

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070492.D
 Acq On : 5 Jan 2022 16:21
 Operator : JC/MD
 Sample : N1012-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 12:35:21 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

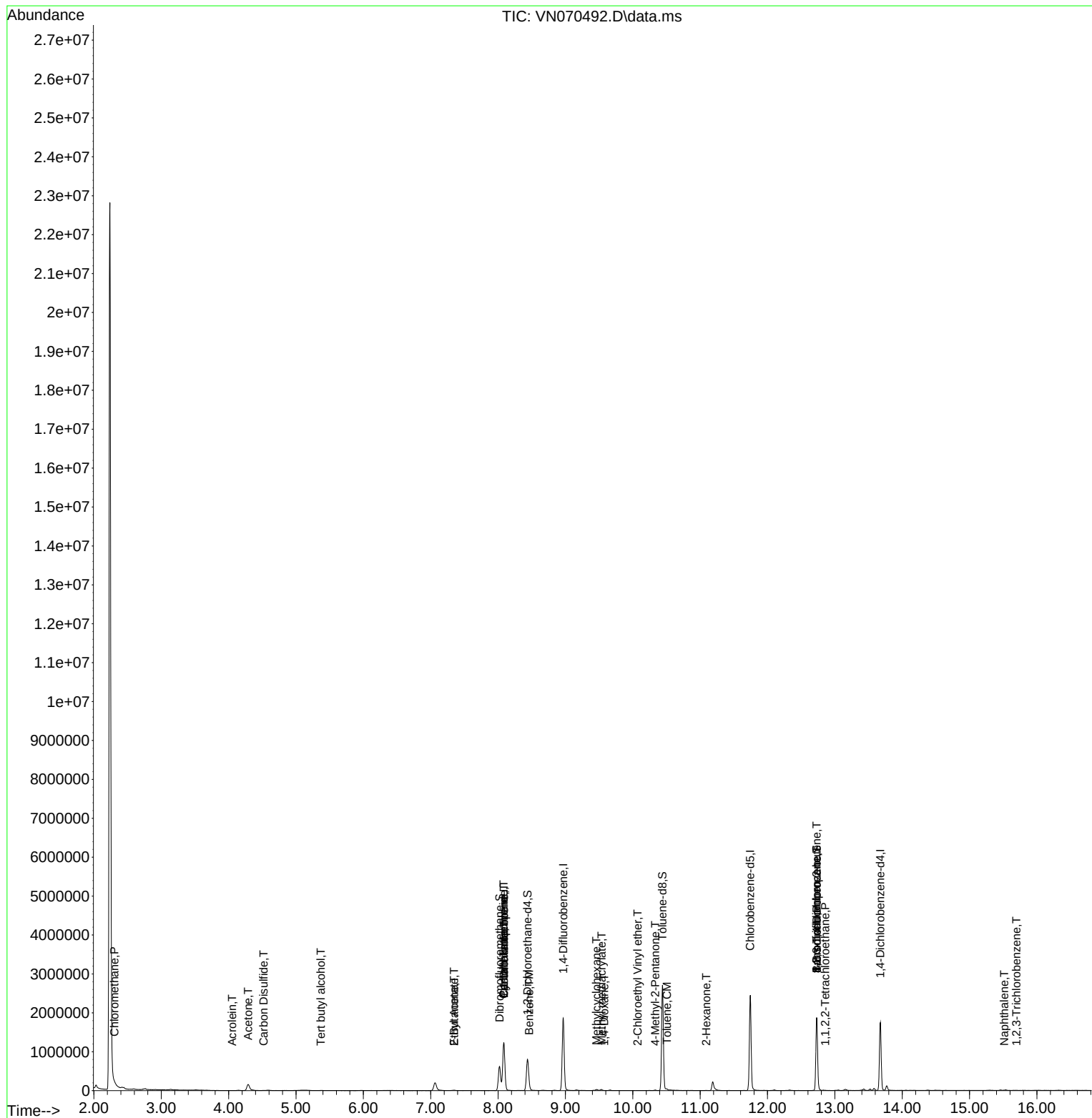
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	950022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1599111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1426825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	484561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	670026	49.052	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.100%
35) Dibromofluoromethane	8.021	113	470012	48.578	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.160%
50) Toluene-d8	10.440	98	1878552	47.528	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.731	95	684810	47.971	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4747	0.324	ug/l	93
11) Tert butyl alcohol	5.369	59	2402	1.056	ug/l #	76
13) Acrolein	4.052	56	515	0.279	ug/l #	73
16) Acetone	4.291	43	302322	34.095	ug/l	97
17) Carbon Disulfide	4.521	76	6277	0.238	ug/l	99
25) 2-Butanone	7.348	43	16561	1.483	ug/l	95
31) Cyclohexane	8.086	56	28757	1.334	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	75624	4.725	ug/l #	48
37) Ethyl Acetate	7.348	43	16561	0.798	ug/l #	68
38) Carbon Tetrachloride	8.083	117	91786	6.005	ug/l #	16
39) Methylcyclohexane	9.459	83	7771	0.401	ug/l #	88
40) Benzene	8.461	78	47656	0.971	ug/l	94
48) Methyl methacrylate	9.537	41	7519	0.482	ug/l #	41
49) 1,4-Dioxane	9.577	88	95	0.416	ug/l #	27
51) 4-Methyl-2-Pentanone	10.336	43	10091	0.491	ug/l	99
52) Toluene	10.507	92	11549	0.389	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.070	63	159	18.543	ug/l #	45
59) 2-Hexanone	11.089	43	3630	0.242	ug/l	98
71) Bromoform	12.731	173	4078	0.508	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.857	83	864	0.499	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	354634	26.103	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	354634	89.417	ug/l #	5
95) Naphthalene	15.515	128	3887	1.967	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.694	180	410	0.879	ug/l #	1

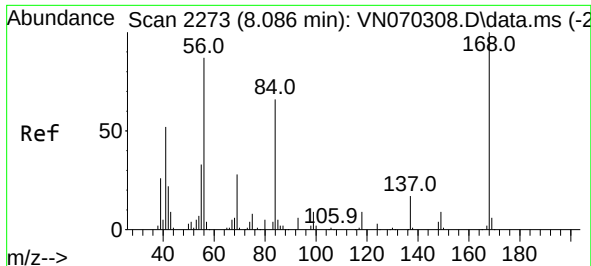
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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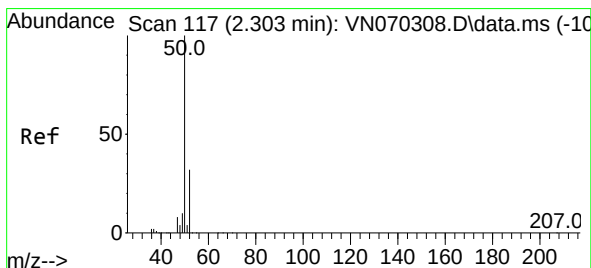
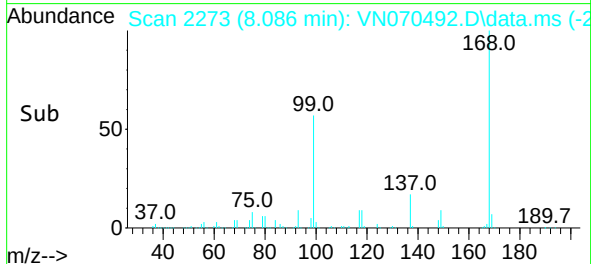
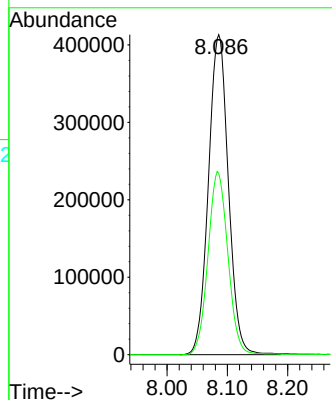
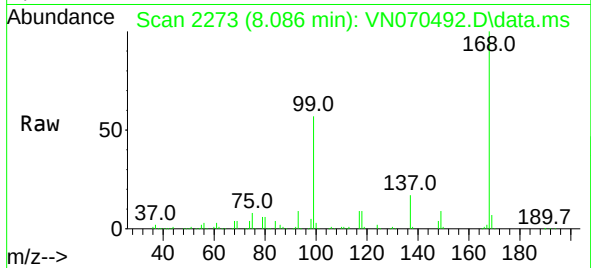




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

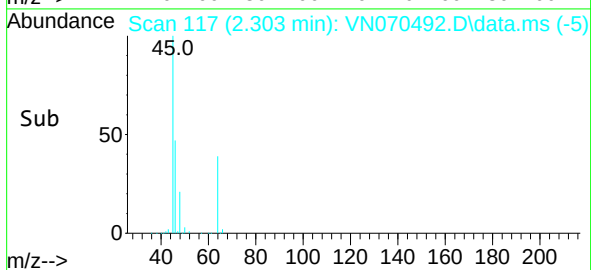
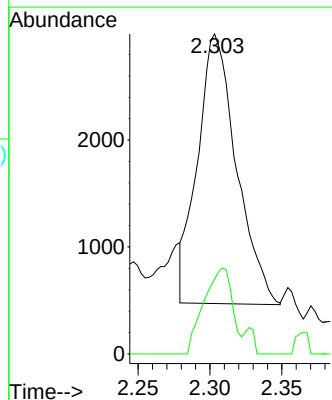
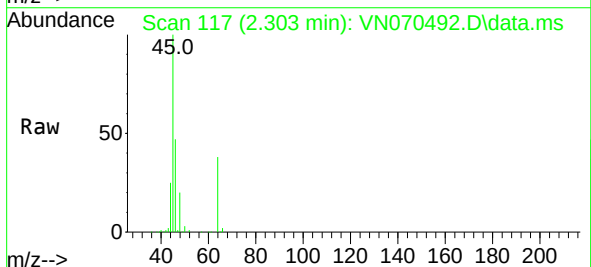
Instrument :
MSVOA_N
ClientSampleId :

