

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070529.D
 Acq On : 6 Jan 2022 19:24
 Operator : JC/MD
 Sample : N1037-03 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:42:29 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)

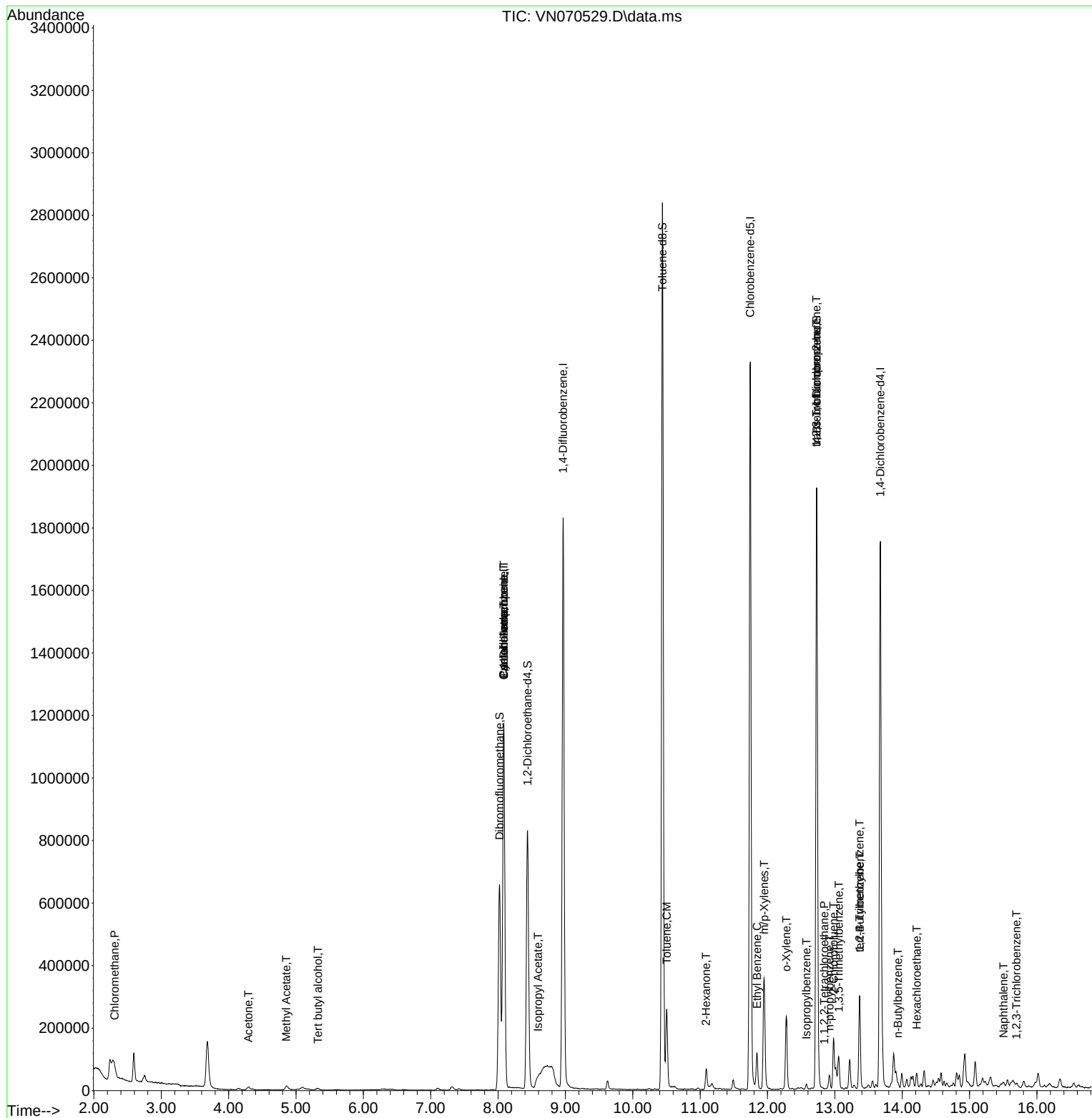
Internal Standards						
1) Pentafluorobenzene	8.083	168	906530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1564031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1362990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	489709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	697065	53.480	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.960%	
35) Dibromofluoromethane	8.021	113	488177	51.587	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.180%	
50) Toluene-d8	10.440	98	1981784	51.265	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.731	95	717059	51.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3690	0.264	ug/l	98
11) Tert butyl alcohol	5.326	59	2850	1.313	ug/l #	71
16) Acetone	4.293	43	12609	1.490	ug/l	96
18) Methyl Acetate	4.857	43	13798	0.564	ug/l #	74
31) Cyclohexane	8.083	56	20284	0.986	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	72307	4.619	ug/l #	46
38) Carbon Tetrachloride	8.086	117	87963	5.884	ug/l #	16
43) Isopropyl Acetate	8.595	43	36752	1.149	ug/l #	57
52) Toluene	10.502	92	103150	3.551	ug/l	97
59) 2-Hexanone	11.087	43	11460	0.782	ug/l #	57
67) Ethyl Benzene	11.843	91	82088	1.549	ug/l	94
68) m/p-Xylenes	11.950	106	112973	5.857	ug/l	95
69) o-Xylene	12.280	106	65600	3.419	ug/l	92
73) Isopropylbenzene	12.578	105	11235	0.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.843	83	25	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	371998	26.990	ug/l #	1
78) n-propylbenzene	12.921	91	35727	0.709	ug/l	97
79) 2-Chlorotoluene	12.980	91	18661	0.577	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.058	105	46104	1.265	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.728	75	371998	92.809	ug/l #	5
83) tert-Butylbenzene	13.369	119	21449	0.668	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.366	105	173268	4.938	ug/l	99
89) n-Butylbenzene	13.938	91	7213	0.253	ug/l #	78
90) Hexachloroethane	14.217	117	2846	0.479	ug/l #	6
95) Naphthalene	15.504	128	11835	2.308	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.694	180	50	0.832	ug/l #	70

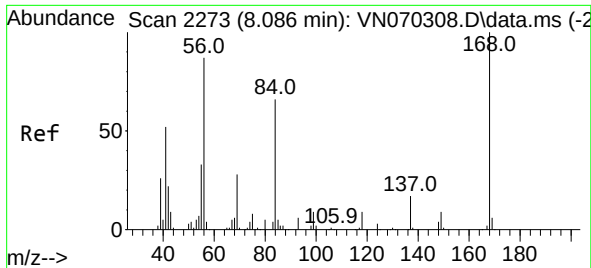
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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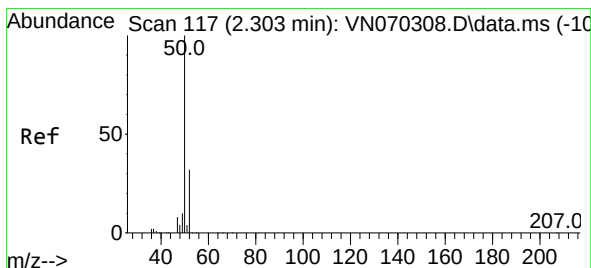
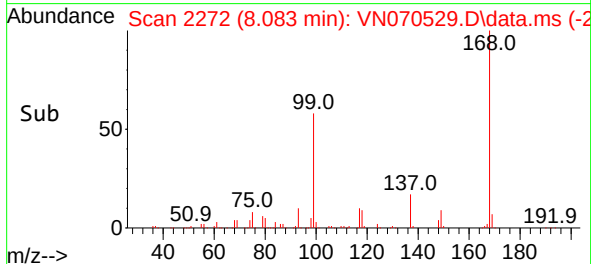
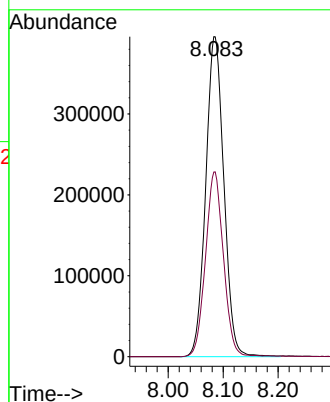
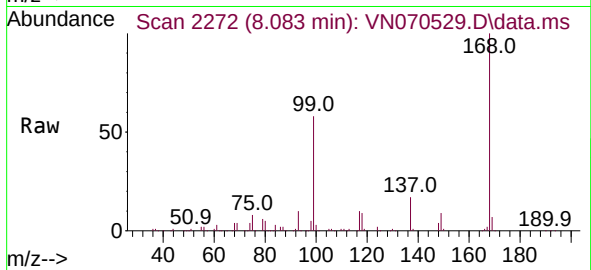




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

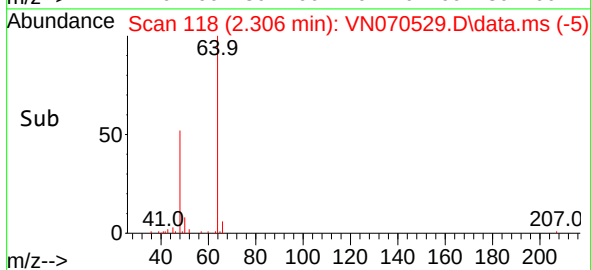
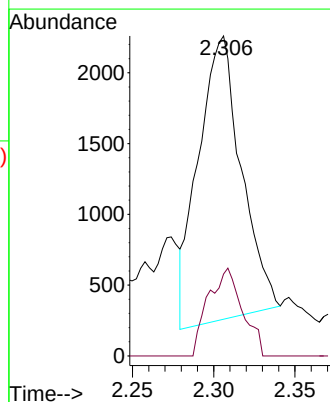
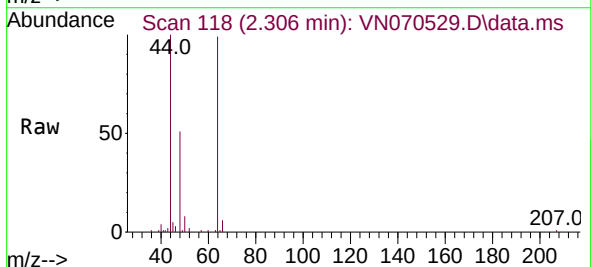
Instrument :
MSVOA_N
ClientSampleId :

