

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070500.D
 Acq On : 5 Jan 2022 19:45
 Operator : JC/MD
 Sample : N1012-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:27:13 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

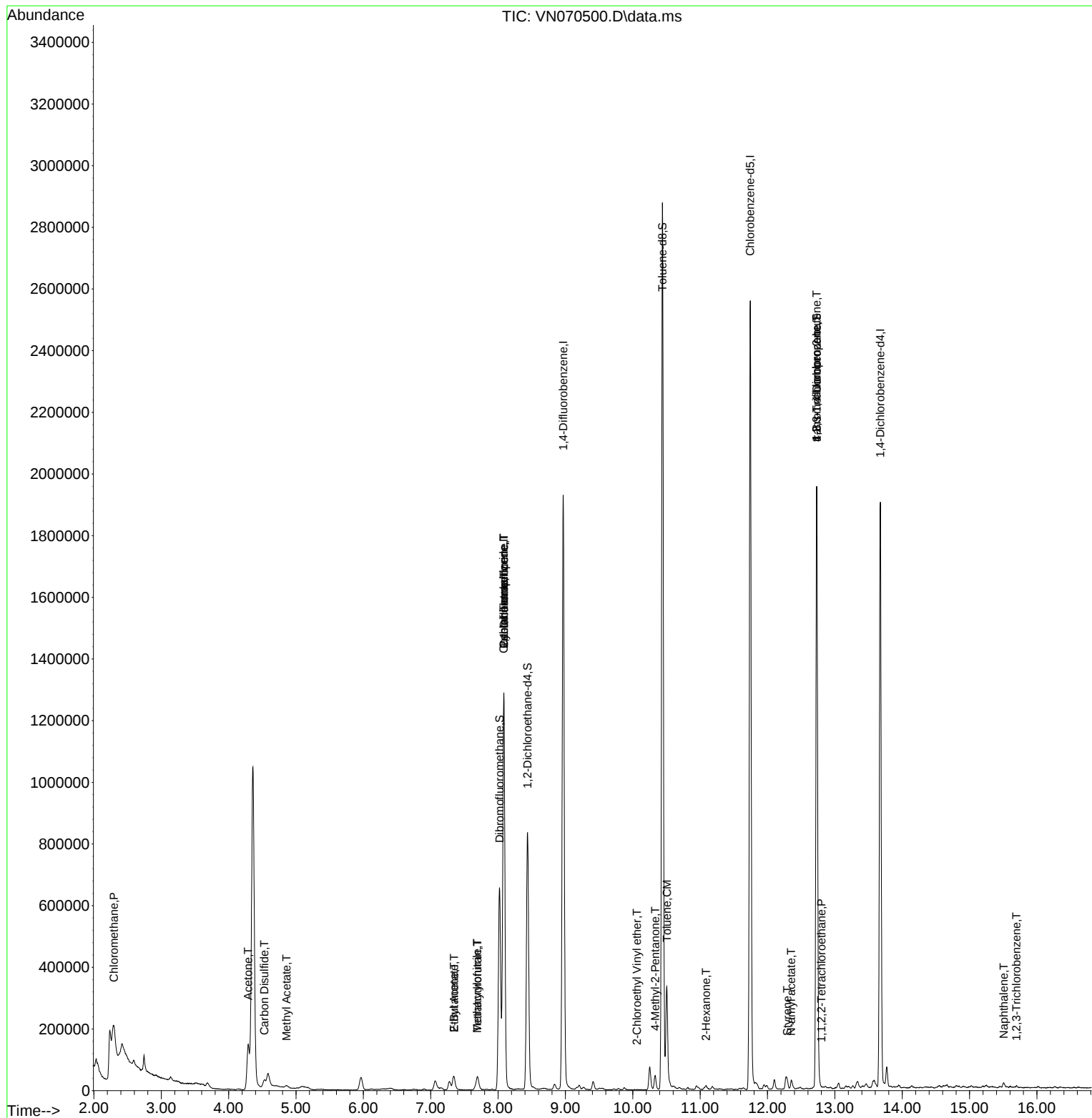
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	994299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1688239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1500702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	522938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	706537	49.422	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.840%
35) Dibromofluoromethane	8.021	113	494632	48.424	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.840%
50) Toluene-d8	10.441	98	2009698	48.162	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.320%
62) 4-Bromofluorobenzene	12.731	95	722250	47.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	5970	0.389	ug/l #	81
16) Acetone	4.291	43	272280	29.339	ug/l	97
17) Carbon Disulfide	4.529	76	63553	2.299	ug/l	95
18) Methyl Acetate	4.857	43	19461	0.725	ug/l #	60
25) 2-Butanone	7.346	43	75743	6.482	ug/l	90
29) Tetrahydrofuran	7.694	42	35516	5.094	ug/l	89
31) Cyclohexane	8.086	56	22234	0.986	ug/l #	9
36) 1,1-Dichloropropene	8.086	75	79014	4.676	ug/l #	49
37) Ethyl Acetate	7.346	43	75743	3.458	ug/l #	68
38) Carbon Tetrachloride	8.083	117	97366	6.034	ug/l #	16
41) Methacrylonitrile	7.689	41	23233	2.121	ug/l #	38
51) 4-Methyl-2-Pentanone	10.333	43	34800	1.604	ug/l	96
52) Toluene	10.505	92	142026	4.529	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.062	63	55	18.523	ug/l #	45
59) 2-Hexanone	11.087	43	10762	0.680	ug/l	83
70) Styrene	12.296	104	10313	0.308	ug/l	91
74) N-amyl acetate	12.353	43	21368	1.046	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.801	83	28	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	371877	25.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	371877	86.884	ug/l #	5
95) Naphthalene	15.507	128	15475	2.423	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	144	0.843	ug/l	77

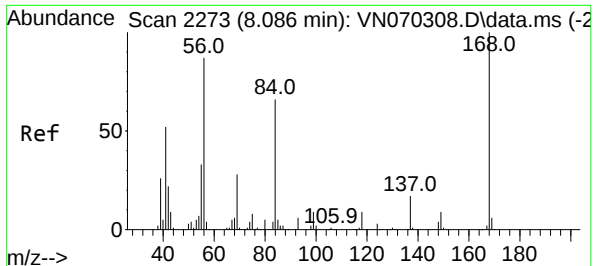
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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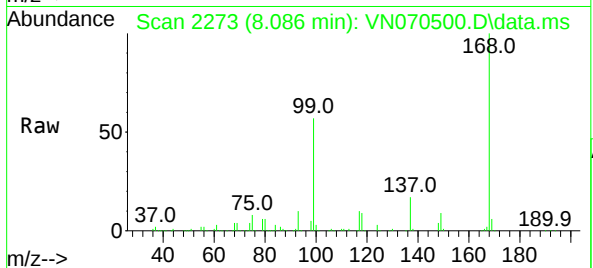
Quant Time: Jan 06 13:27:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
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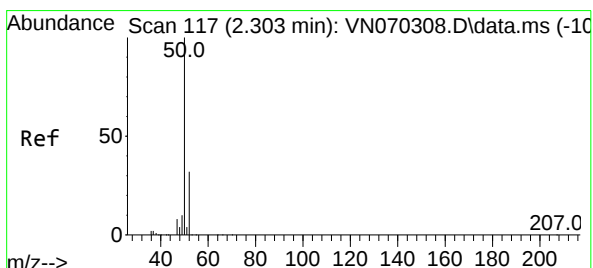
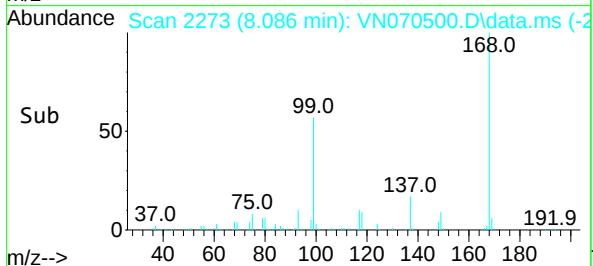
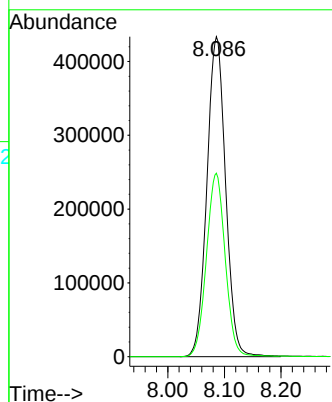


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :

