

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070489.D
 Acq On : 5 Jan 2022 15:05
 Operator : JC/MD
 Sample : N1012-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 12:34:51 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)

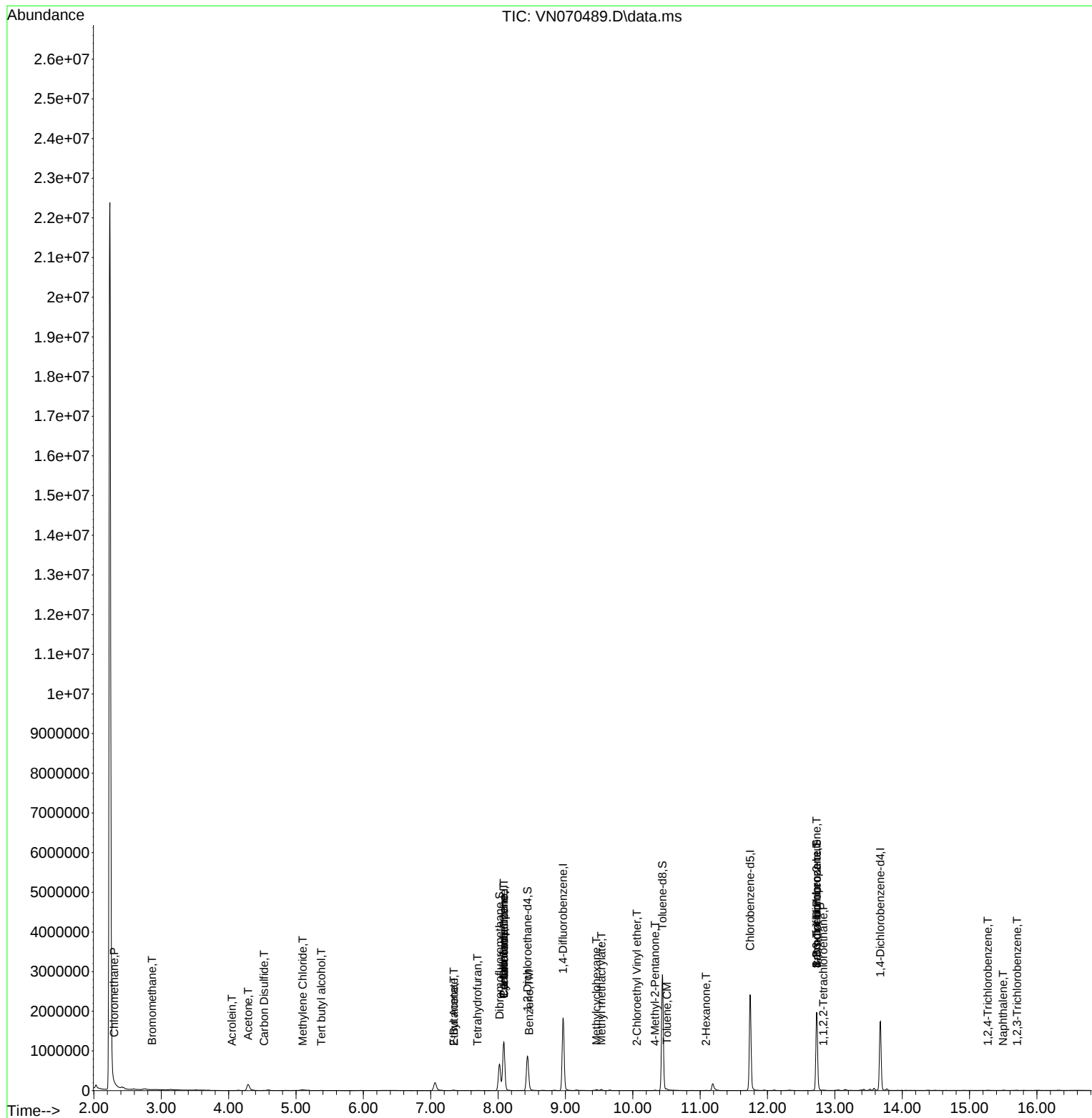
Internal Standards						
1) Pentafluorobenzene	8.086	168	944884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1589840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1415868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	493371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	723320	53.242	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.480%	
35) Dibromofluoromethane	8.021	113	499557	51.933	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.860%	
50) Toluene-d8	10.440	98	2024045	51.508	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.731	95	726777	51.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	4053	0.278	ug/l	96
5) Bromomethane	2.864	94	1505	0.220	ug/l #	67
11) Tert butyl alcohol	5.377	59	3615	1.598	ug/l #	93
13) Acrolein	4.047	56	864	0.471	ug/l	98
16) Acetone	4.288	43	297027	33.680	ug/l	100
17) Carbon Disulfide	4.527	76	5570	0.212	ug/l #	95
20) Methylene Chloride	5.098	84	8660	0.710	ug/l	95
25) 2-Butanone	7.343	43	19801	1.783	ug/l #	84
29) Tetrahydrofuran	7.694	42	4629	0.699	ug/l #	80
31) Cyclohexane	8.088	56	28730	1.340	ug/l #	18
36) 1,1-Dichloropropene	8.083	75	75162	4.723	ug/l #	48
37) Ethyl Acetate	7.343	43	19801	0.960	ug/l #	68
38) Carbon Tetrachloride	8.086	117	93387	6.146	ug/l #	17
39) Methylcyclohexane	9.462	83	6177	0.321	ug/l	87
40) Benzene	8.461	78	35914	0.736	ug/l	95
48) Methyl methacrylate	9.534	41	8945	0.577	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	10233	0.501	ug/l	93
52) Toluene	10.505	92	11131	0.377	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.060	63	104	18.532	ug/l #	45
59) 2-Hexanone	11.087	43	4435	0.298	ug/l	99
71) Bromoform	12.731	173	4877	0.613	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.830	83	407	0.471	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	370782	26.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	370782	91.819	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	1737	0.214	ug/l #	62
95) Naphthalene	15.499	128	3376	1.942	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.705	180	1863	1.062	ug/l	96

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

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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

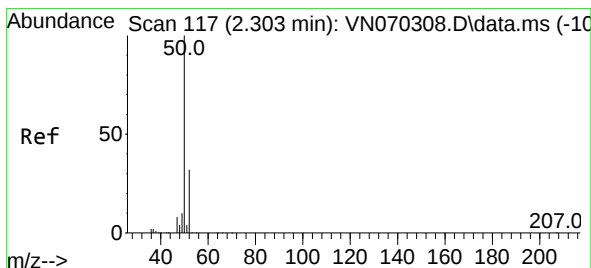
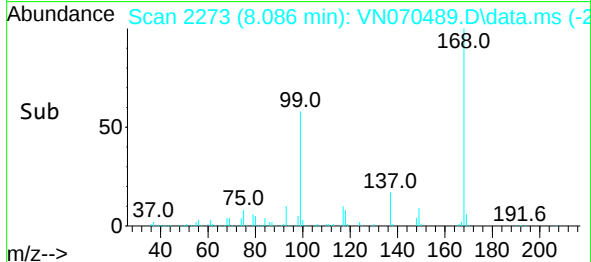
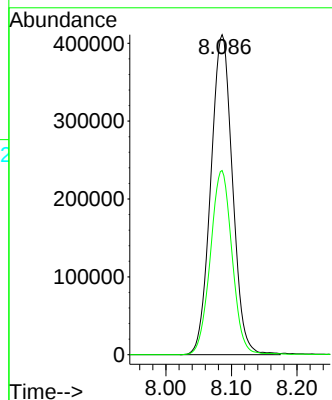
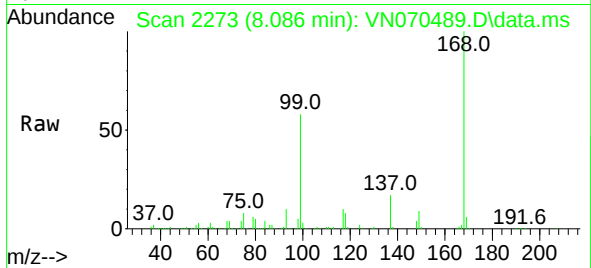




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

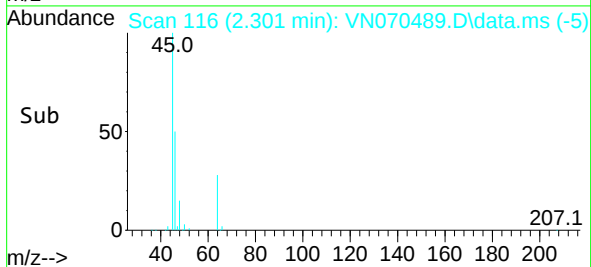
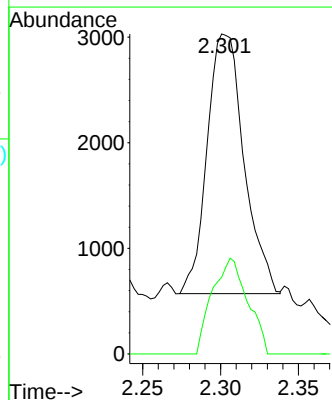
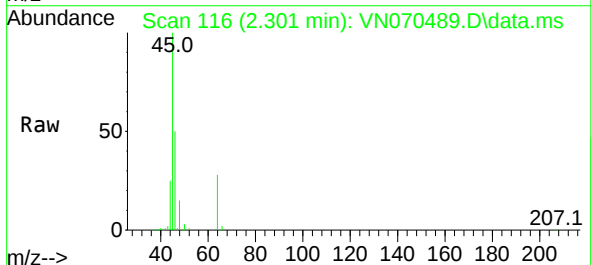
Instrument :
MSVOA_N
ClientSampleId :

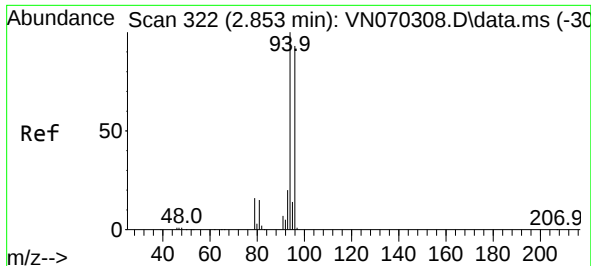
Tgt Ion:168 Resp: 944884
Ion Ratio Lower Upper
168 100
99 57.5 41.3 61.9



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Tgt Ion: 50 Resp: 4053
Ion Ratio Lower Upper
50 100
52 29.5 25.4 38.0

