

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070703.D
 Acq On : 19 Jan 2022 16:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 20 03:40:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

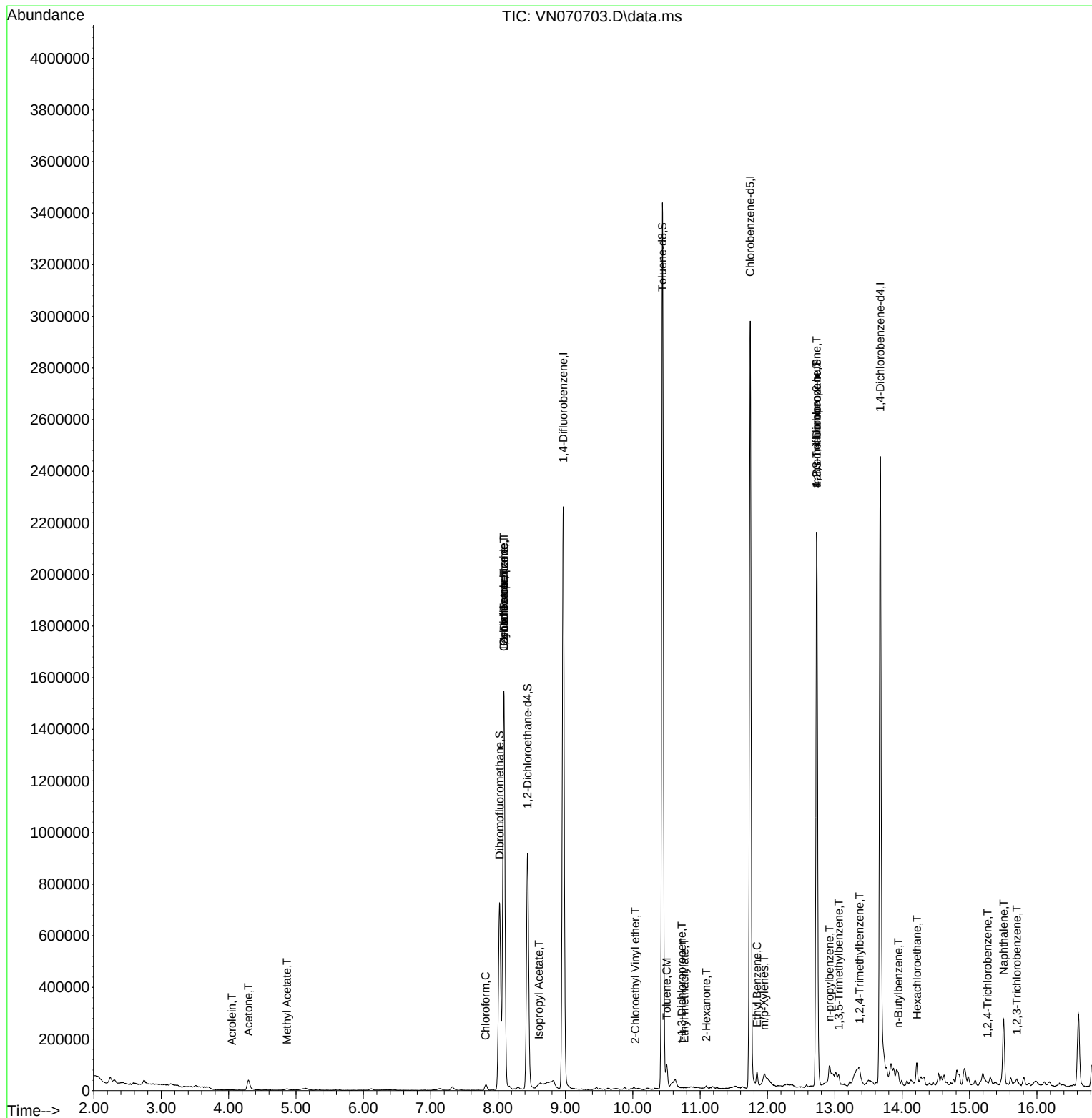
Internal Standards						
1) Pentafluorobenzene	8.086	168	1193938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1931535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1715887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	676115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	771319	45.077	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.160%		
35) Dibromofluoromethane	8.024	113	544418	45.439	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.880%		
50) Toluene-d8	10.440	98	2368083	46.917	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.840%		
62) 4-Bromofluorobenzene	12.731	95	801760	44.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.160%		
Target Compounds					Qvalue	
13) Acrolein	4.046	56	1574	0.356	ug/l #	32
16) Acetone	4.293	43	73138	6.158	ug/l	96
18) Methyl Acetate	4.867	43	8192	0.351	ug/l #	71
30) Chloroform	7.815	83	20855	0.245	ug/l	98
31) Cyclohexane	8.086	56	28454	0.944	ug/l #	4
36) 1,1-Dichloropropene	8.088	75	97359	4.827	ug/l #	48
38) Carbon Tetrachloride	8.088	117	118044	6.579	ug/l #	16
43) Isopropyl Acetate	8.609	43	13956	0.341	ug/l #	55
52) Toluene	10.505	92	30542	0.817	ug/l	98
53) t-1,3-Dichloropropene	10.727	75	155	2.410	ug/l #	43
56) Ethyl methacrylate	10.765	69	387	2.315	ug/l #	62
58) 2-Chloroethyl Vinyl ether	10.035	63	24	21.240	ug/l #	45
59) 2-Hexanone	11.092	43	4734	0.250	ug/l	84
67) Ethyl Benzene	11.846	91	40450	0.587	ug/l	93
68) m/p-Xylenes	11.953	106	6889	0.275	ug/l	97
76) 1,2,3-Trichloropropane	12.731	75	414612	23.121	ug/l #	1
78) n-propylbenzene	12.921	91	41737	0.583	ug/l	99
80) 1,3,5-Trimethylbenzene	13.058	105	11670	0.226	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.731	75	414612	68.881	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	10713	0.215	ug/l	90
89) n-Butylbenzene	13.943	91	27152	0.684	ug/l #	72
90) Hexachloroethane	14.219	117	4109	0.489	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	2808	3.635	ug/l	89
95) Naphthalene	15.507	128	235086	10.990	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	3011	3.452	ug/l #	83