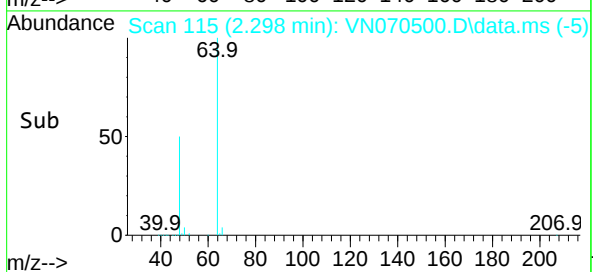
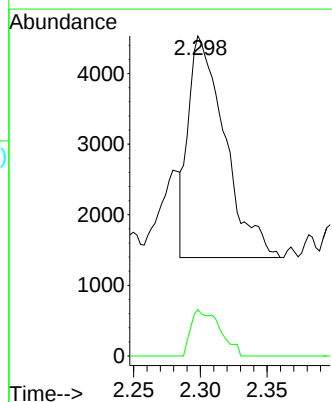
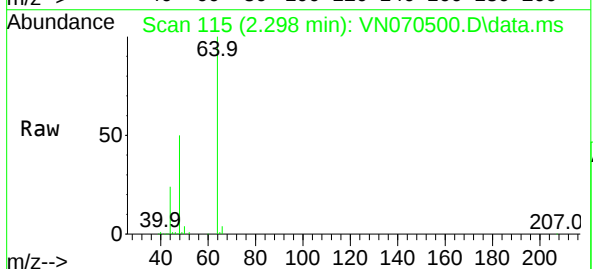


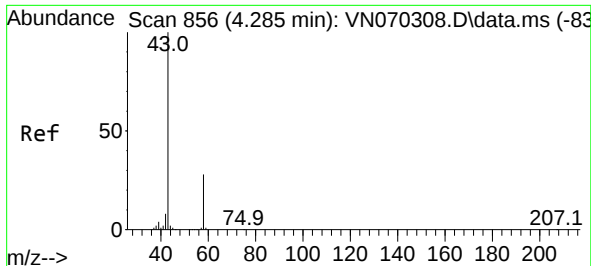
Tgt Ion:168 Resp: 994299
Ion Ratio Lower Upper
168 100
99 57.3 41.3 61.9



#3
Chloromethane
Concen: 0.389 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 50 Resp: 5970
Ion Ratio Lower Upper
50 100
52 20.9 25.4 38.0#

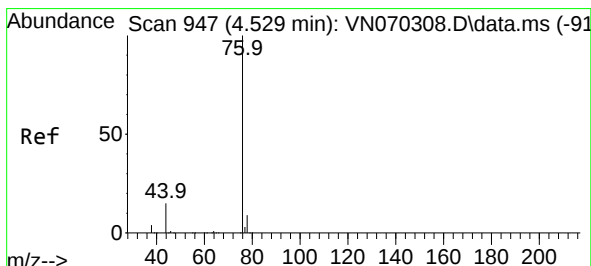
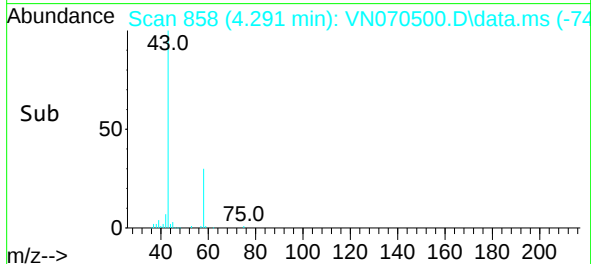
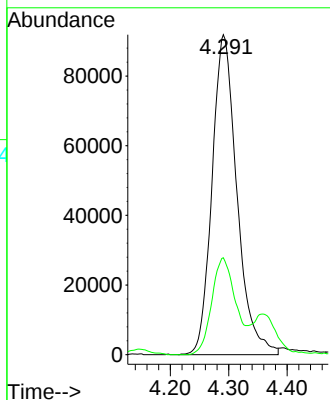
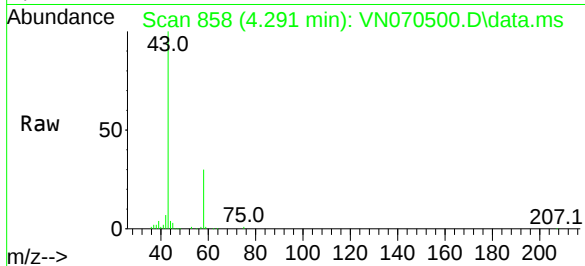




#16
Acetone
Concen: 29.339 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

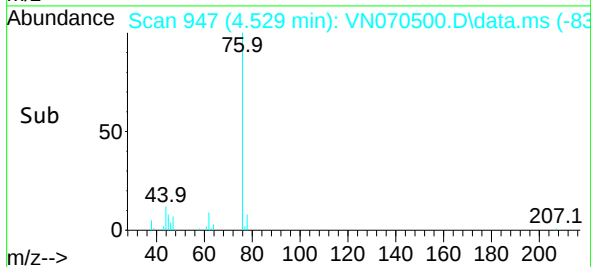
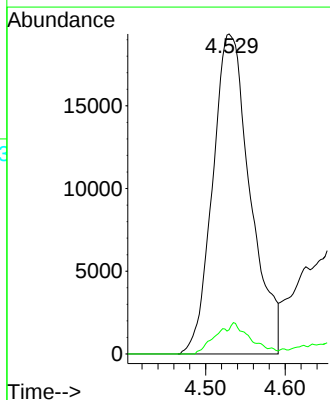
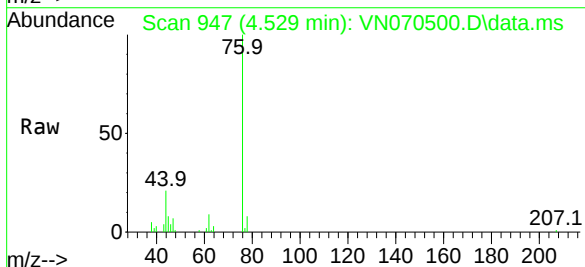
Instrument :
MSVOA_N
ClientSampleId :

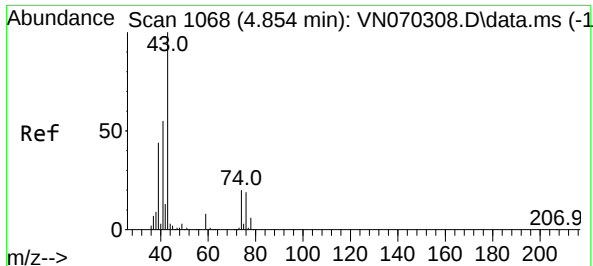
Tgt Ion: 43 Resp: 272280
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7



#17
Carbon Disulfide
Concen: 2.299 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 76 Resp: 63553
Ion Ratio Lower Upper
76 100
78 7.6 7.5 11.3





#18

Methyl Acetate

Concen: 0.725 ug/l

RT: 4.857 min Scan# 1069

Delta R.T. 0.003 min

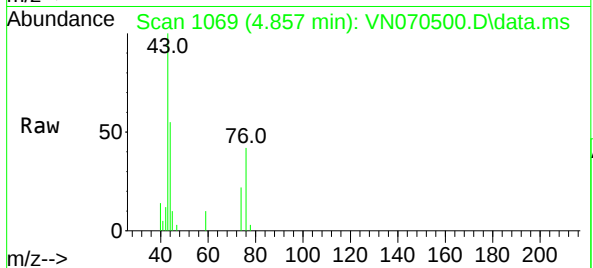
Lab File: VN070500.D

Acq: 5 Jan 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

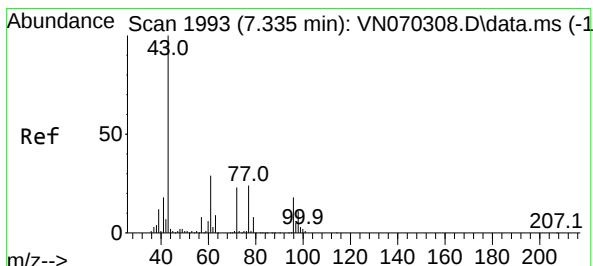
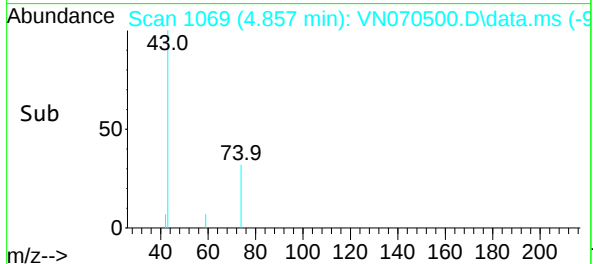
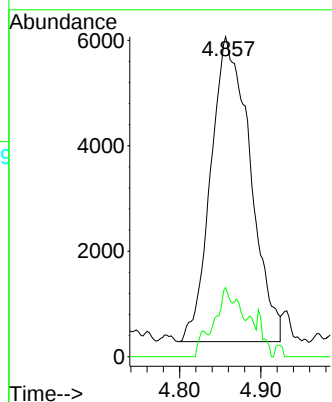