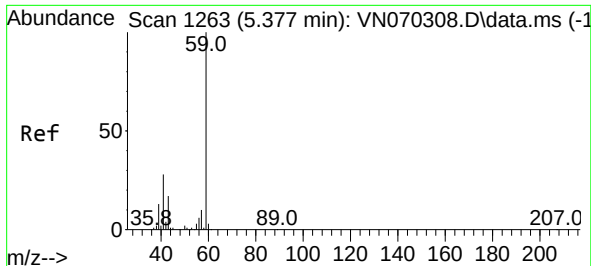
Tgt Ion:168 Resp: 906530
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.264 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion: 50 Resp: 3690
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.0





#11

Tert butyl alcohol

Concen: 1.313 ug/l

RT: 5.326 min Scan# 11

Delta R.T. -0.051 min

Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

Instrument :

MSVOA_N

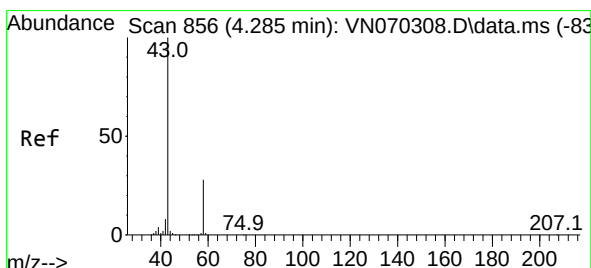
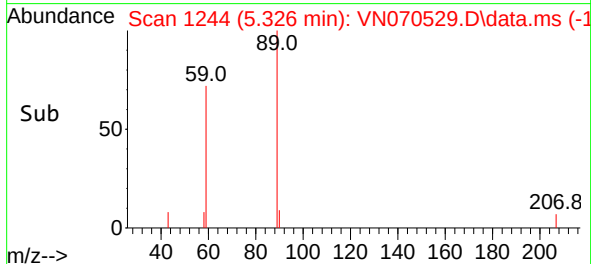
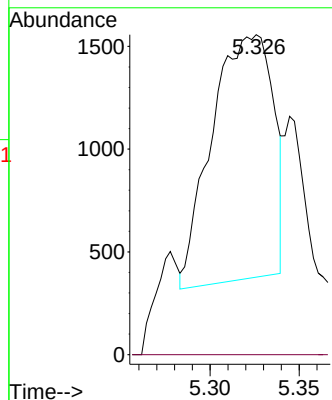
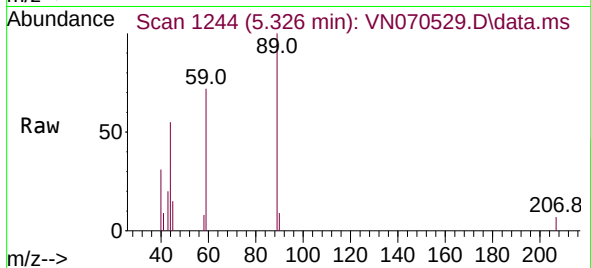
ClientSampleId :

Tgt Ion: 59 Resp: 2850

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 1.490 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070529.D

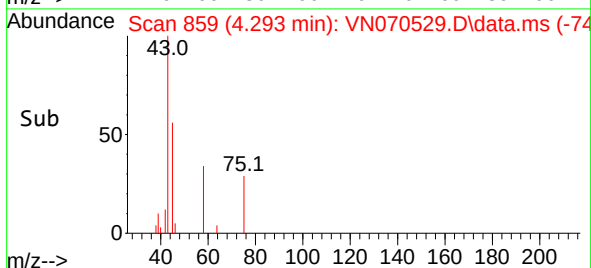
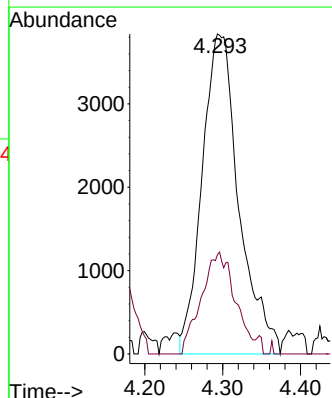
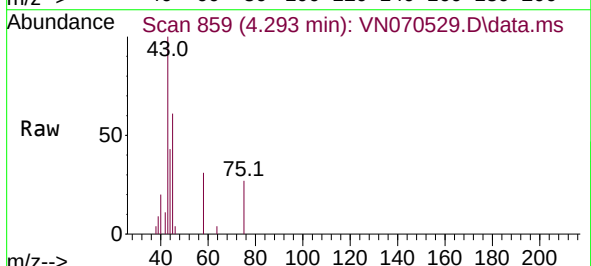
Acq: 6 Jan 2022 19:24

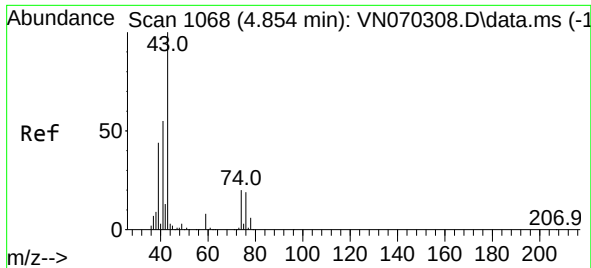
Tgt Ion: 43 Resp: 12609

Ion Ratio Lower Upper

43 100

58 31.0 23.1 34.7





#18

Methyl Acetate

Concen: 0.564 ug/l

RT: 4.857 min Scan# 1069

Delta R.T. 0.003 min

Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

Instrument :

MSVOA_N

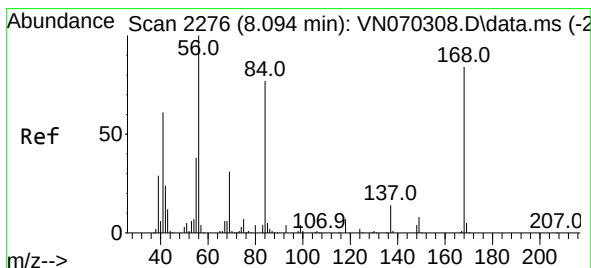
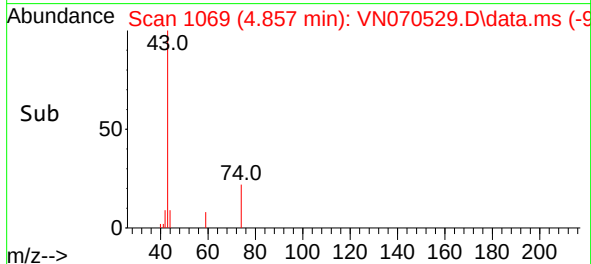
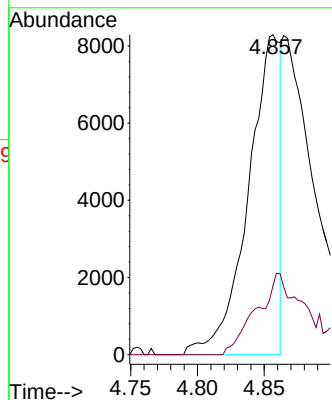
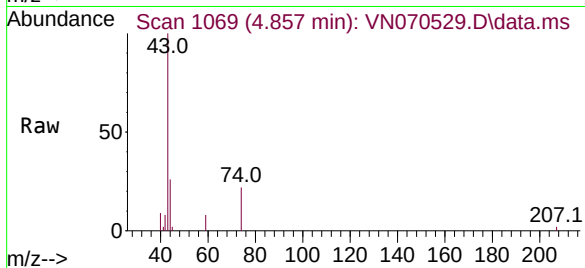
ClientSampleId :

Tgt Ion: 43 Resp: 13798

Ion Ratio Lower Upper

43 100

74 37.4 19.4 29.2#



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

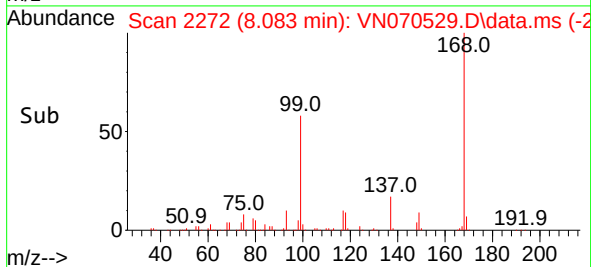
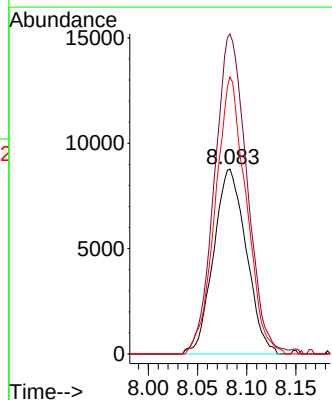
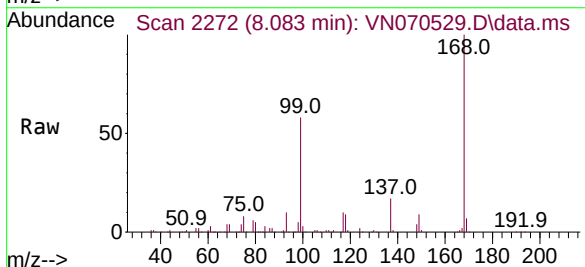
Tgt Ion: 56 Resp: 20284

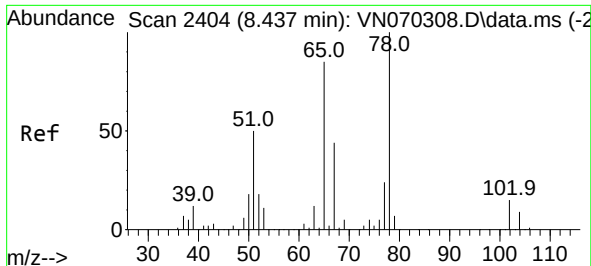
Ion Ratio Lower Upper

56 100

69 173.0 27.1 40.7#

84 149.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.480 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

Instrument :