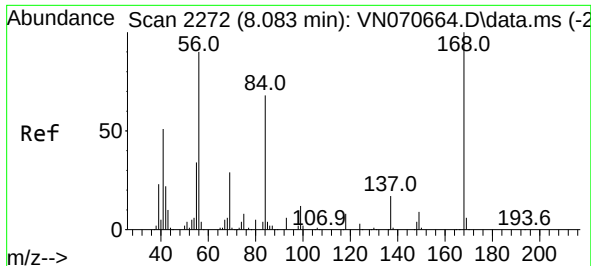
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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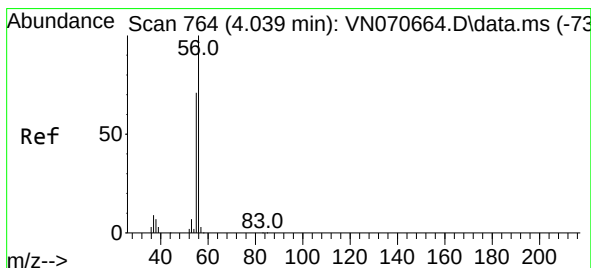
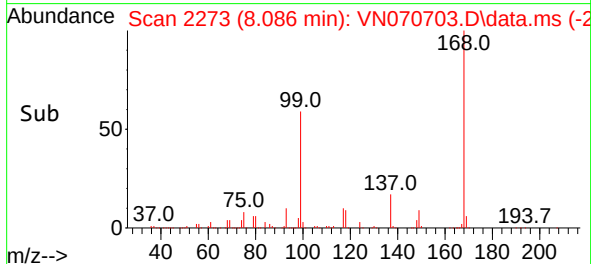
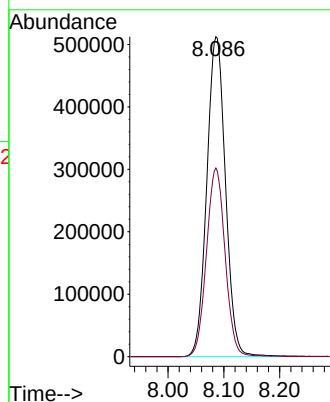
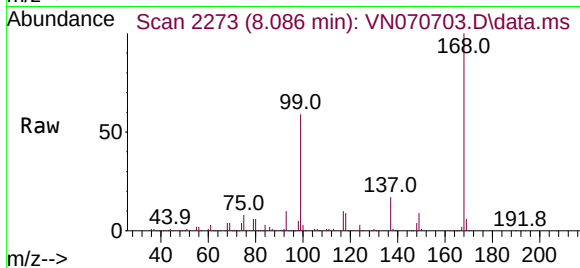




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

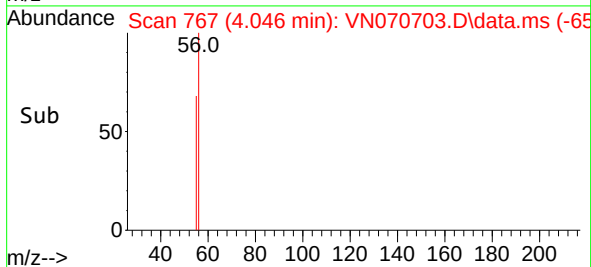
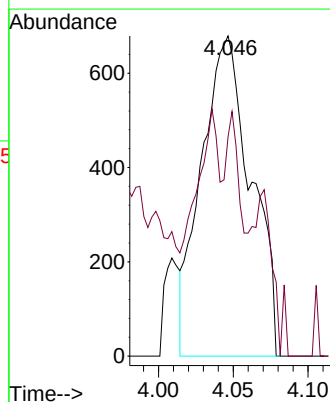
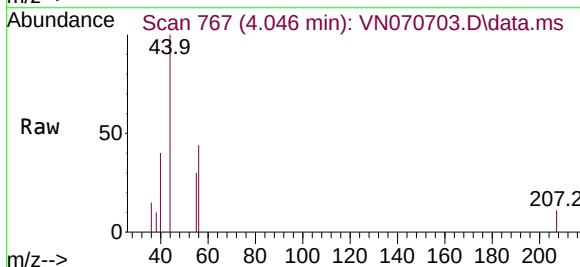
Instrument :
MSVOA_N
ClientSampleId :

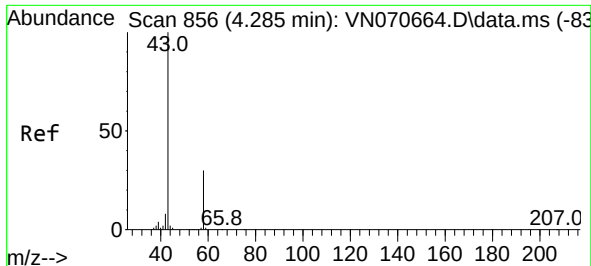
Tgt Ion:168 Resp: 1193938
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#13
Acrolein
Concen: 0.356 ug/l
RT: 4.046 min Scan# 767
Delta R.T. 0.007 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 56 Resp: 1574
Ion Ratio Lower Upper
56 100
55 15.1 56.6 85.0#