Tgt Ion: 43 Resp: 19461

Ion Ratio Lower Upper

43 100

74 4.7 19.4 29.2#



#25

2-Butanone

Concen: 6.482 ug/l

RT: 7.346 min Scan# 1997

Delta R.T. 0.011 min

Lab File: VN070500.D

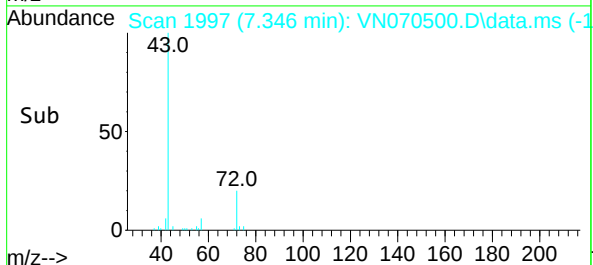
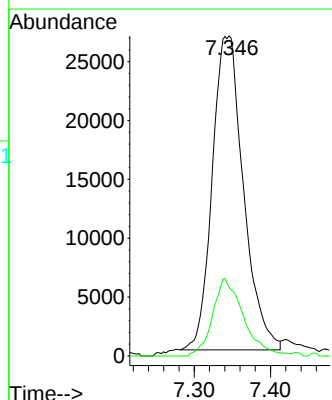
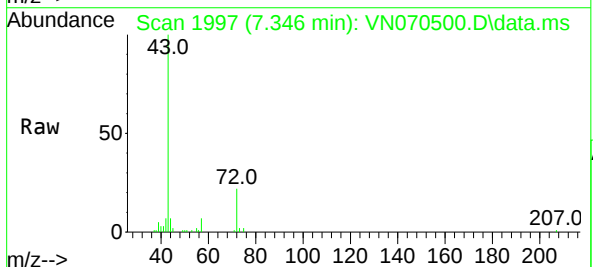
Acq: 5 Jan 2022 19:45

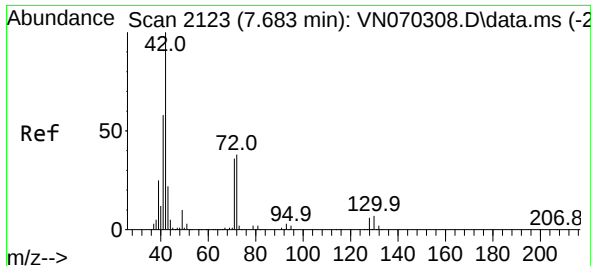
Tgt Ion: 43 Resp: 75743

Ion Ratio Lower Upper

43 100

72 21.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 5.094 ug/l

RT: 7.694 min Scan# 21

Delta R.T. 0.011 min

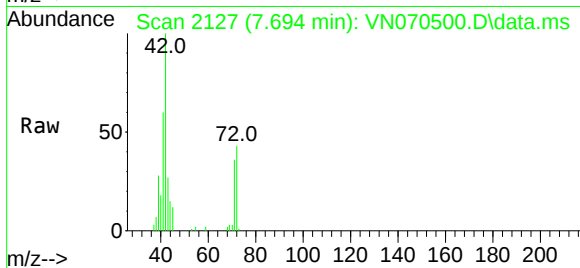
Lab File: VN070500.D

Acq: 5 Jan 2022 19:45

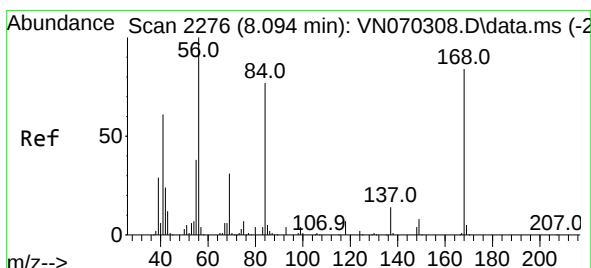
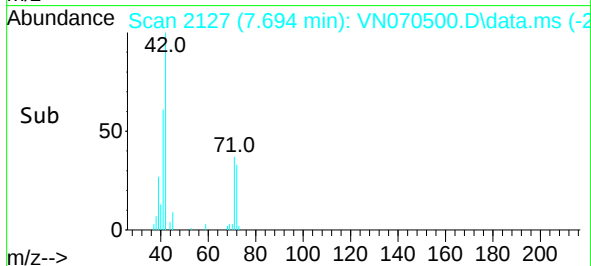
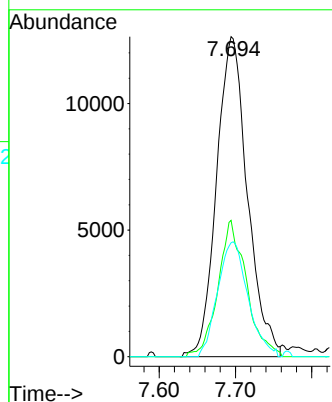
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	35516
Ion Ratio	Lower	Upper	
42	100		
72	39.3	36.3	54.5
71	35.3	34.7	52.1



#31

Cyclohexane

Concen: 0.986 ug/l

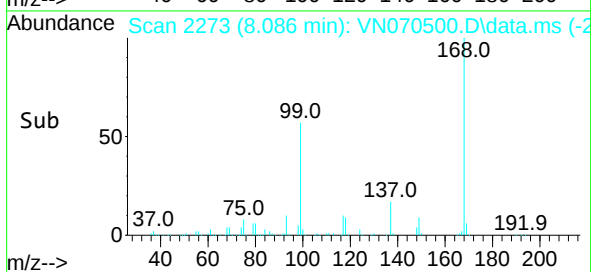
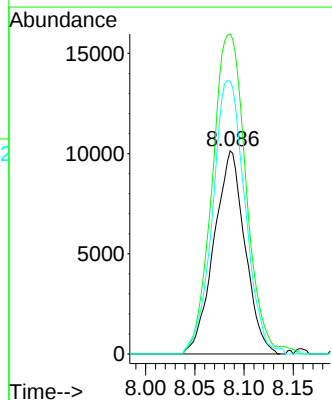
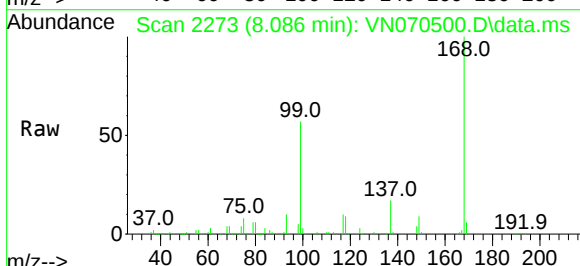
RT: 8.086 min Scan# 2273

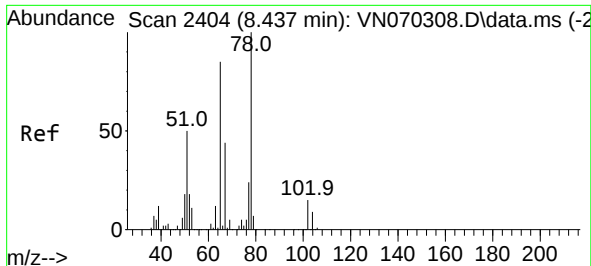
Delta R.T. -0.008 min

Lab File: VN070500.D

Acq: 5 Jan 2022 19:45

Tgt Ion:	56	Resp:	22234
Ion Ratio	Lower	Upper	
56	100		
69	157.6	27.1	40.7#
84	134.4	73.4	110.0#

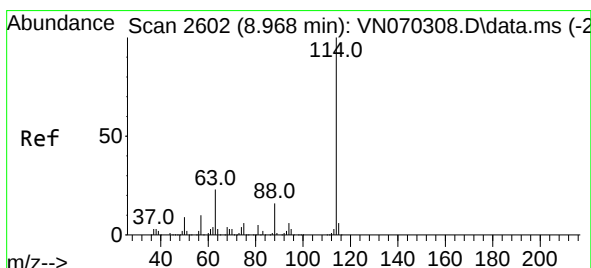
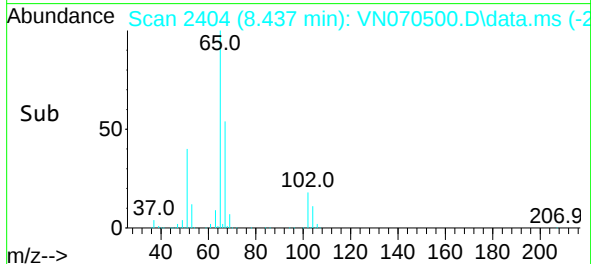
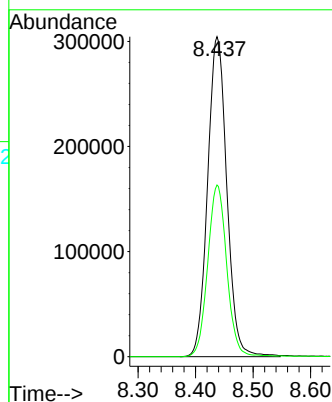
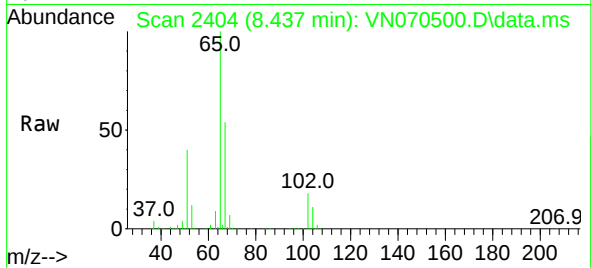




#33
 1,2-Dichloroethane-d4
 Concen: 49.422 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. 0.000 min
 Lab File: VN070500.D
 Acq: 5 Jan 2022 19:45