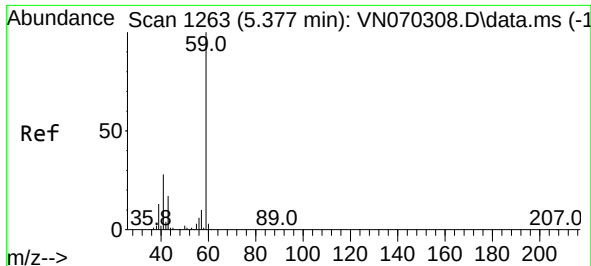
Tgt Ion:168 Resp: 950022
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Tgt Ion: 50 Resp: 4747
Ion Ratio Lower Upper
50 100
52 27.8 25.4 38.0





#11

Tert butyl alcohol

Concen: 1.056 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.008 min

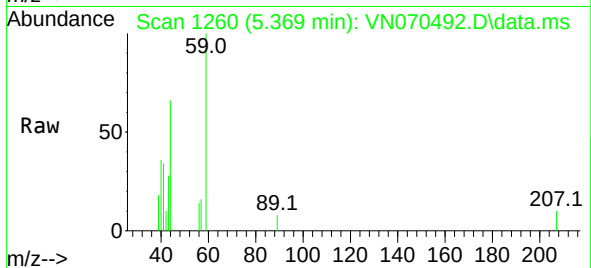
Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

ClientSampleId :

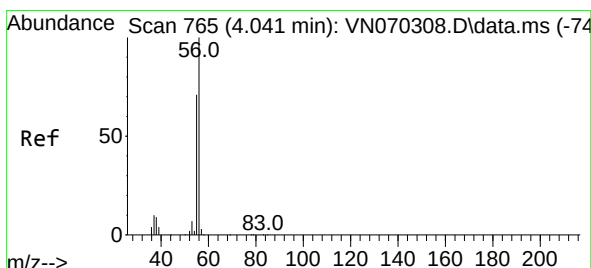
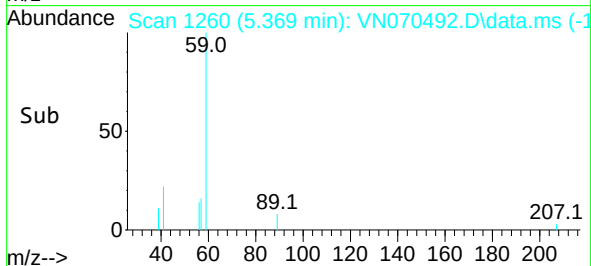
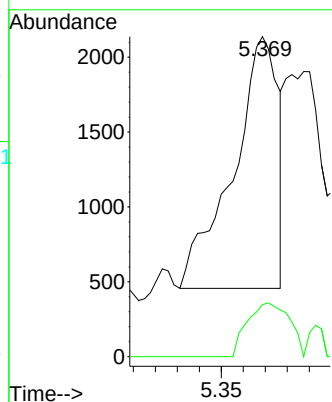


Tgt Ion: 59 Resp: 2402

Ion Ratio Lower Upper

59 100

57 19.9 8.7 13.1#



#13

Acrolein

Concen: 0.279 ug/l

RT: 4.052 min Scan# 769

Delta R.T. 0.011 min

Lab File: VN070492.D

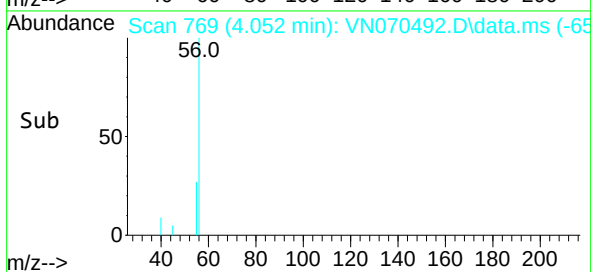
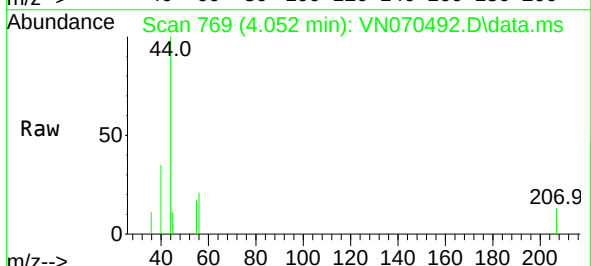
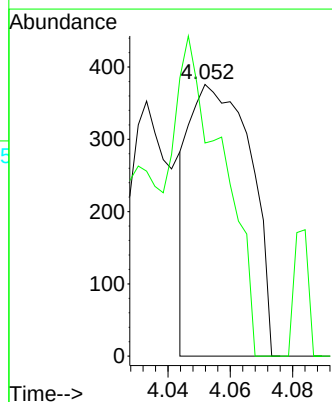
Acq: 5 Jan 2022 16:21

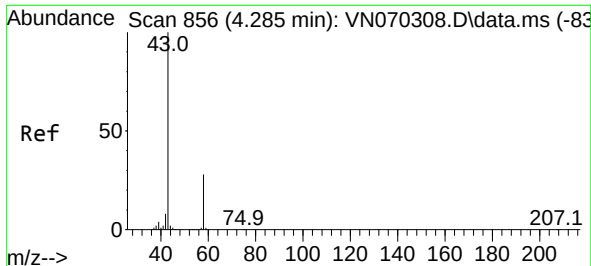
Tgt Ion: 56 Resp: 515

Ion Ratio Lower Upper

56 100

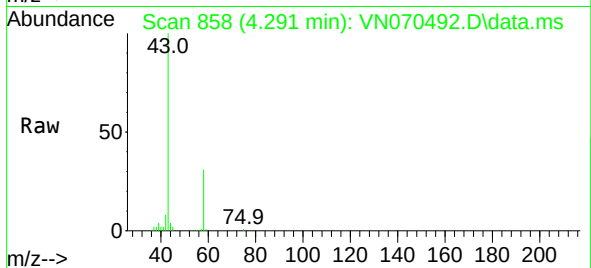
55 93.0 56.6 85.0#



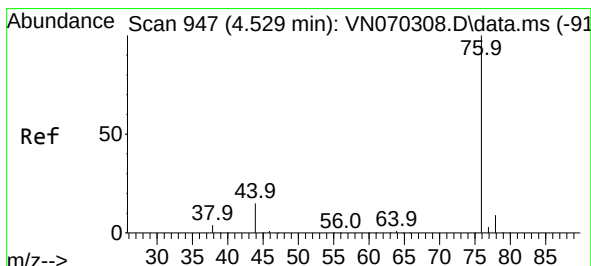
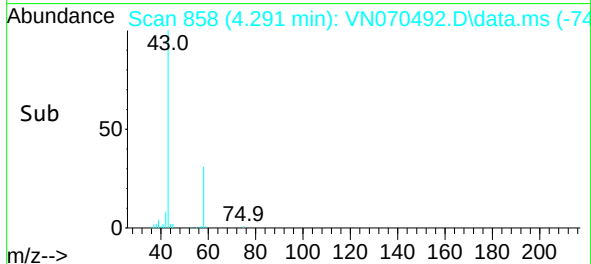
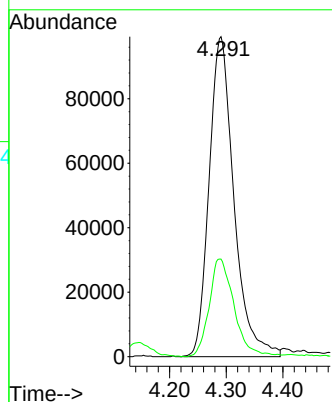


#16
Acetone
Concen: 34.095 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Instrument :
MSVOA_N
ClientSampleId :

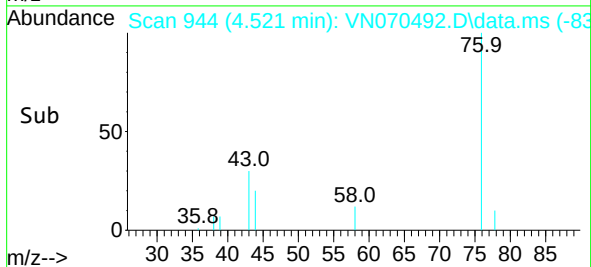
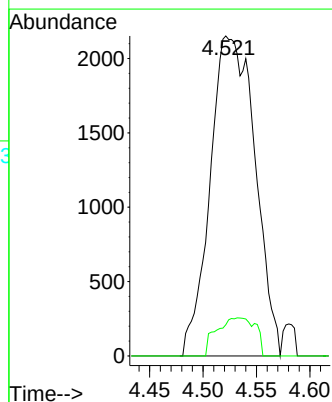
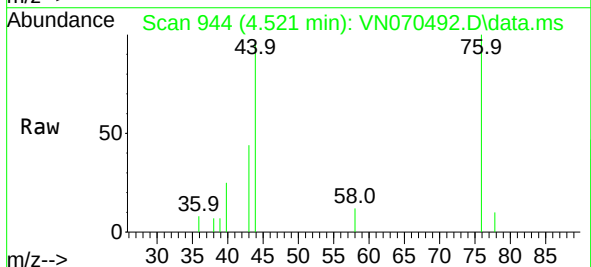


