

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070514.D
 Acq On : 6 Jan 2022 13:05
 Operator : JC/MD
 Sample : N1047-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:37:33 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)

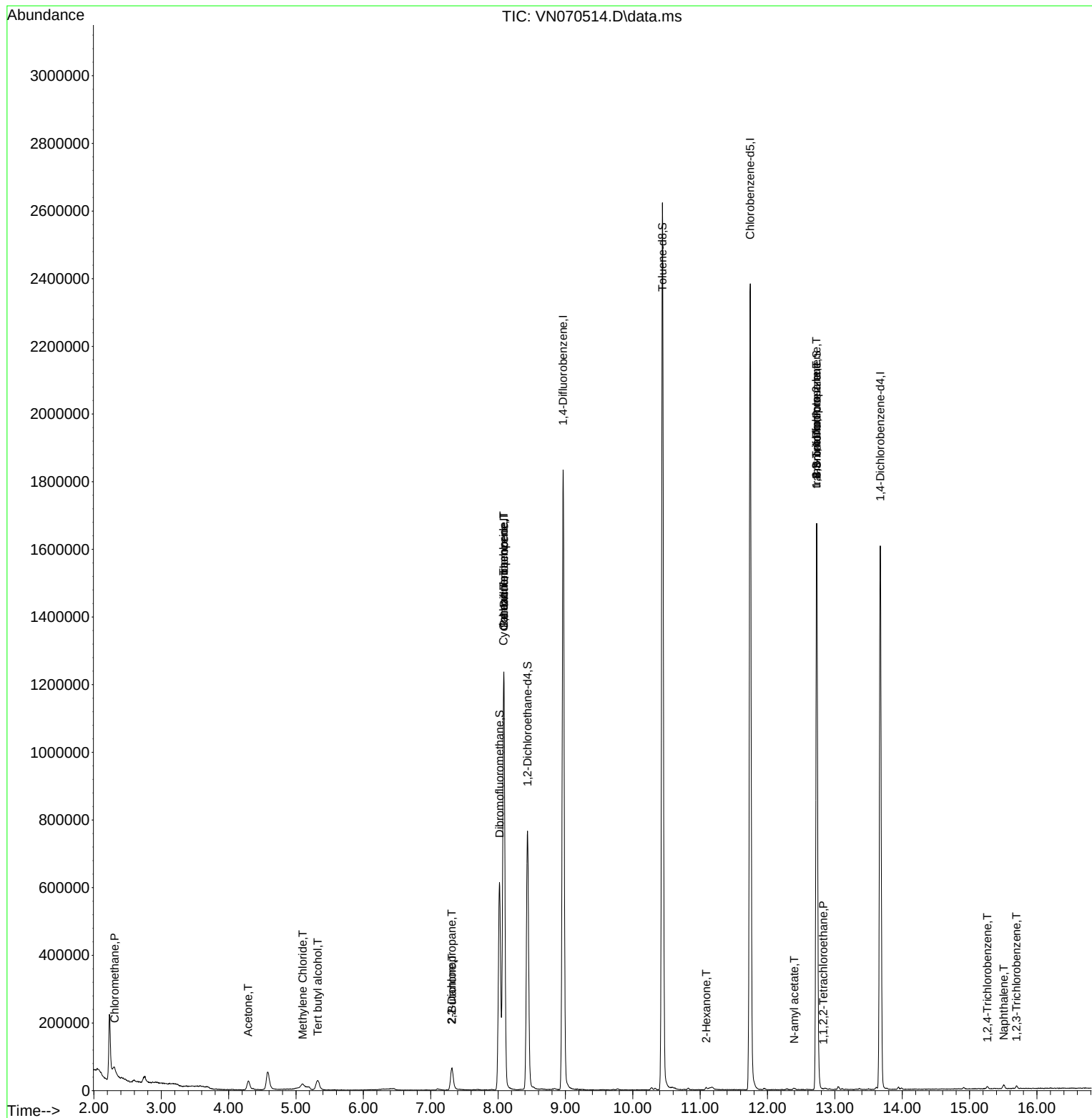
Internal Standards						
1) Pentafluorobenzene	8.086	168	959293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1570658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1390585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	456966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	639513	46.366	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.740%
35) Dibromofluoromethane	8.021	113	457564	48.148	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.300%
50) Toluene-d8	10.440	98	1817276	46.811	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.731	95	624373	44.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3307	0.223	ug/l	98
11) Tert butyl alcohol	5.320	59	31922	13.900	ug/l #	72
16) Acetone	4.291	43	46371	5.179	ug/l	96
20) Methylene Chloride	5.101	84	8399	0.678	ug/l	95
25) 2-Butanone	7.316	43	3450	0.306	ug/l #	75
26) 2,2-Dichloropropane	7.310	77	4058	0.230	ug/l #	52
31) Cyclohexane	8.080	56	20772	0.954	ug/l #	10
36) 1,1-Dichloropropene	8.086	75	77202	4.911	ug/l #	49
38) Carbon Tetrachloride	8.083	117	93363	6.219	ug/l #	15
59) 2-Hexanone	11.089	43	5816	0.395	ug/l	89
71) Bromoform	12.731	173	2269	0.290	ug/l #	1
74) N-amyl acetate	12.398	43	4040	0.226	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.830	83	578	0.484	ug/l #	60
76) 1,2,3-Trichloropropane	12.728	75	321937	25.230	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	321937	86.075	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	3060	0.406	ug/l #	88
95) Naphthalene	15.507	128	12022	2.354	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.697	180	3019	1.238	ug/l	87

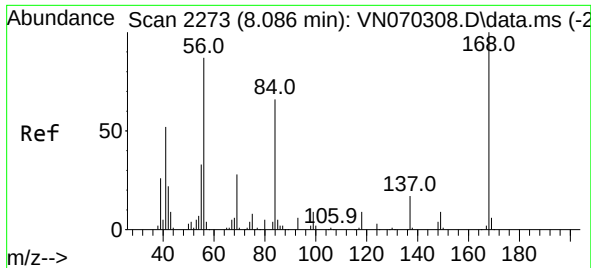
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

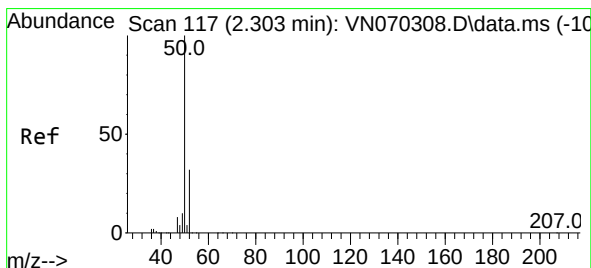
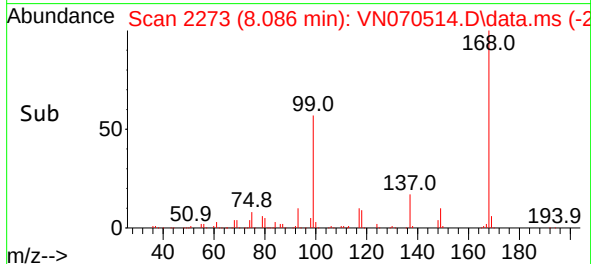
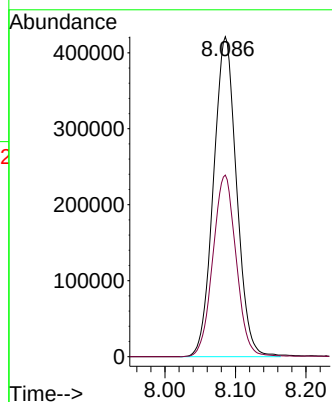
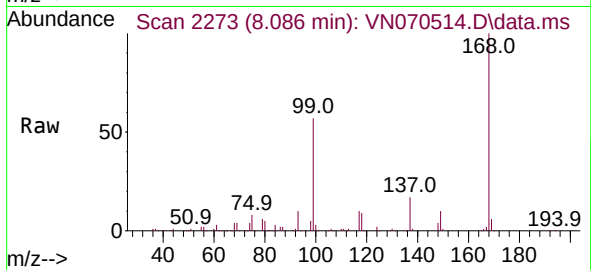