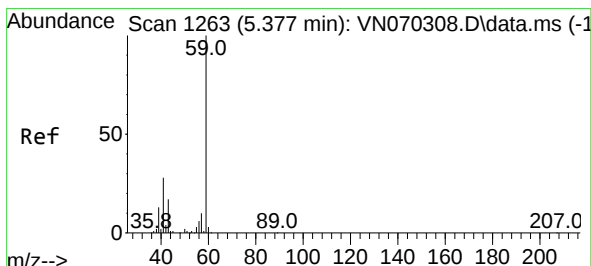
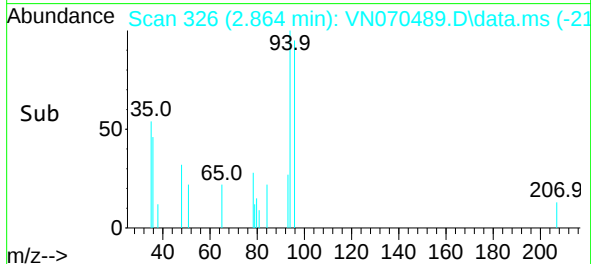
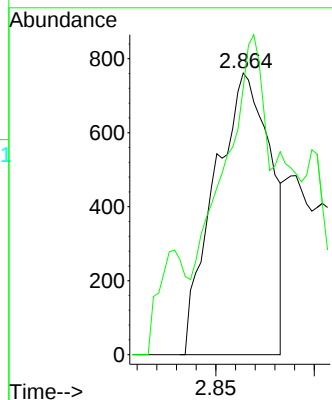
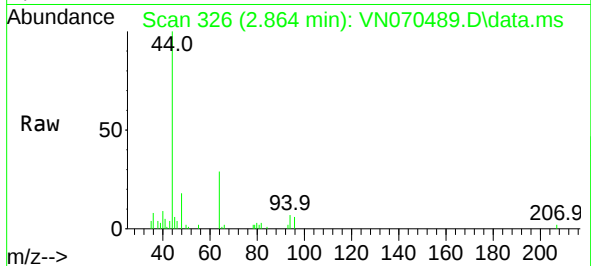




#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.864 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

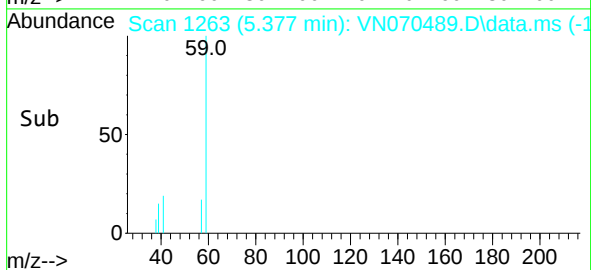
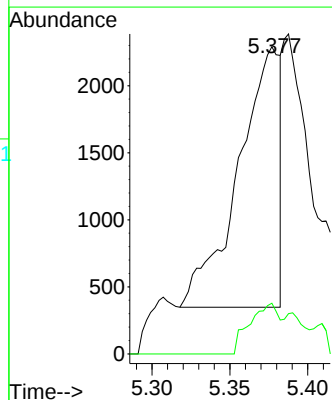
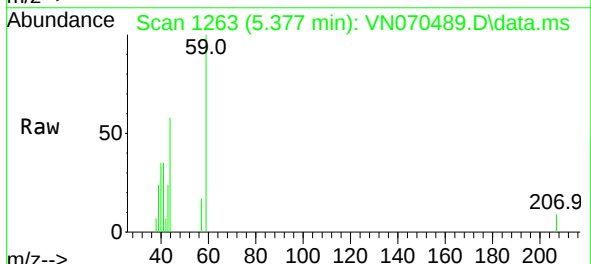
Instrument :
MSVOA_N
ClientSampleId :

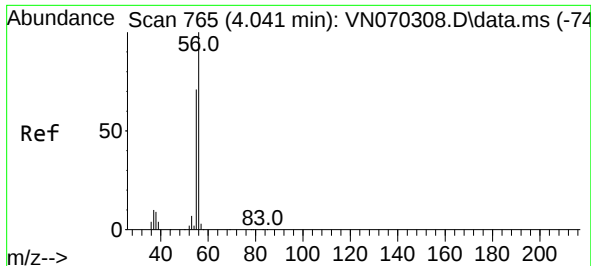
Tgt Ion: 94 Resp: 1505
Ion Ratio Lower Upper
94 100
96 61.1 73.8 110.8#



#11
Tert butyl alcohol
Concen: 1.598 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Tgt Ion: 59 Resp: 3615
Ion Ratio Lower Upper
59 100
57 13.4 8.7 13.1#





#13

Acrolein

Concen: 0.471 ug/l

RT: 4.047 min Scan# 765

Delta R.T. 0.006 min

Lab File: VN070489.D

Acq: 5 Jan 2022 15:05

Instrument :

MSVOA_N

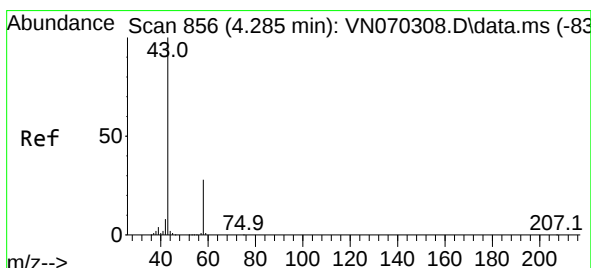
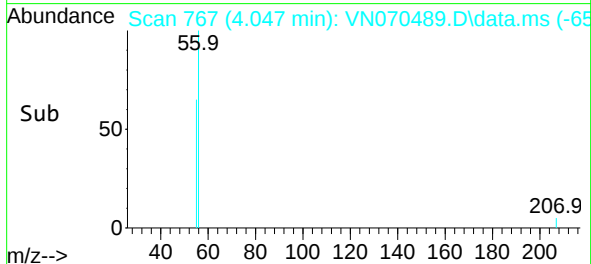
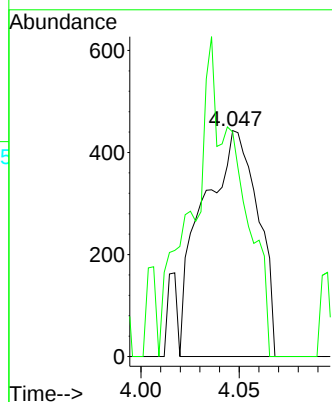
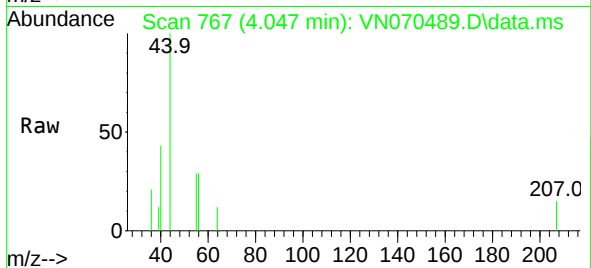
ClientSampleId :

Tgt Ion: 56 Resp: 864

Ion Ratio Lower Upper

56 100

55 72.7 56.6 85.0



#16

Acetone

Concen: 33.680 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070489.D

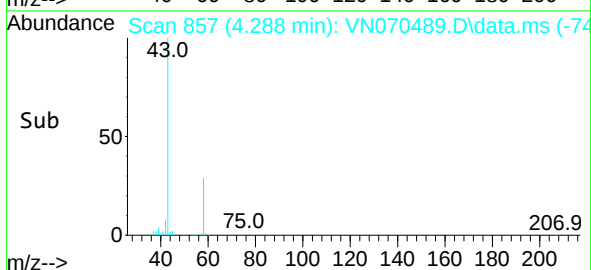
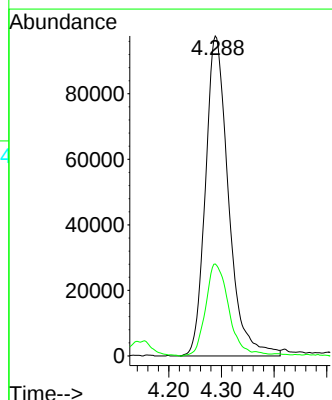
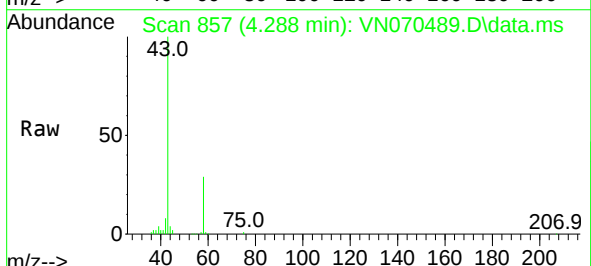
Acq: 5 Jan 2022 15:05

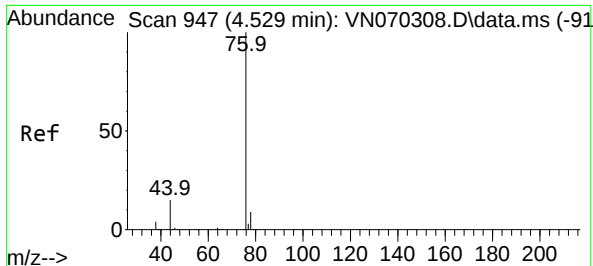
Tgt Ion: 43 Resp: 297027

Ion Ratio Lower Upper

43 100

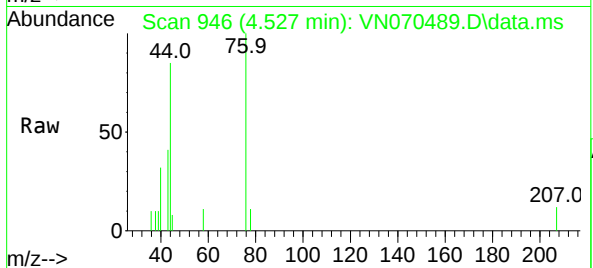
58 28.8 23.1 34.7



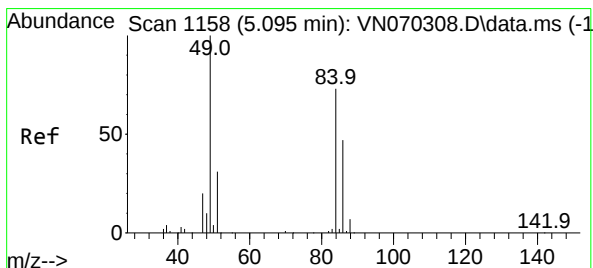
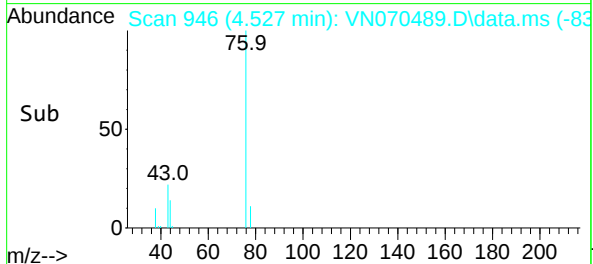
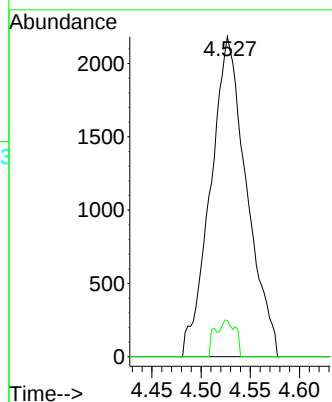