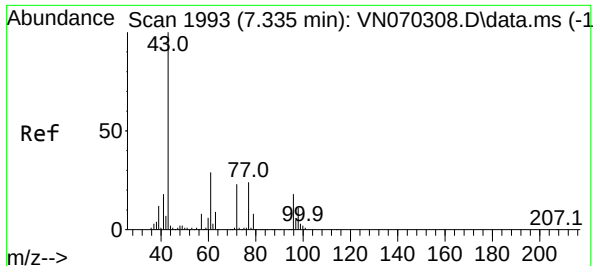
Tgt Ion: 43 Resp: 302322
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7



#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.521 min Scan# 944
Delta R.T. -0.008 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Tgt Ion: 76 Resp: 6277
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3





#25

2-Butanone

Concen: 1.483 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

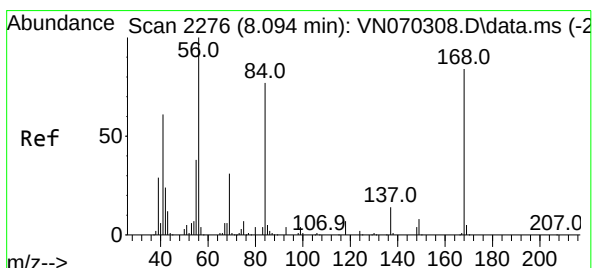
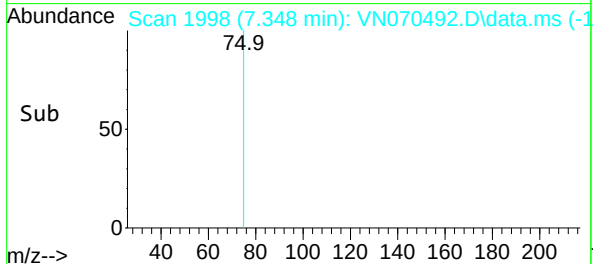
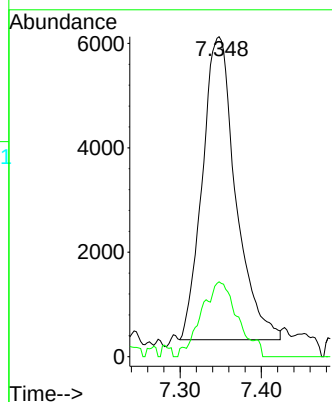
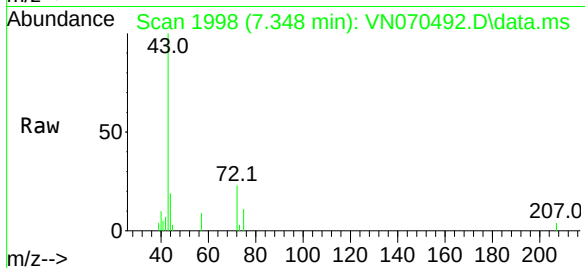
ClientSampleId :

Tgt Ion: 43 Resp: 16561

Ion Ratio Lower Upper

43 100

72 24.7 21.7 32.5



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

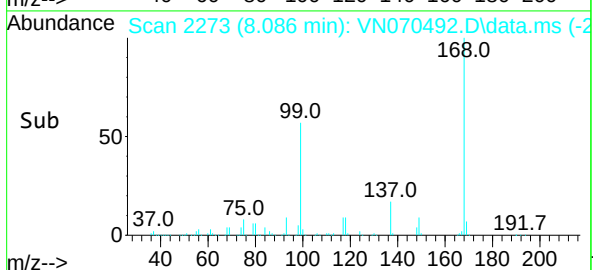
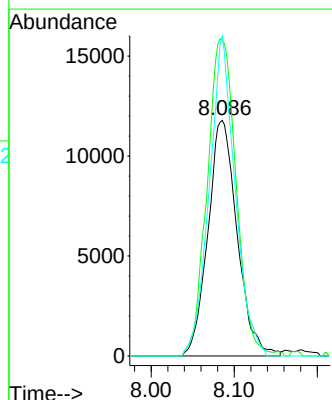
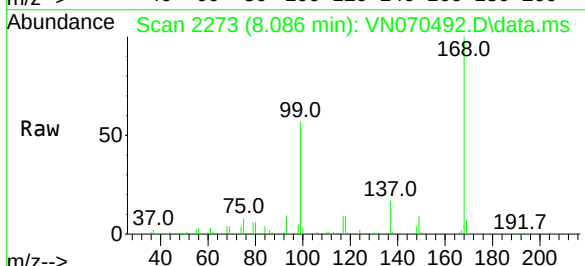
Tgt Ion: 56 Resp: 28757

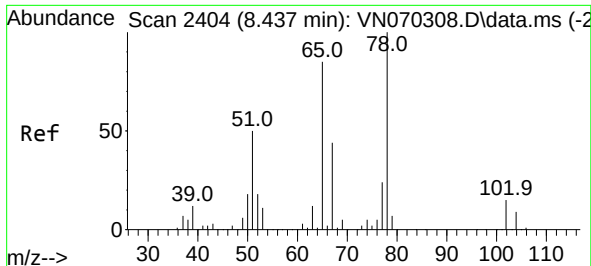
Ion Ratio Lower Upper

56 100

69 134.2 27.1 40.7#

84 135.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.052 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

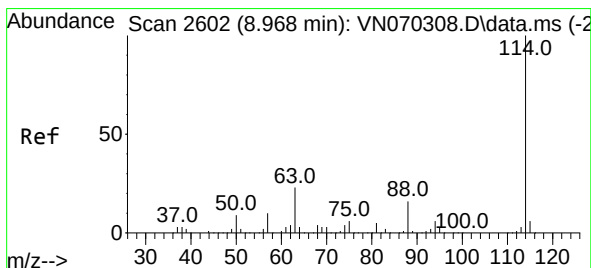
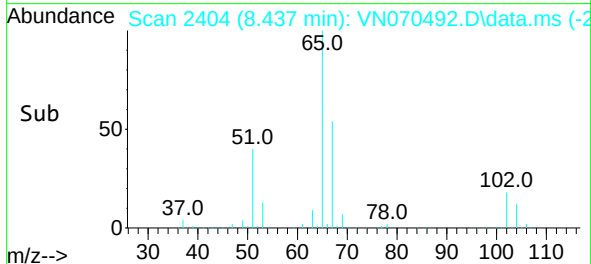
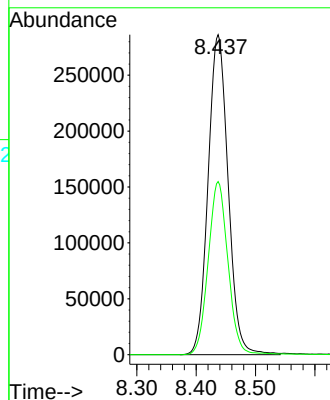
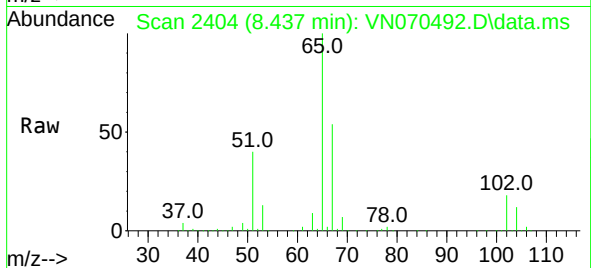
ClientSampleId :

Tgt Ion: 65 Resp: 670026

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

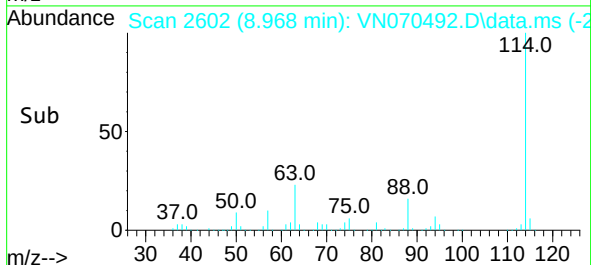
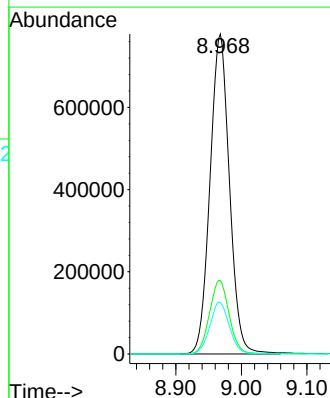
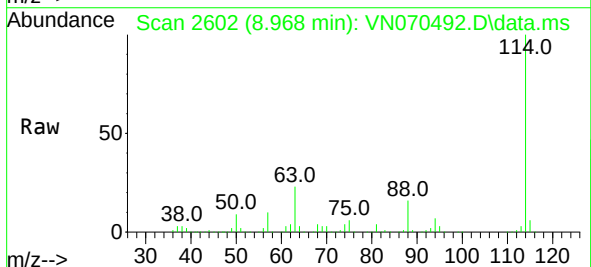
Tgt Ion: 114 Resp: 1599111

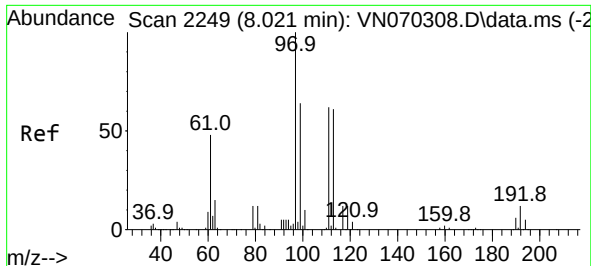
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