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

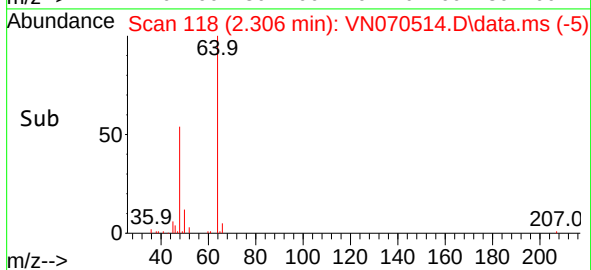
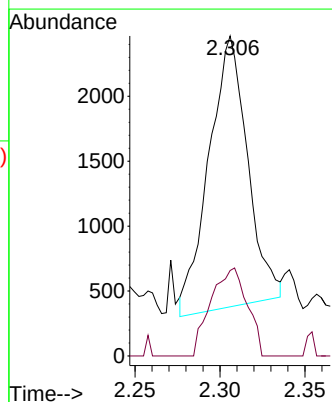
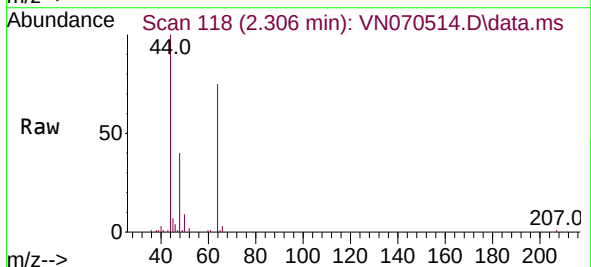
Instrument :
MSVOA_N
ClientSampleId :

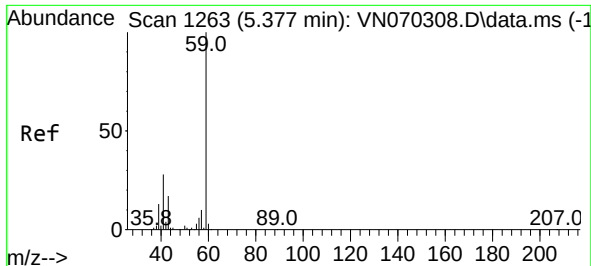
Tgt Ion:168 Resp: 959293
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion: 50 Resp: 3307
Ion Ratio Lower Upper
50 100
52 32.7 25.4 38.0

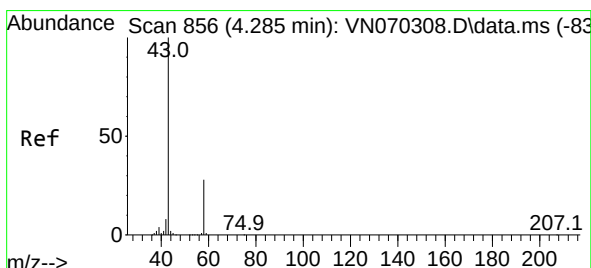
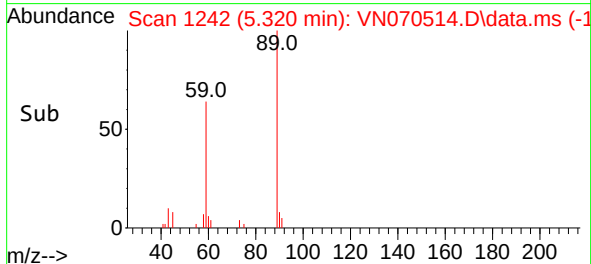
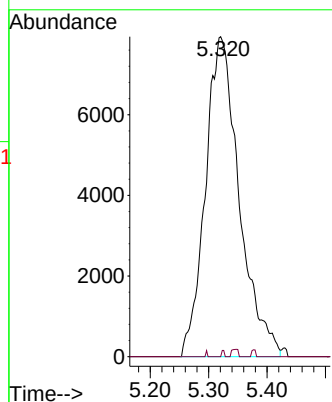
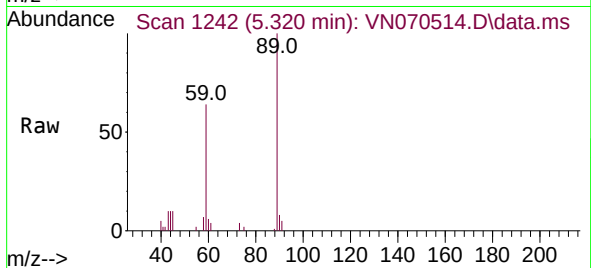




#11
Tert butyl alcohol
Concen: 13.900 ug/l
RT: 5.320 min Scan# 11
Delta R.T. -0.057 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

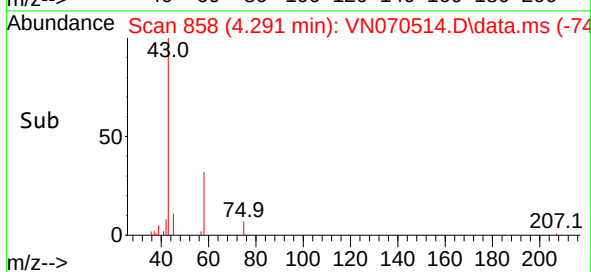
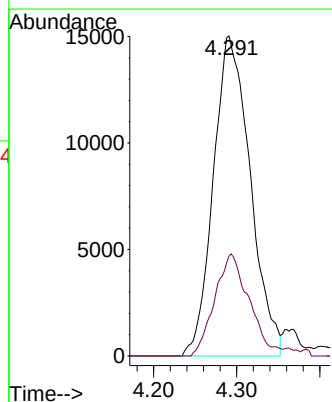
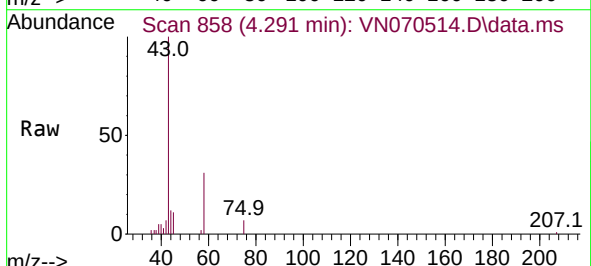
Instrument :
MSVOA_N
ClientSampleId :

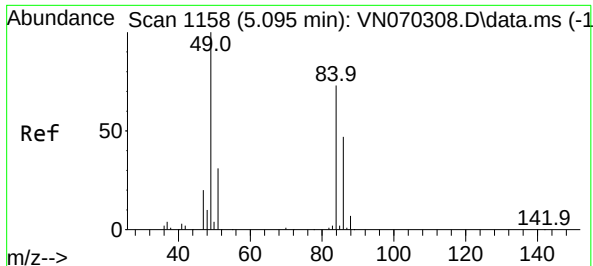
Tgt Ion: 59 Resp: 31922
Ion Ratio Lower Upper
59 100
57 0.2 8.7 13.1#



#16
Acetone
Concen: 5.179 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion: 43 Resp: 46371
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7





#20

Methylene Chloride

Concen: 0.678 ug/l

RT: 5.101 min Scan# 1158

Delta R.T. 0.006 min

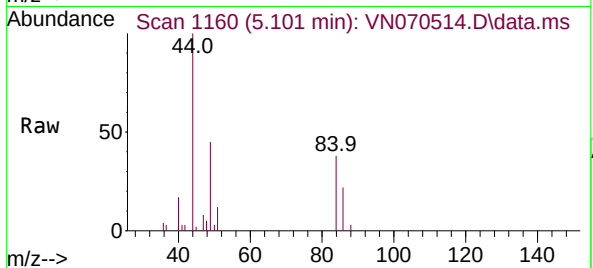
Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 8399