MSVOA_N

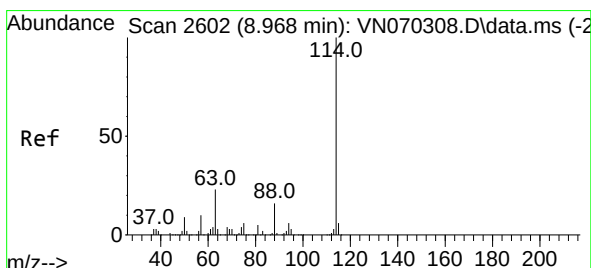
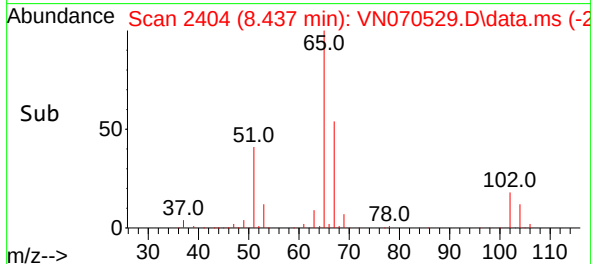
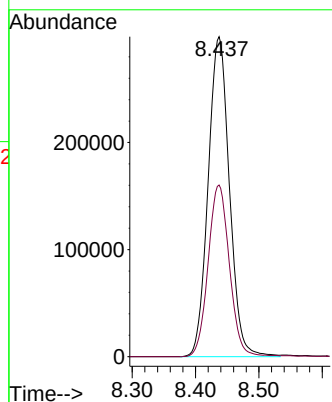
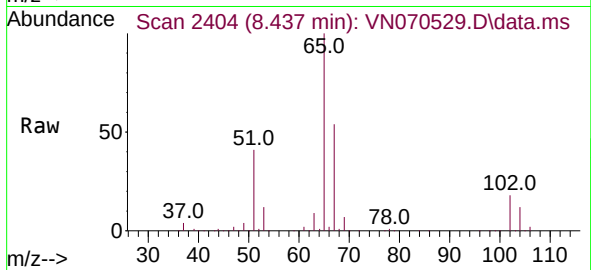
ClientSampleId :

Tgt Ion: 65 Resp: 697065

Ion Ratio Lower Upper

65 100

67 53.7 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: VN070529.D

Acq: 6 Jan 2022 19:24

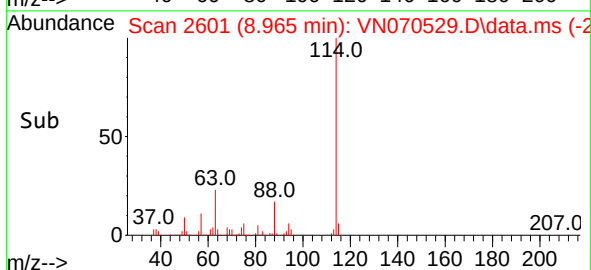
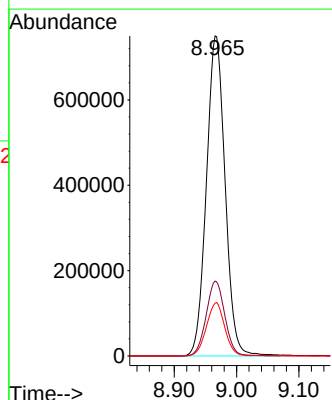
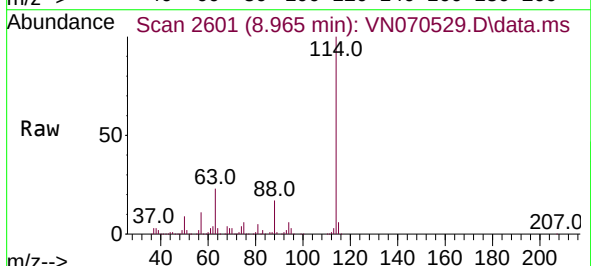
Tgt Ion: 114 Resp: 1564031

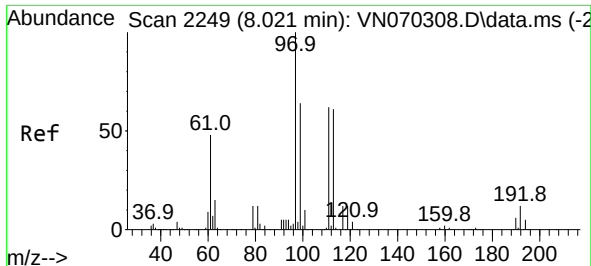
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

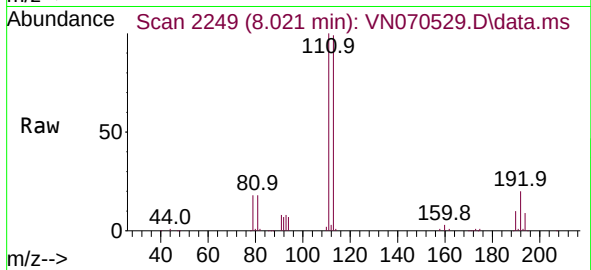
88 16.5 0.0 27.4



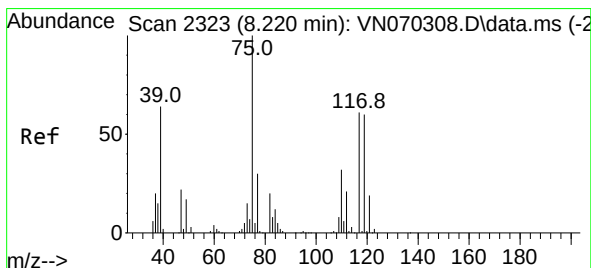
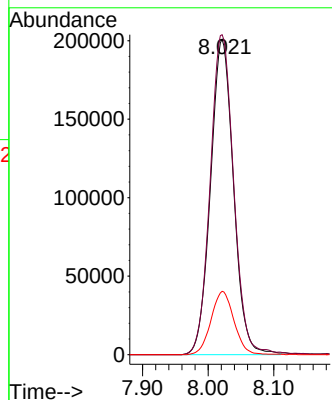
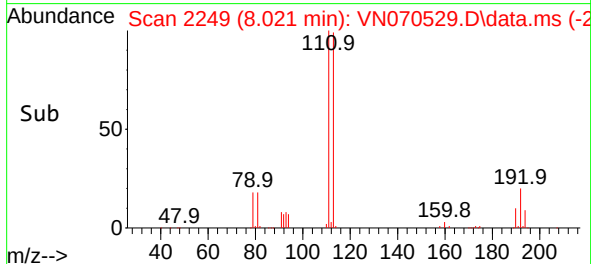


#35
 Dibromofluoromethane
 Concen: 51.587 ug/l
 RT: 8.021 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

Instrument :
 MSVOA_N
 ClientSampleId :

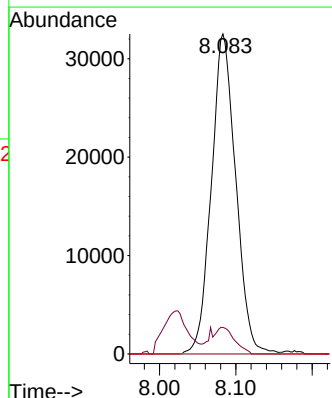
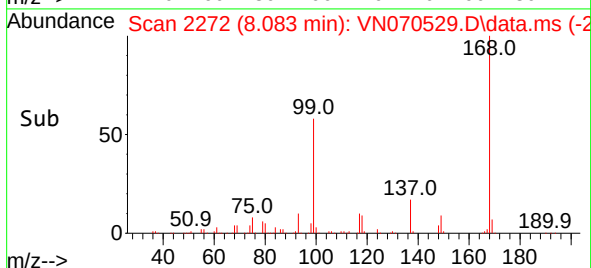
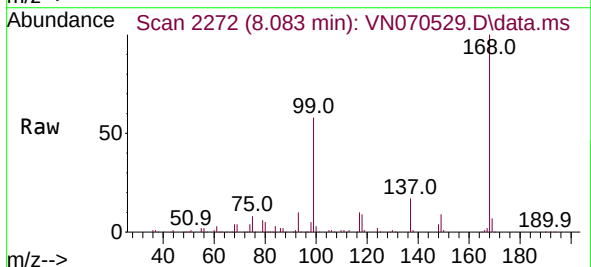


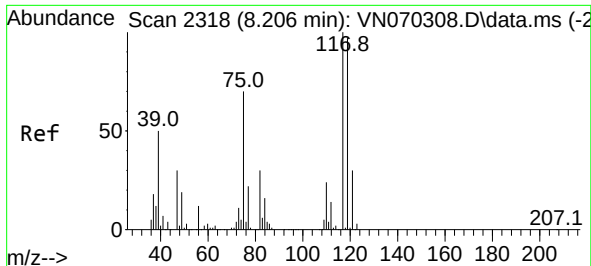
Tgt Ion:113 Resp: 488177
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.2
 192 20.1 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

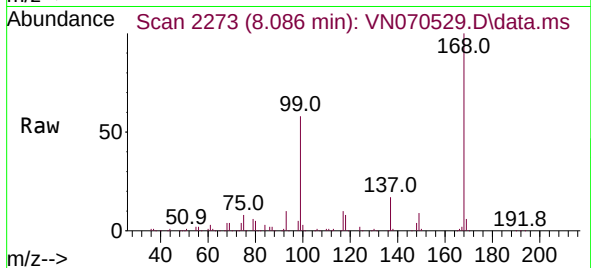
Tgt Ion: 75 Resp: 72307
 Ion Ratio Lower Upper
 75 100
 110 6.0 18.4 55.2#
 77 0.0 24.4 36.6#



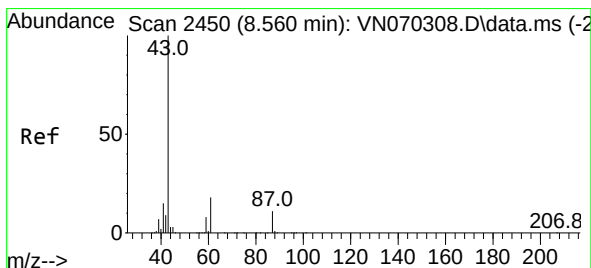
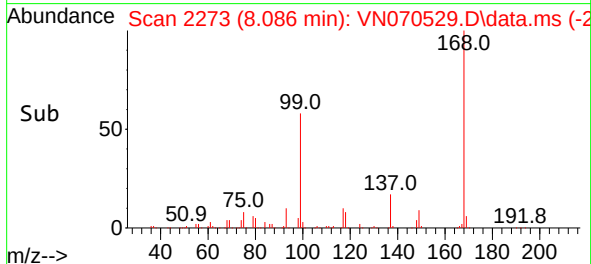
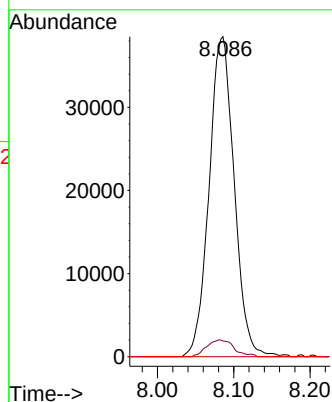