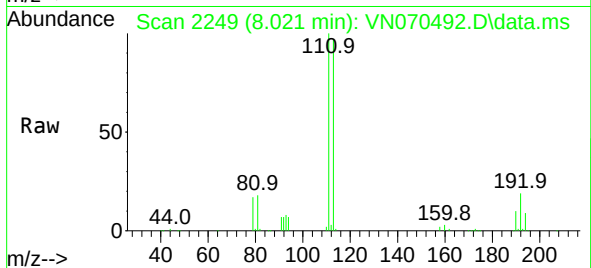
88 16.0 0.0 27.4



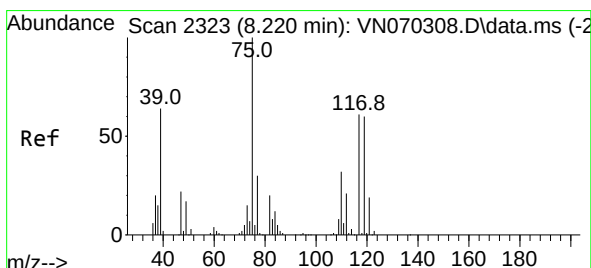
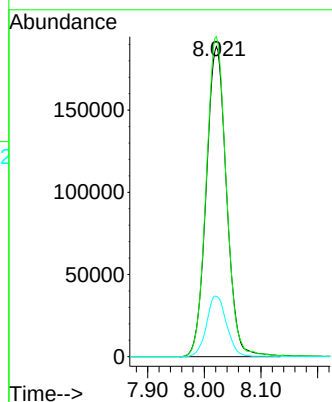
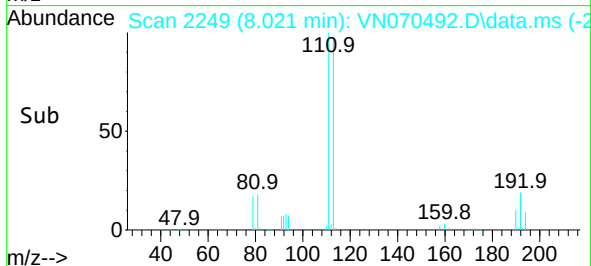


#35
Dibromofluoromethane
Concen: 48.578 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

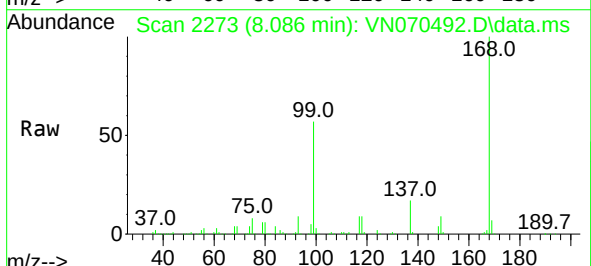
Instrument :
MSVOA_N
ClientSampleId :



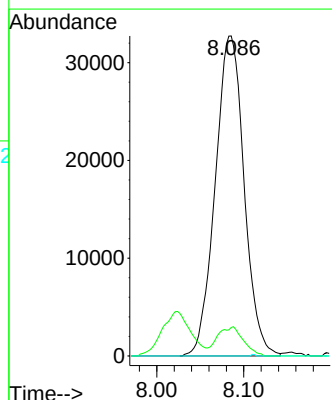
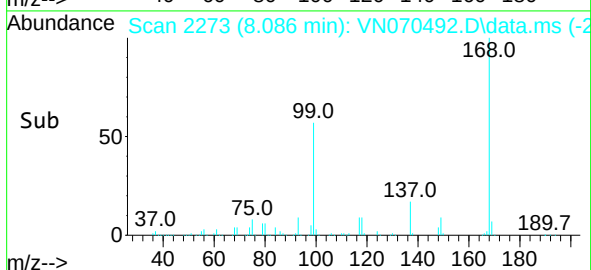
Tgt Ion:113 Resp: 470012
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.3 16.9 25.3

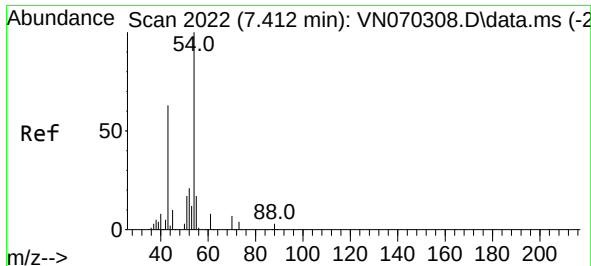


#36
1,1-Dichloropropene
Concen: 4.725 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21



Tgt Ion: 75 Resp: 75624
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.798 ug/l

RT: 7.348 min Scan# 19

Delta R.T. -0.064 min

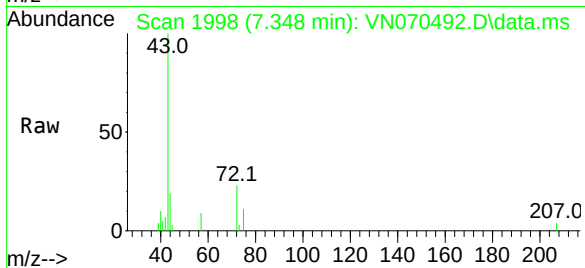
Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

ClientSampleId :



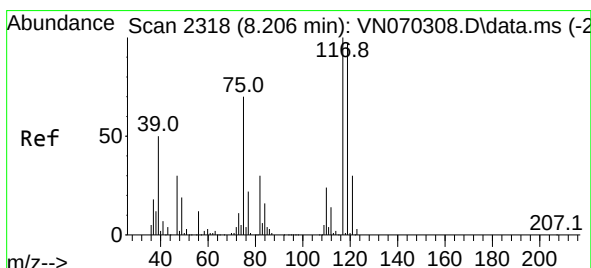
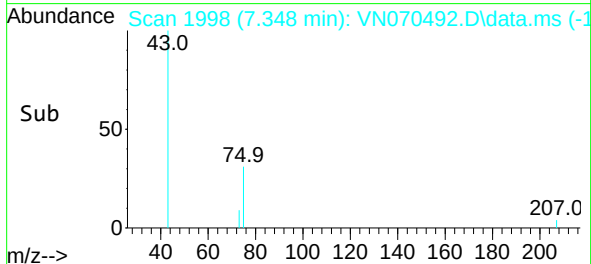
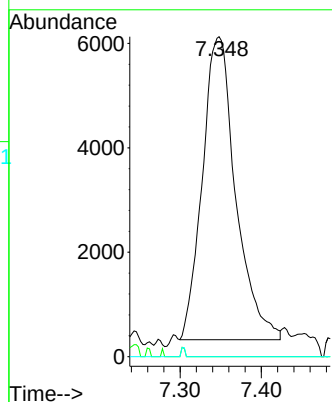
Tgt Ion: 43 Resp: 16561

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

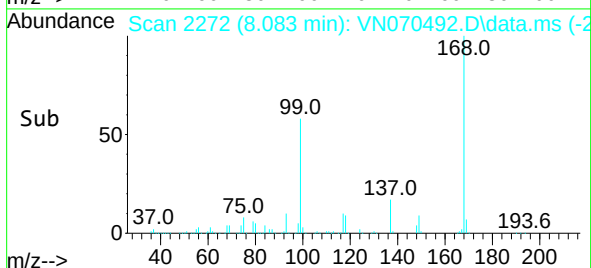
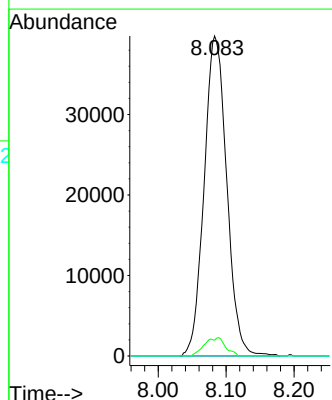
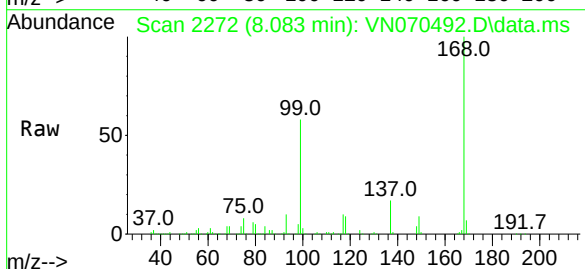
Tgt Ion: 117 Resp: 91786

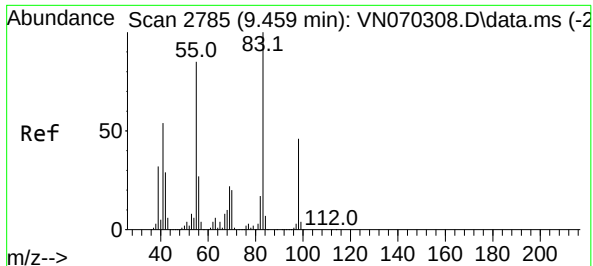
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.401 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.000 min

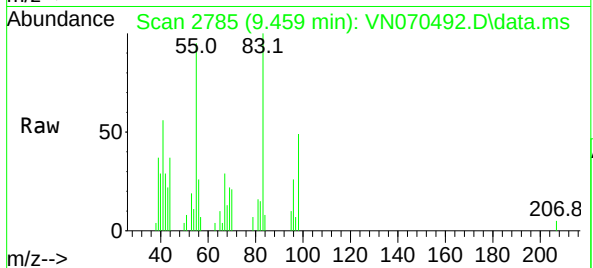
Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

ClientSampleId :