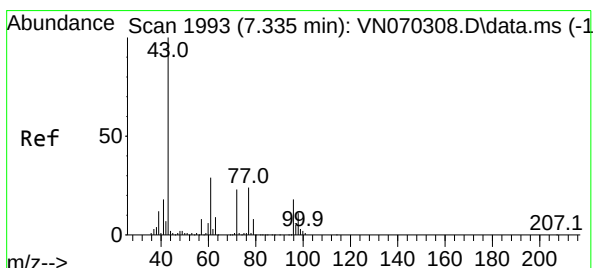
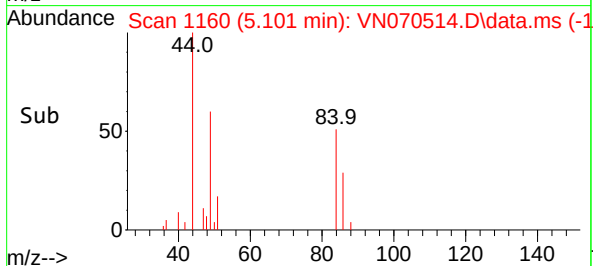
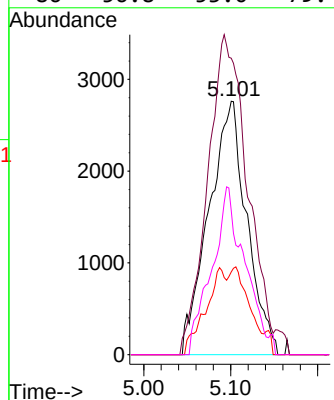
Ion Ratio Lower Upper

84 100

49 116.9 93.5 140.3

51 32.7 29.4 44.2

86 56.8 53.0 79.4



#25

2-Butanone

Concen: 0.306 ug/l

RT: 7.316 min Scan# 1986

Delta R.T. -0.019 min

Lab File: VN070514.D

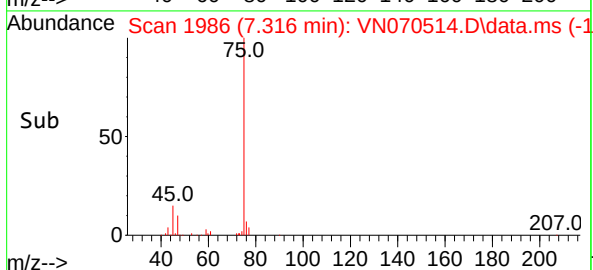
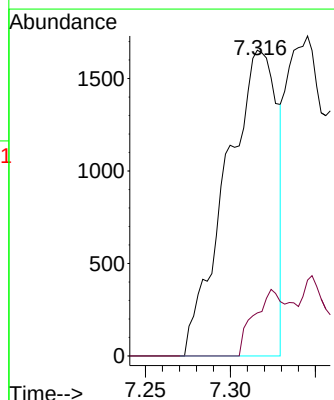
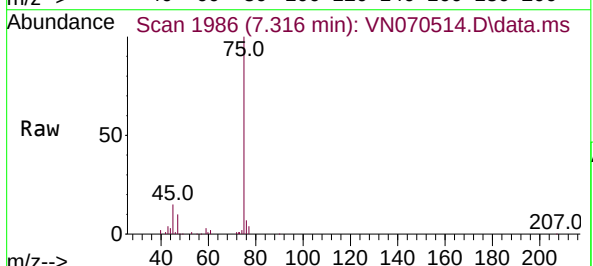
Acq: 6 Jan 2022 13:05

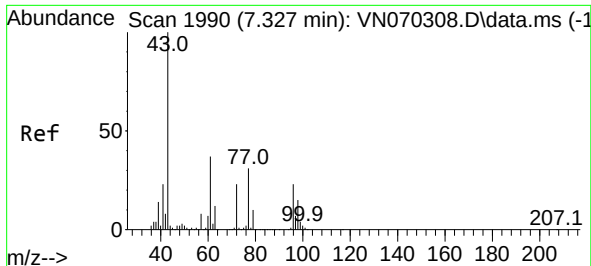
Tgt Ion: 43 Resp: 3450

Ion Ratio Lower Upper

43 100

72 14.1 21.7 32.5#





#26

2,2-Dichloropropane

Concen: 0.230 ug/l

RT: 7.310 min Scan# 1990

Delta R.T. -0.017 min

Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

Instrument :

MSVOA_N

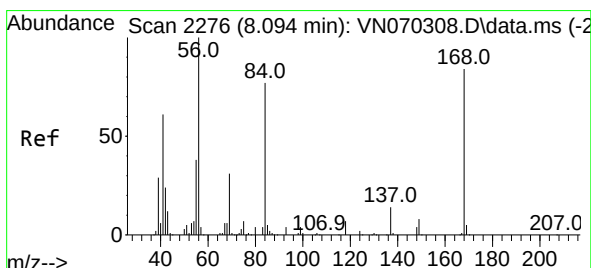
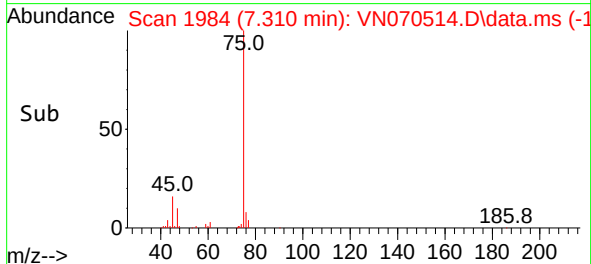
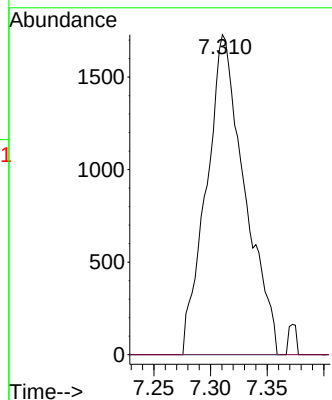
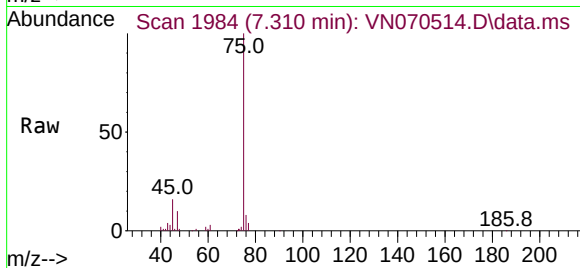
ClientSampleId :

Tgt Ion: 77 Resp: 4058

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.954 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.014 min

Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

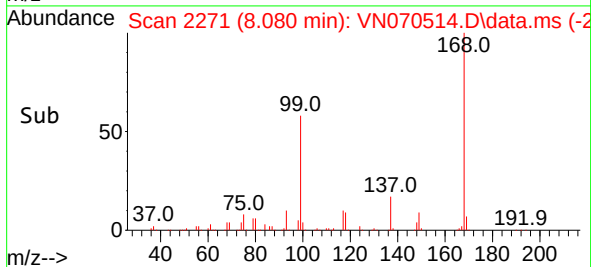
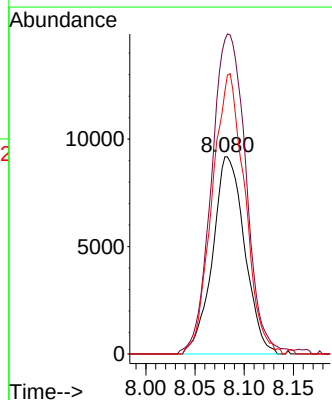
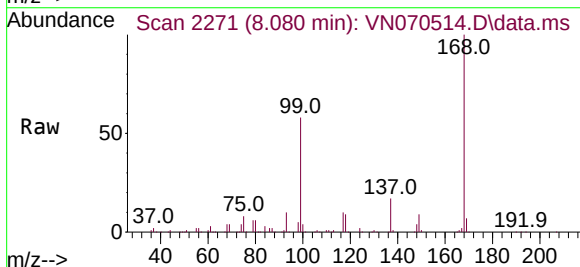
Tgt Ion: 56 Resp: 20772