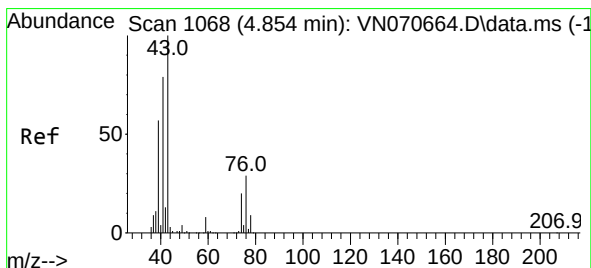
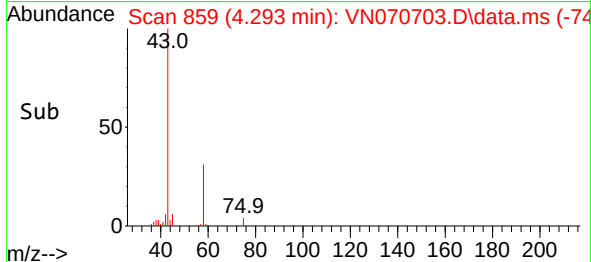
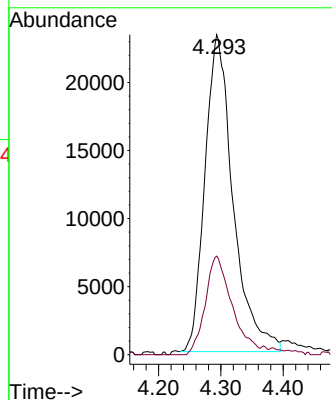
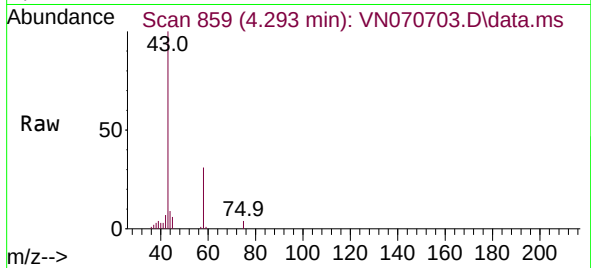




#16
Acetone
Concen: 6.158 ug/l
RT: 4.293 min Scan# 856
Delta R.T. 0.008 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

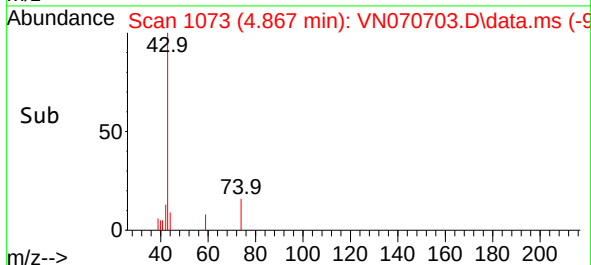
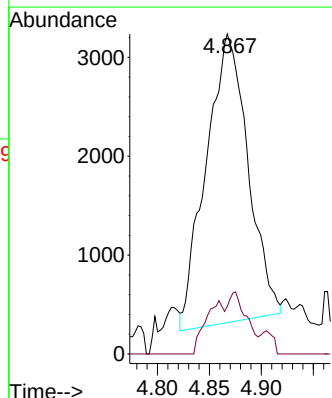
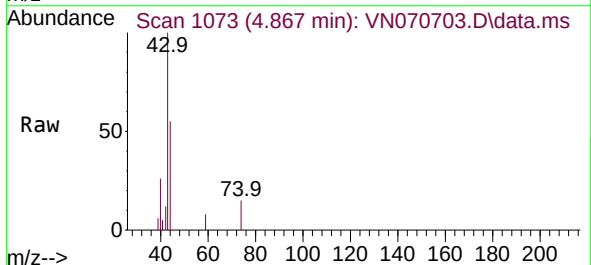
Instrument :
MSVOA_N
ClientSampleId :

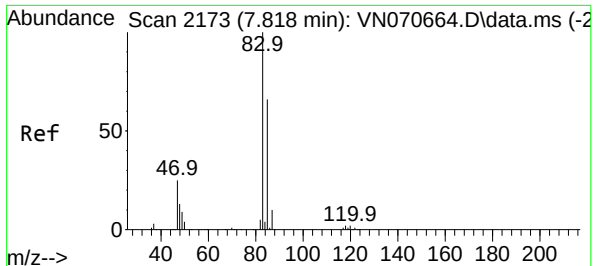
Tgt Ion: 43 Resp: 73138
Ion Ratio Lower Upper
43 100
58 31.1 23.1 34.7



#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 43 Resp: 8192
Ion Ratio Lower Upper
43 100
74 9.9 19.4 29.2#





#30

Chloroform

Concen: 0.245 ug/l

RT: 7.815 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

Instrument :

MSVOA_N

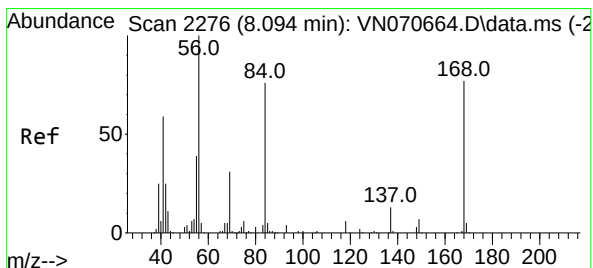
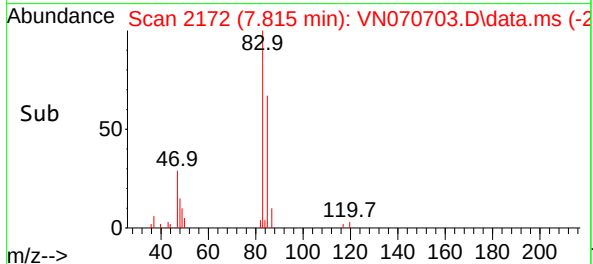
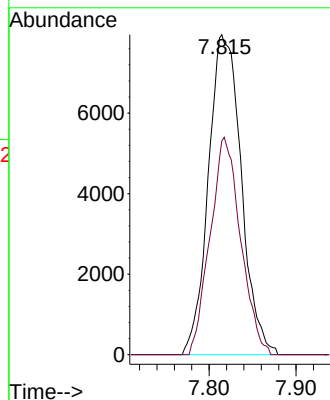
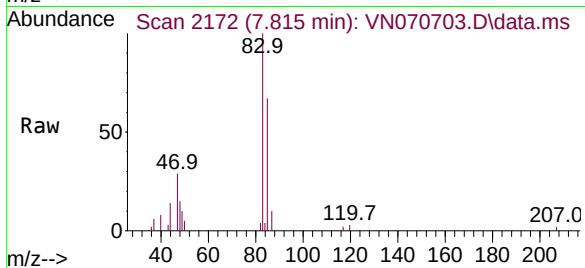
ClientSampleId :