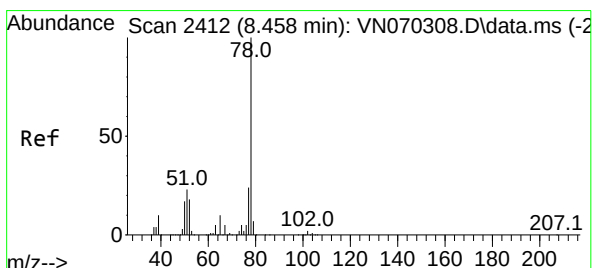
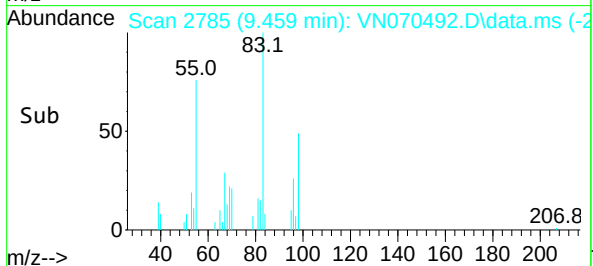
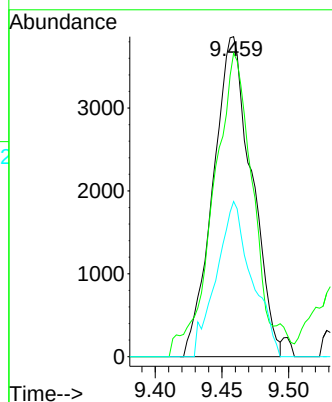
Tgt Ion: 83 Resp: 7771

Ion Ratio Lower Upper

83 100

55 88.3 58.1 87.1#

98 48.5 38.4 57.6



#40

Benzene

Concen: 0.971 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.003 min

Lab File: VN070492.D

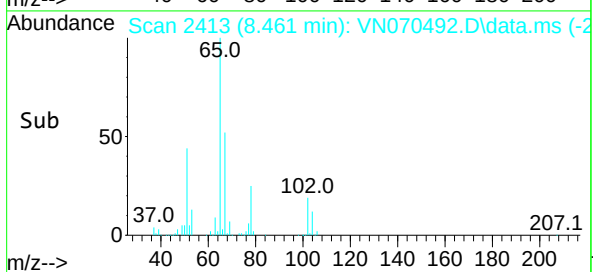
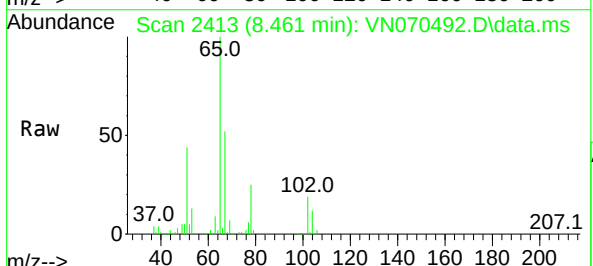
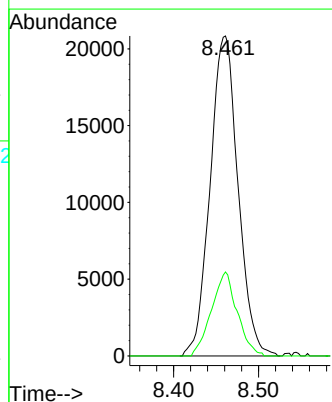
Acq: 5 Jan 2022 16:21

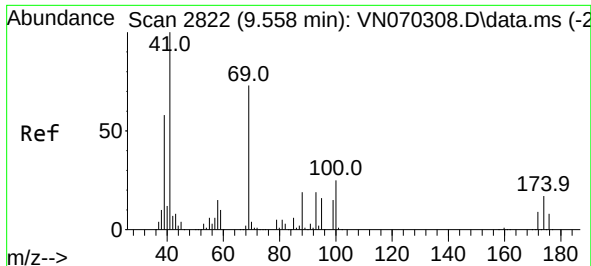
Tgt Ion: 78 Resp: 47656

Ion Ratio Lower Upper

78 100

77 26.2 18.6 27.8





#48

Methyl methacrylate

Concen: 0.482 ug/l

RT: 9.537 min Scan# 2814

Delta R.T. -0.021 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

ClientSampleId :

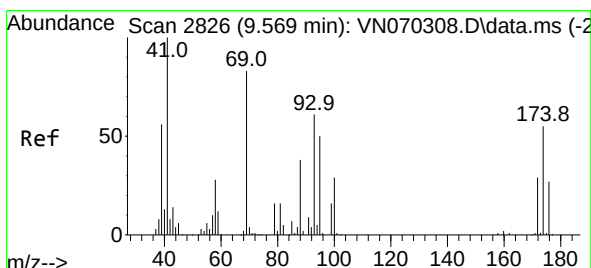
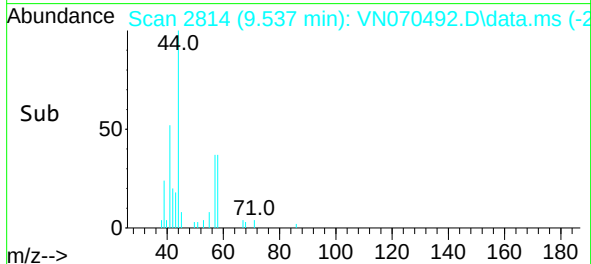
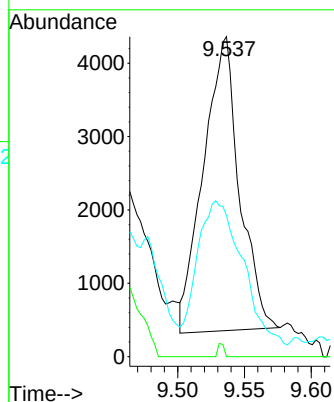
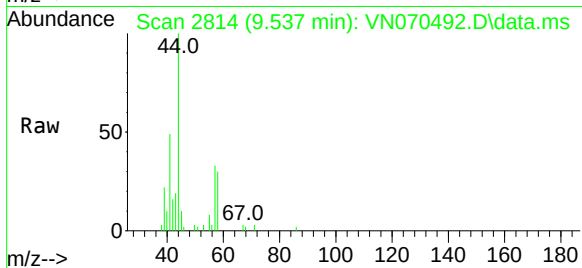
Tgt Ion: 41 Resp: 7519

Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 60.9 58.4 87.6



#49

1,4-Dioxane

Concen: 0.416 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.008 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

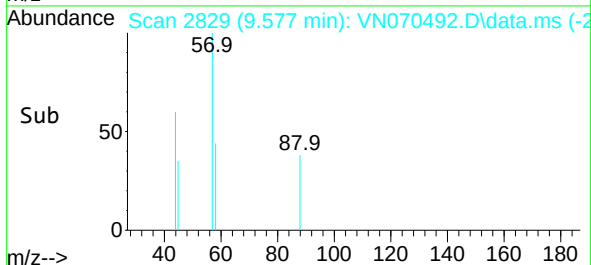
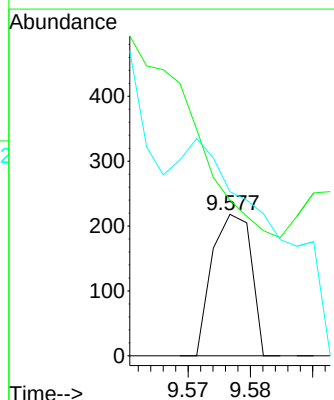
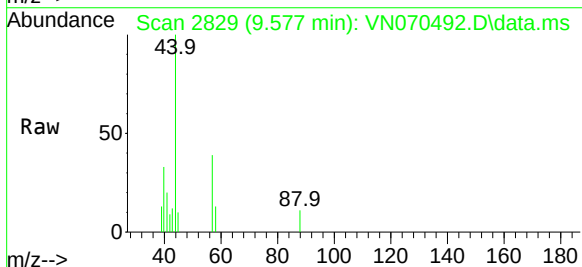
Tgt Ion: 88 Resp: 95

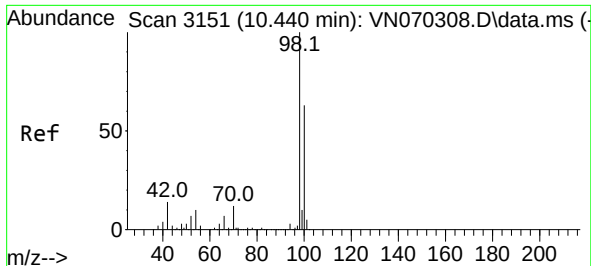
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#

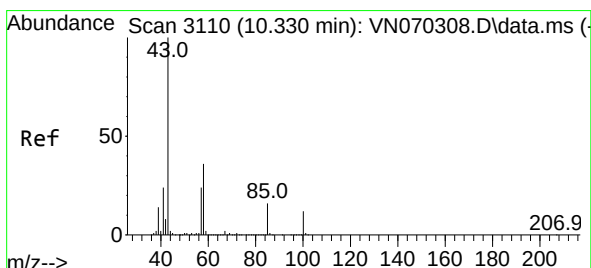
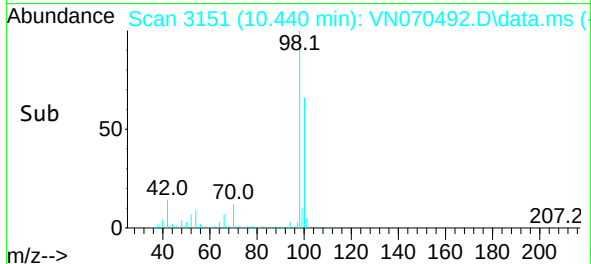
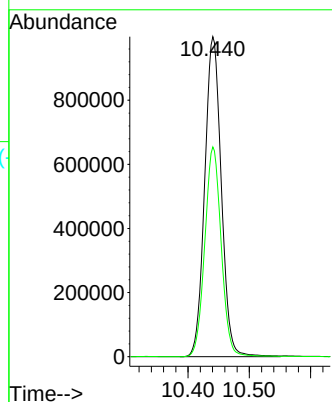
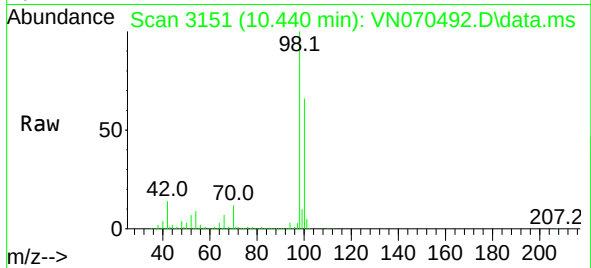




