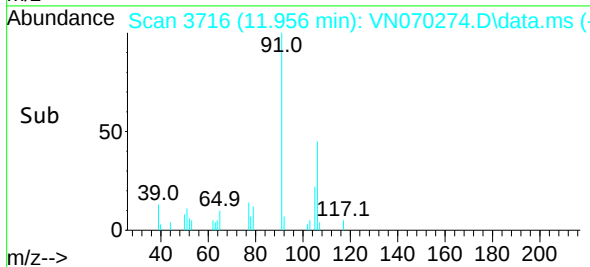
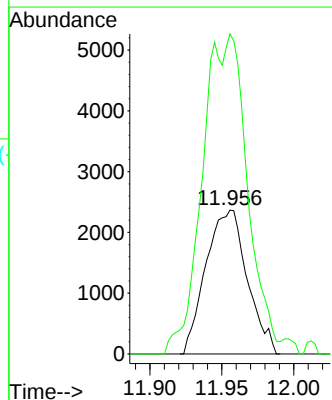
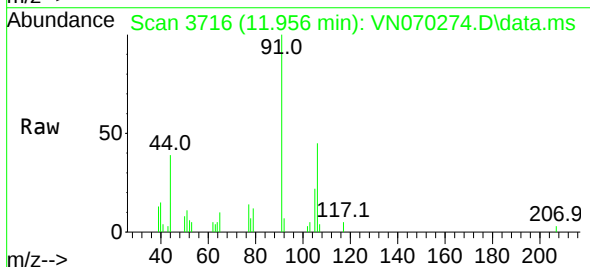


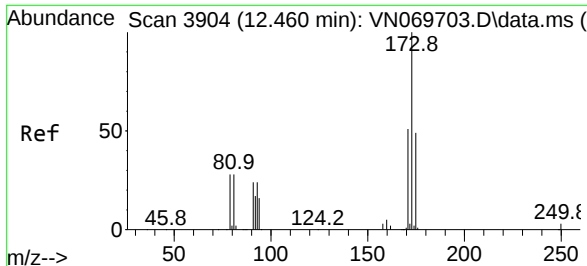
Tgt Ion:117 Resp: 1263650
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

Tgt Ion:106 Resp: 4741
Ion Ratio Lower Upper
106 100
91 117.2 160.6 240.8#





#71

Bromoform

Concen: 2.978 ug/l

RT: 12.728 min Scan# 4004

Delta R.T. 0.268 min

Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

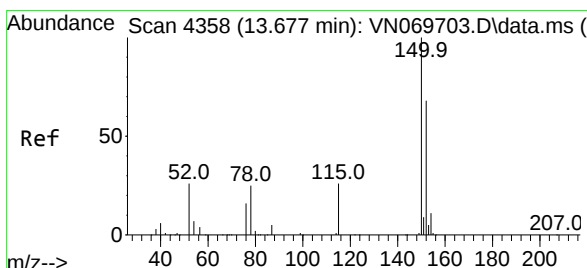
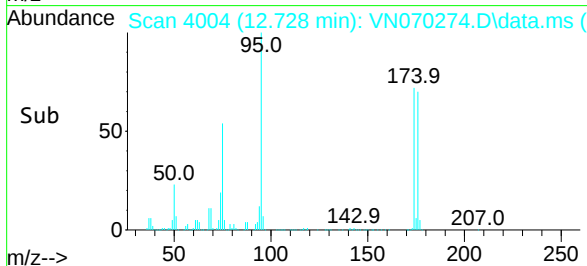
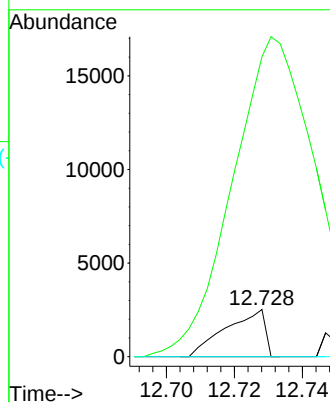
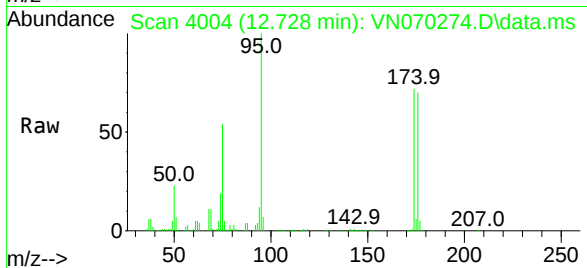
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 2015

Ion	Ratio	Lower	Upper
173	100		
175	1381.3	24.2	72.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