Tgt Ion: 83 Resp: 20855

Ion Ratio Lower Upper

83 100

85 66.8 51.9 77.9



#31

Cyclohexane

Concen: 0.944 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

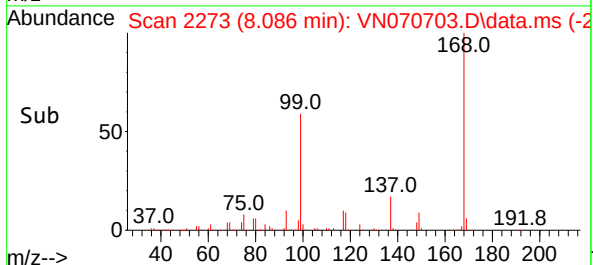
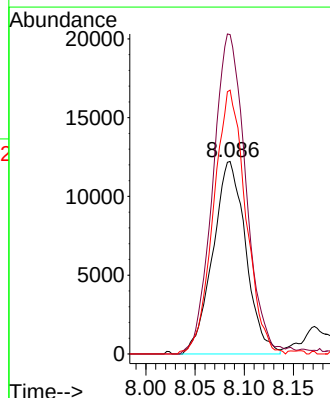
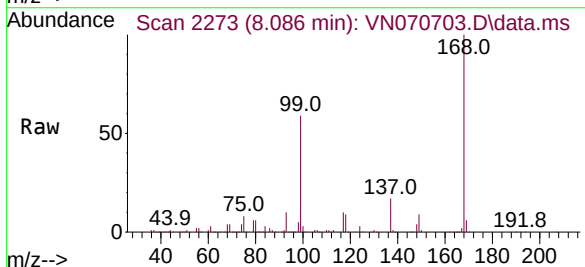
Tgt Ion: 56 Resp: 28454

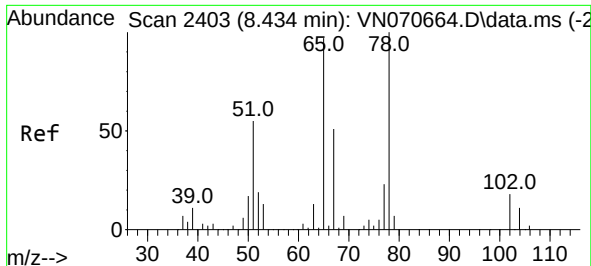
Ion Ratio Lower Upper

56 100

69 166.0 27.1 40.7#

84 135.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.077 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

Instrument :

MSVOA_N

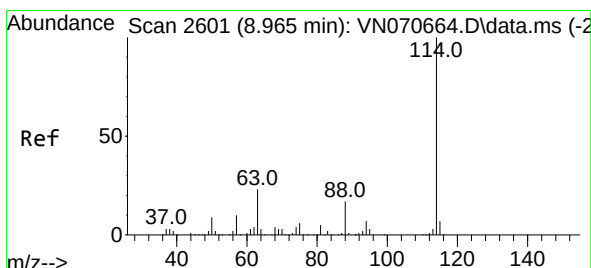
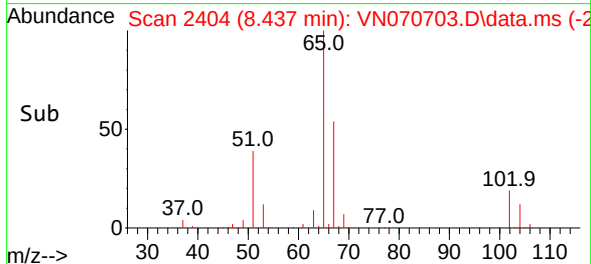
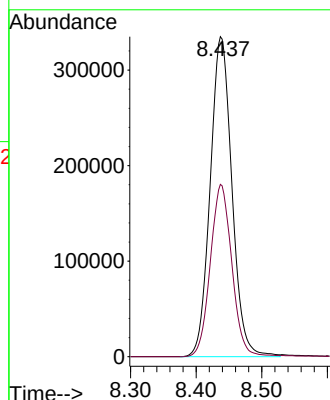
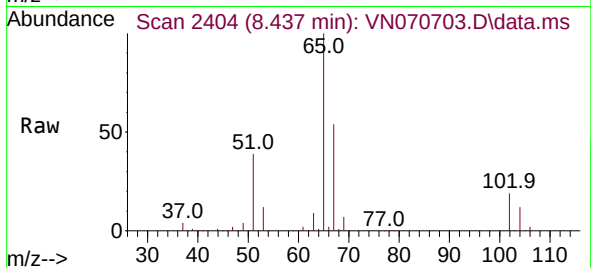
ClientSampleId :

Tgt Ion: 65 Resp: 771319

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

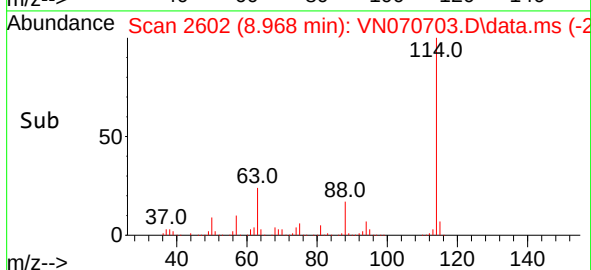
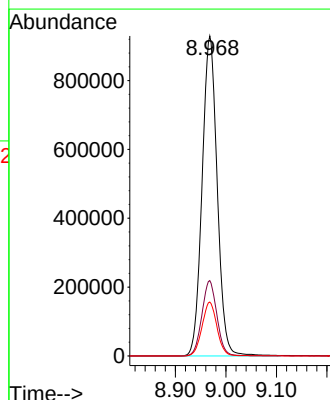
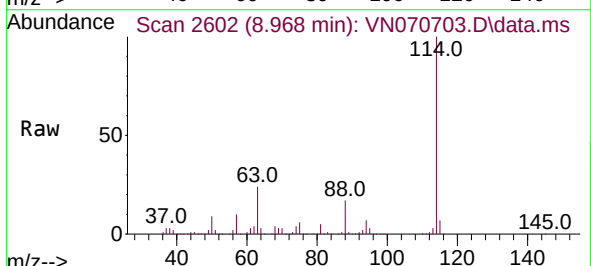
Tgt Ion: 114 Resp: 1931535