#38
Carbon Tetrachloride
Concen: 5.884 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Instrument :
MSVOA_N
ClientSampleId :

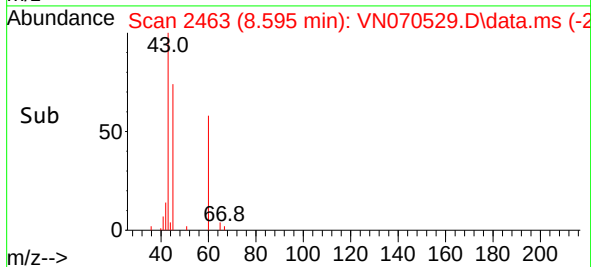
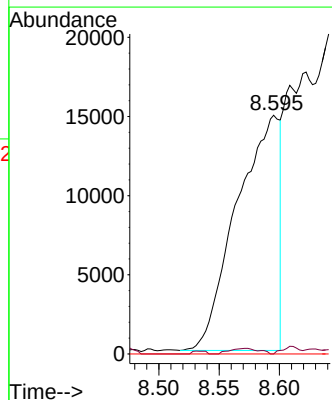
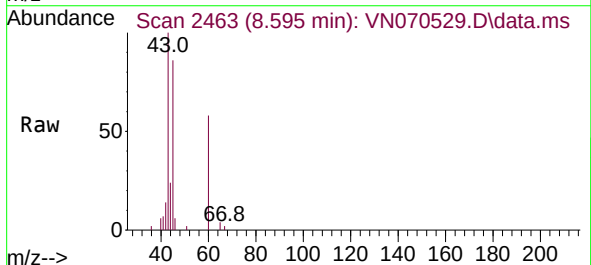


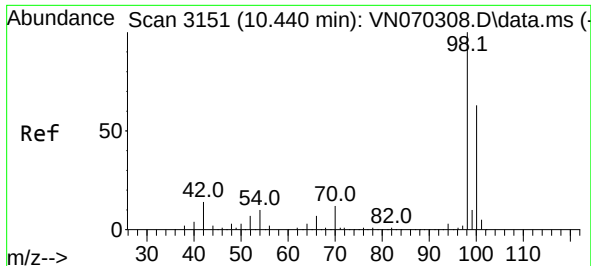
Tgt Ion:117 Resp: 87963
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.149 ug/l
RT: 8.595 min Scan# 2463
Delta R.T. 0.035 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion: 43 Resp: 36752
Ion Ratio Lower Upper
43 100
61 1.2 20.4 30.6#
87 0.0 11.2 16.8#

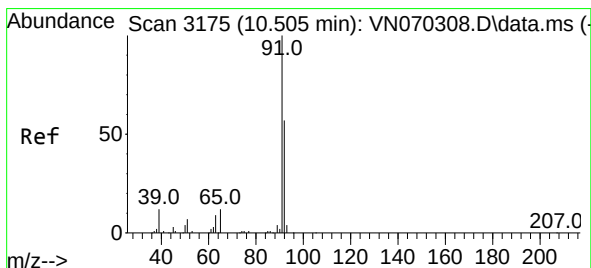
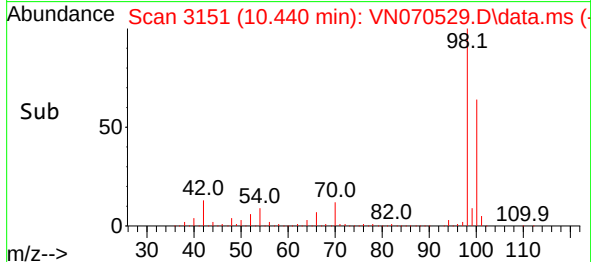
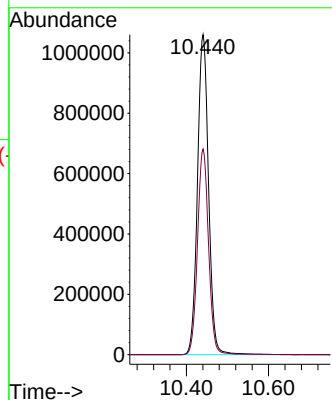
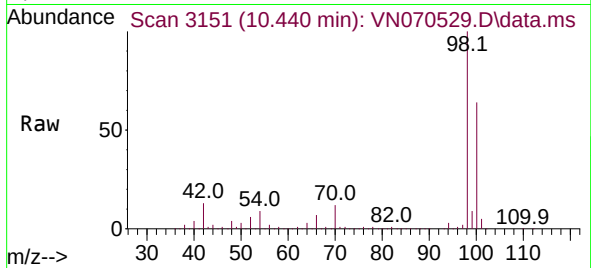




#50
Toluene-d8
Concen: 51.265 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

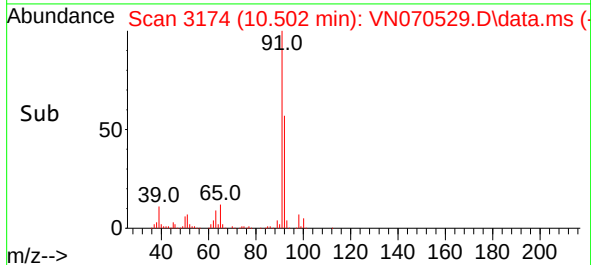
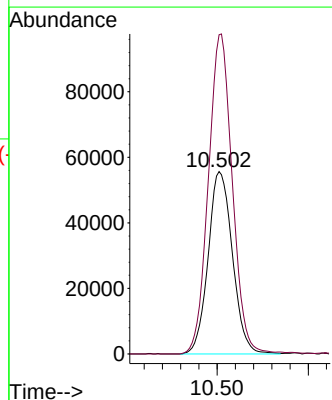
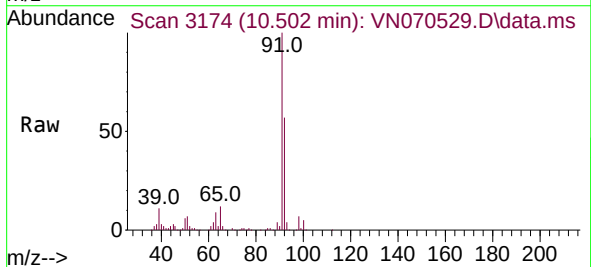
Instrument :
MSVOA_N
ClientSampleId :

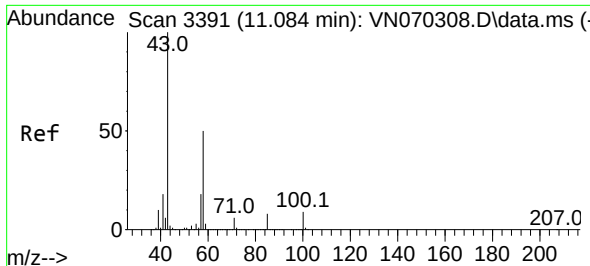
Tgt Ion: 98 Resp: 1981784
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#52
Toluene
Concen: 3.551 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion: 92 Resp: 103150
Ion Ratio Lower Upper
92 100
91 172.8 142.0 213.0

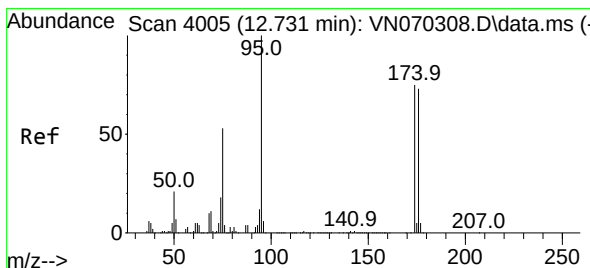
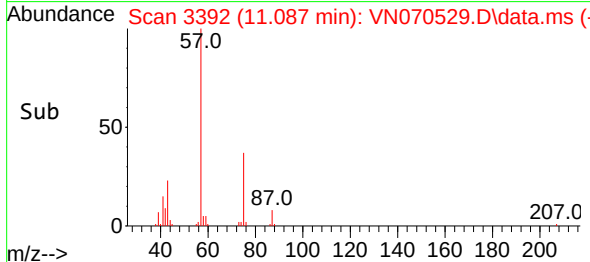
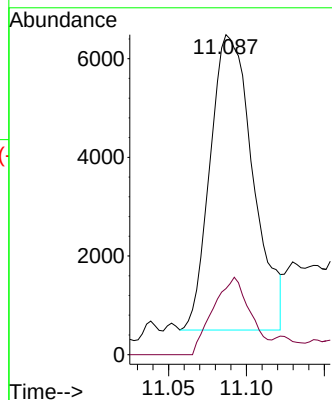
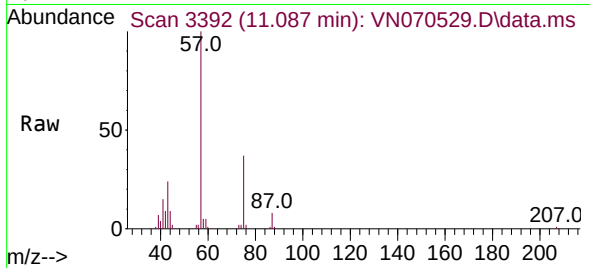




#59
2-Hexanone
Concen: 0.782 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