#50
Toluene-d8
Concen: 47.528 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

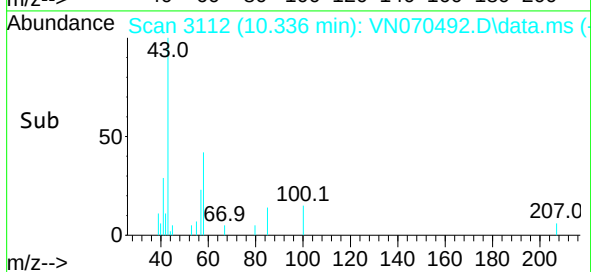
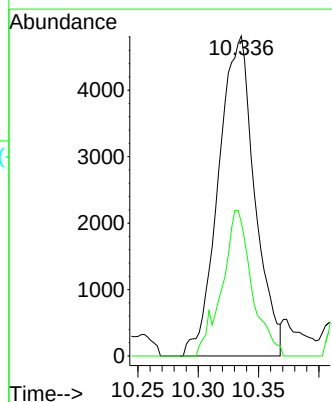
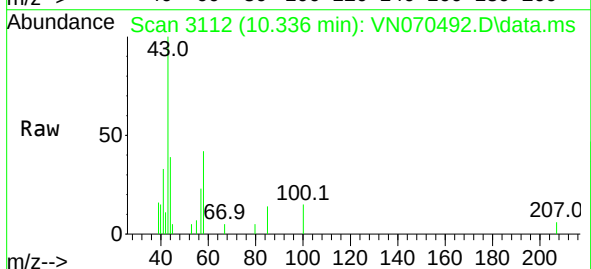
Instrument :
MSVOA_N
ClientSampleId :

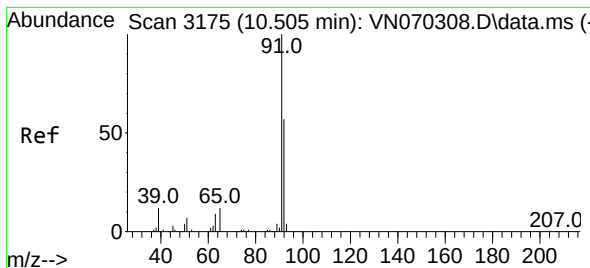
Tgt Ion: 98 Resp: 1878552
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
58 37.4 30.4 45.6





#52

Toluene

Concen: 0.389 ug/l

RT: 10.507 min Scan# 3175

Delta R.T. 0.002 min

Lab File: VN070492.D

Acq: 5 Jan 2022 16:21

Instrument :

MSVOA_N

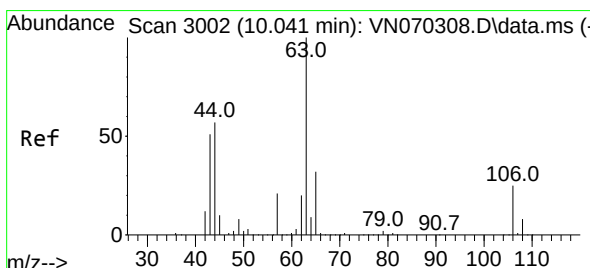
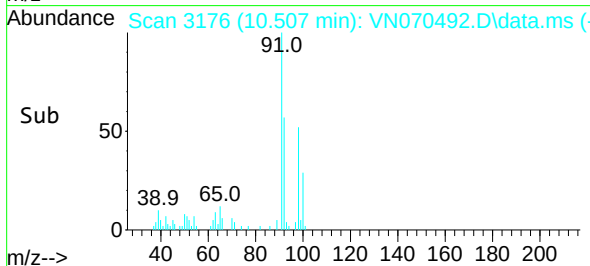
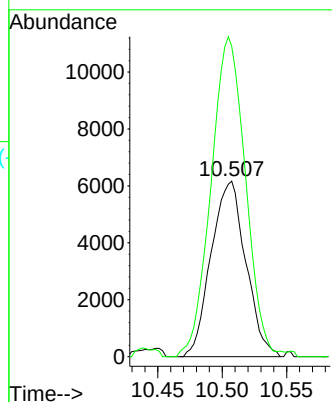
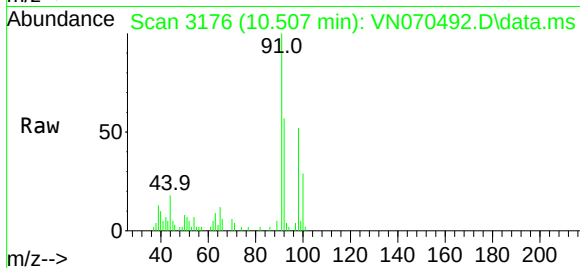
ClientSampleId :

Tgt Ion: 92 Resp: 11549

Ion Ratio Lower Upper

92 100

91 181.2 142.0 213.0



#58

2-Chloroethyl Vinyl ether

Concen: 18.543 ug/l

RT: 10.070 min Scan# 3013

Delta R.T. 0.029 min

Lab File: VN070492.D

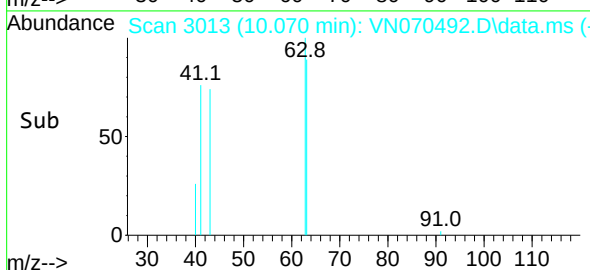
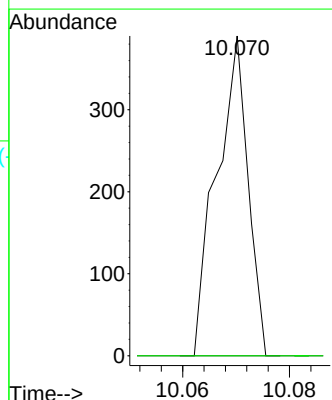
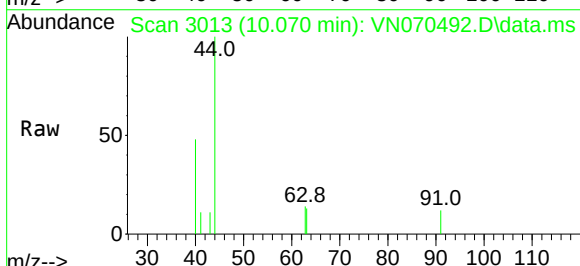
Acq: 5 Jan 2022 16:21

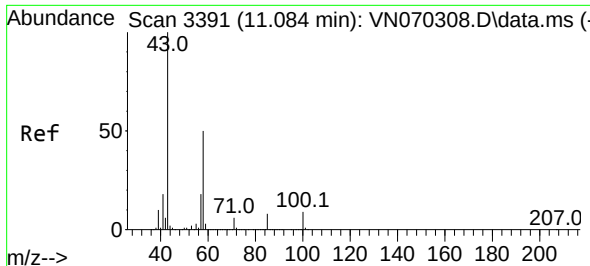
Tgt Ion: 63 Resp: 159

Ion Ratio Lower Upper

63 100

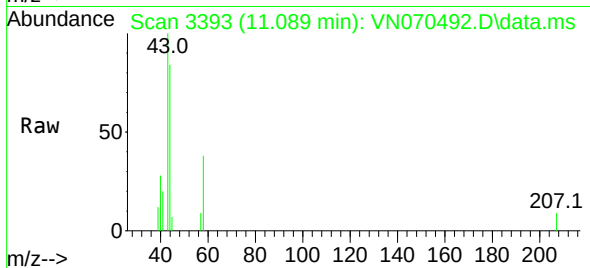
106 0.0 23.9 35.9#



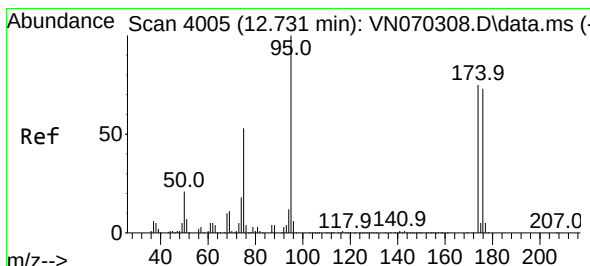
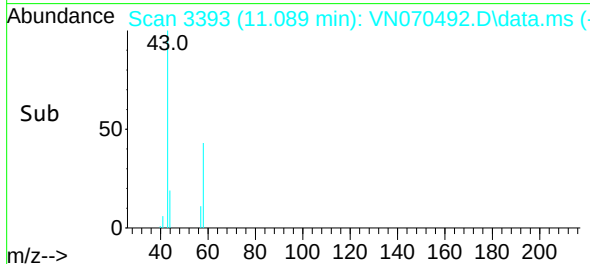
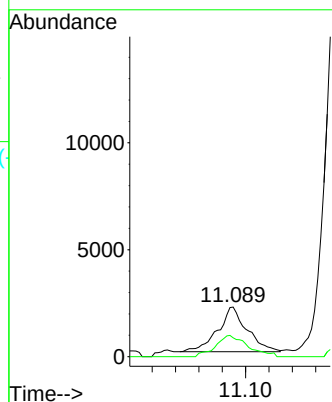