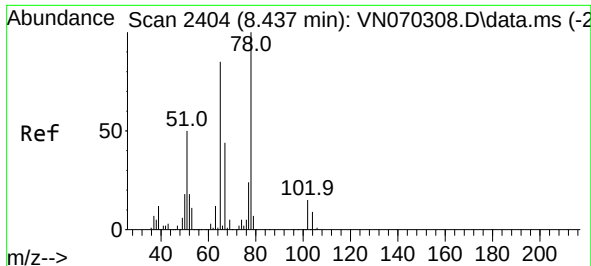
Ion Ratio Lower Upper

56 100

69 157.6 27.1 40.7#

84 133.1 73.4 110.0#



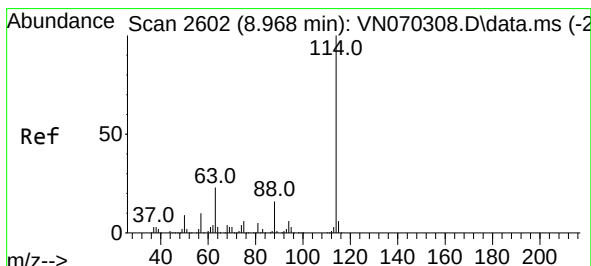
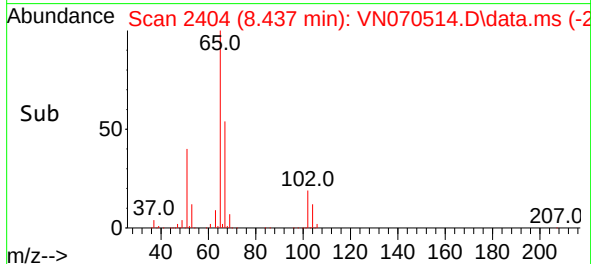
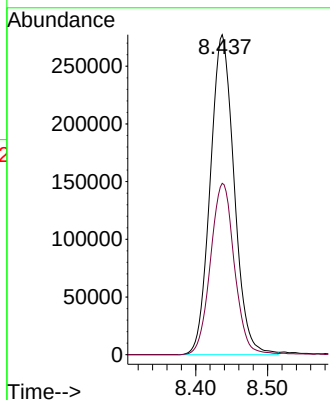
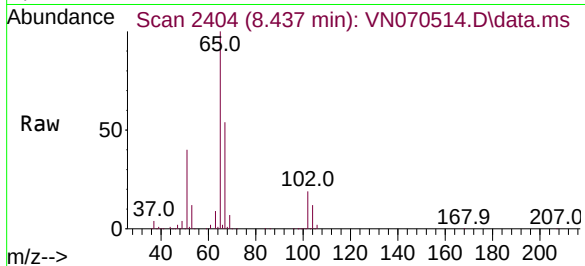


#33
 1,2-Dichloroethane-d4
 Concen: 46.366 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.000 min
 Lab File: VN070514.D
 Acq: 6 Jan 2022 13:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 639513

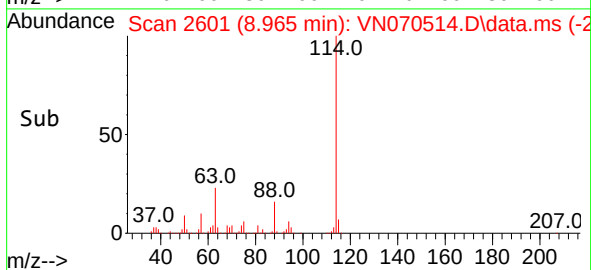
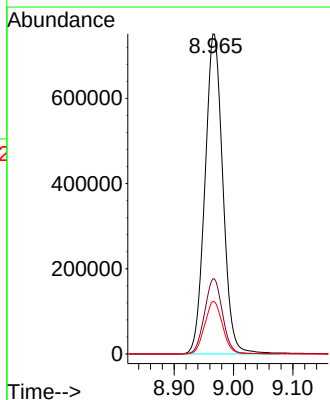
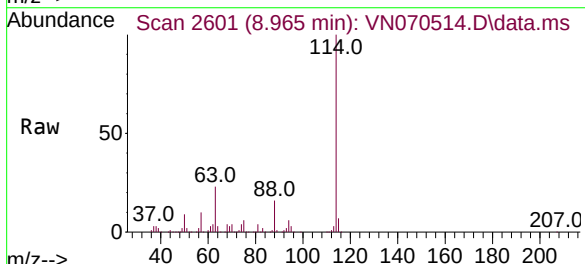
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	103.0

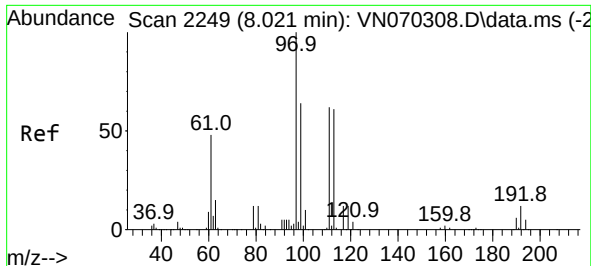


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN070514.D
 Acq: 6 Jan 2022 13:05

Tgt Ion: 114 Resp: 1570658

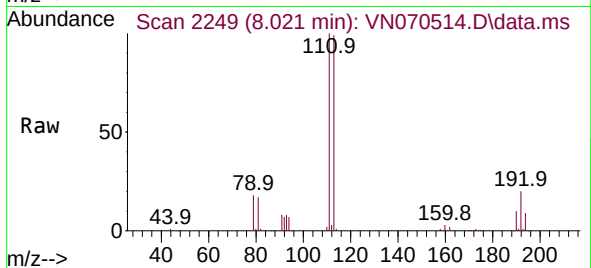
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	37.8
88	16.5	0.0	27.4



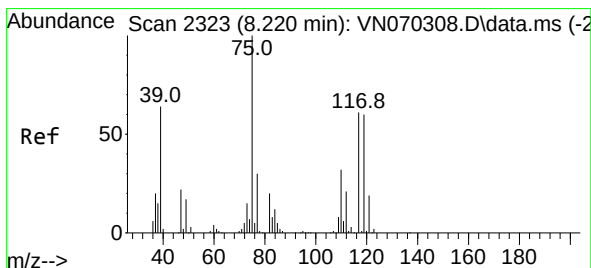
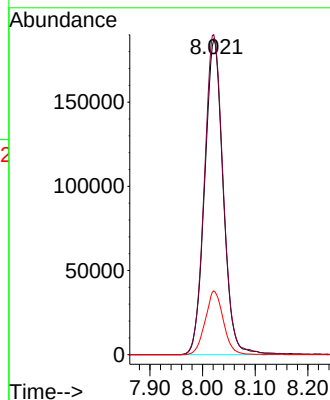
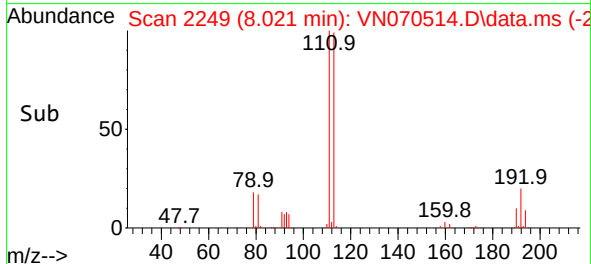


#35
Dibromofluoromethane
Concen: 48.148 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Instrument :
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ClientSampleId :