#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 4.527 min Scan# 947
Delta R.T. -0.002 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

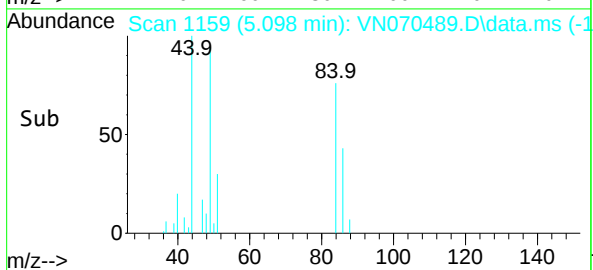
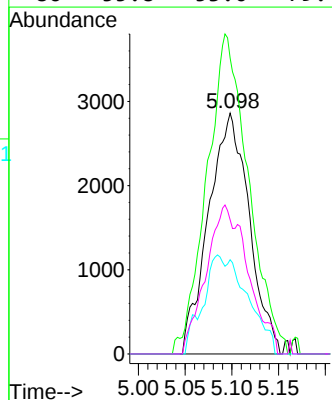
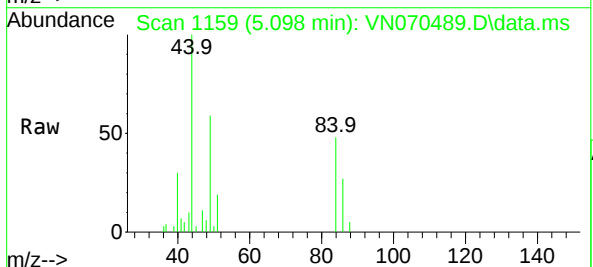


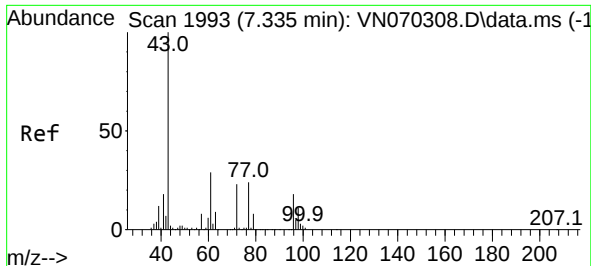
Tgt Ion: 76 Resp: 5570
Ion Ratio Lower Upper
76 100
78 11.3 7.5 11.3#



#20
Methylene Chloride
Concen: 0.710 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

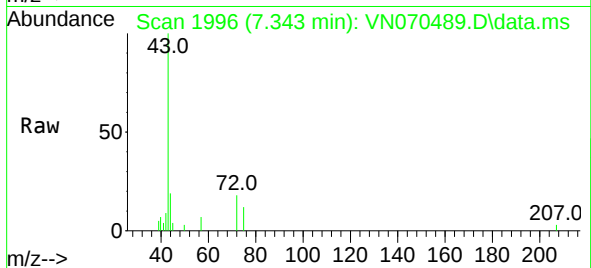
Tgt Ion: 84 Resp: 8660
Ion Ratio Lower Upper
84 100
49 116.5 93.5 140.3
51 39.1 29.4 44.2
86 55.8 53.0 79.4



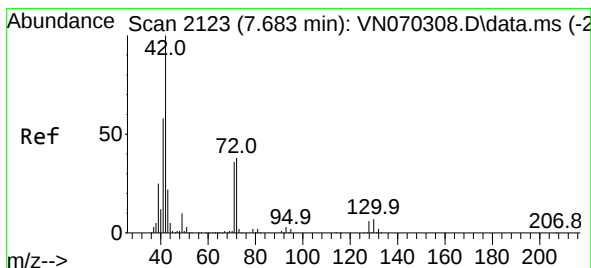
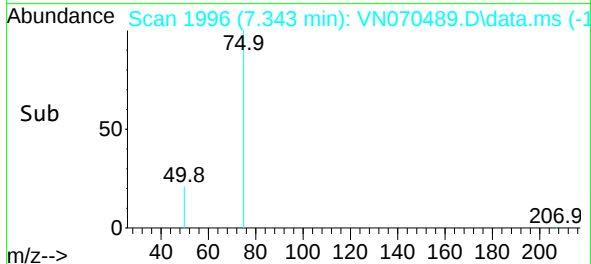
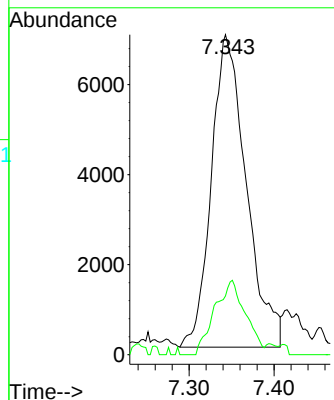


#25
2-Butanone
Concen: 1.783 ug/l
RT: 7.343 min Scan# 1993
Delta R.T. 0.008 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

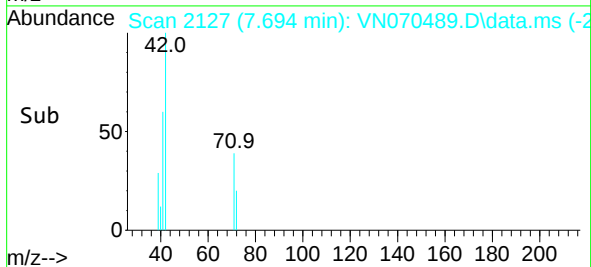
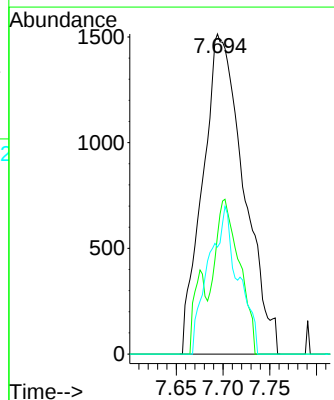
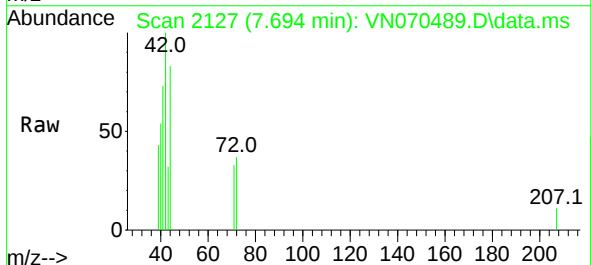


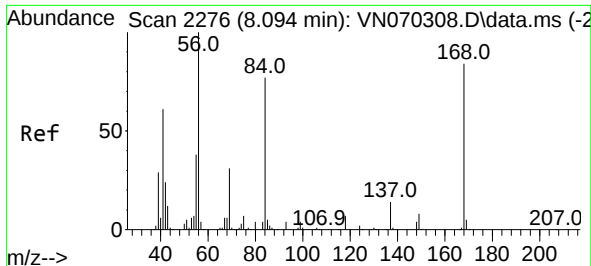
Tgt Ion: 43 Resp: 19801
Ion Ratio Lower Upper
43 100
72 18.8 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.699 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

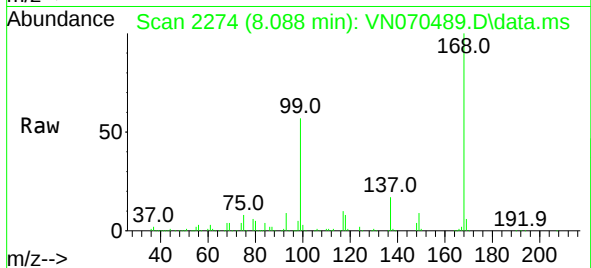
Tgt Ion: 42 Resp: 4629
Ion Ratio Lower Upper
42 100
72 28.9 36.3 54.5#
71 33.5 34.7 52.1#



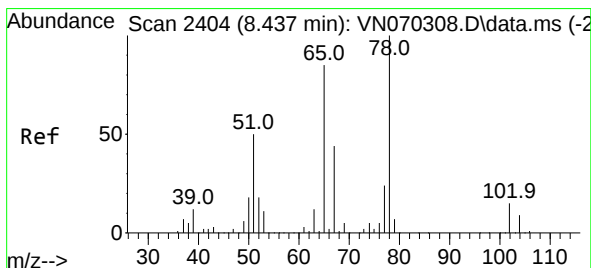
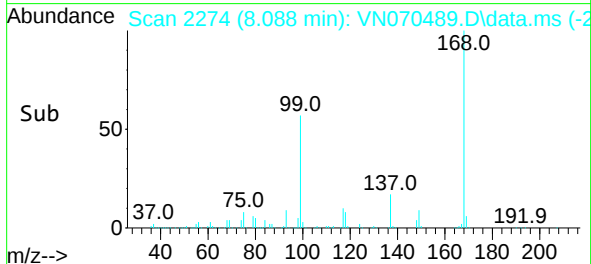
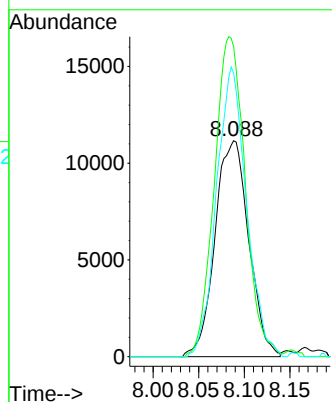