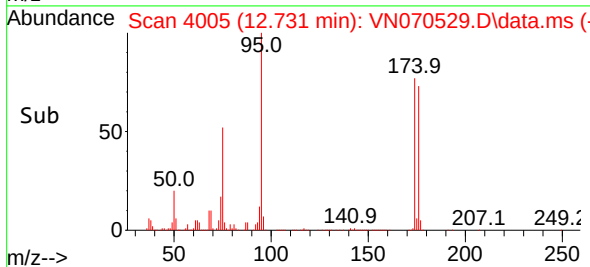
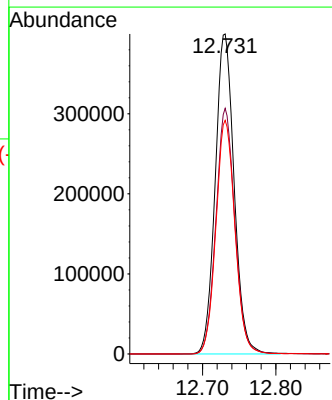
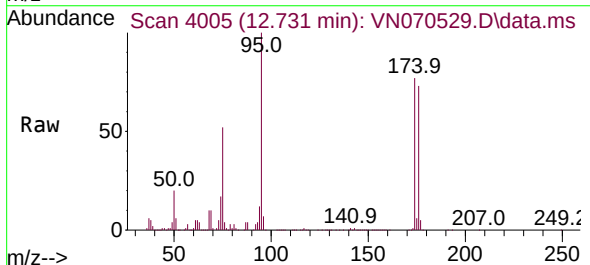
Instrument :
MSVOA_N
ClientSampleId :

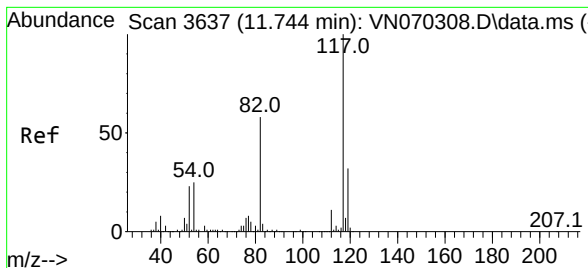
Tgt Ion: 43 Resp: 11460
Ion Ratio Lower Upper
43 100
58 23.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.356 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion: 95 Resp: 717059
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 73.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.000 min

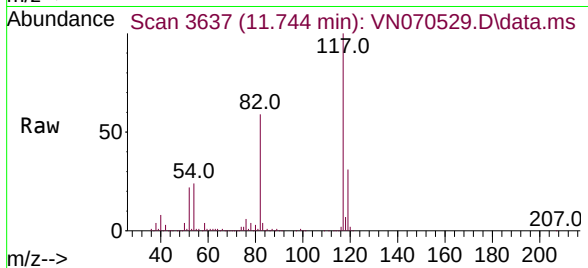
Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :



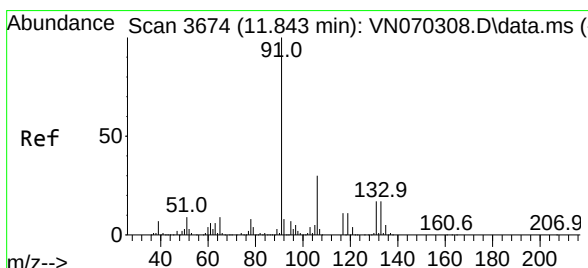
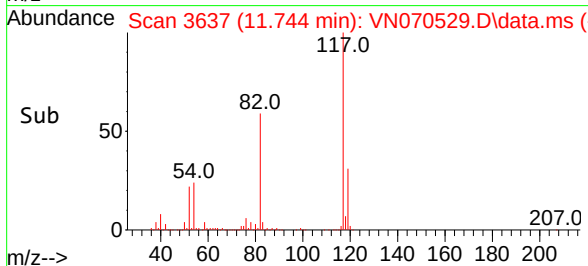
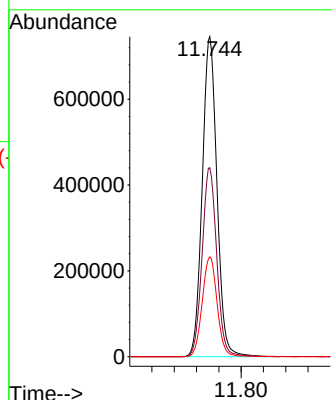
Tgt Ion:117 Resp: 1362990

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 31.2 25.4 38.2



#67

Ethyl Benzene

Concen: 1.549 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070529.D

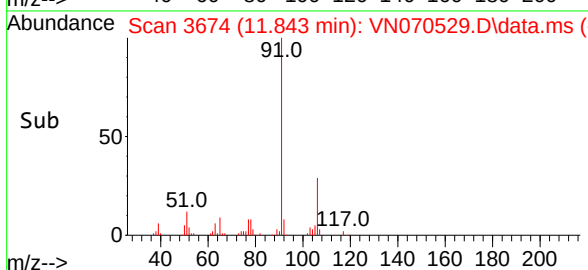
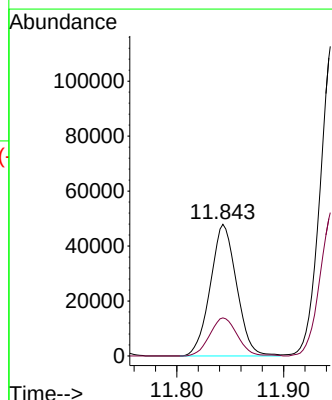
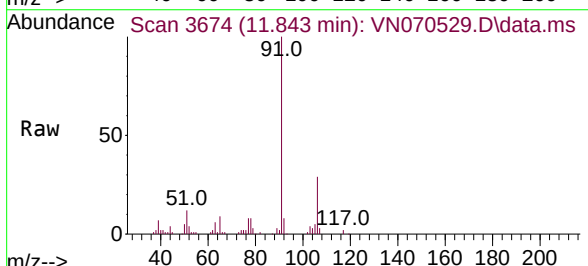
Acq: 6 Jan 2022 19:24

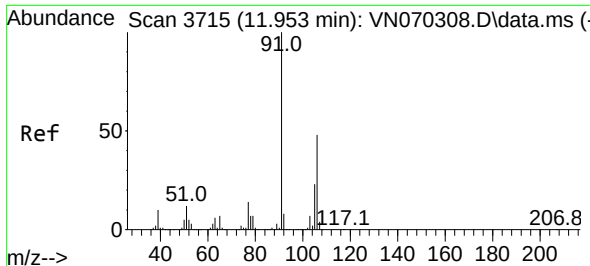
Tgt Ion: 91 Resp: 82088

Ion Ratio Lower Upper

91 100

106 29.0 25.7 38.5

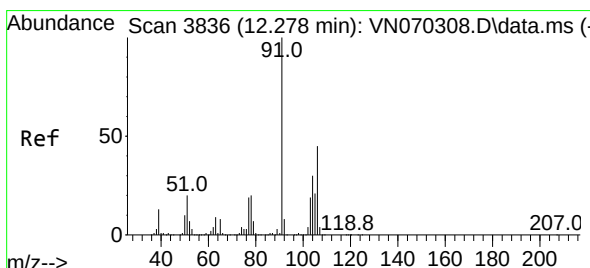
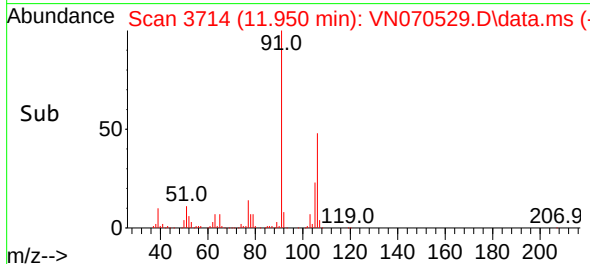
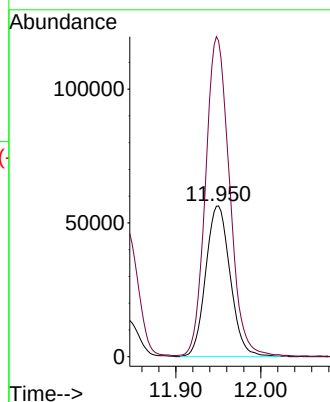
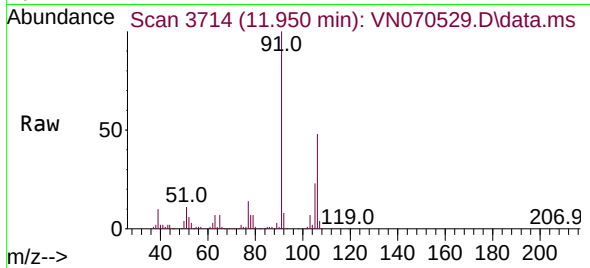




#68
m/p-Xylenes
Concen: 5.857 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

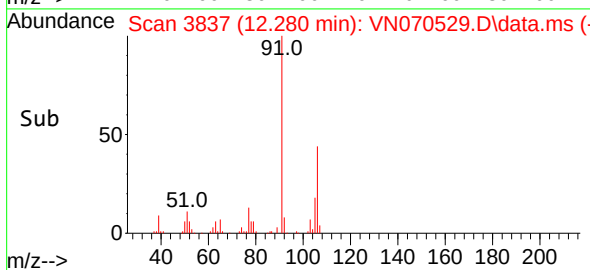
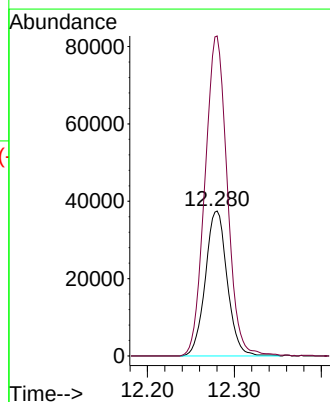
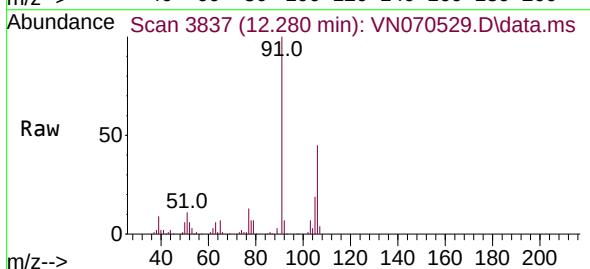
Instrument :
MSVOA_N
ClientSampleId :