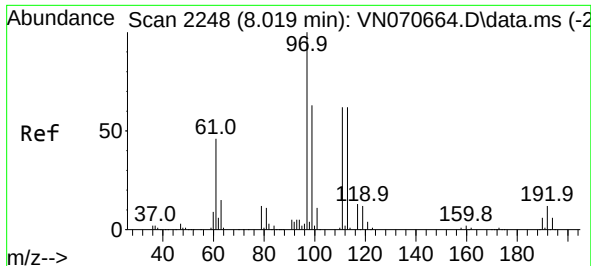
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 45.439 ug/l

RT: 8.024 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :

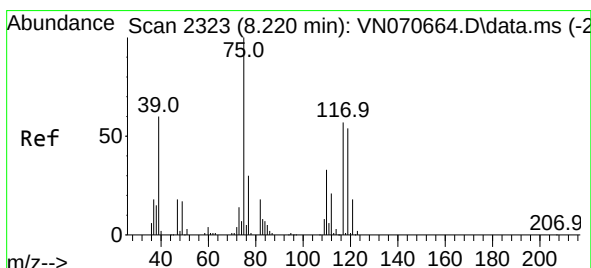
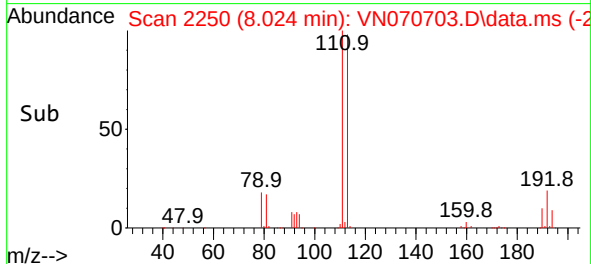
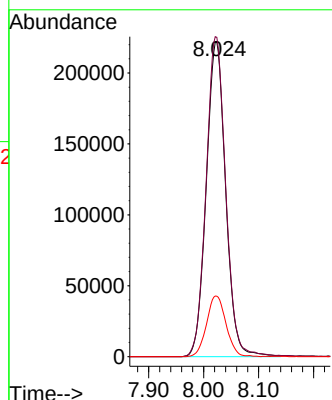
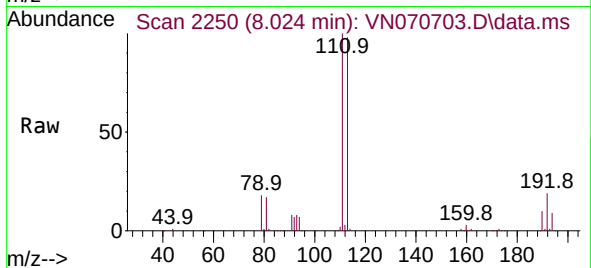
Tgt Ion:113 Resp: 544418

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.132 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

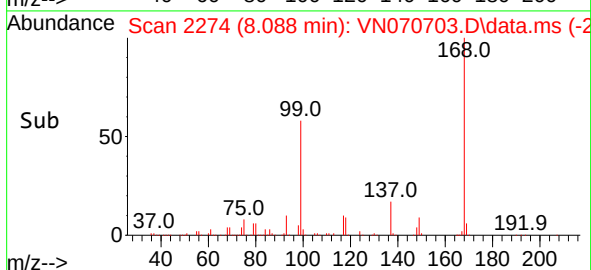
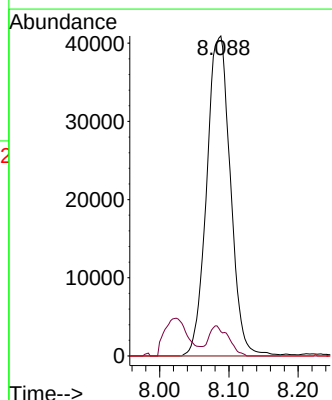
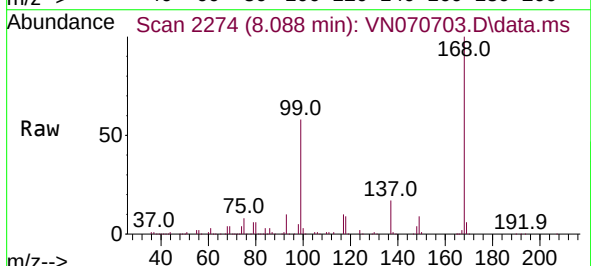
Tgt Ion: 75 Resp: 97359

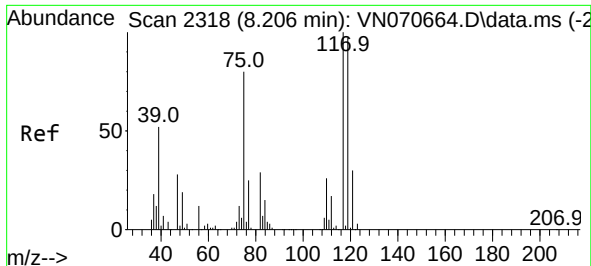
Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.2#