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

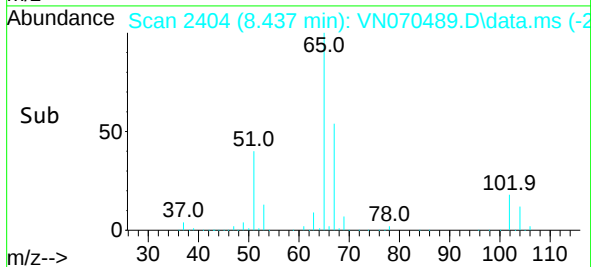
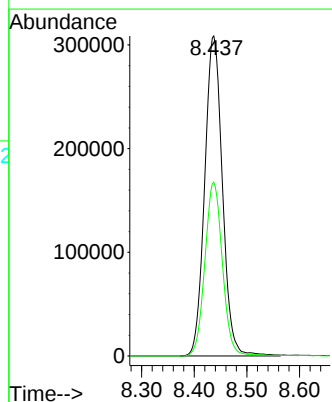
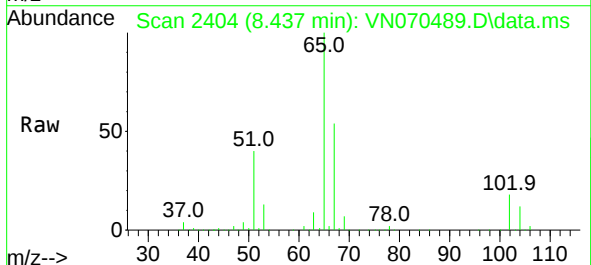


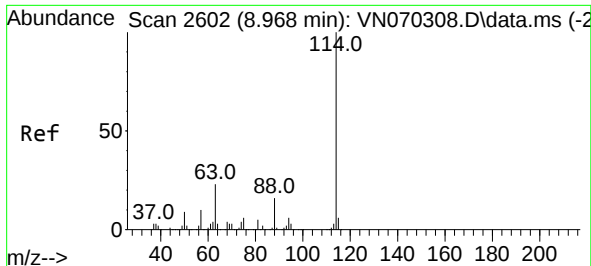
Tgt Ion: 56 Resp: 28730
Ion Ratio Lower Upper
56 100
69 143.5 27.1 40.7#
84 131.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.242 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

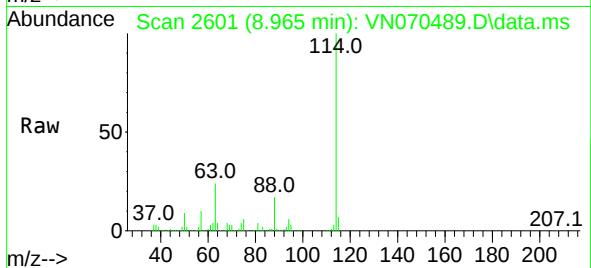
Tgt Ion: 65 Resp: 723320
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.0



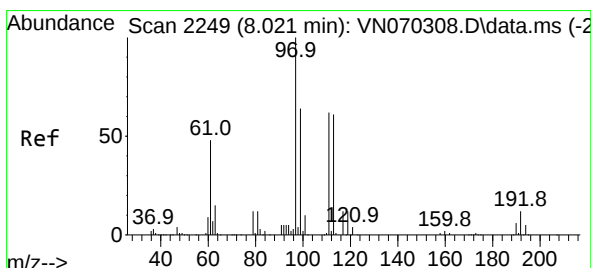
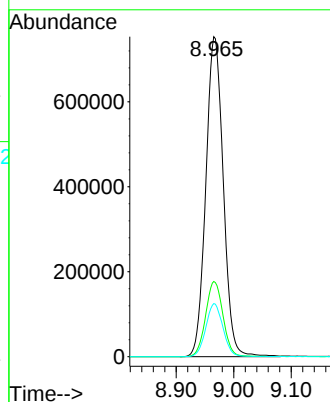
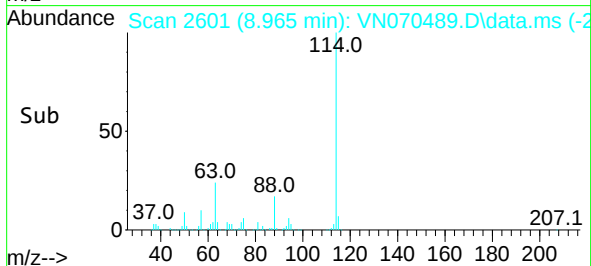


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

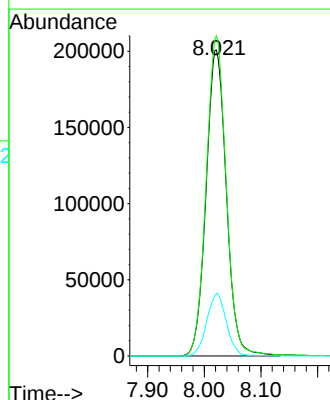
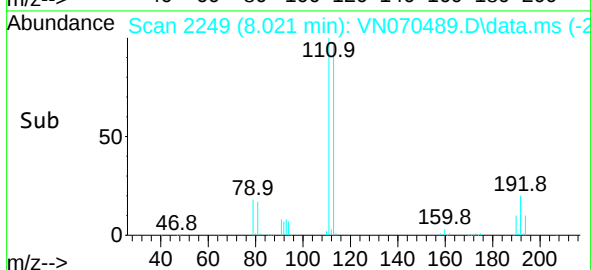
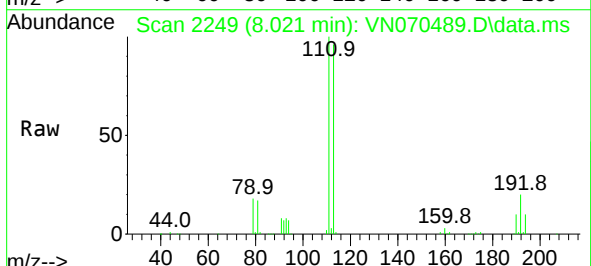


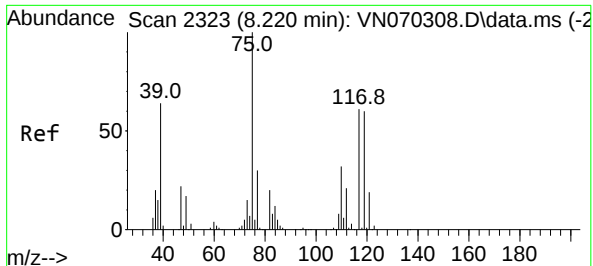
Tgt Ion:114 Resp: 1589840
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 51.933 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Tgt Ion:113 Resp: 499557
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.137 min

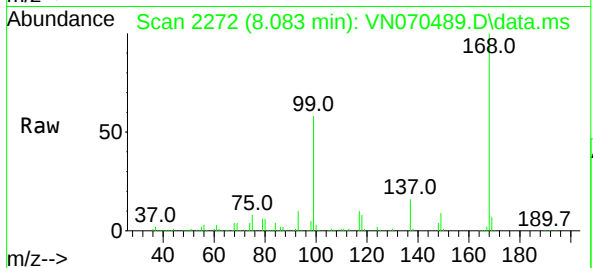
Lab File: VN070489.D

Acq: 5 Jan 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :



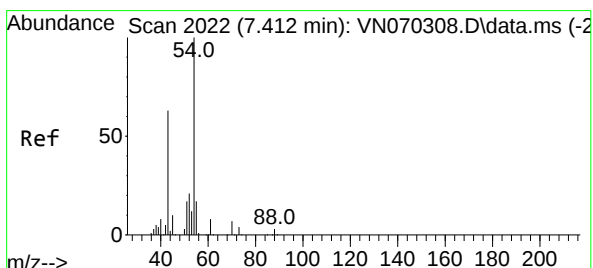
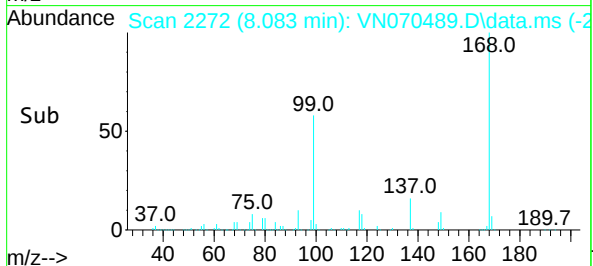
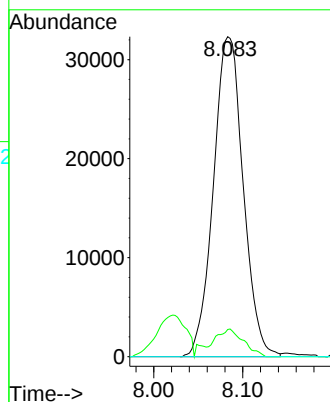
Tgt Ion: 75 Resp: 75162

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.960 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.069 min

Lab File: VN070489.D

Acq: 5 Jan 2022 15:05

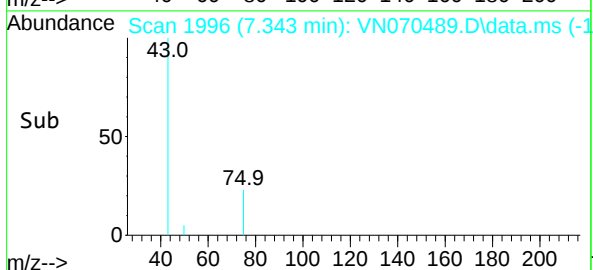
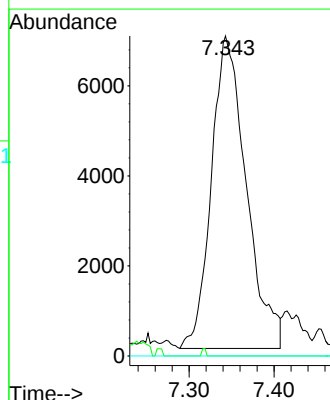
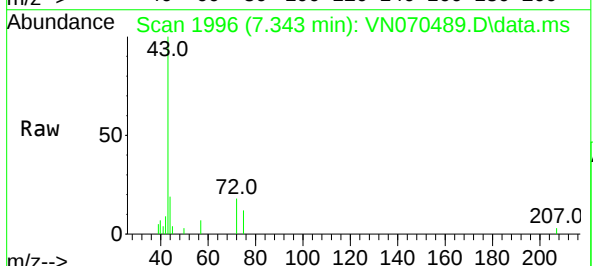
Tgt Ion: 43 Resp: 19801

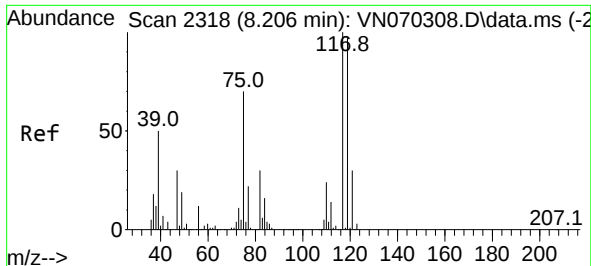
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