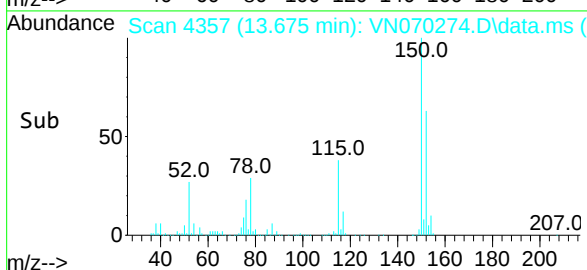
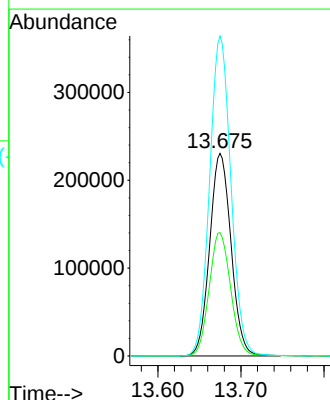
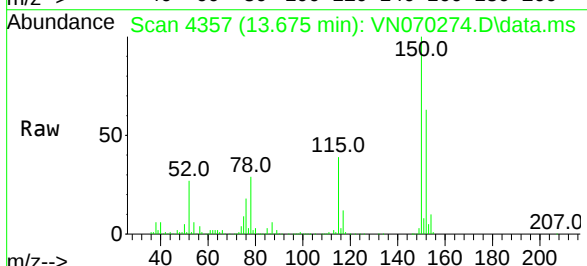
Delta R.T. -0.003 min

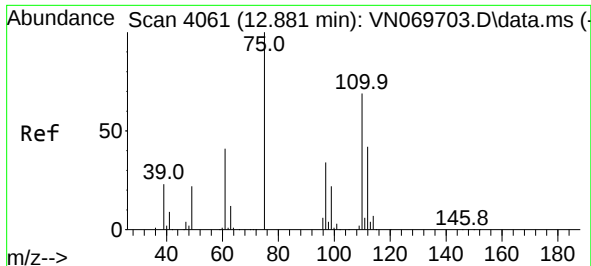
Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

Tgt Ion:152 Resp: 412175

Ion	Ratio	Lower	Upper
152	100		
115	61.2	27.5	82.5
150	157.3	0.0	344.4

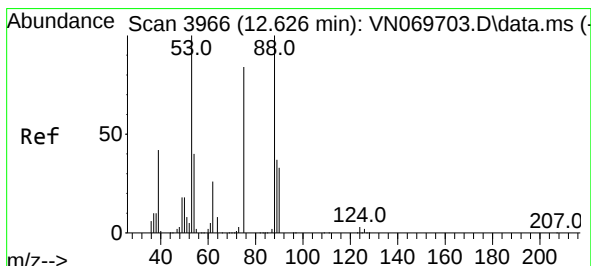
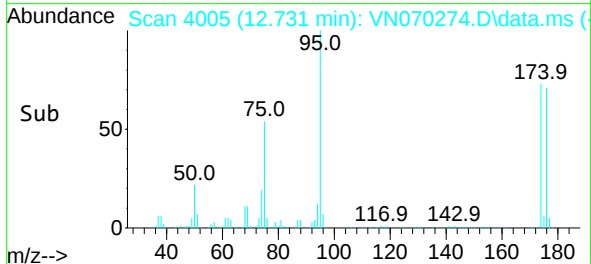
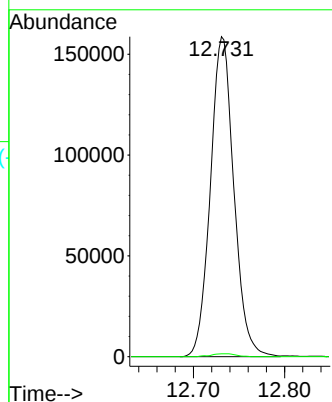
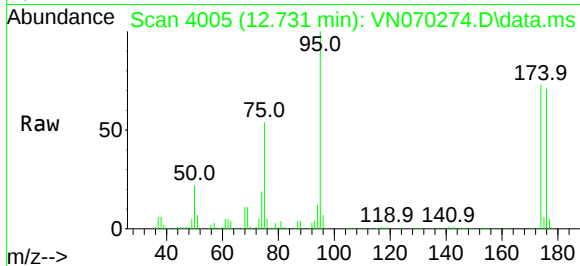




#76
1,2,3-Trichloropropane
Concen: 24.019 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