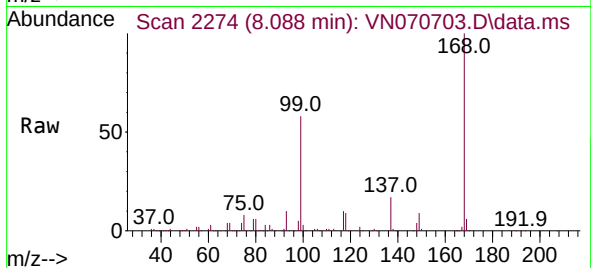
77 0.0 24.4 36.6#



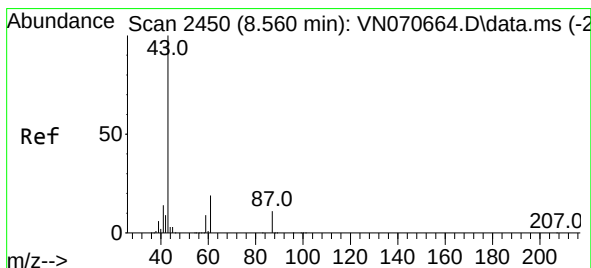
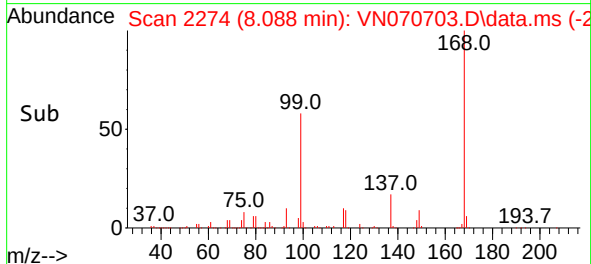
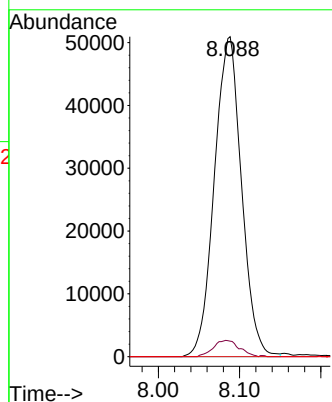


#38
Carbon Tetrachloride
Concen: 6.579 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

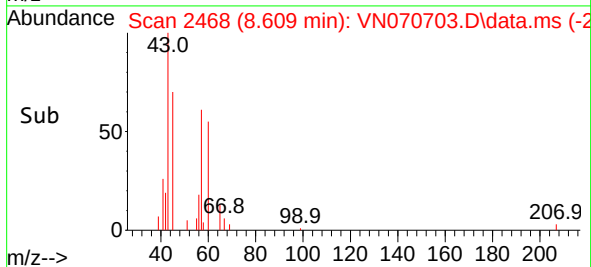
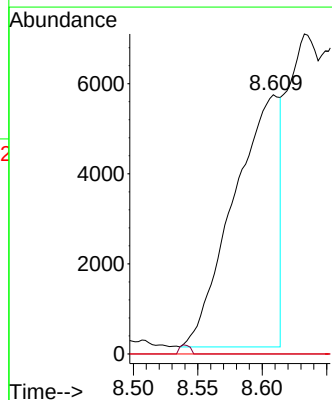
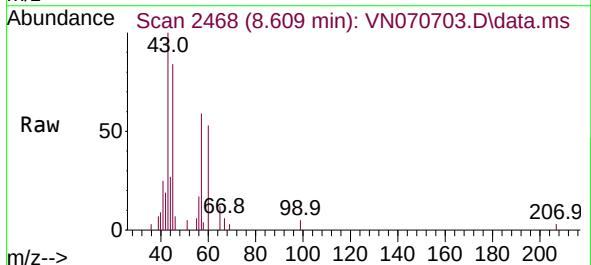


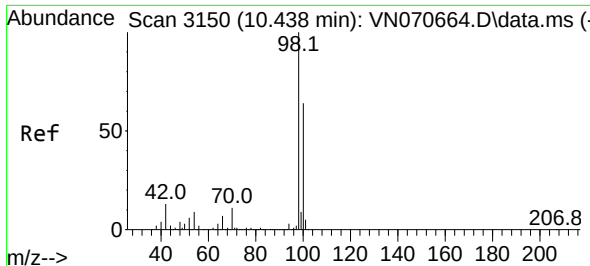
Tgt Ion:117 Resp: 118044
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.341 ug/l
RT: 8.609 min Scan# 2468
Delta R.T. 0.049 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 43 Resp: 13956
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

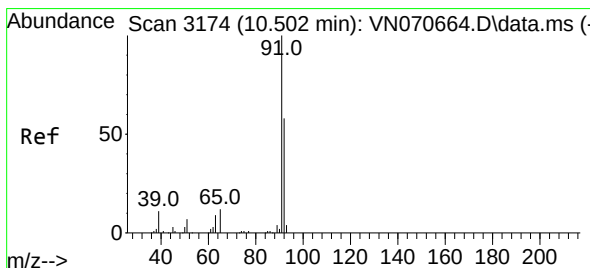
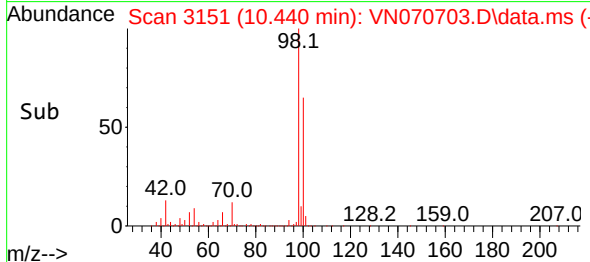
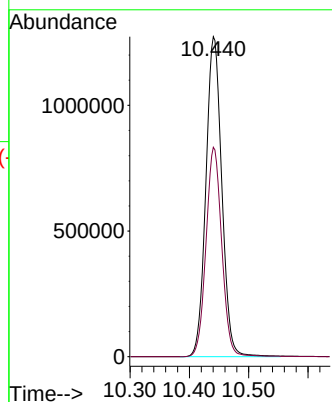
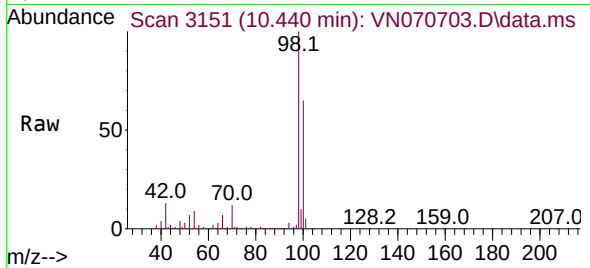