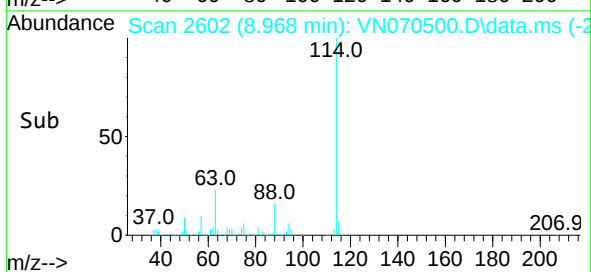
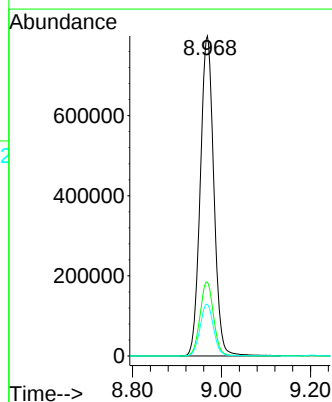
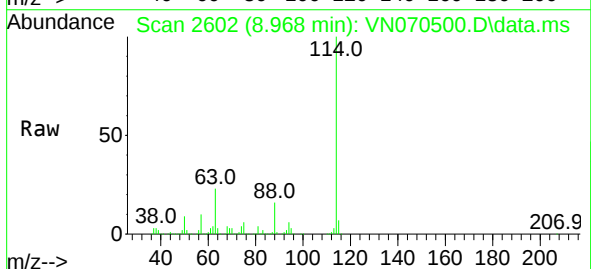
Instrument :
 MSVOA_N
 ClientSampleId :

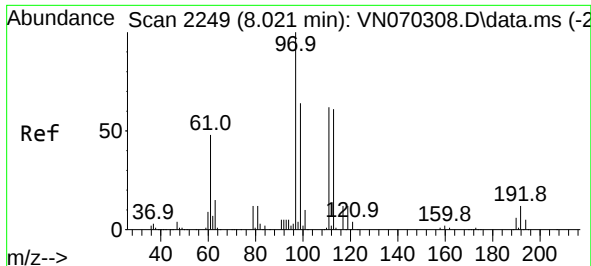
Tgt Ion: 65 Resp: 706537
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070500.D
 Acq: 5 Jan 2022 19:45

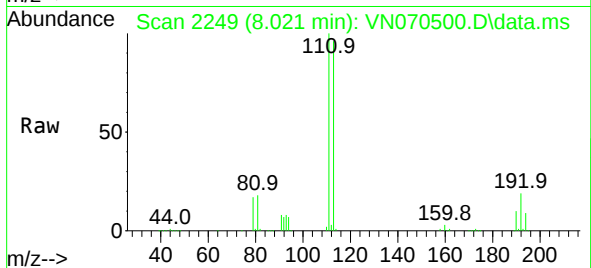
Tgt Ion:114 Resp: 1688239
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 37.8
 88 16.2 0.0 27.4



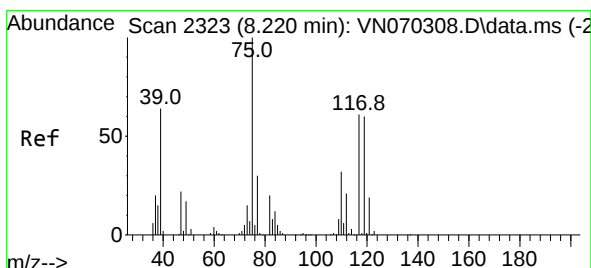
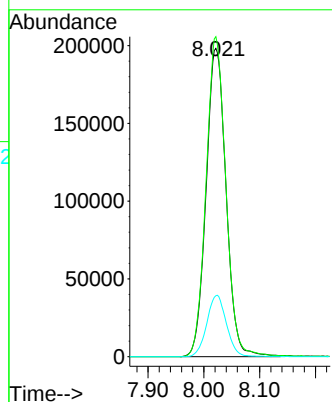
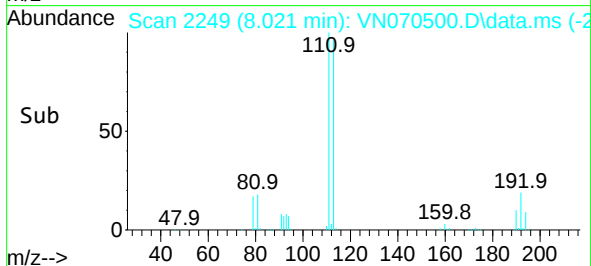


#35
Dibromofluoromethane
Concen: 48.424 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

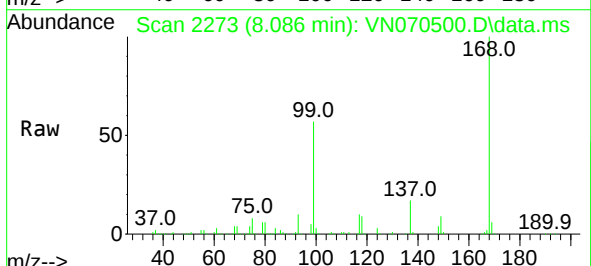
Instrument :
MSVOA_N
ClientSampleId :



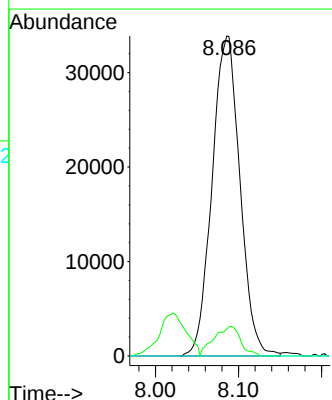
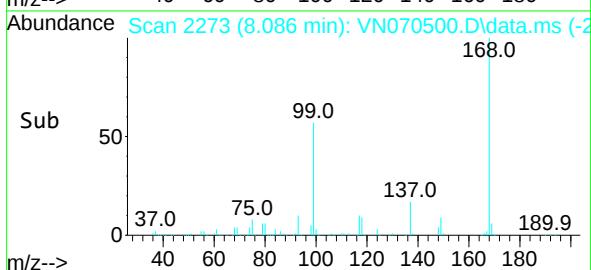
Tgt Ion:113 Resp: 494632
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.6 16.9 25.3

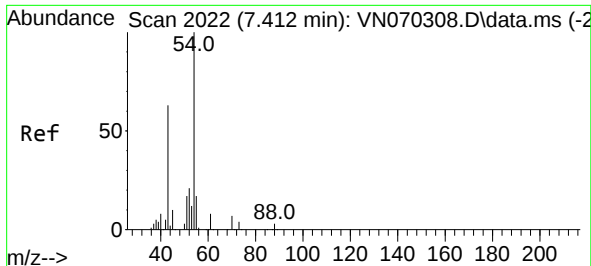


#36
1,1-Dichloropropene
Concen: 4.676 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45



Tgt Ion: 75 Resp: 79014
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.458 ug/l

RT: 7.346 min Scan# 19

Delta R.T. -0.066 min

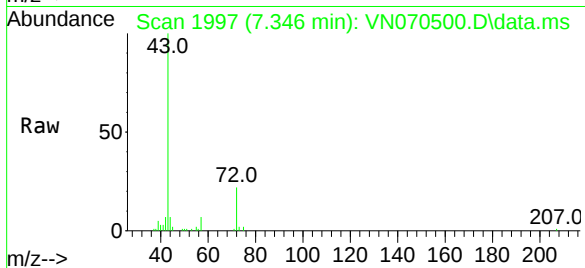
Lab File: VN070500.D

Acq: 5 Jan 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :



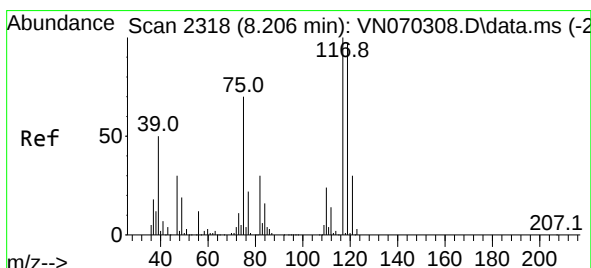
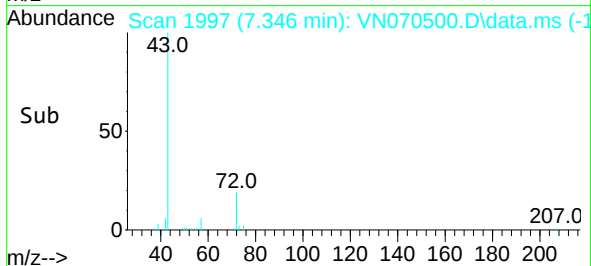
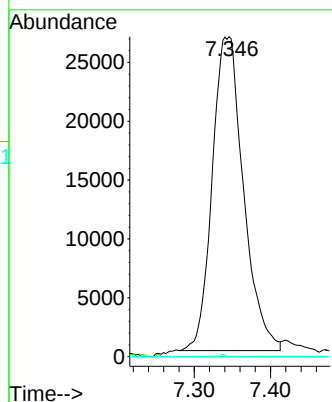
Tgt Ion: 43 Resp: 75743