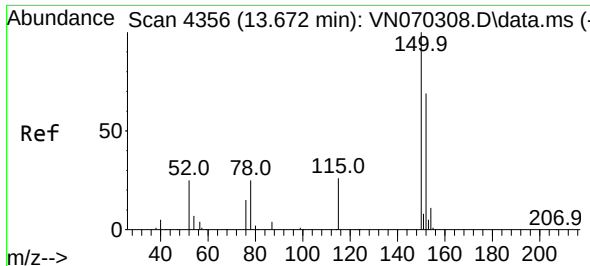
Tgt Ion:106 Resp: 112973
Ion Ratio Lower Upper
106 100
91 207.7 160.6 240.8



#69
o-Xylene
Concen: 3.419 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

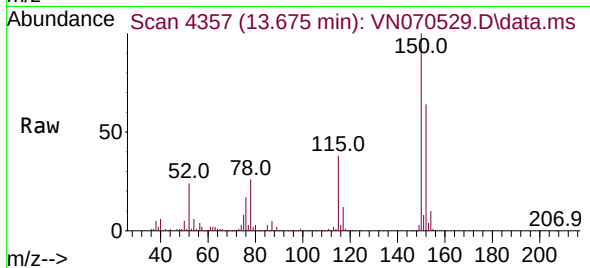
Tgt Ion:106 Resp: 65600
Ion Ratio Lower Upper
106 100
91 224.8 105.8 317.3



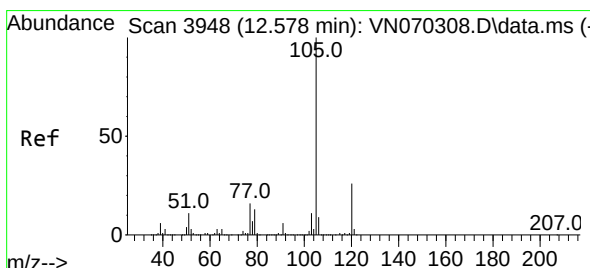
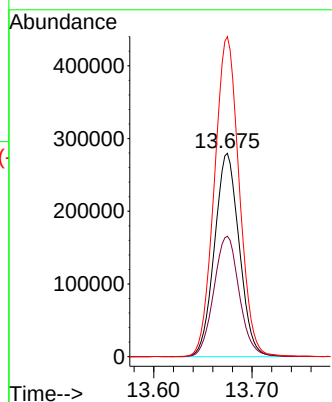
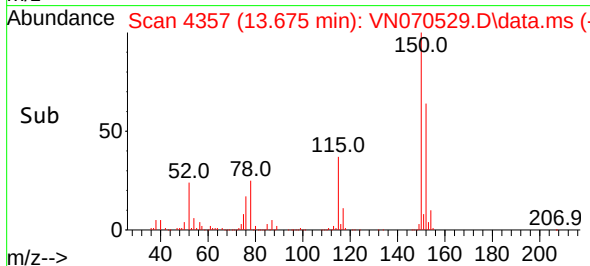


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Instrument :
MSVOA_N
ClientSampleId :

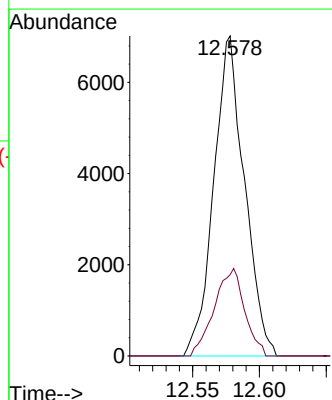
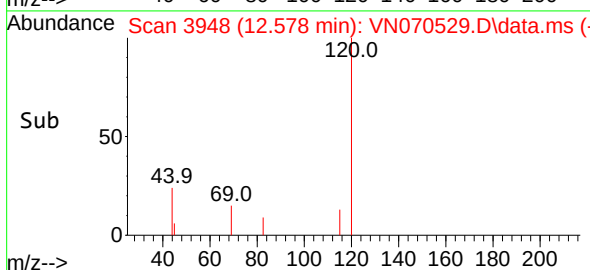
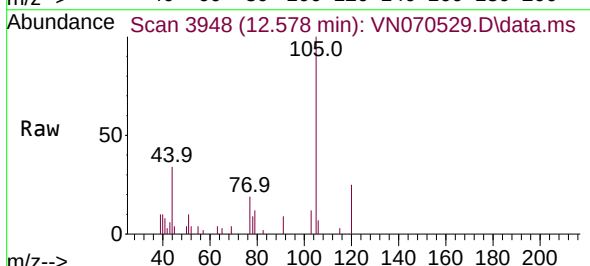


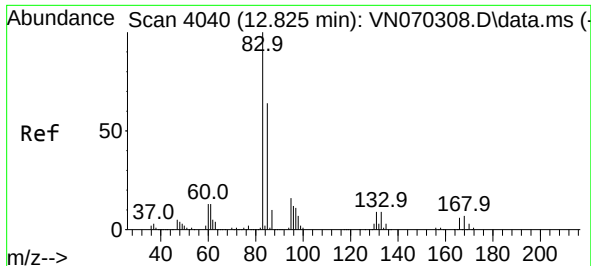
Tgt Ion:152 Resp: 489709
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.2 0.0 344.4



#73
Isopropylbenzene
Concen: 0.247 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion:105 Resp: 11235
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1

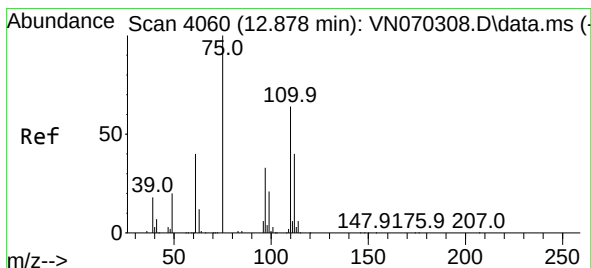
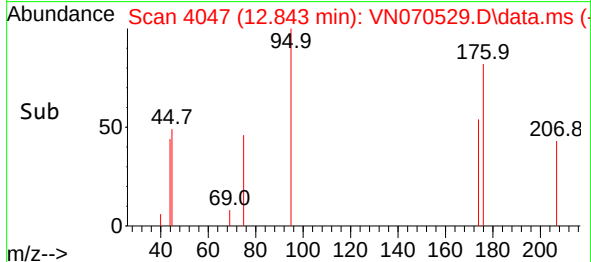
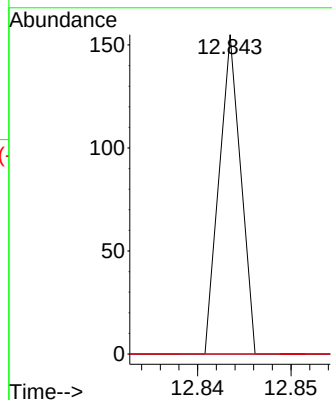
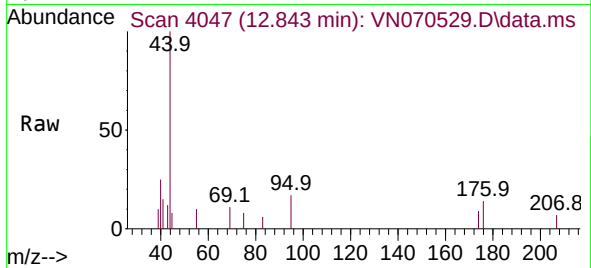




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.449 ug/l
 RT: 12.843 min Scan# 4040
 Delta R.T. 0.018 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

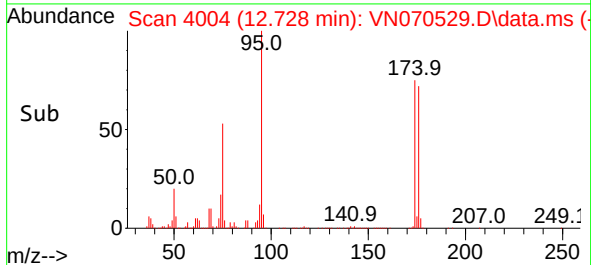
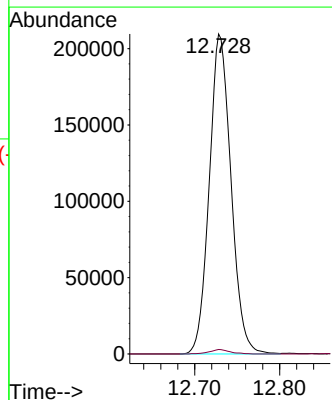
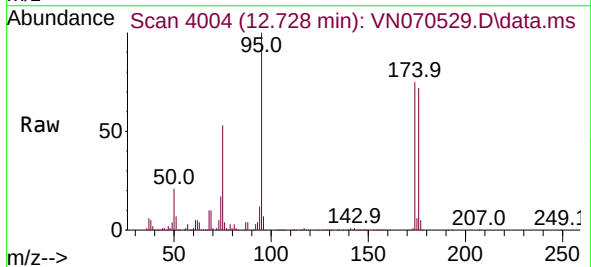
Instrument :
 MSVOA_N
 ClientSampleId :

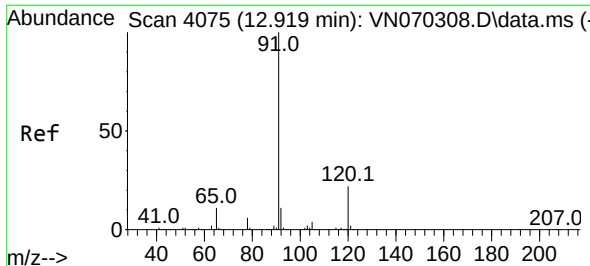
Tgt Ion: 83 Resp: 25
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 26.990 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. -0.150 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

Tgt Ion: 75 Resp: 371998
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.6 247.8#