#50
Toluene-d8
Concen: 46.917 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

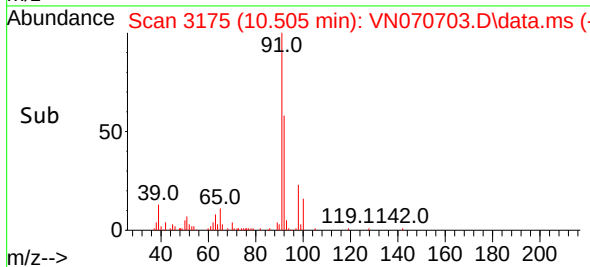
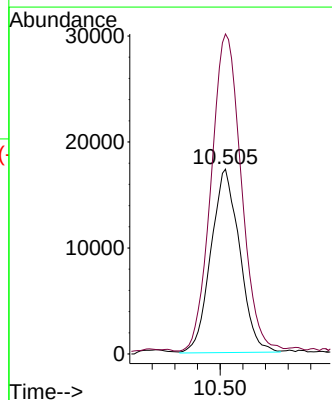
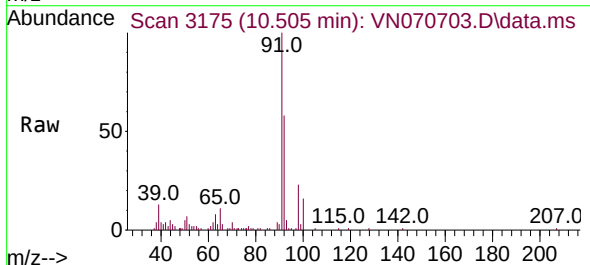
Instrument :
MSVOA_N
ClientSampleId :

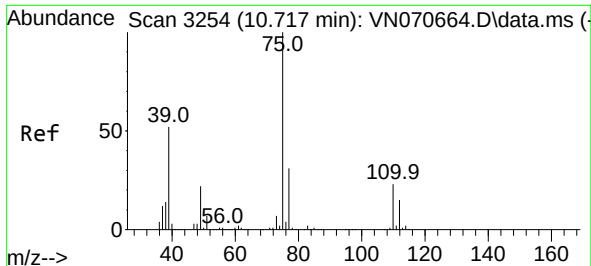
Tgt Ion: 98 Resp: 2368083
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6



#52
Toluene
Concen: 0.817 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 92 Resp: 30542
Ion Ratio Lower Upper
92 100
91 180.6 142.0 213.0

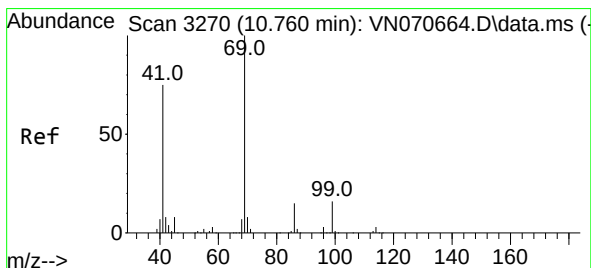
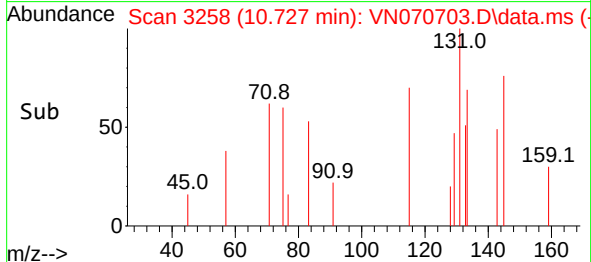
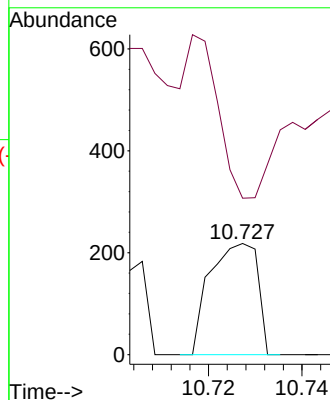
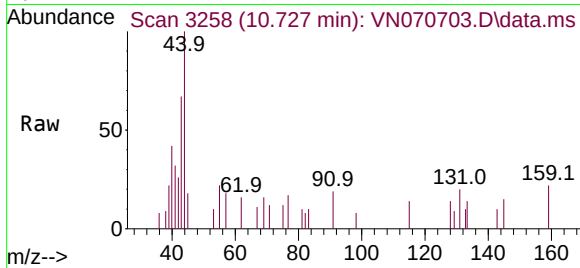




#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.727 min Scan# 31
Delta R.T. 0.010 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

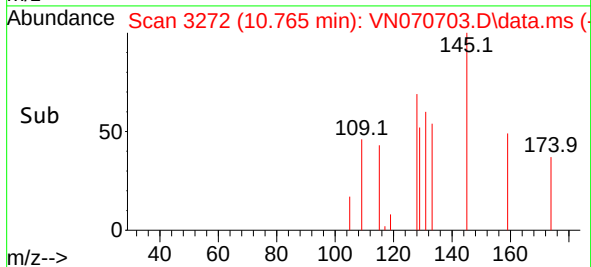
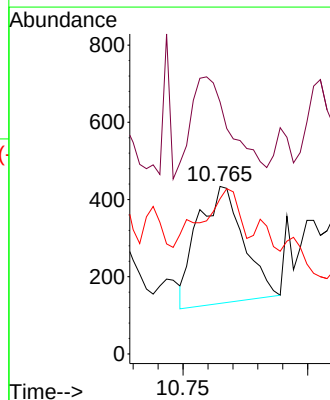
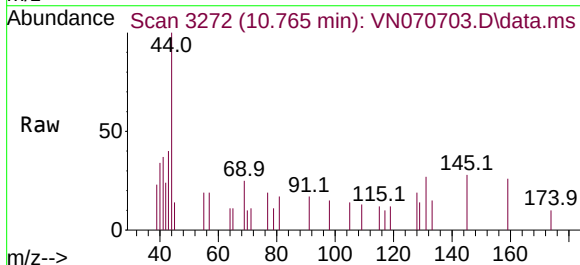
Instrument :
MSVOA_N
ClientSampleId :