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.1 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN070500.D

Acq: 5 Jan 2022 19:45

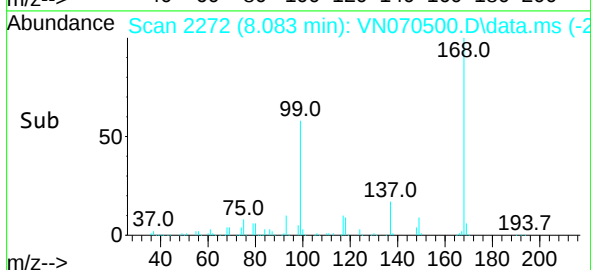
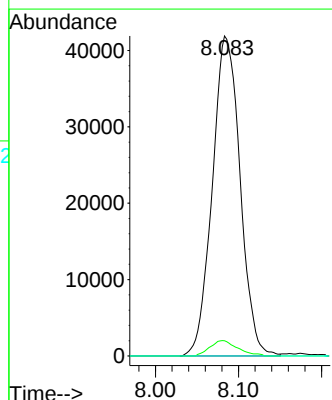
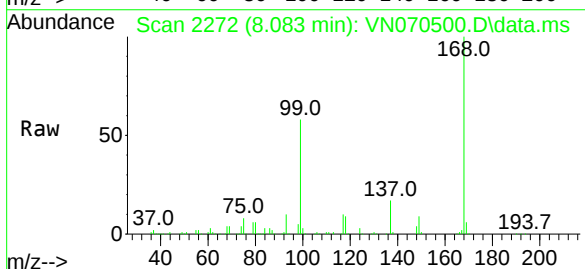
Tgt Ion: 117 Resp: 97366

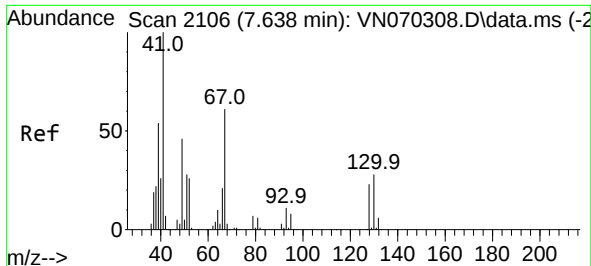
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

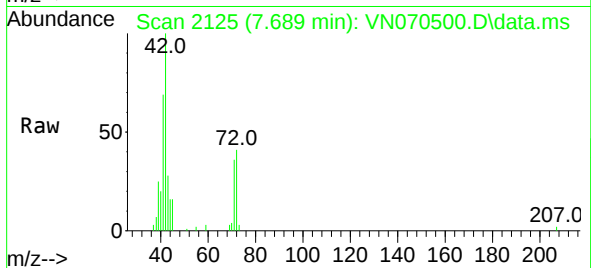
121 0.0 24.2 36.2#



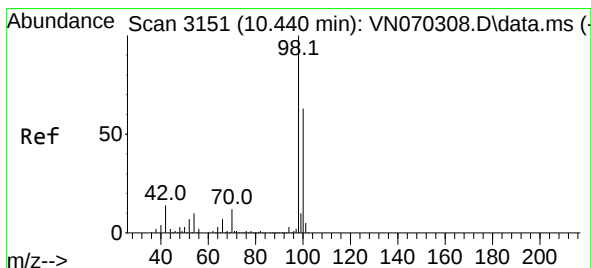
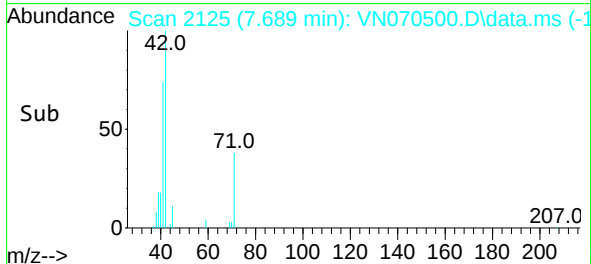
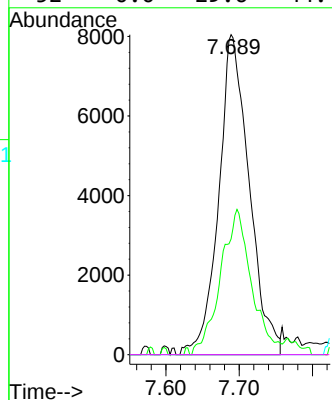


#41
Methacrylonitrile
Concen: 2.121 ug/l
RT: 7.689 min Scan# 2106
Delta R.T. 0.051 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :

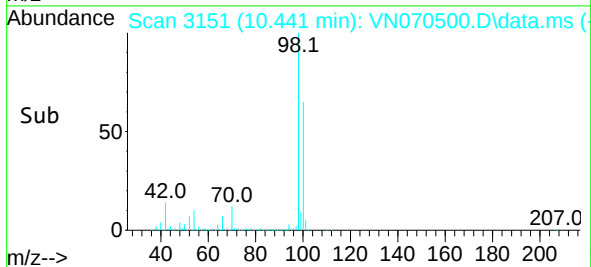
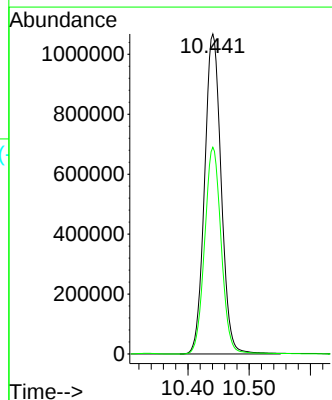
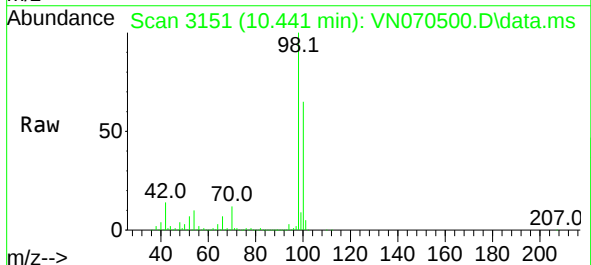


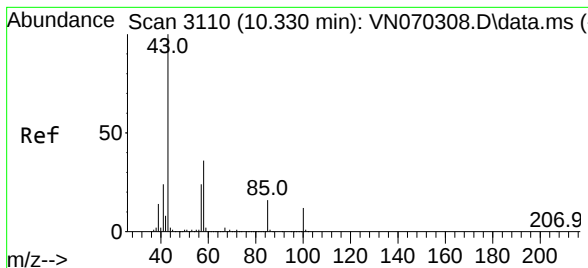
Tgt Ion: 41 Resp: 23233
Ion Ratio Lower Upper
41 100
39 46.4 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 98 Resp: 2009698
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

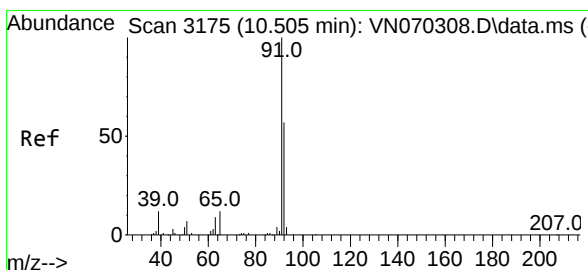
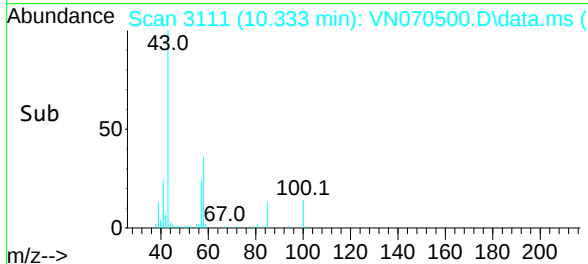
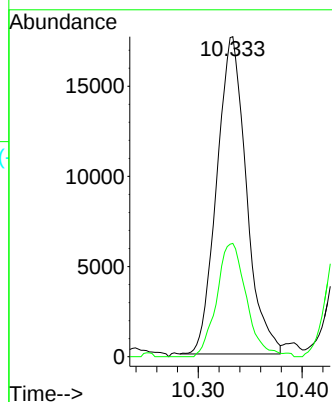
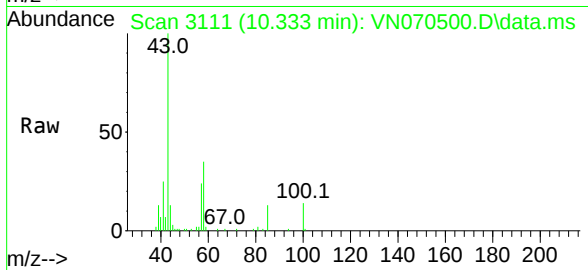