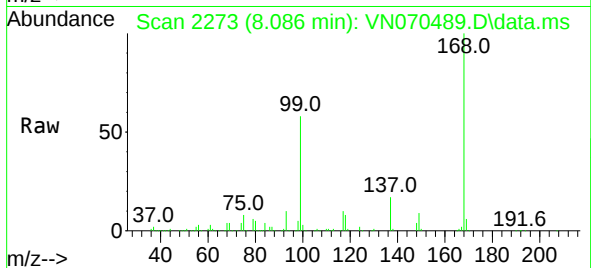
70 0.0 7.9 11.9#



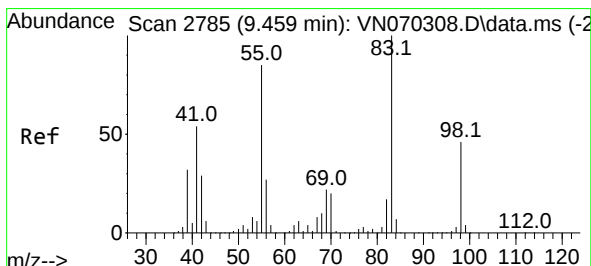
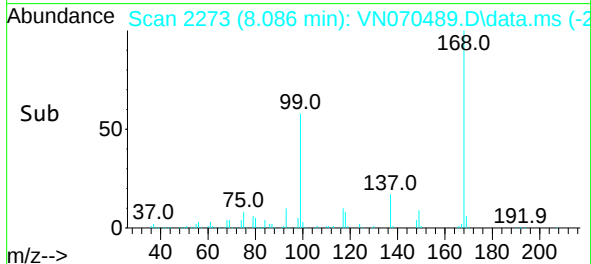
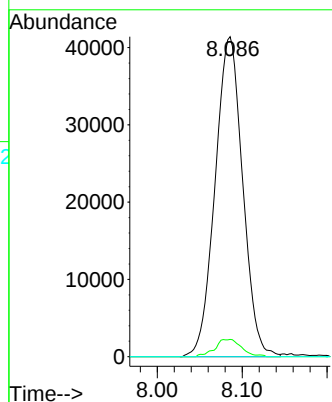


#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

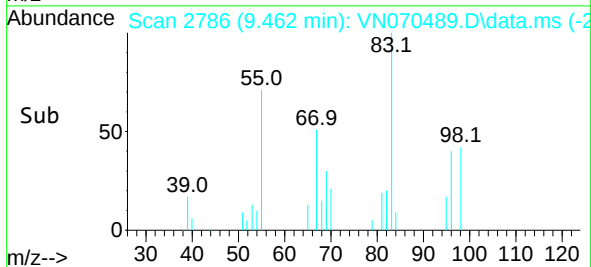
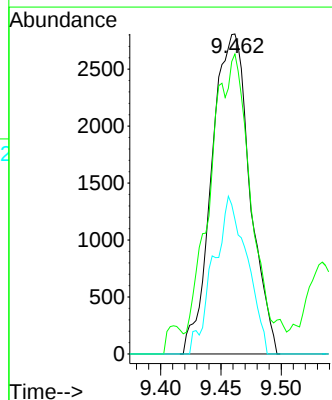
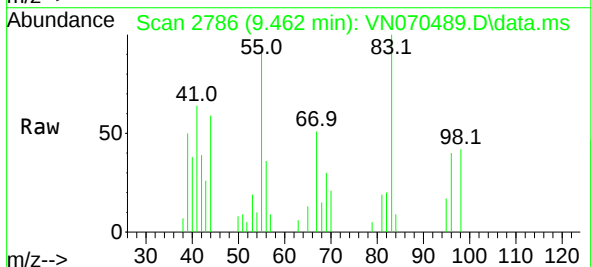


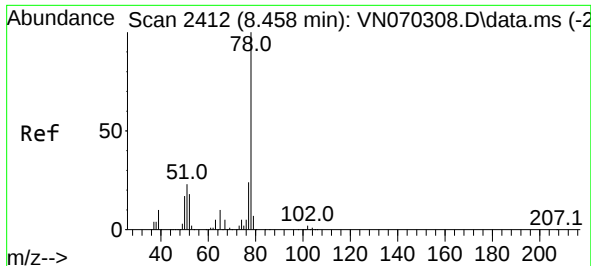
Tgt Ion:117 Resp: 93387
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.321 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Tgt Ion: 83 Resp: 6177
Ion Ratio Lower Upper
83 100
55 86.2 58.1 87.1
98 42.0 38.4 57.6





#40

Benzene

Concen: 0.736 ug/l

RT: 8.461 min Scan# 2412

Delta R.T. 0.003 min

Lab File: VN070489.D

Acq: 5 Jan 2022 15:05

Instrument :

MSVOA_N

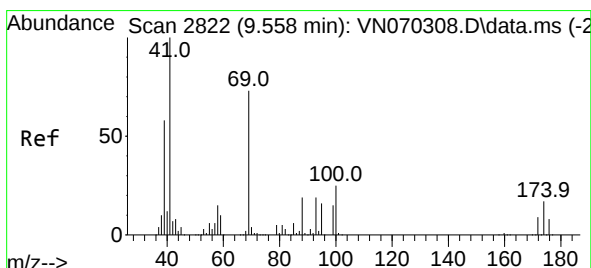
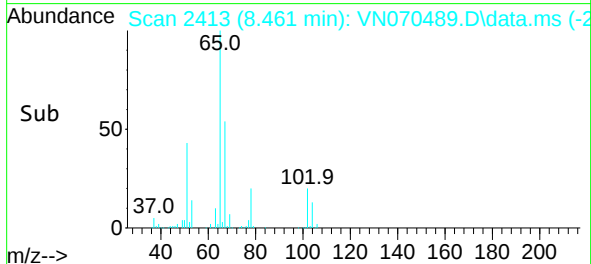
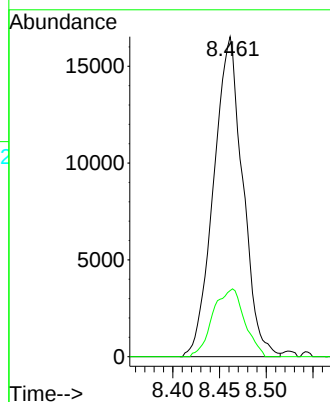
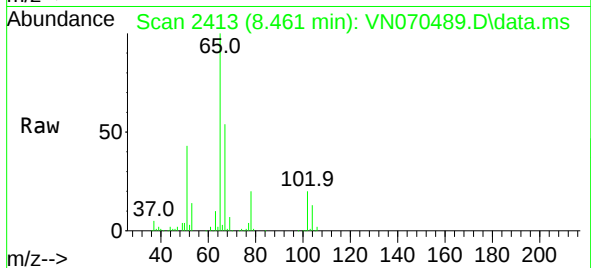
ClientSampleId :

Tgt Ion: 78 Resp: 35914

Ion Ratio Lower Upper

78 100

77 20.7 18.6 27.8



#48

Methyl methacrylate

Concen: 0.577 ug/l

RT: 9.534 min Scan# 2813

Delta R.T. -0.024 min

Lab File: VN070489.D

Acq: 5 Jan 2022 15:05

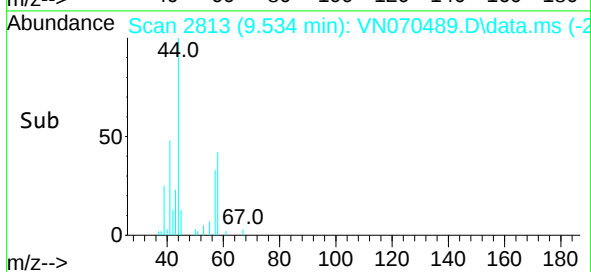
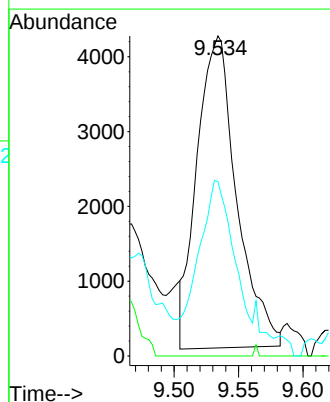
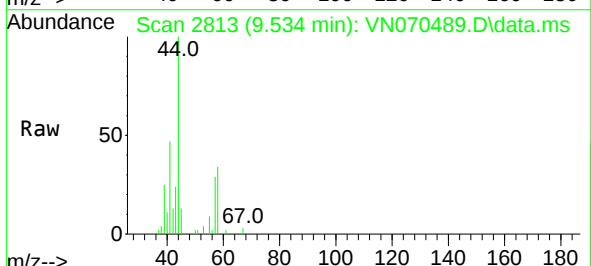
Tgt Ion: 41 Resp: 8945

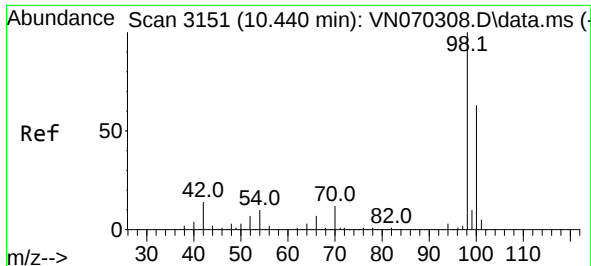
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 34.7 58.4 87.6#