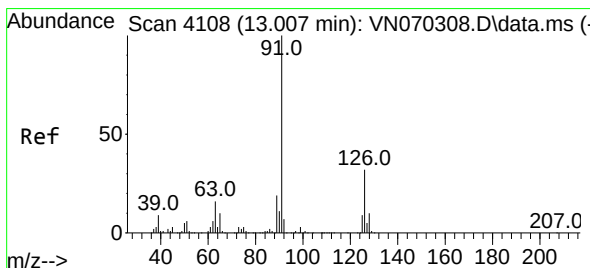
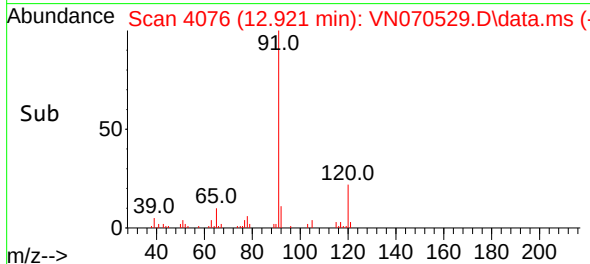
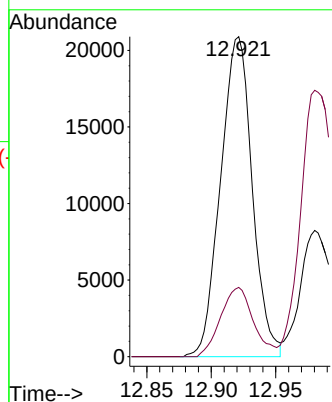
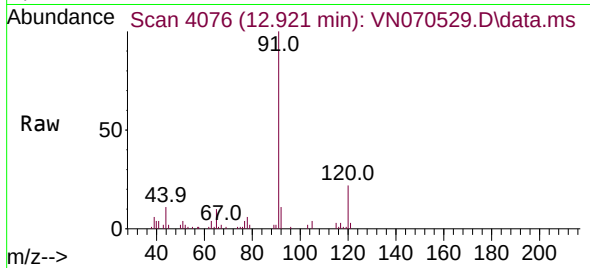




#78
n-propylbenzene
Concen: 0.709 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

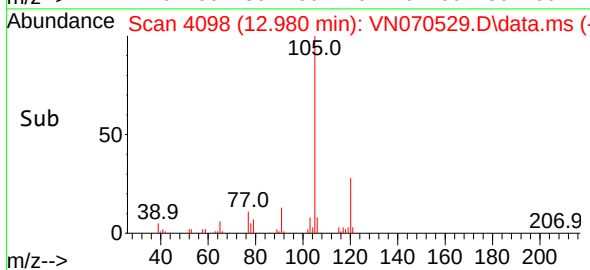
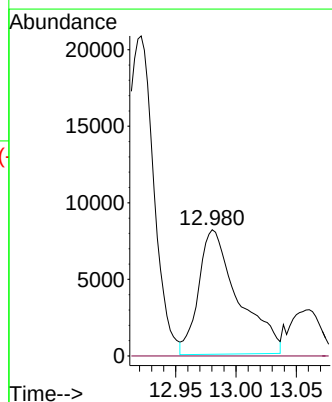
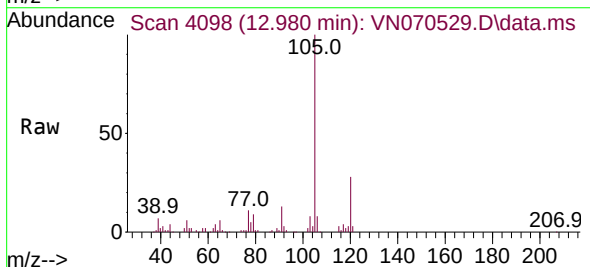
Instrument :
MSVOA_N
ClientSampleId :

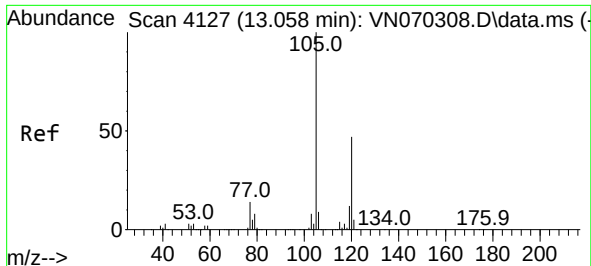
Tgt Ion: 91 Resp: 35727
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.9



#79
2-Chlorotoluene
Concen: 0.577 ug/l
RT: 12.980 min Scan# 4098
Delta R.T. -0.027 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion: 91 Resp: 18661
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#

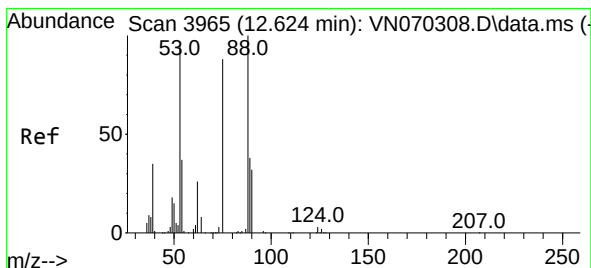
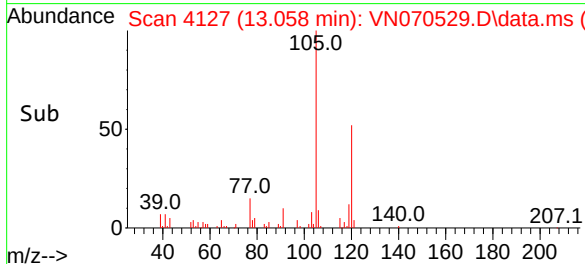
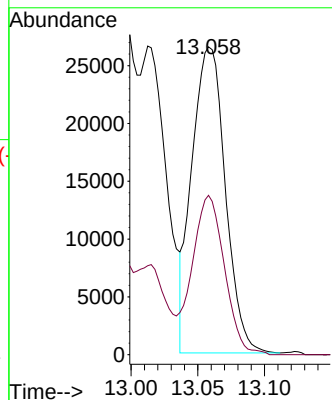
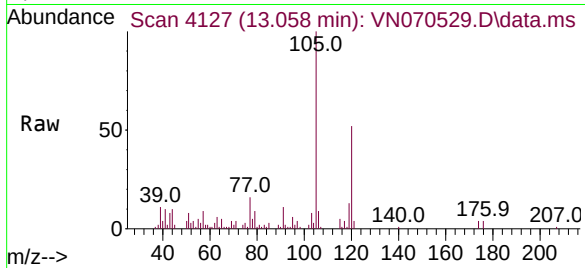




#80
 1,3,5-Trimethylbenzene
 Concen: 1.265 ug/l
 RT: 13.058 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

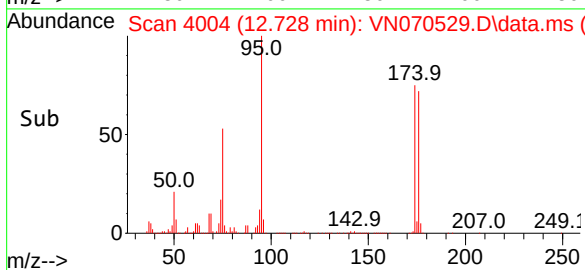
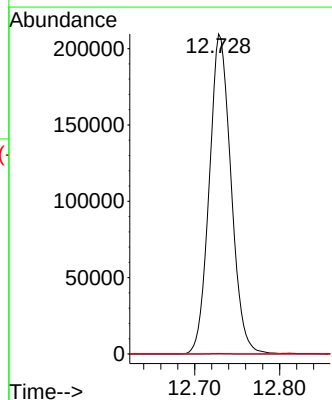
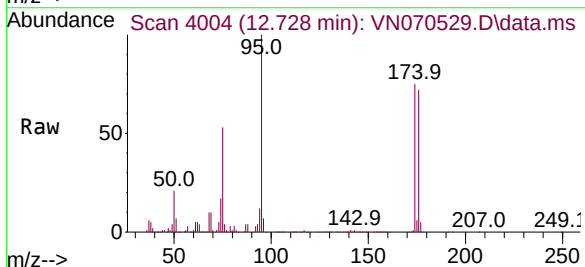
Instrument :
 MSVOA_N
 ClientSampleId :

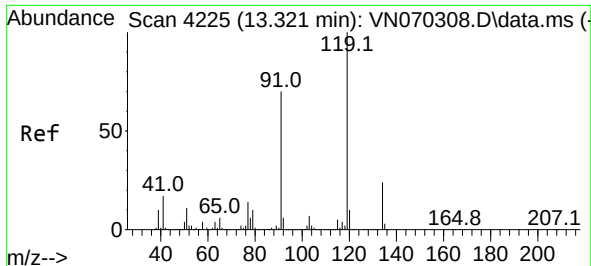
Tgt Ion:105 Resp: 46104
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.809 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. 0.104 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

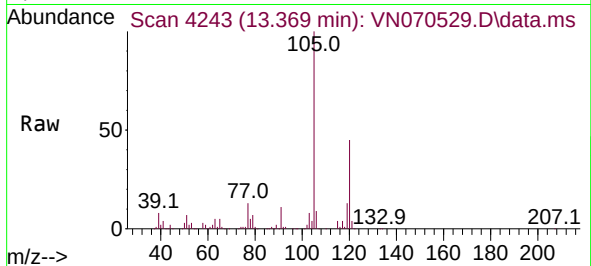
Tgt Ion: 75 Resp: 371998
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



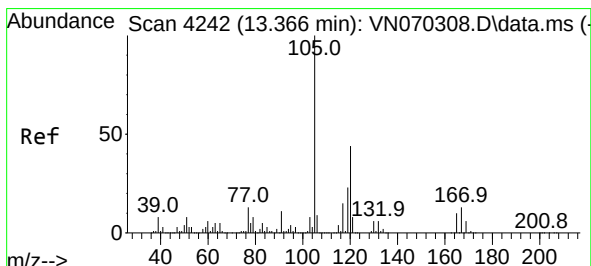
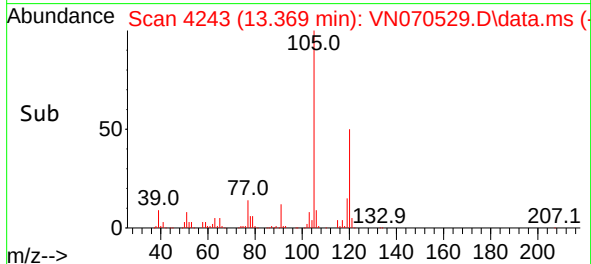
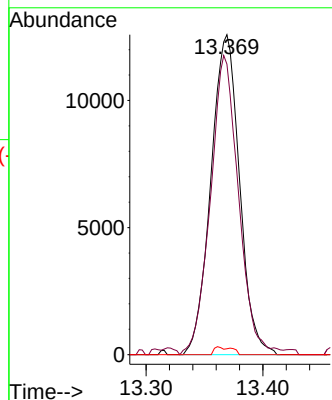