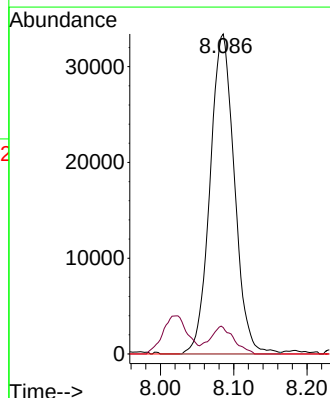
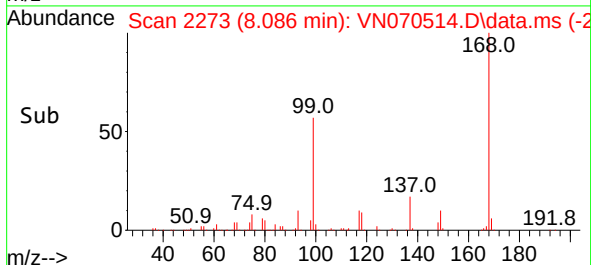
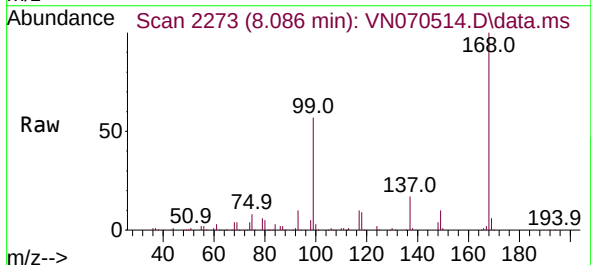


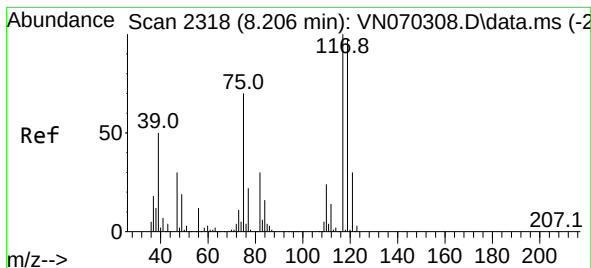
Tgt Ion:113 Resp: 457564
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.911 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion: 75 Resp: 77202
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.219 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.123 min

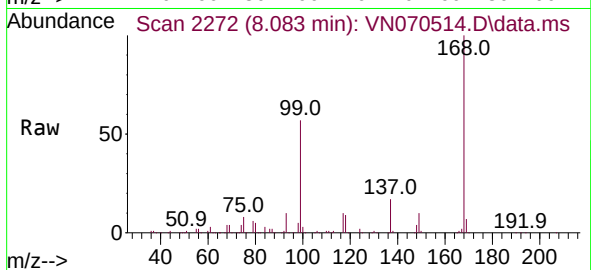
Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

Instrument :

MSVOA_N

ClientSampleId :



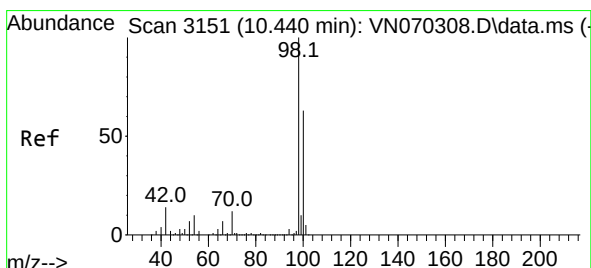
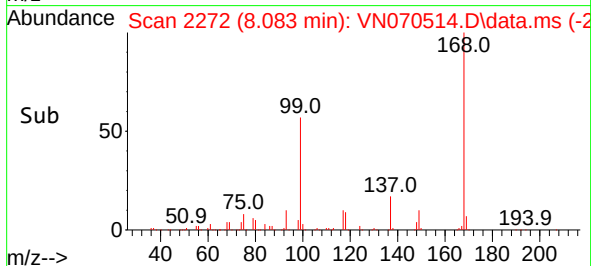
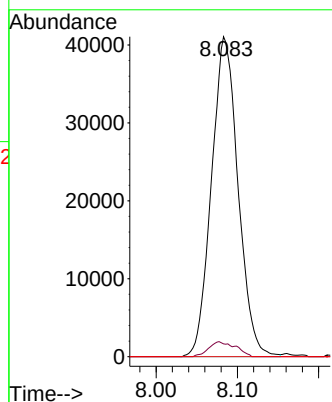
Tgt Ion:117 Resp: 93363

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.811 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070514.D

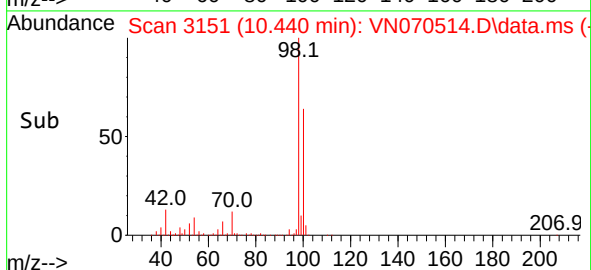
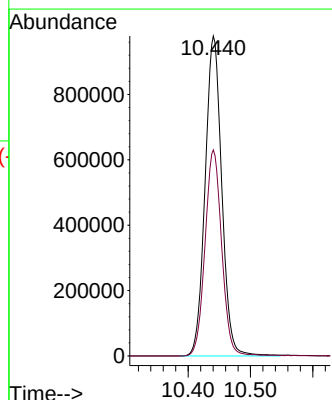
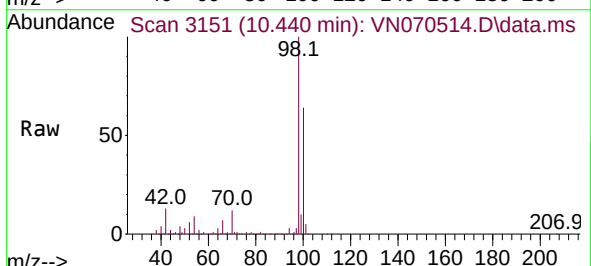
Acq: 6 Jan 2022 13:05

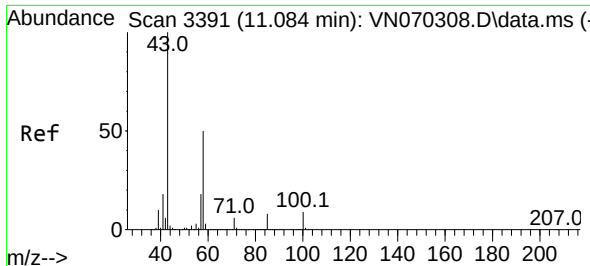
Tgt Ion: 98 Resp: 1817276

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6

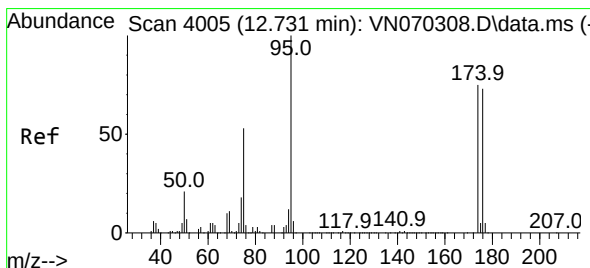
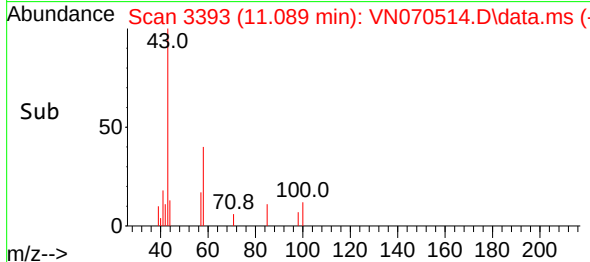
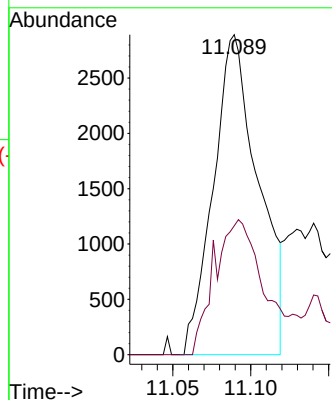
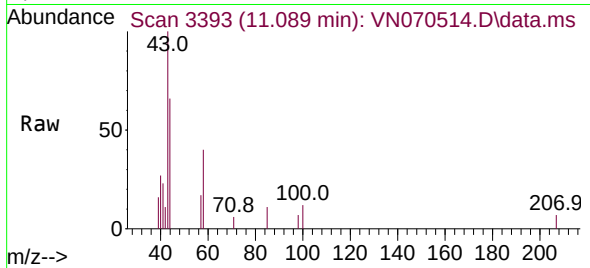