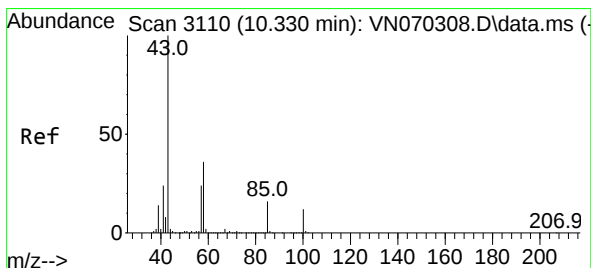
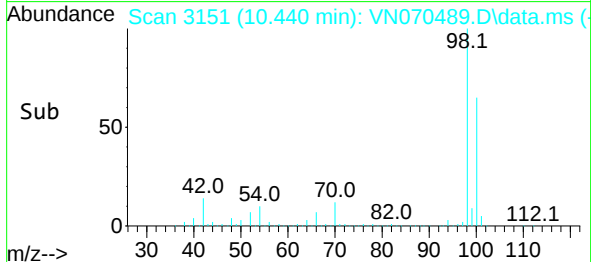
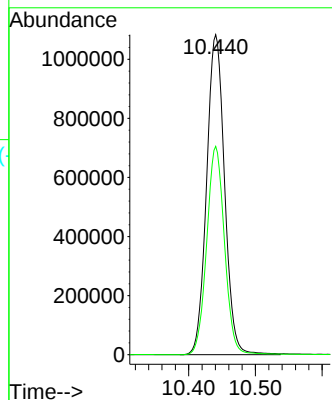
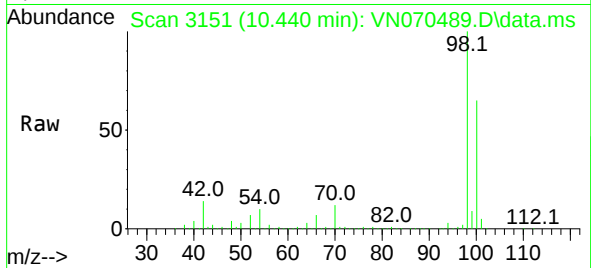




#50
Toluene-d8
Concen: 51.508 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

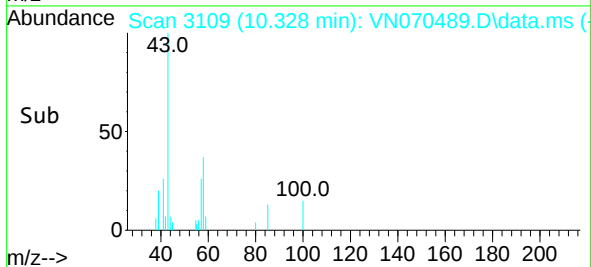
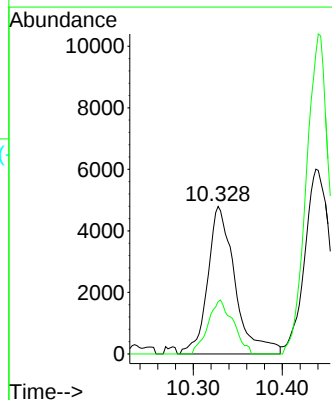
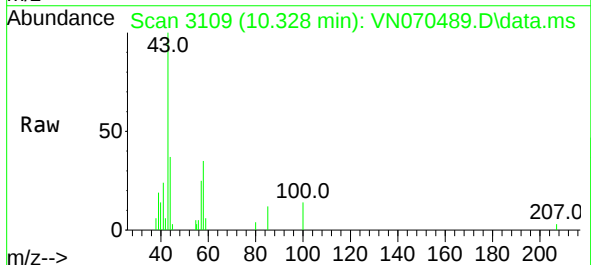
Instrument :
MSVOA_N
ClientSampleId :

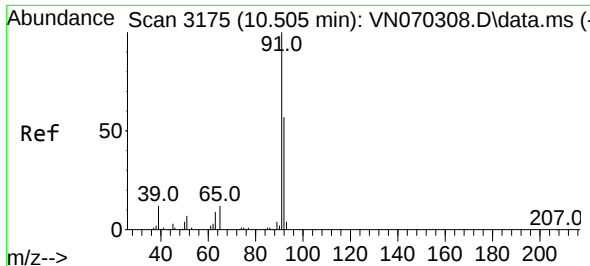
Tgt Ion: 98 Resp: 2024045
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Tgt Ion: 43 Resp: 10233
Ion Ratio Lower Upper
43 100
58 33.7 30.4 45.6

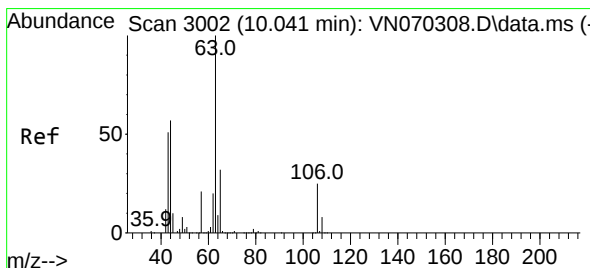
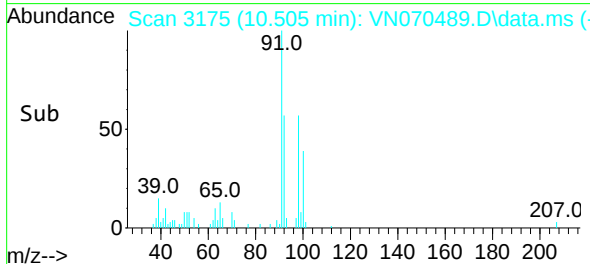
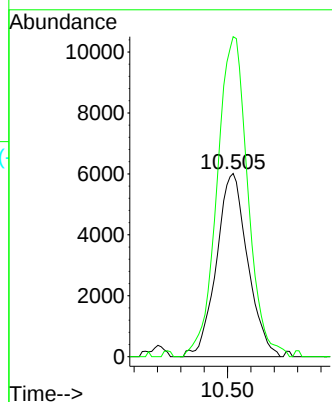
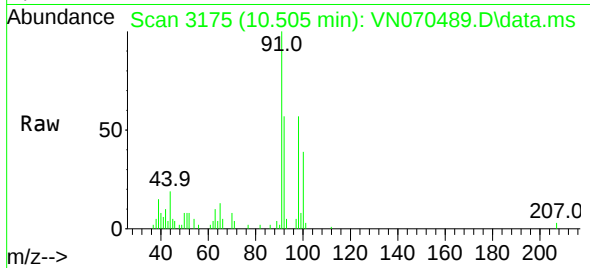




#52
Toluene
Concen: 0.377 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

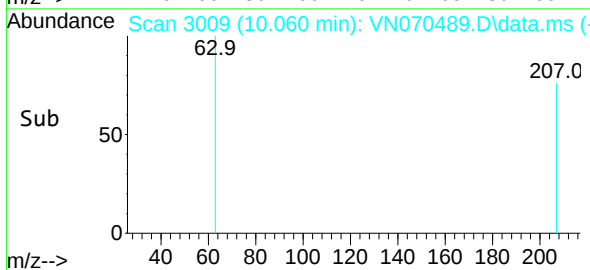
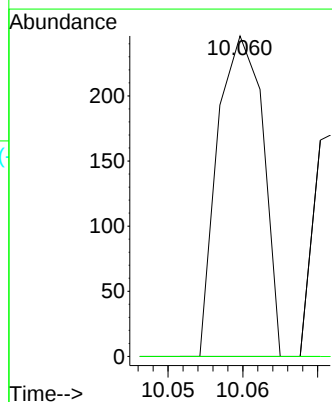
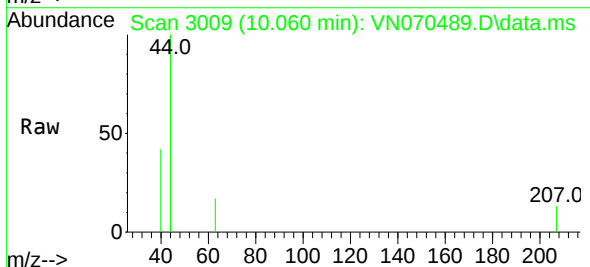
Instrument :
MSVOA_N
ClientSampleId :

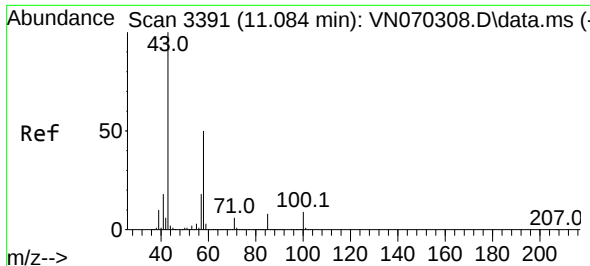
Tgt Ion: 92 Resp: 11131
Ion Ratio Lower Upper
92 100
91 172.6 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.532 ug/l
RT: 10.060 min Scan# 3009
Delta R.T. 0.019 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

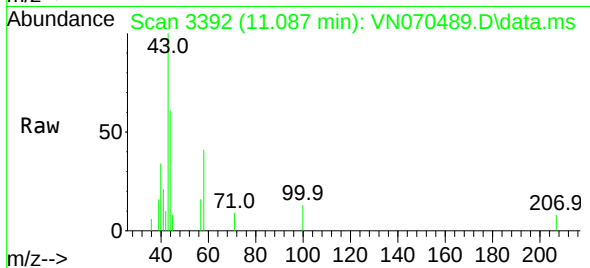
Tgt Ion: 63 Resp: 104
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



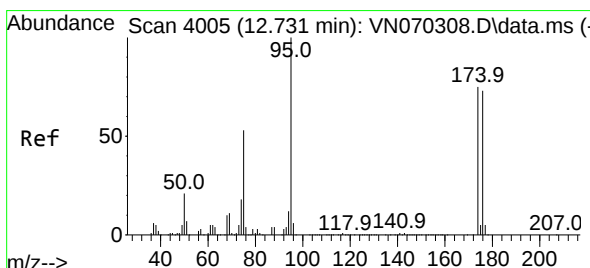
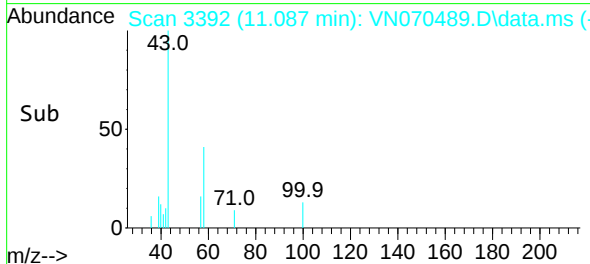
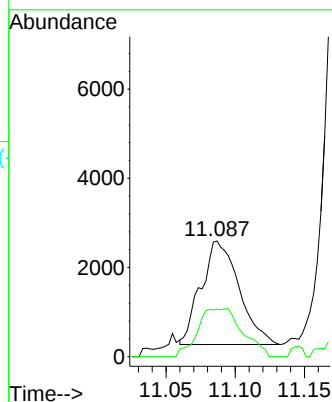


#59
2-Hexanone
Concen: 0.298 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