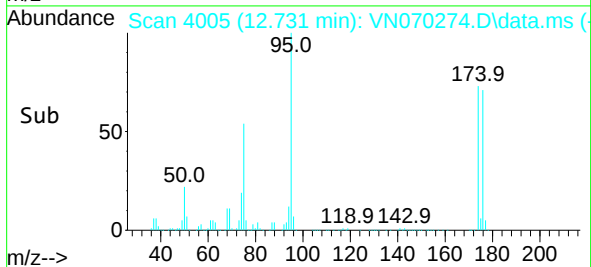
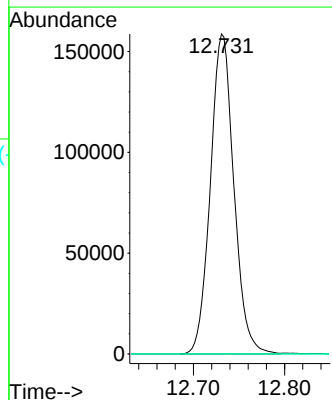
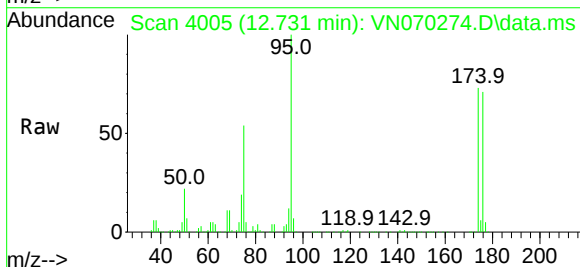
Instrument :
MSVOA_N
ClientSampleId :

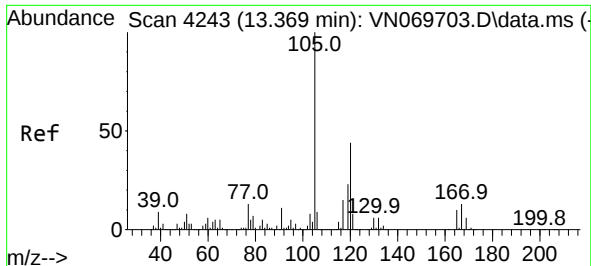
Tgt Ion: 75 Resp: 283911
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.288 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070274.D
Acq: 21 Dec 2021 18:00

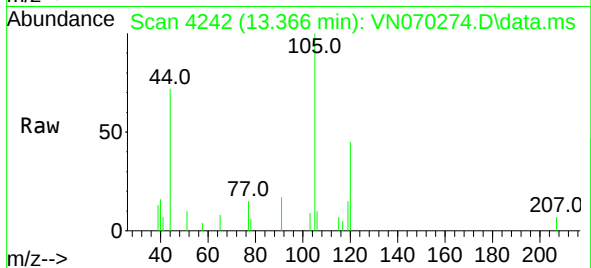
Tgt Ion: 75 Resp: 283911
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



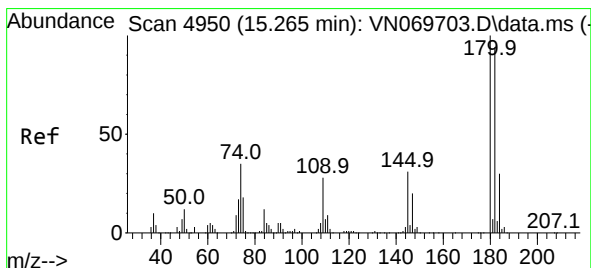
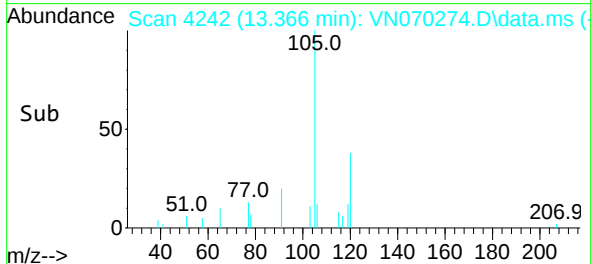
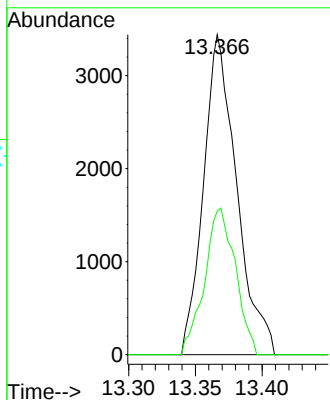


#84
 1,2,4-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 13.366 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070274.D
 Acq: 21 Dec 2021 18:00

Instrument :
 MSVOA_N
 ClientSampleId :