#59
2-Hexanone
Concen: 0.242 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Instrument :
MSVOA_N
ClientSampleId :

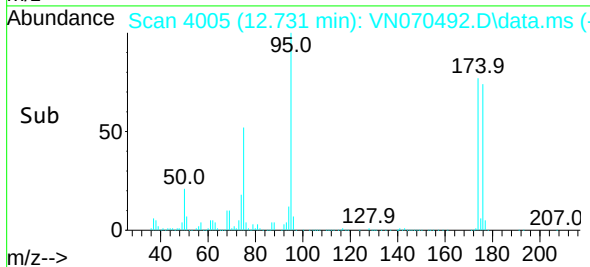
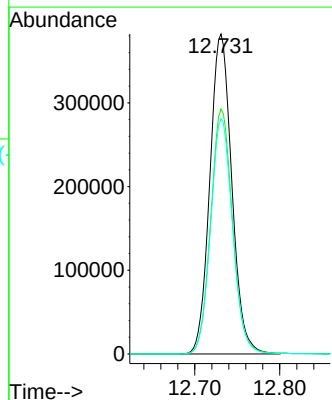
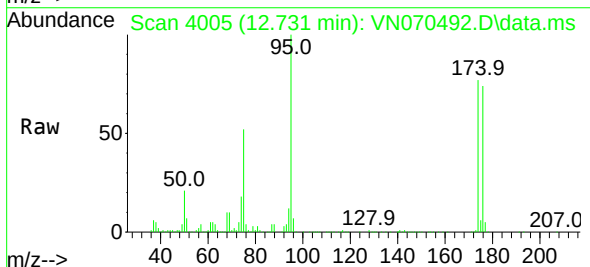


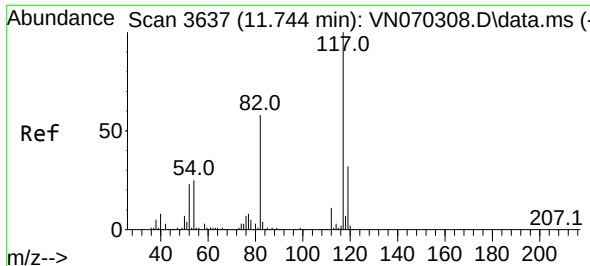
Tgt Ion: 43 Resp: 3630
Ion Ratio Lower Upper
43 100
58 52.3 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.971 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

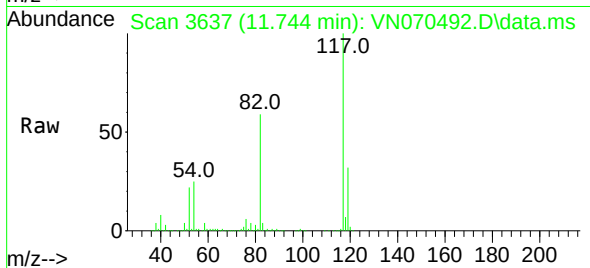
Tgt Ion: 95 Resp: 684810
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.6 0.0 181.4



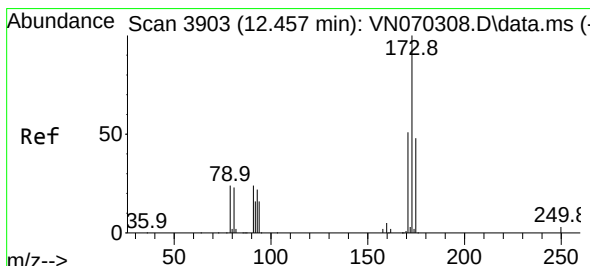
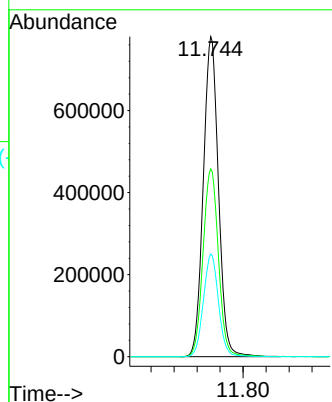
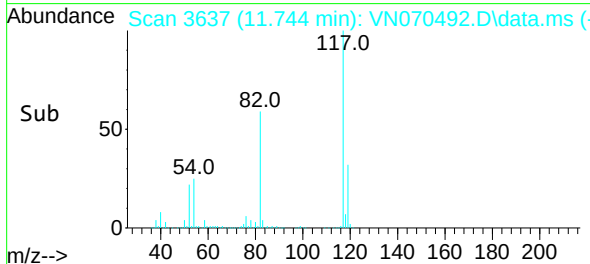


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Instrument :
MSVOA_N
ClientSampleId :

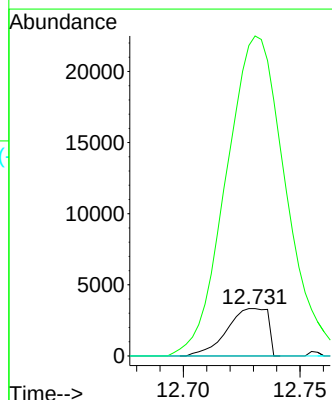
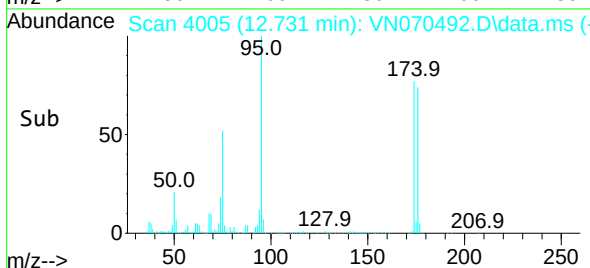
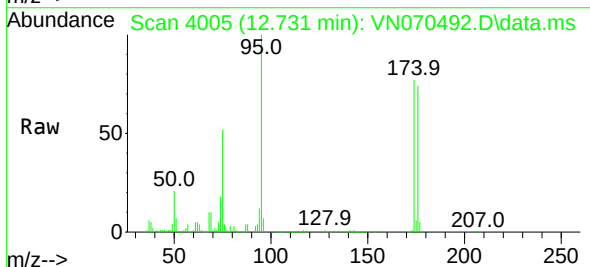


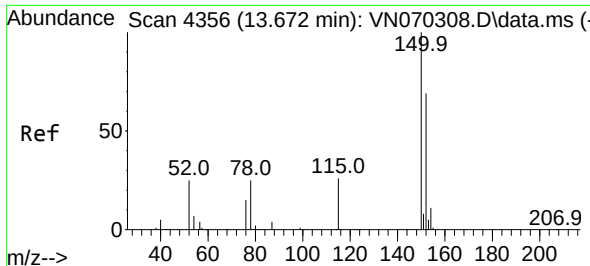
Tgt Ion:117 Resp: 1426825
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.508 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

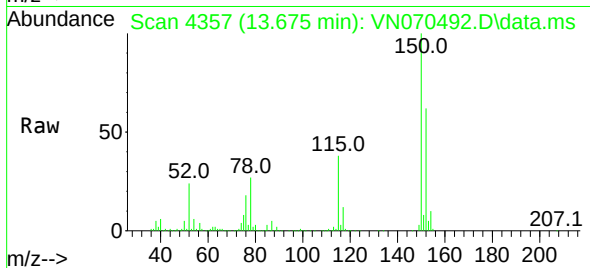
Tgt Ion:173 Resp: 4078
Ion Ratio Lower Upper
173 100
175 894.9 24.2 72.6#
254 0.0 0.0 0.0



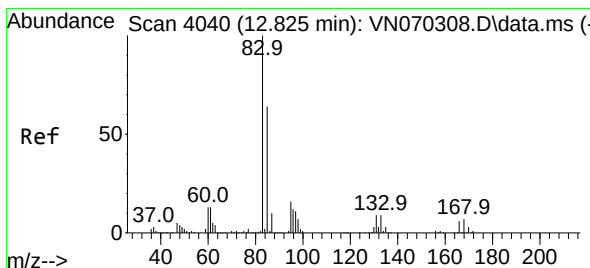
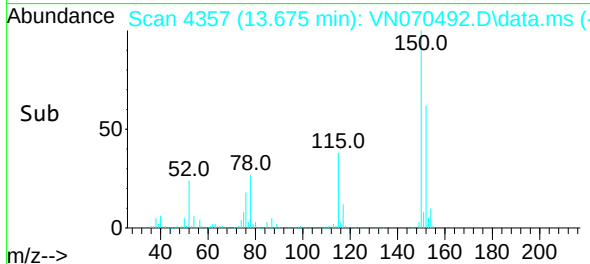
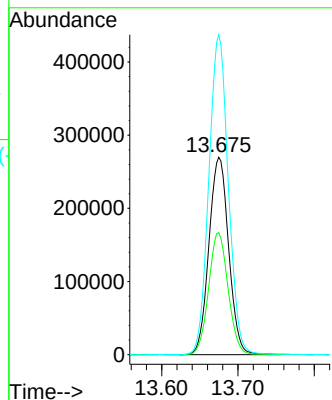