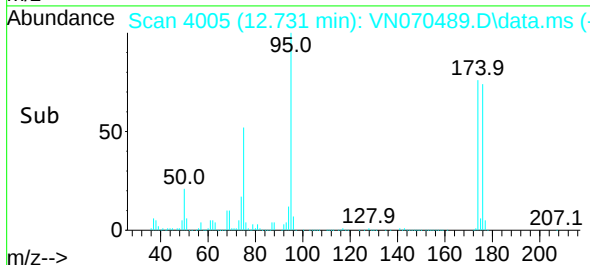
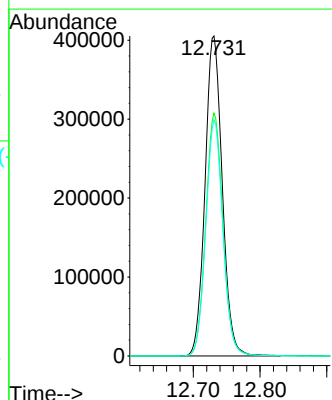
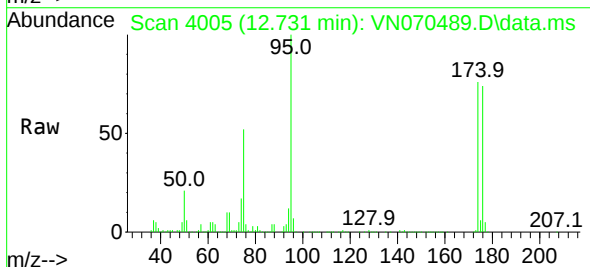


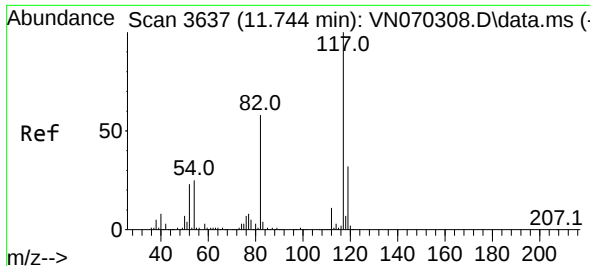
Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
58 54.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 51.207 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

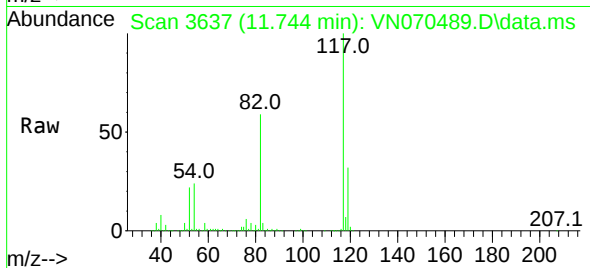
Tgt Ion: 95 Resp: 726777
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.4 0.0 181.4



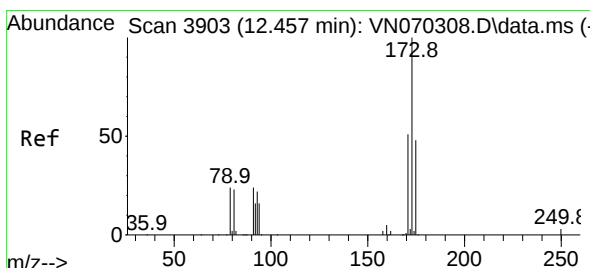
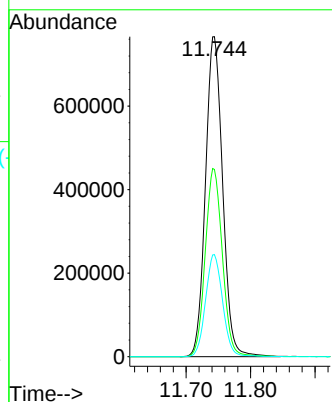
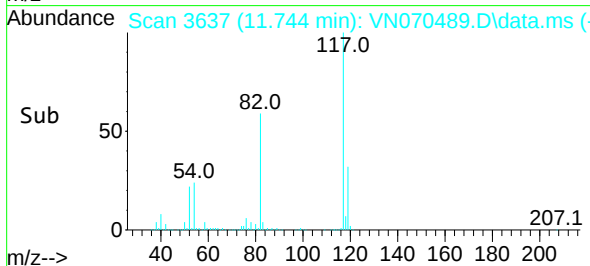


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :

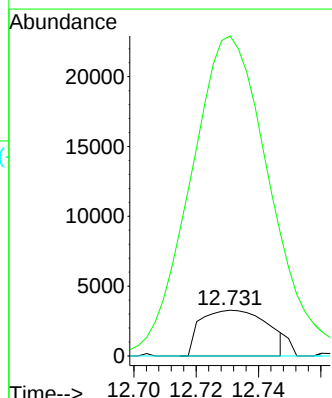
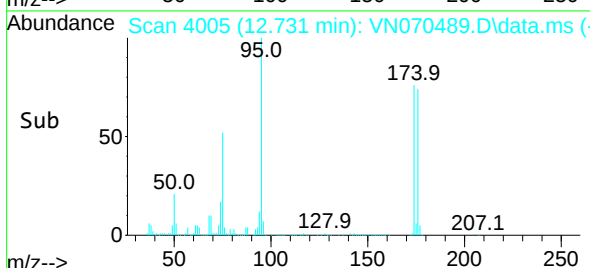
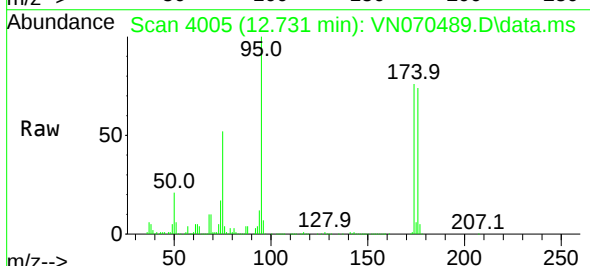


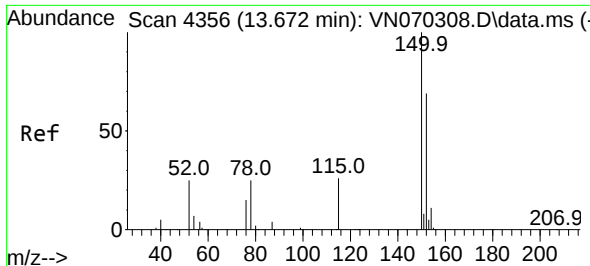
Tgt Ion:117 Resp: 1415868
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.613 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

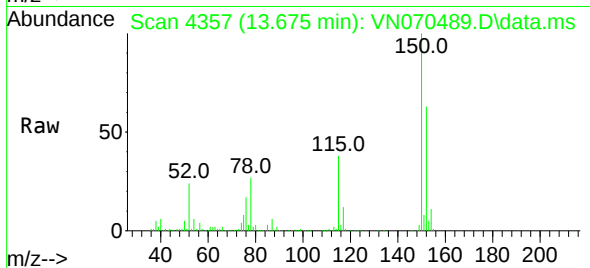
Tgt Ion:173 Resp: 4877
Ion Ratio Lower Upper
173 100
175 762.8 24.2 72.6#
254 0.0 0.0 0.0



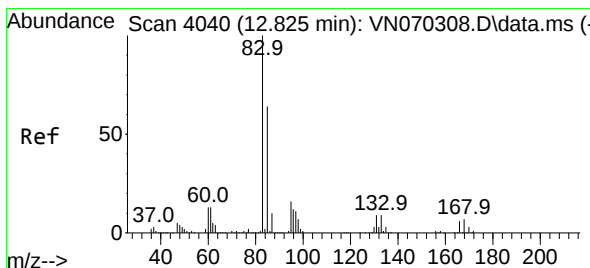
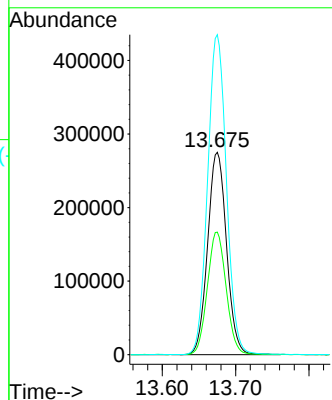
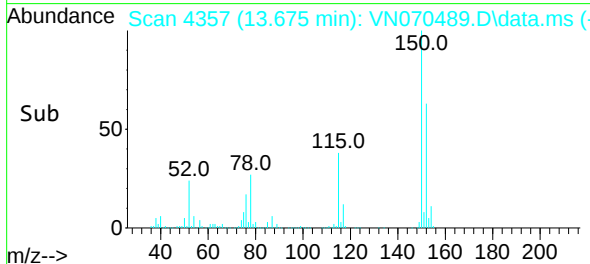


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070489.D
 Acq: 5 Jan 2022 15:05

Instrument :
 MSVOA_N
 ClientSampleId :

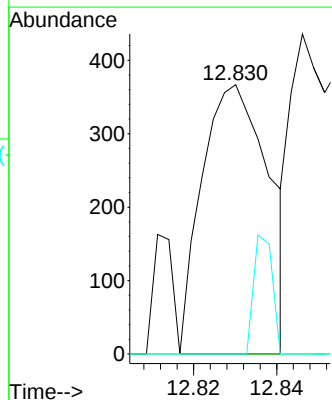
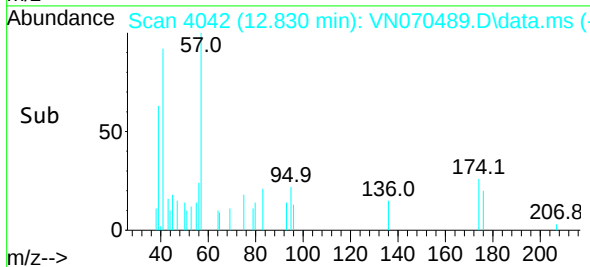
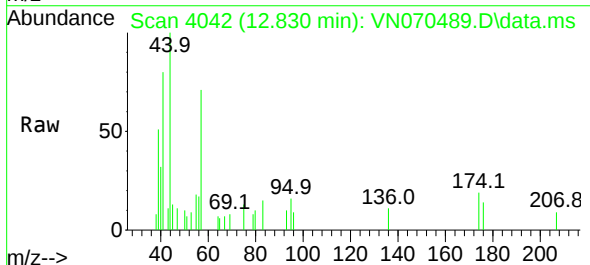