#51
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

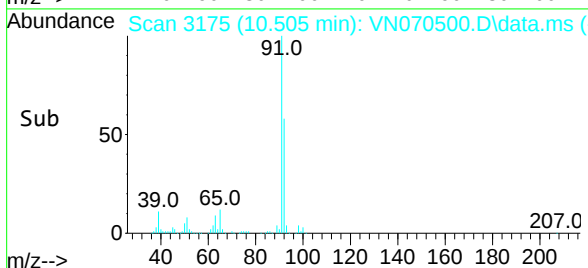
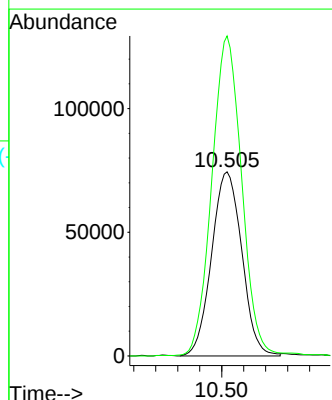
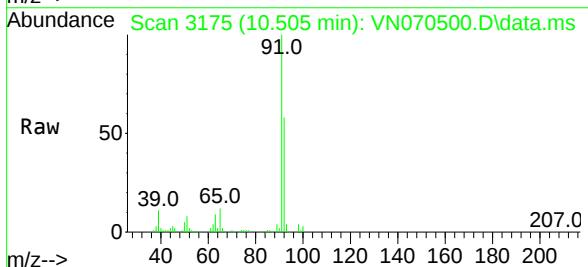
Instrument :
MSVOA_N
ClientSampleId :

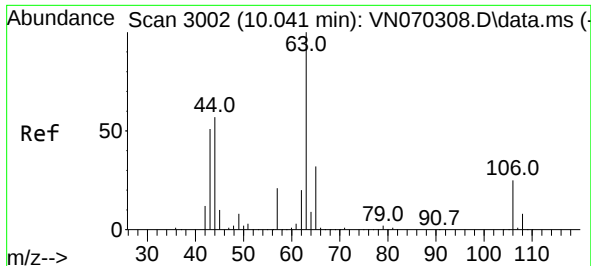
Tgt Ion: 43 Resp: 34800
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6



#52
Toluene
Concen: 4.529 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 92 Resp: 142026
Ion Ratio Lower Upper
92 100
91 171.5 142.0 213.0

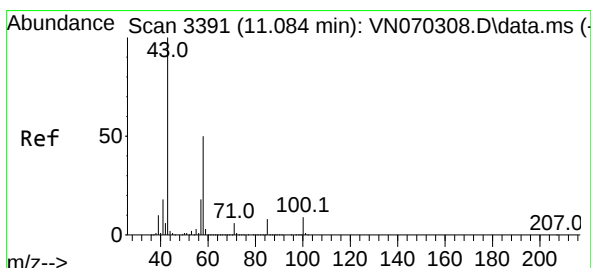
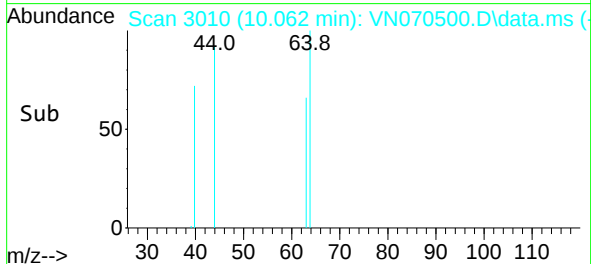
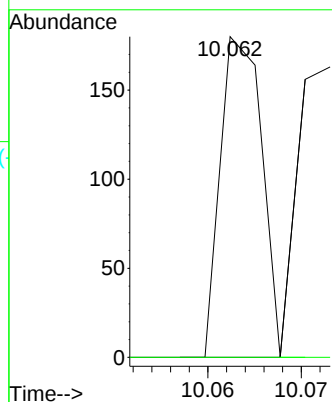
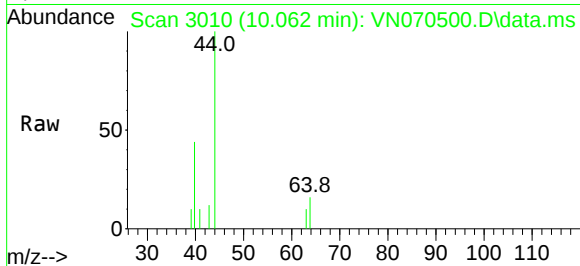




#58
2-Chloroethyl Vinyl ether
Concen: 18.523 ug/l
RT: 10.062 min Scan# 3002
Delta R.T. 0.021 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

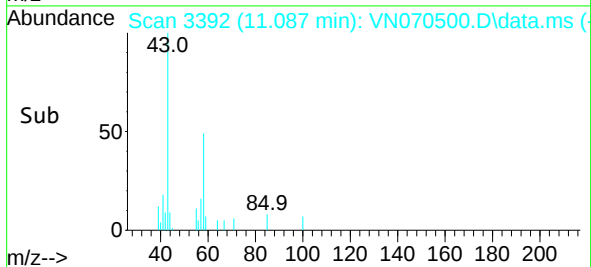
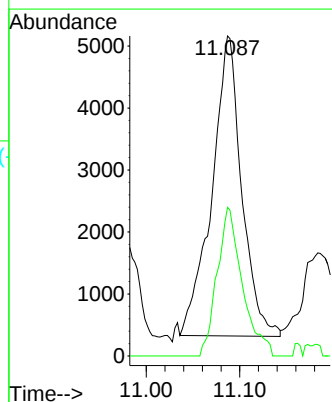
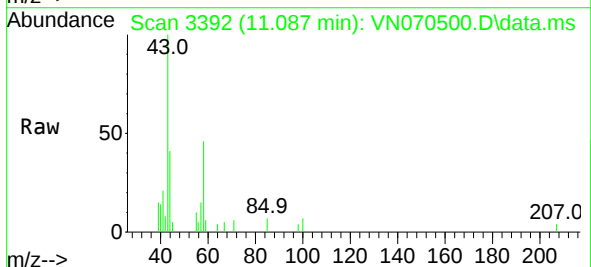
Instrument :
MSVOA_N
ClientSampleId :

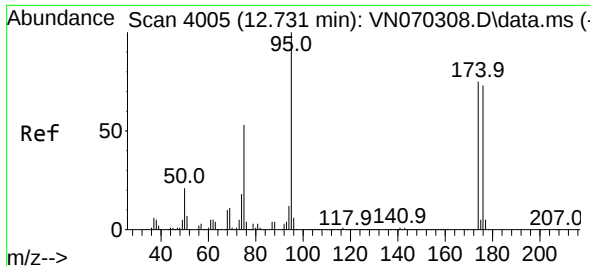
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.680 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

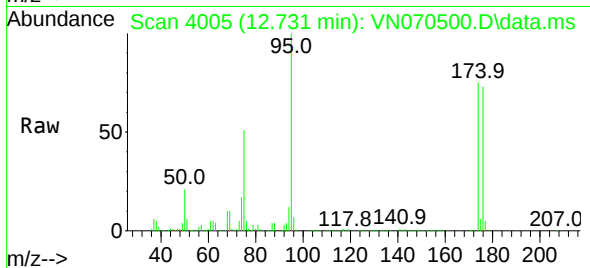
Tgt Ion: 43 Resp: 10762
Ion Ratio Lower Upper
43 100
58 41.7 26.9 80.7



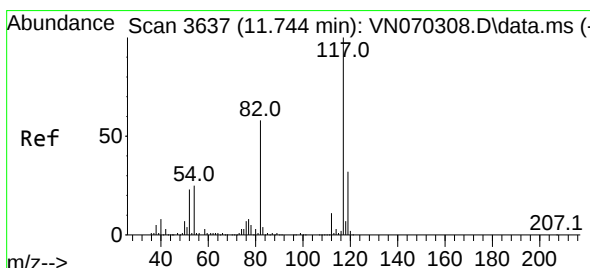
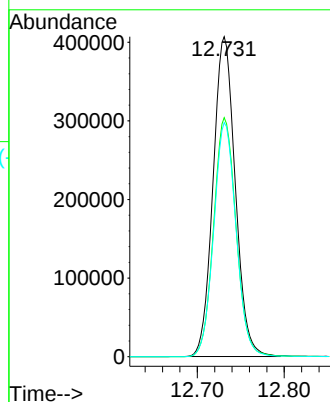
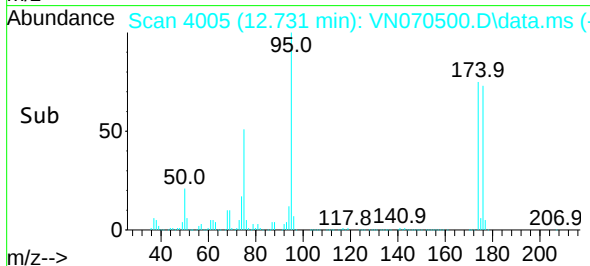


#62
4-Bromofluorobenzene
Concen: 47.922 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