#59
2-Hexanone
Concen: 0.395 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

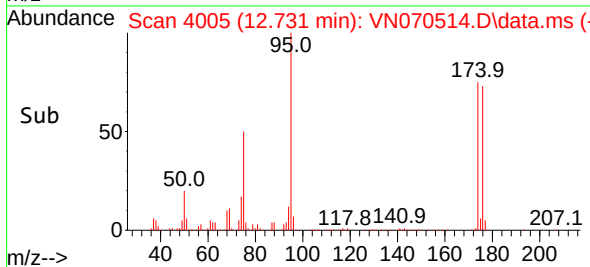
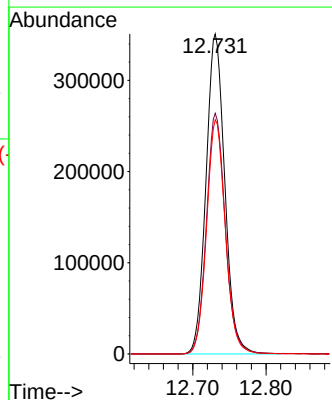
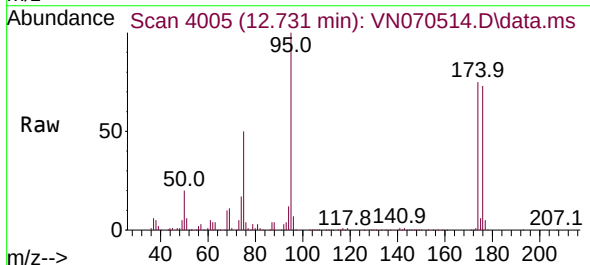
Instrument :
MSVOA_N
ClientSampleId :

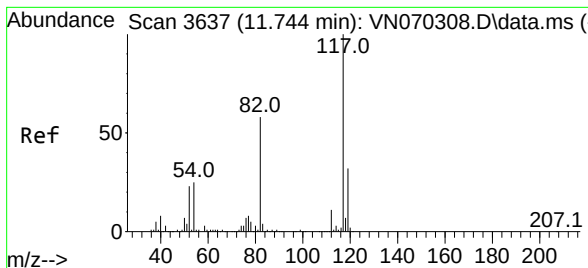
Tgt Ion: 43 Resp: 5816
Ion Ratio Lower Upper
43 100
58 45.9 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 44.529 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion: 95 Resp: 624373
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.2 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

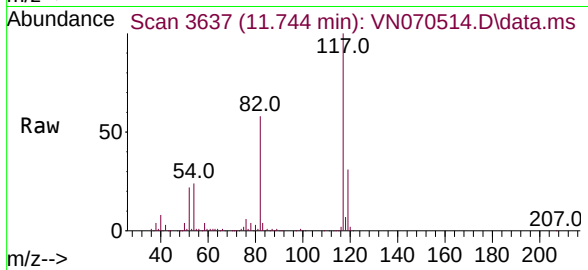
Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

Instrument :

MSVOA_N

ClientSampleId :



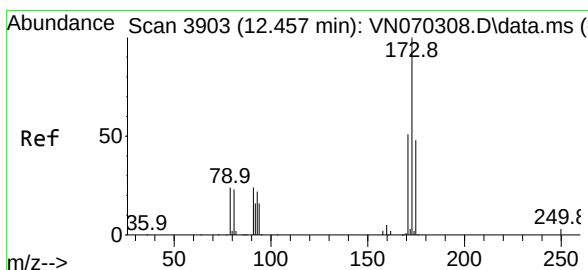
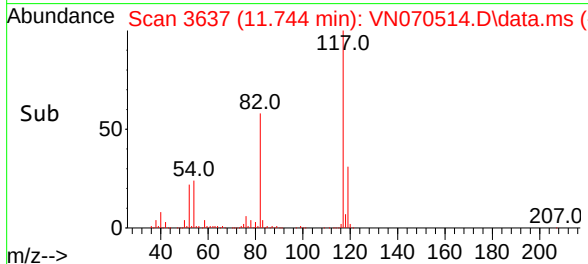
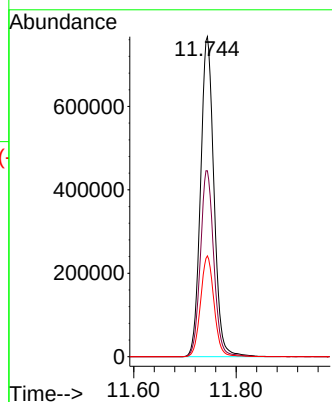
Tgt Ion:117 Resp: 1390585

Ion Ratio Lower Upper

117 100

82 58.1 42.4 63.6

119 31.5 25.4 38.2



#71

Bromoform

Concen: 0.290 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.274 min

Lab File: VN070514.D

Acq: 6 Jan 2022 13:05

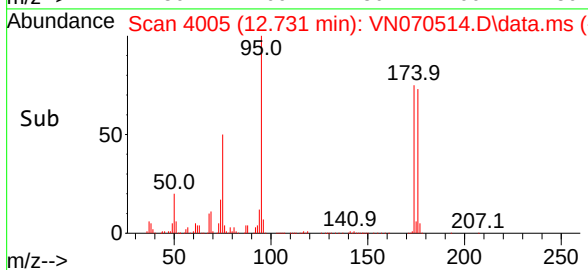
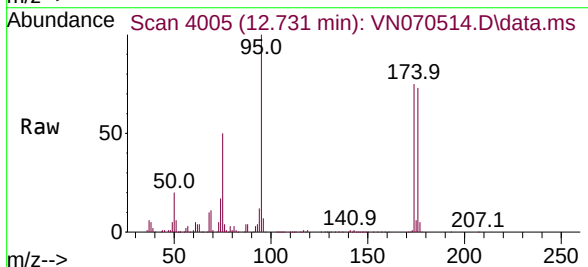
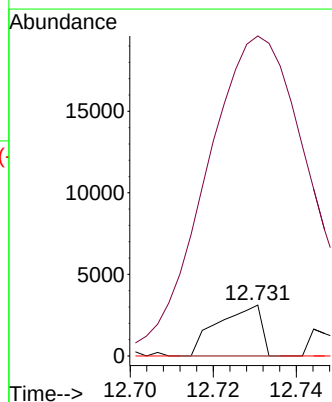
Tgt Ion:173 Resp: 2269