#83
 tert-Butylbenzene
 Concen: 0.668 ug/l
 RT: 13.369 min Scan# 4243
 Delta R.T. 0.048 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

Instrument :
 MSVOA_N
 ClientSampleId :

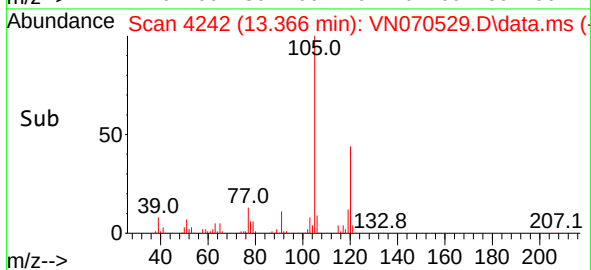
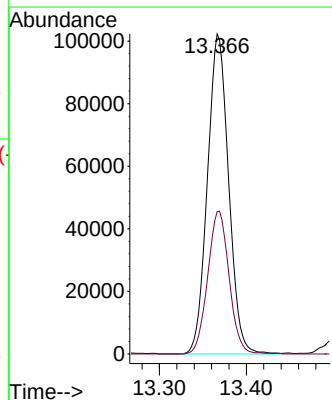
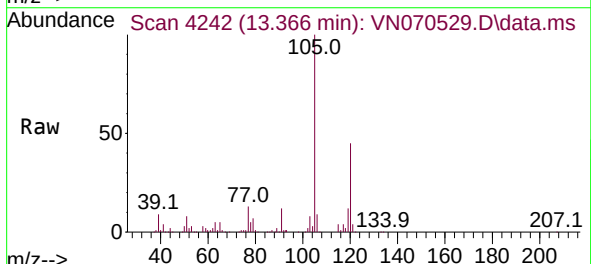


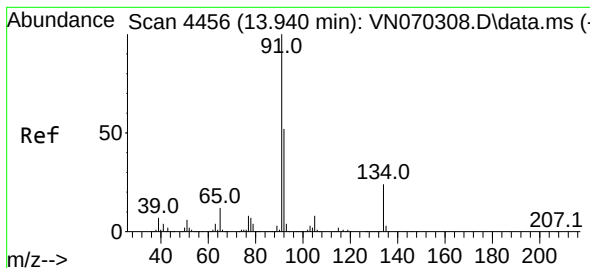
Tgt Ion:119 Resp: 21449
 Ion Ratio Lower Upper
 119 100
 91 92.0 31.5 94.5
 134 0.8 12.4 37.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 4.938 ug/l
 RT: 13.366 min Scan# 4242
 Delta R.T. 0.000 min
 Lab File: VN070529.D
 Acq: 6 Jan 2022 19:24

Tgt Ion:105 Resp: 173268
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.4





#89

n-Butylbenzene

Concen: 0.253 ug/l

RT: 13.938 min Scan# 4456

Delta R.T. -0.002 min

Lab File: VN070529.D

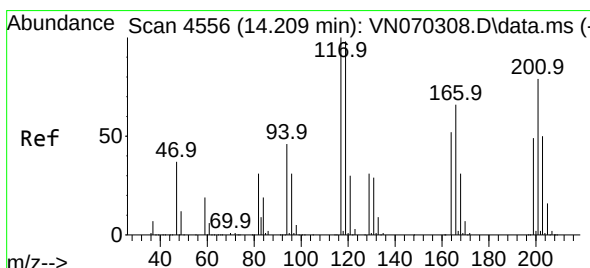
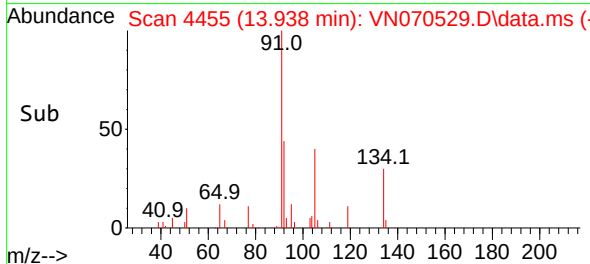
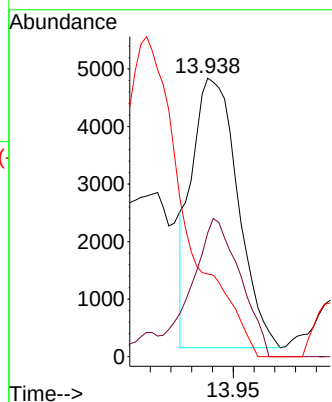
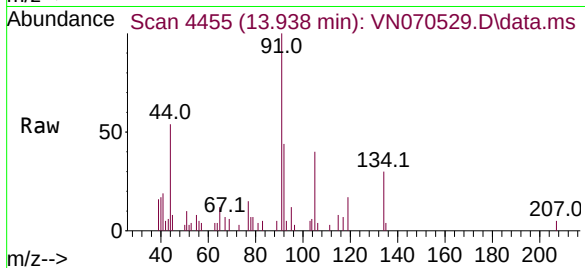
Acq: 6 Jan 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 7213
Ion Ratio	Lower Upper
91	100
92	54.4 25.4 76.0
134	0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 0.479 ug/l

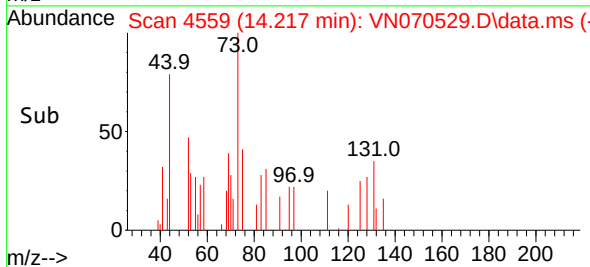
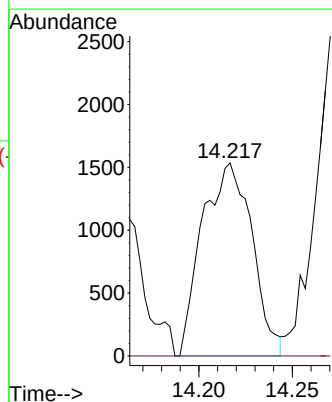
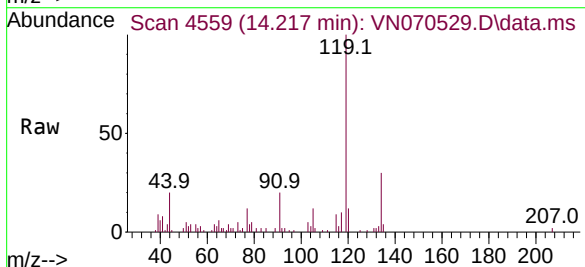
RT: 14.217 min Scan# 4559

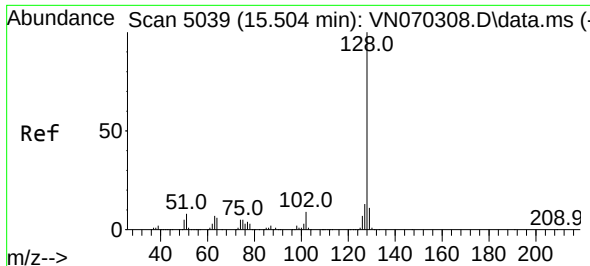
Delta R.T. 0.008 min

Lab File: VN070529.D

Acq: 6 Jan 2022 19:24

Tgt Ion: 117	Resp: 2846
Ion Ratio	Lower Upper
117	100
201	0.0 43.9 131.6#

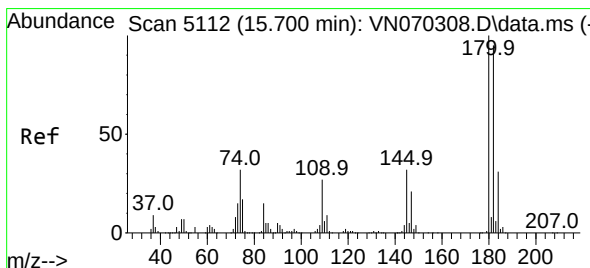
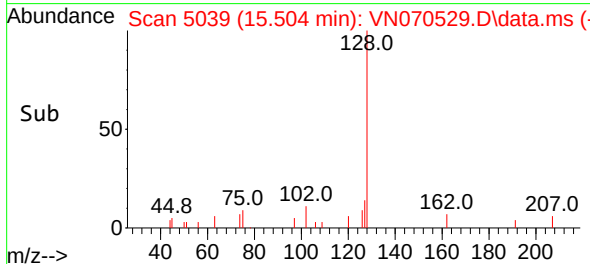
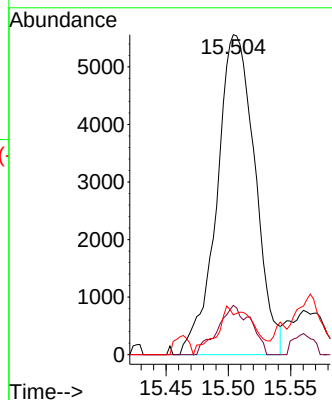
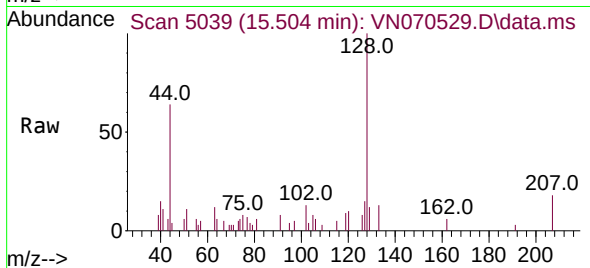




#95
Naphthalene
Concen: 2.308 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 11835
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 6.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.832 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070529.D
Acq: 6 Jan 2022 19:24

Tgt Ion:180 Resp: 50
Ion Ratio Lower Upper
180 100
182 116.0 47.4 142.2
145 0.0 15.0 45.1#