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070492.D
 Acq: 5 Jan 2022 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

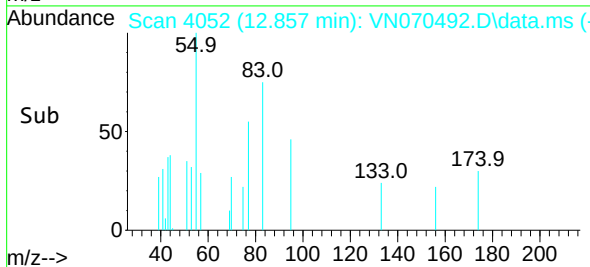
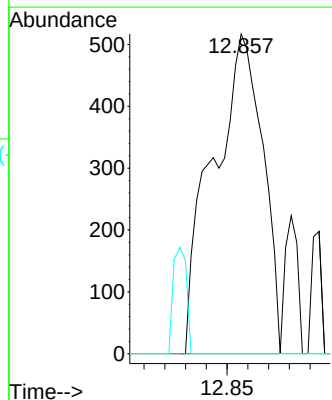
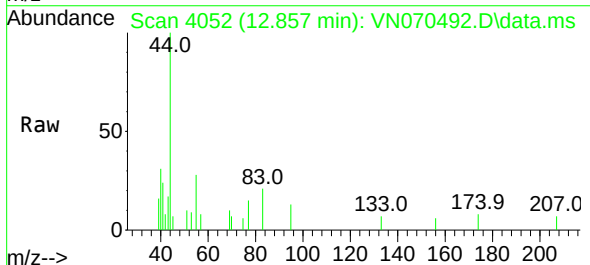


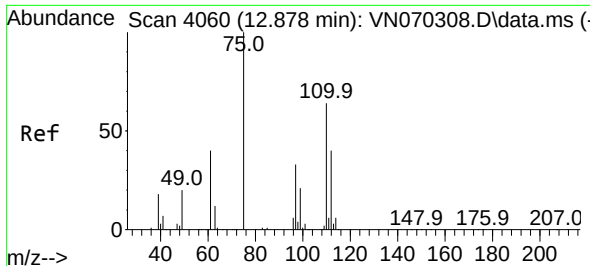
Tgt Ion:152 Resp: 484561
 Ion Ratio Lower Upper
 152 100
 115 61.1 27.5 82.5
 150 159.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.499 ug/l
 RT: 12.857 min Scan# 4052
 Delta R.T. 0.032 min
 Lab File: VN070492.D
 Acq: 5 Jan 2022 16:21

Tgt Ion: 83 Resp: 864
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

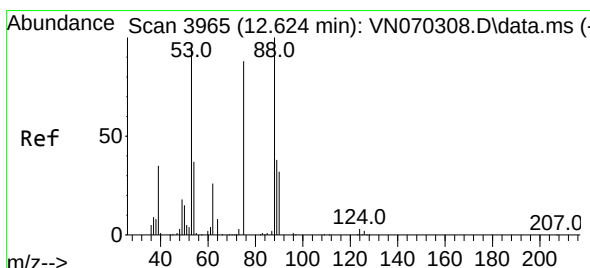
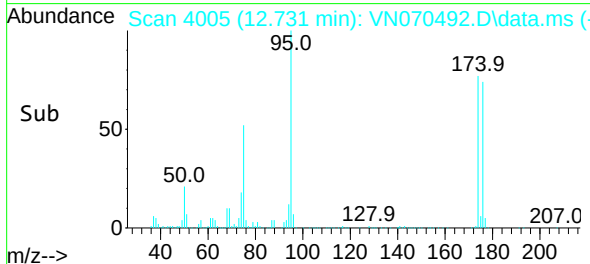
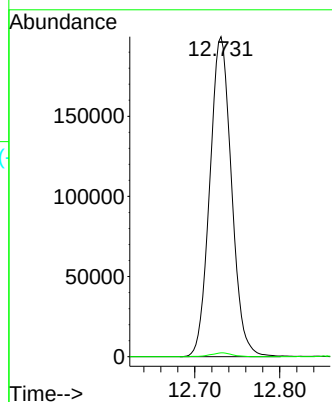
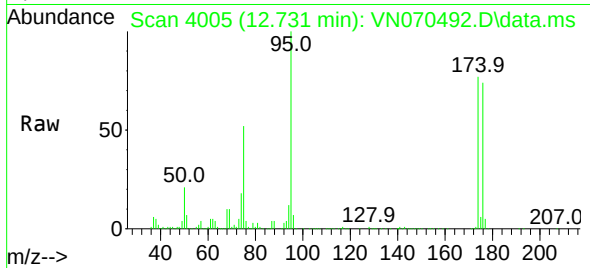




#76
1,2,3-Trichloropropane
Concen: 26.103 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

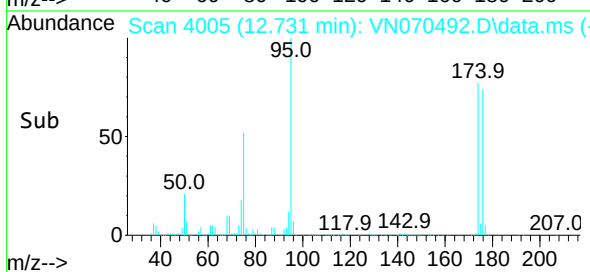
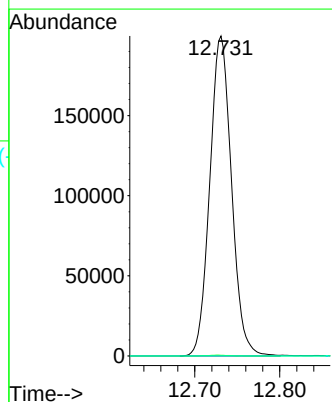
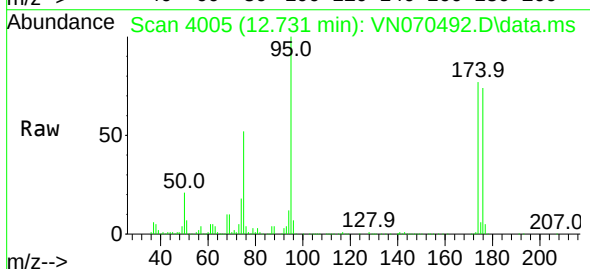
Instrument :
MSVOA_N
ClientSampleId :

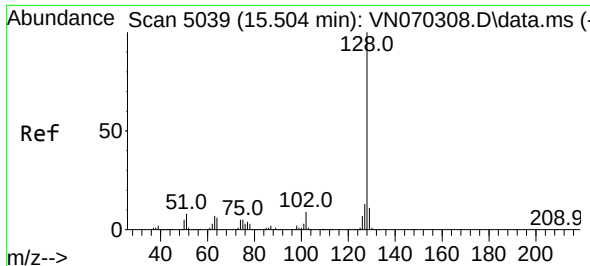
Tgt Ion: 75 Resp: 354634
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.417 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Tgt Ion: 75 Resp: 354634
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

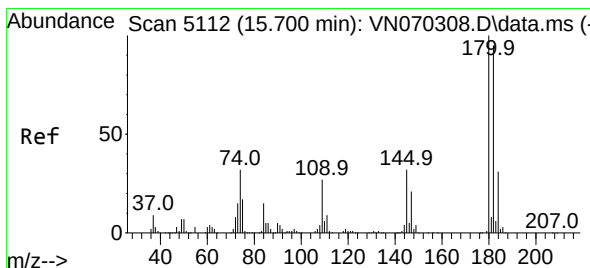
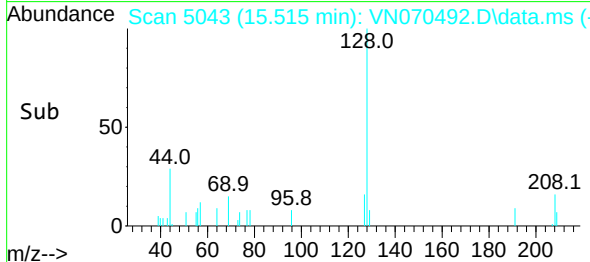
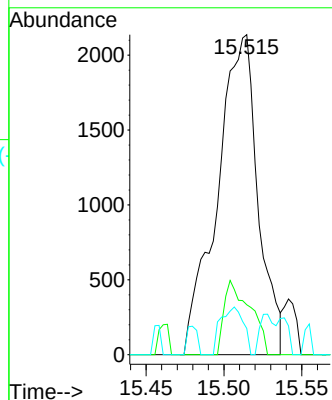
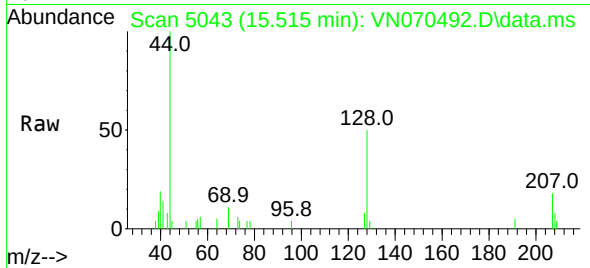




#95
Naphthalene
Concen: 1.967 ug/l
RT: 15.515 min Scan# 5039
Delta R.T. 0.011 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3887
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 8.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.879 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070492.D
Acq: 5 Jan 2022 16:21

Tgt Ion:180 Resp: 410
Ion Ratio Lower Upper
180 100
182 207.8 47.4 142.2#
145 6.1 15.0 45.1#