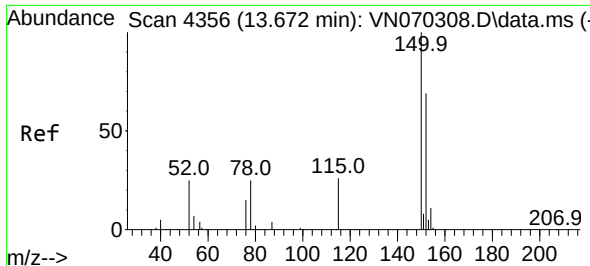
Ion Ratio Lower Upper

173 100

175 1409.6 24.2 72.6#

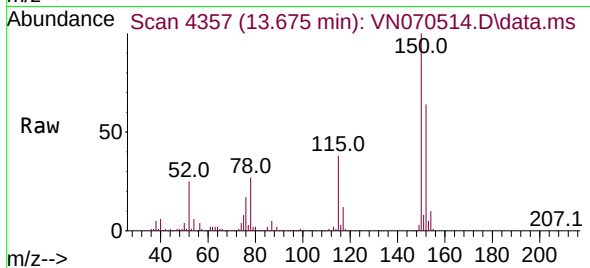
254 0.0 0.0 0.0



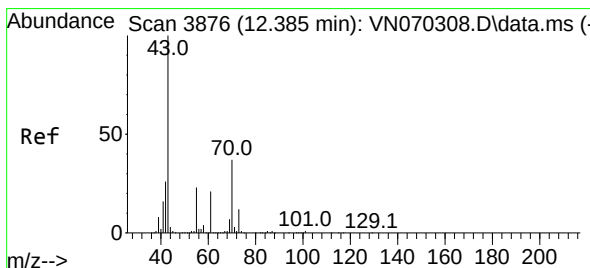
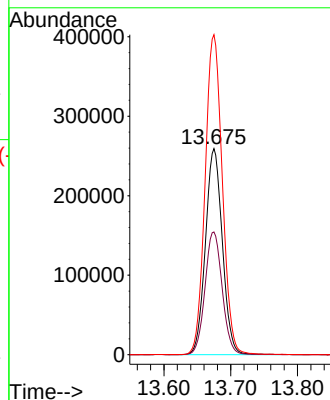
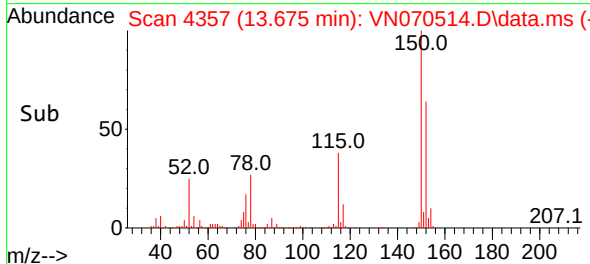


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

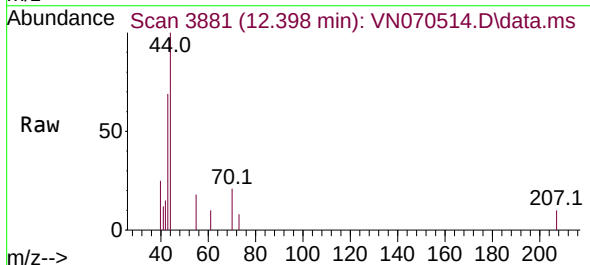
Instrument :
MSVOA_N
ClientSampleId :



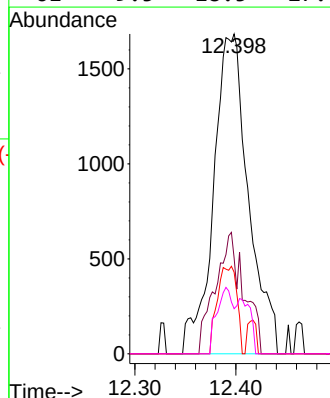
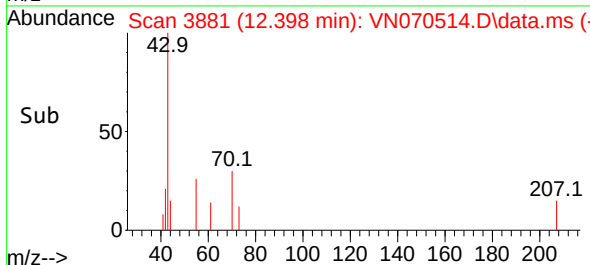
Tgt Ion:152 Resp: 456966
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.3 0.0 344.4

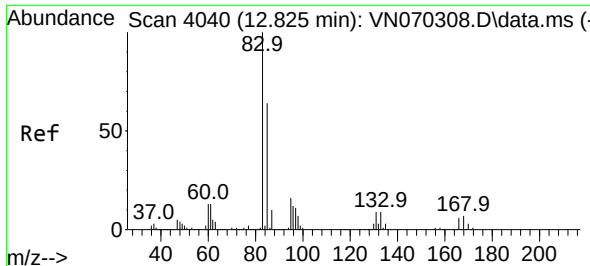


#74
N-ethyl acetate
Concen: 0.226 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.013 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05



Tgt Ion: 43 Resp: 4040
Ion Ratio Lower Upper
43 100
70 31.3 33.4 50.0#
55 15.2 19.3 28.9#
61 9.5 18.5 27.7#

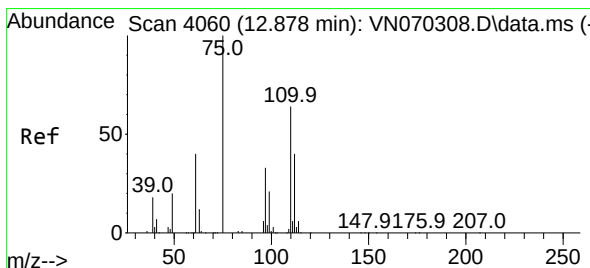
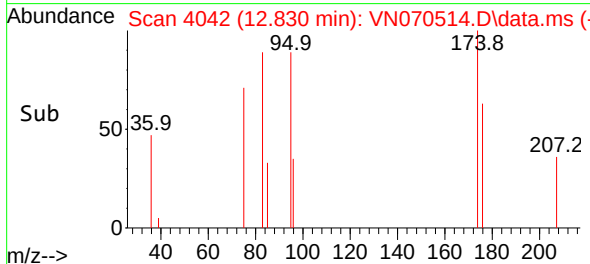
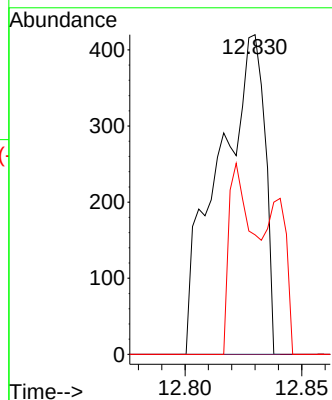
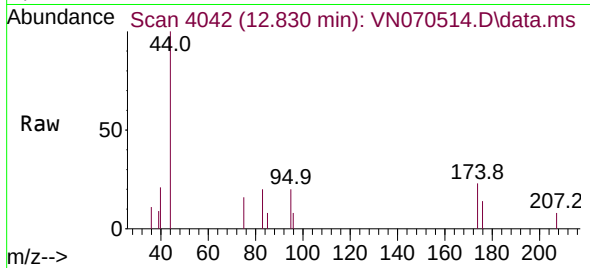




#75
1,1,2,2-Tetrachloroethane
Concen: 0.484 ug/l
RT: 12.830 min Scan# 4040
Delta R.T. 0.005 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

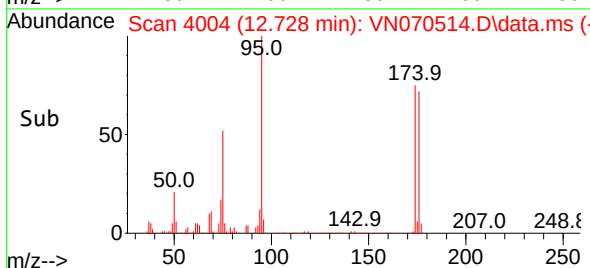
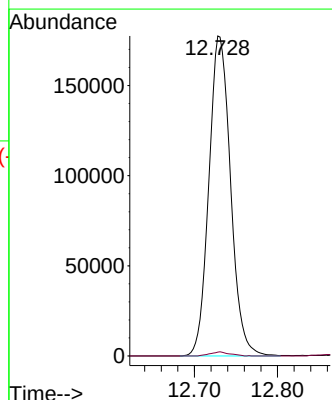
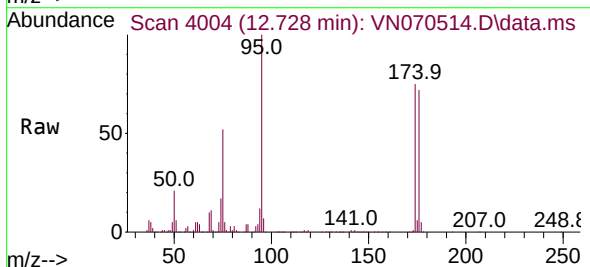
Instrument :
MSVOA_N
ClientSampleId :