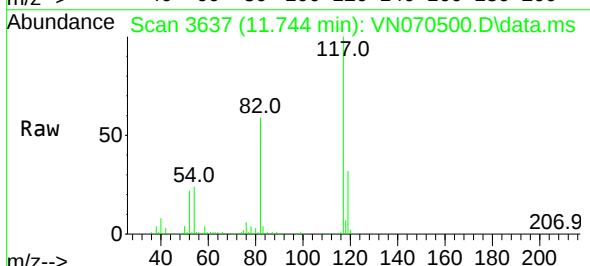
Instrument :
MSVOA_N
ClientSampleId :



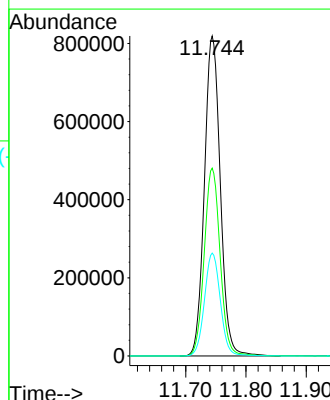
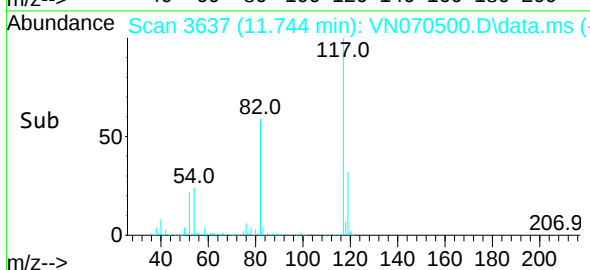
Tgt Ion: 95 Resp: 722250
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.6 0.0 181.4

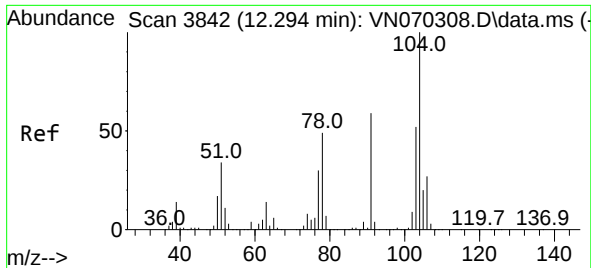


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45



Tgt Ion: 117 Resp: 1500702
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 32.1 25.4 38.2

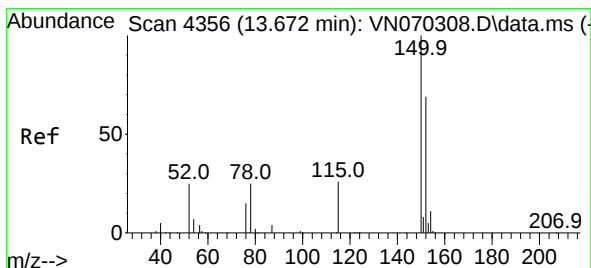
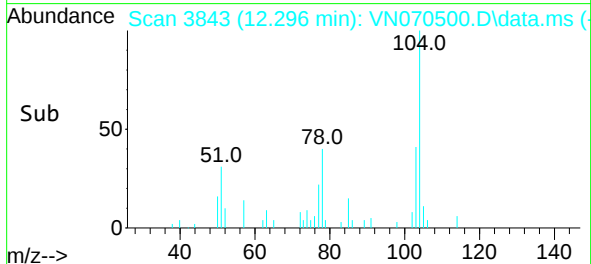
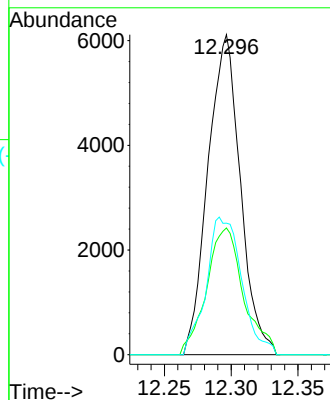
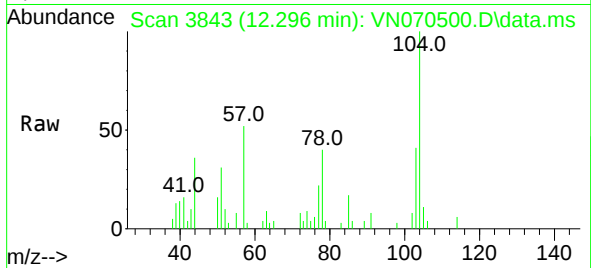




#70
Styrene
Concen: 0.308 ug/l
RT: 12.296 min Scan# 3842
Delta R.T. 0.002 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

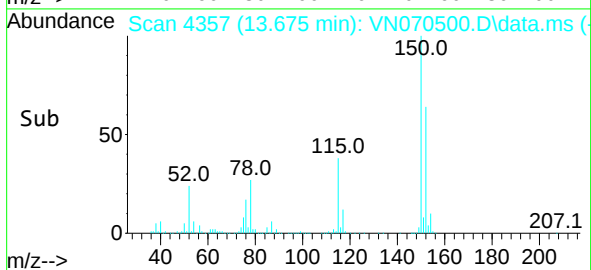
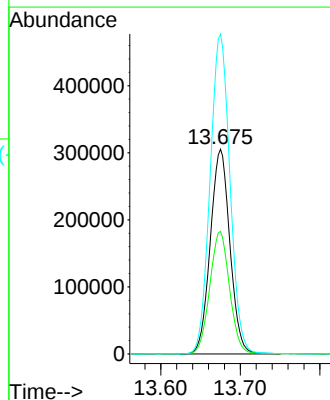
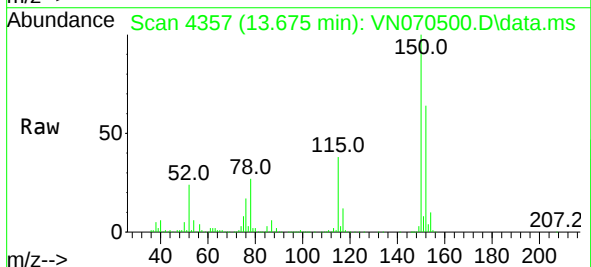
Instrument :
MSVOA_N
ClientSampleId :

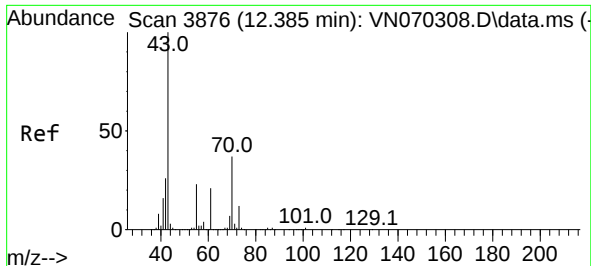
Tgt Ion:104 Resp: 10313
Ion Ratio Lower Upper
104 100
78 45.1 38.7 58.1
103 47.1 45.0 67.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

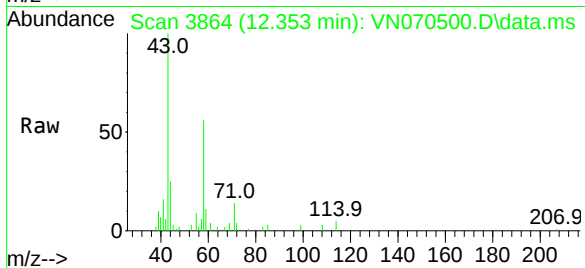
Tgt Ion:152 Resp: 522938
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 158.4 0.0 344.4



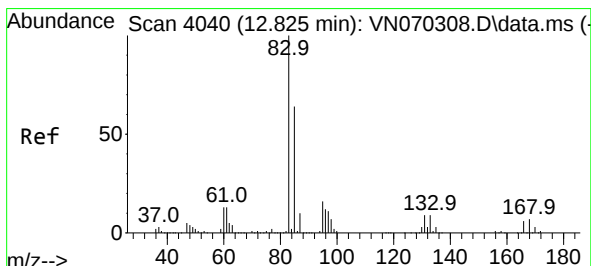
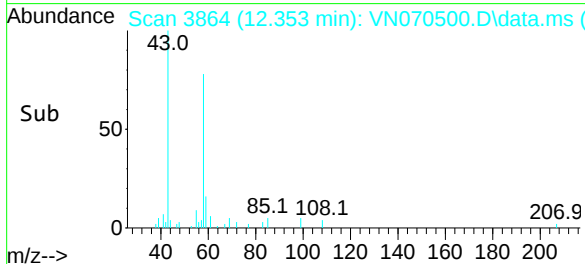
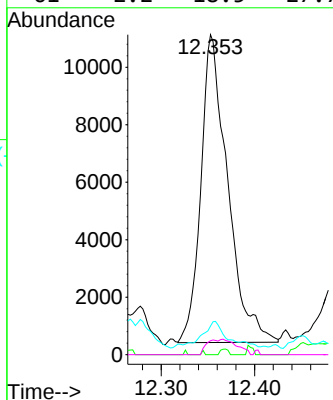


#74
N-amy1 acetate
Concen: 1.046 ug/l
RT: 12.353 min Scan# 31
Delta R.T. -0.032 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :

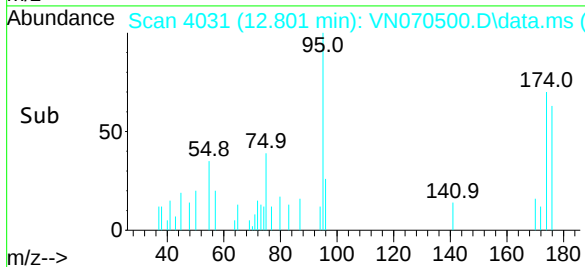
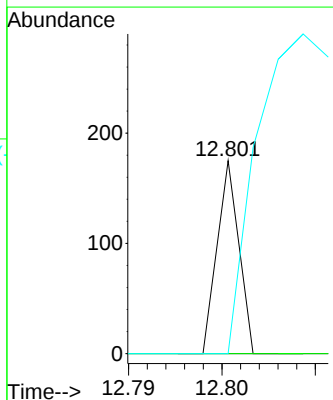
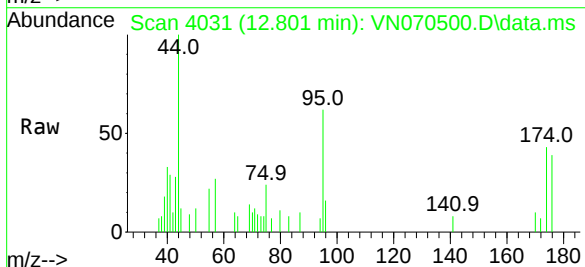


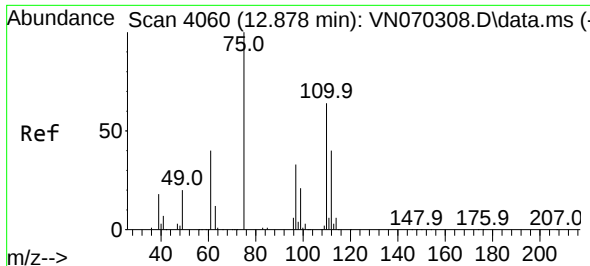
Tgt Ion: 43 Resp: 21368
Ion Ratio Lower Upper
43 100
70 0.1 33.4 50.0#
55 5.0 19.3 28.9#
61 2.2 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.801 min Scan# 4031
Delta R.T. -0.024 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 83 Resp: 28
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 728.6 32.4 97.2#

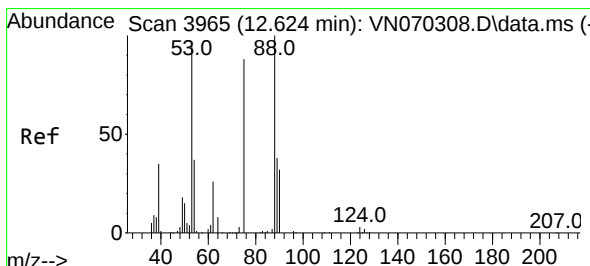
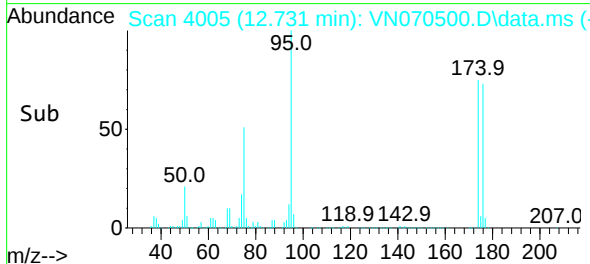
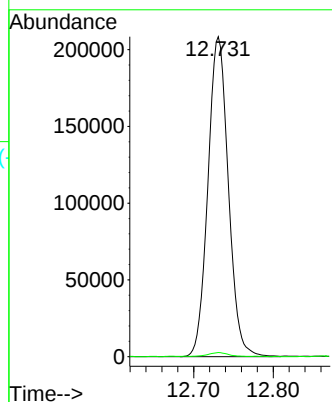
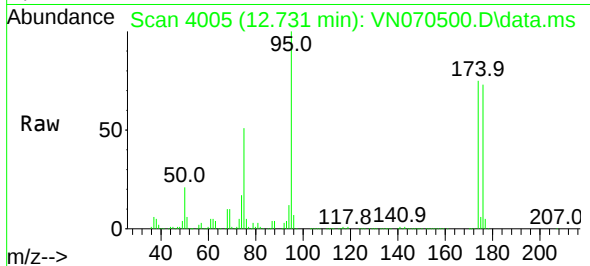




#76
1,2,3-Trichloropropane
Concen: 25.441 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

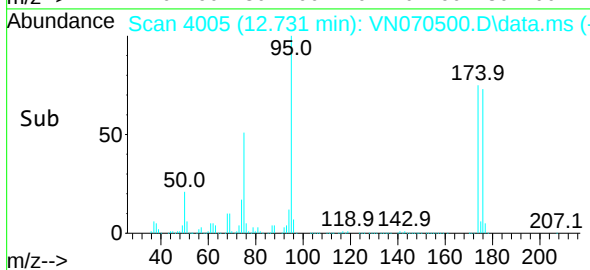
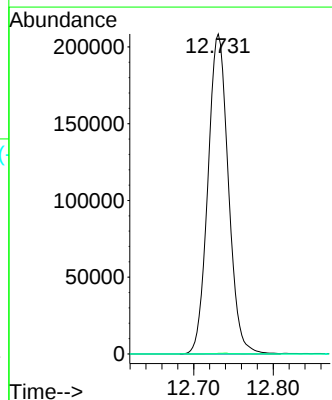
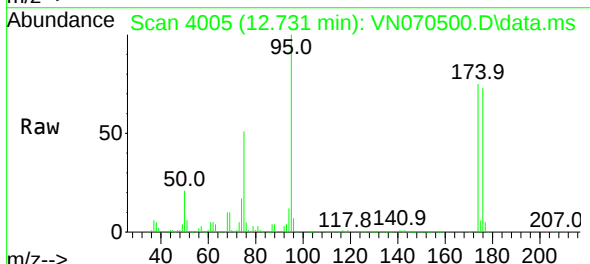
Instrument :
MSVOA_N
ClientSampleId :

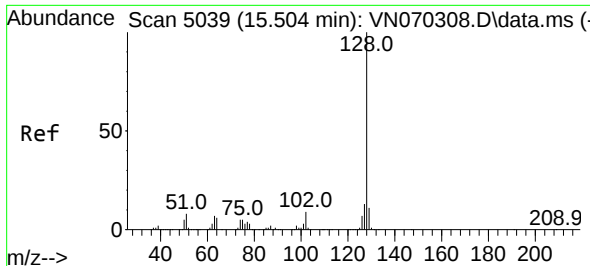
Tgt Ion: 75 Resp: 371877
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.884 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion: 75 Resp: 371877
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

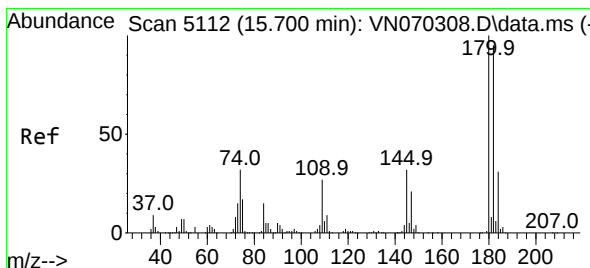
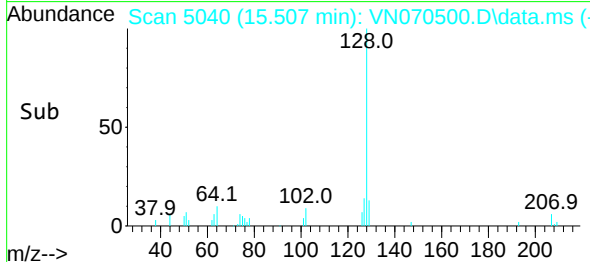
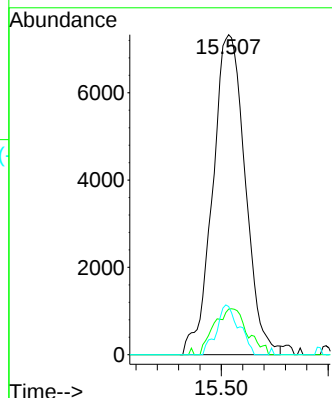
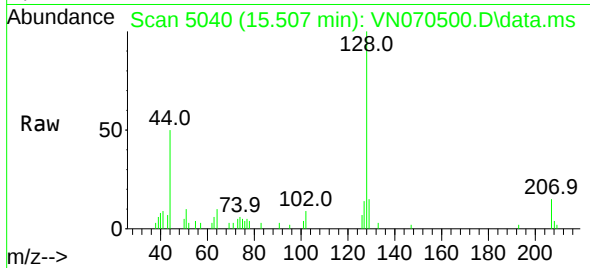




#95
Naphthalene
Concen: 2.423 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 15475
Ion Ratio Lower Upper
128 100
127 14.7 10.5 15.7
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.843 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070500.D
Acq: 5 Jan 2022 19:45

Tgt Ion:180 Resp: 144
Ion Ratio Lower Upper
180 100
182 117.4 47.4 142.2
145 18.8 15.0 45.1