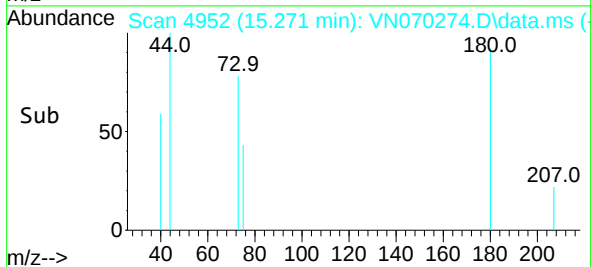
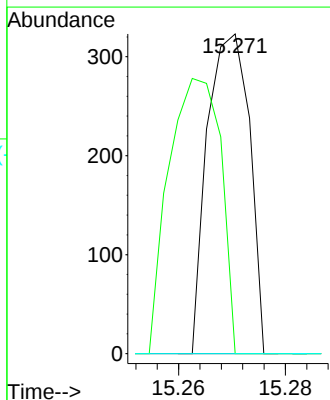
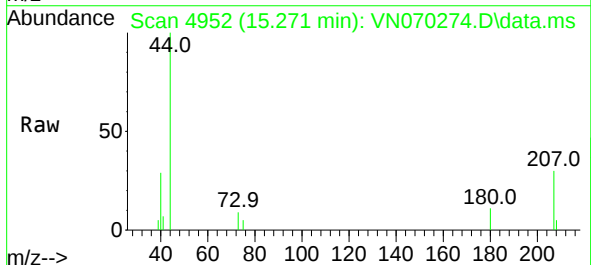


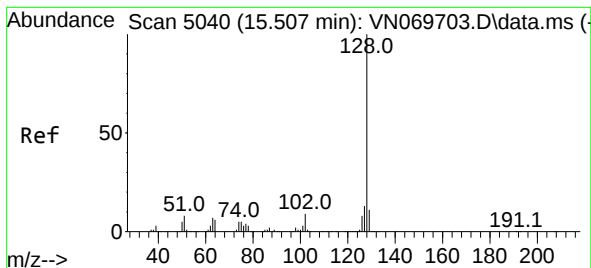
Tgt Ion:105 Resp: 5929
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.8 68.4



#93
 1,2,4-Trichlorobenzene
 Concen: 2.903 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.006 min
 Lab File: VN070274.D
 Acq: 21 Dec 2021 18:00

Tgt Ion:180 Resp: 177
 Ion Ratio Lower Upper
 180 100
 182 106.2 48.3 144.9
 145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.338 ug/l

RT: 15.509 min Scan# 5040

Delta R.T. 0.002 min

Lab File: VN070274.D

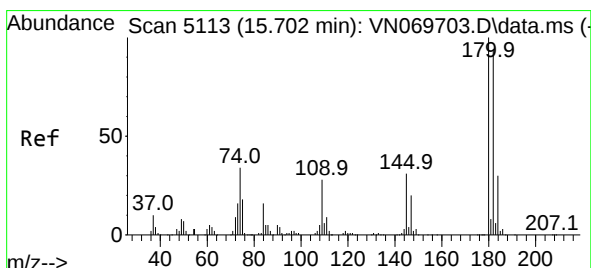
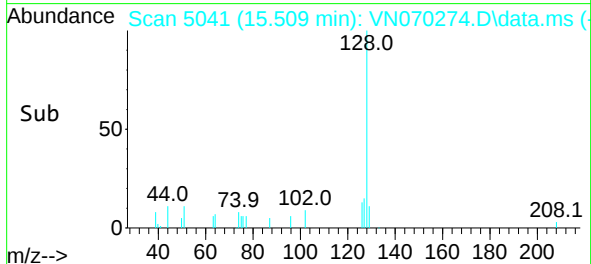
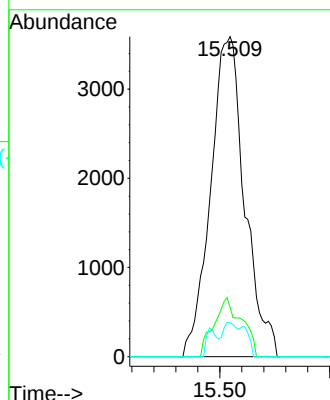
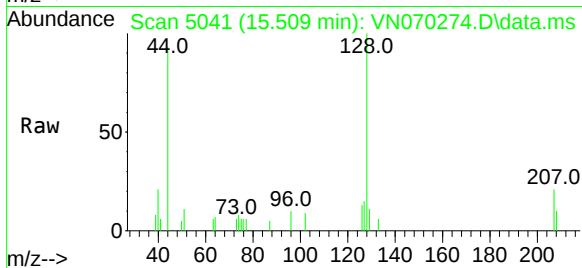
Acq: 21 Dec 2021 18:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	7716
Ion Ratio	Lower	Upper
128	100	
127	15.0	10.5 15.7
129	2.3	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.472 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN070274.D

Acq: 21 Dec 2021 18:00

Tgt Ion:180	Resp:	251
Ion Ratio	Lower	Upper
180	100	
182	10.4	47.4 142.2#
145	10.0	15.0 45.1#