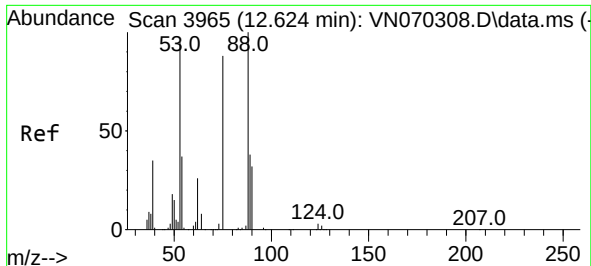
Tgt Ion: 83 Resp: 578
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 31.7 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.230 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion: 75 Resp: 321937
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

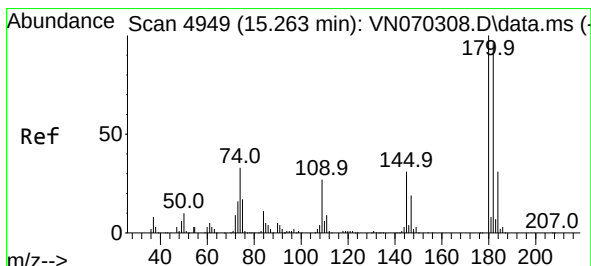
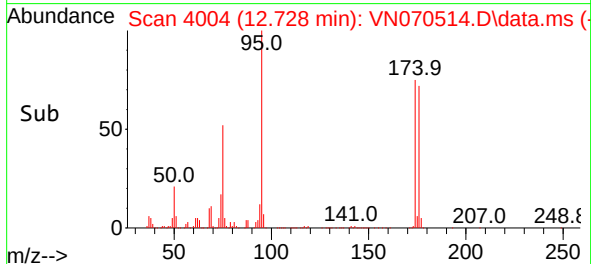
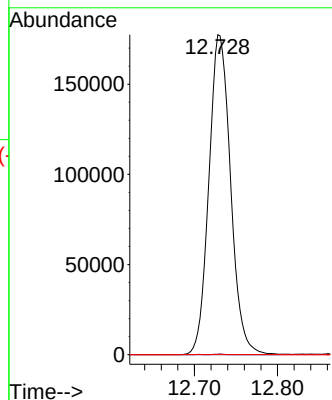
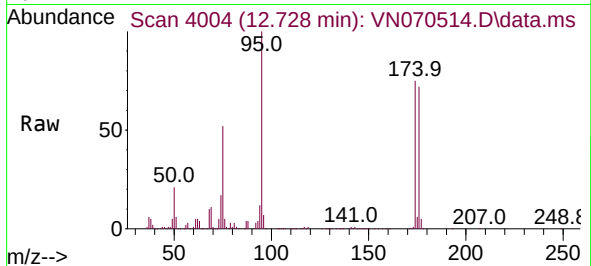




#81
trans-1,4-Dichloro-2-butene
Concen: 86.075 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

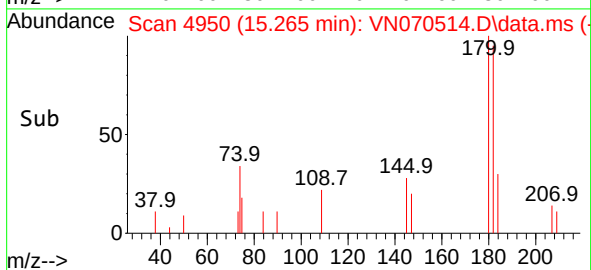
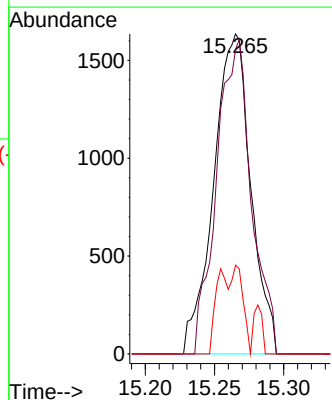
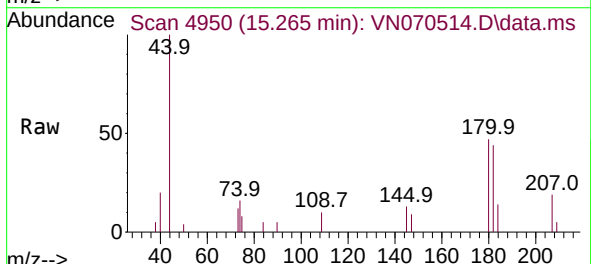
Instrument :
MSVOA_N
ClientSampleId :

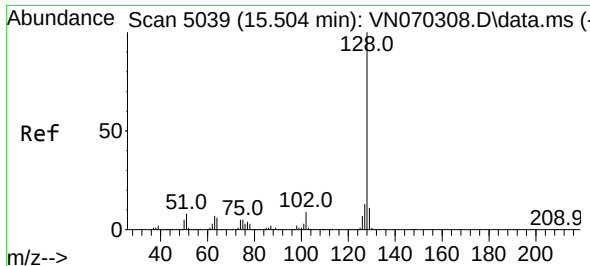
Tgt Ion: 75 Resp: 321937
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.406 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion:180 Resp: 3060
Ion Ratio Lower Upper
180 100
182 92.0 48.3 144.9
145 8.9 14.5 43.5#

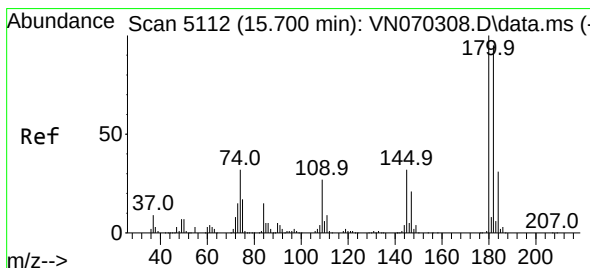
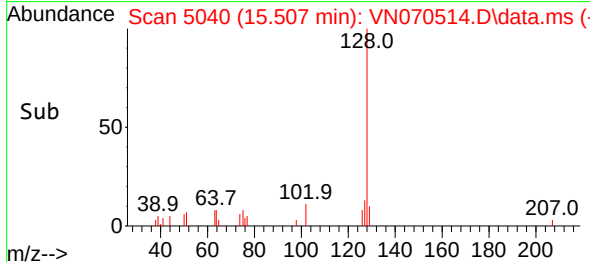
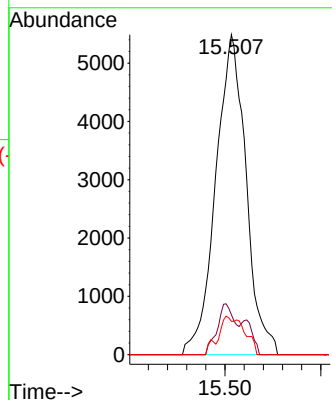
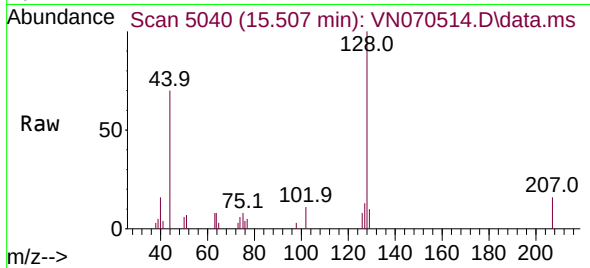




#95
Naphthalene
Concen: 2.354 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 12022
Ion Ratio Lower Upper
128 100
127 9.4 10.5 15.7#
129 9.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.238 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070514.D
Acq: 6 Jan 2022 13:05

Tgt Ion:180 Resp: 3019
Ion Ratio Lower Upper
180 100
182 106.3 47.4 142.2
145 21.6 15.0 45.1