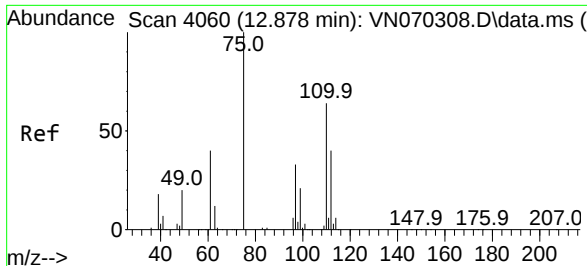
Tgt Ion:152 Resp: 493371
 Ion Ratio Lower Upper
 152 100
 115 60.0 27.5 82.5
 150 157.0 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.471 ug/l
 RT: 12.830 min Scan# 4042
 Delta R.T. 0.005 min
 Lab File: VN070489.D
 Acq: 5 Jan 2022 15:05

Tgt Ion: 83 Resp: 407
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

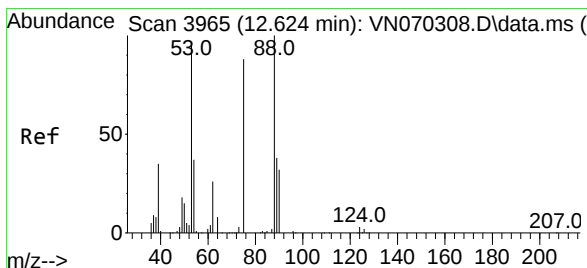
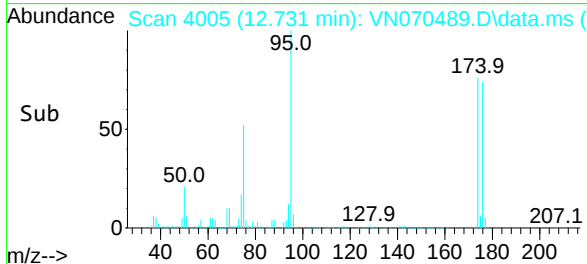
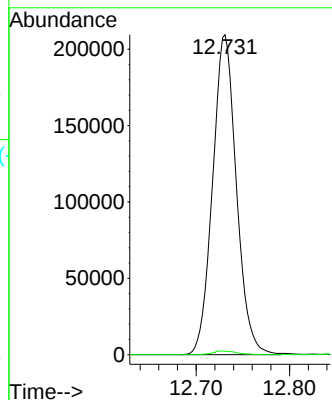
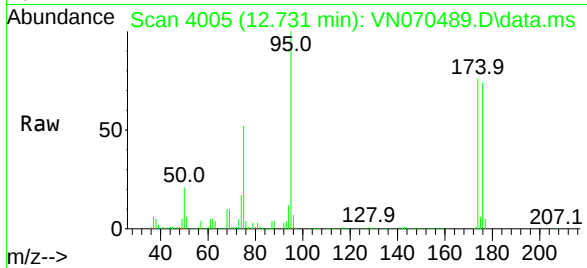




#76
1,2,3-Trichloropropane
Concen: 26.731 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

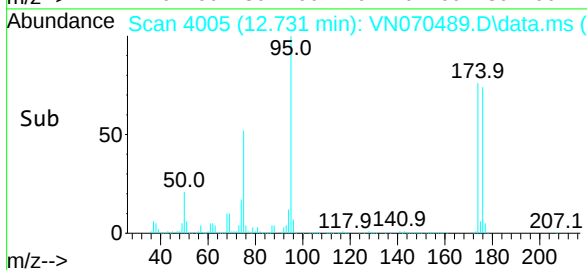
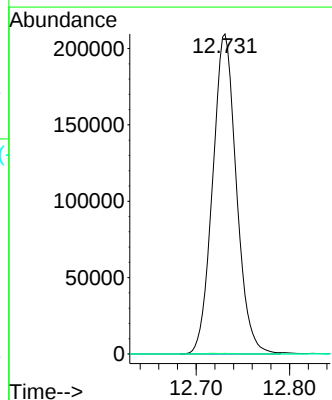
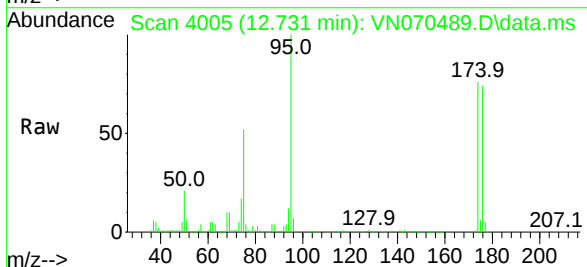
Instrument :
MSVOA_N
ClientSampleId :

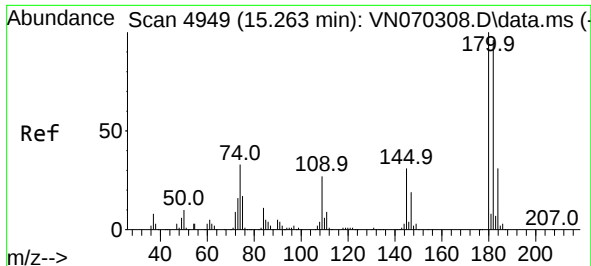
Tgt Ion: 75 Resp: 370782
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.819 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070489.D
Acq: 5 Jan 2022 15:05

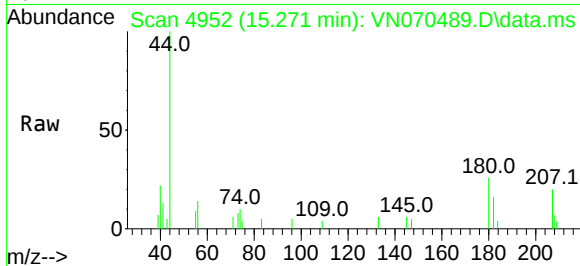
Tgt Ion: 75 Resp: 370782
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



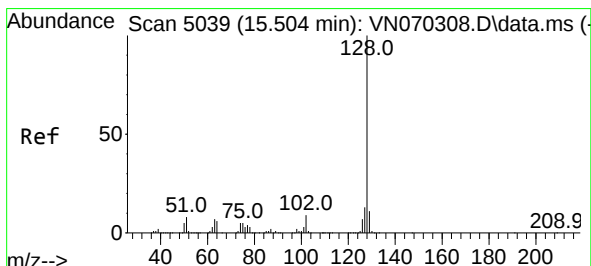
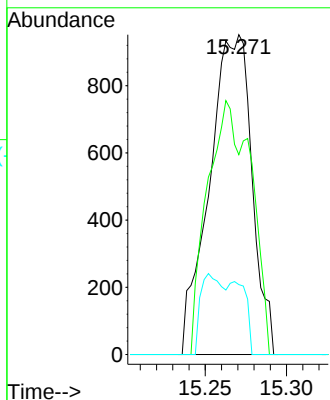
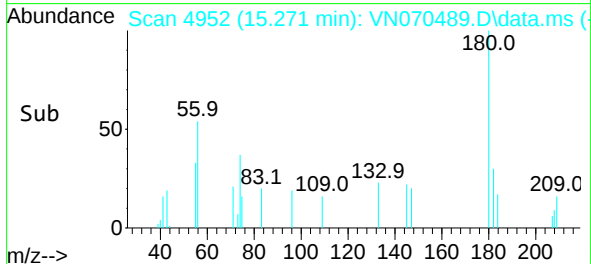


#93
 1,2,4-Trichlorobenzene
 Concen: 0.214 ug/l
 RT: 15.271 min Scan# 4949
 Delta R.T. 0.008 min
 Lab File: VN070489.D
 Acq: 5 Jan 2022 15:05

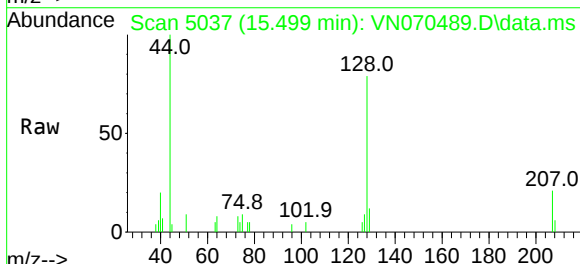
Instrument :
 MSVOA_N
 ClientSampleId :



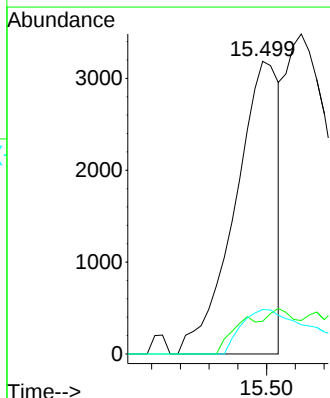
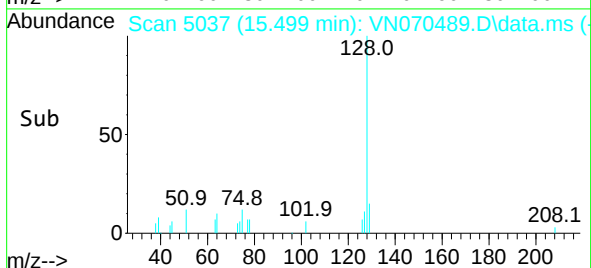
Tgt Ion:180 Resp: 1737
 Ion Ratio Lower Upper
 180 100
 182 56.3 48.3 144.9
 145 13.6 14.5 43.5#

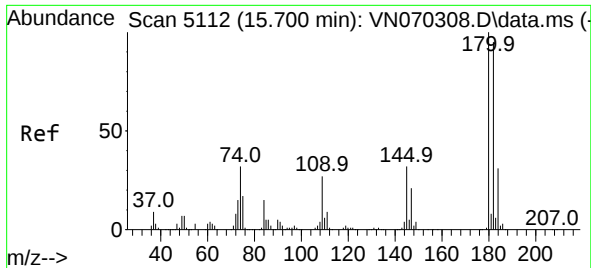


#95
 Naphthalene
 Concen: 1.942 ug/l
 RT: 15.499 min Scan# 5037
 Delta R.T. -0.005 min
 Lab File: VN070489.D
 Acq: 5 Jan 2022 15:05



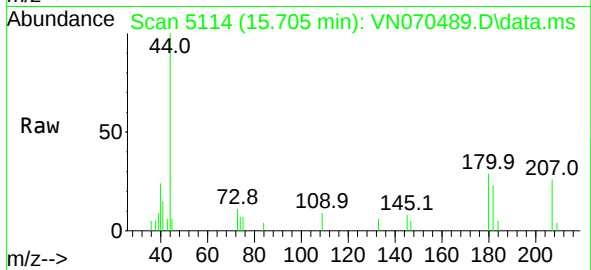
Tgt Ion:128 Resp: 3376
 Ion Ratio Lower Upper
 128 100
 127 7.1 10.5 15.7#
 129 23.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.062 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070489.D
 Acq: 5 Jan 2022 15:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1863

Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.4	142.2
145	28.2	15.0	45.1