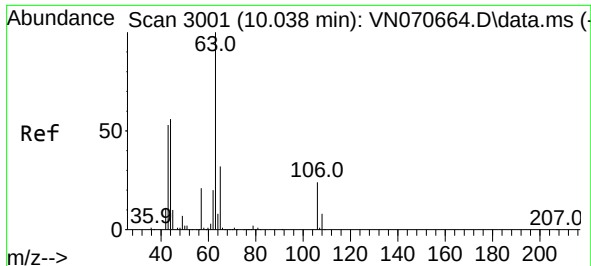
Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#56
Ethyl methacrylate
Concen: 2.315 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.005 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 69 Resp: 387
Ion Ratio Lower Upper
69 100
41 78.3 51.4 77.0#
39 0.0 34.6 52.0#

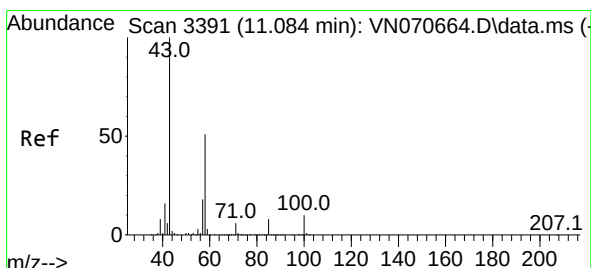
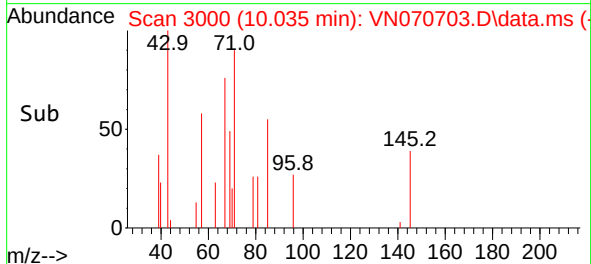
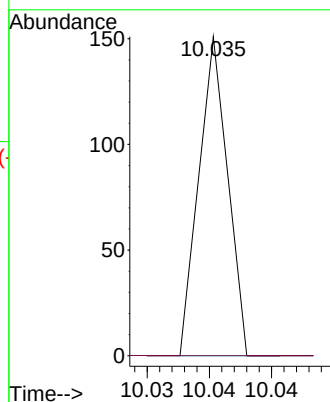
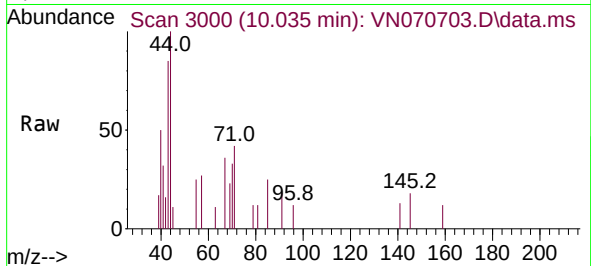




#58
2-Chloroethyl Vinyl ether
Concen: 21.240 ug/l
RT: 10.035 min Scan# 3000
Delta R.T. -0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

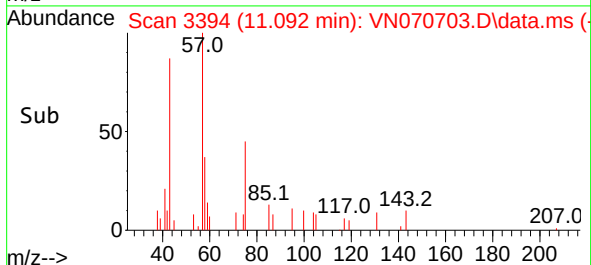
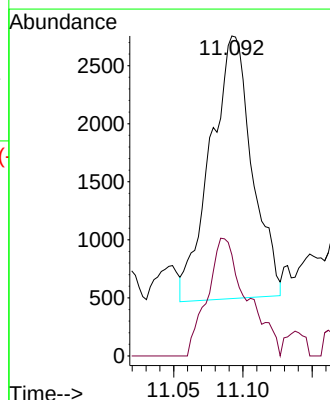
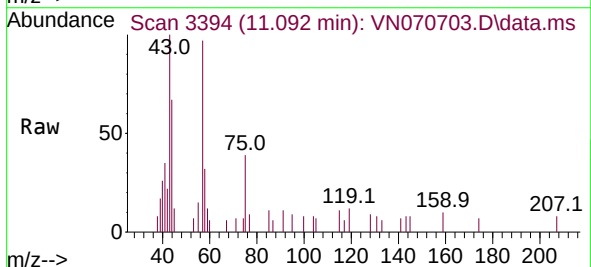
Instrument :
MSVOA_N
ClientSampleId :

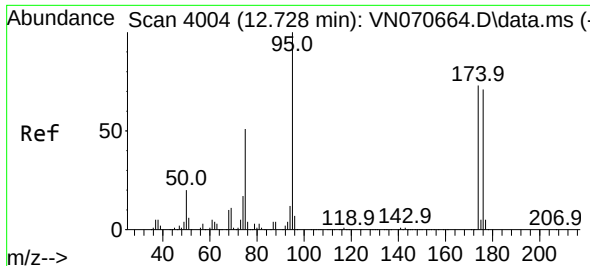
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.250 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
58 42.6 26.9 80.7

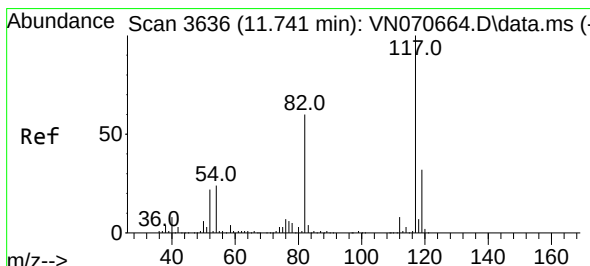
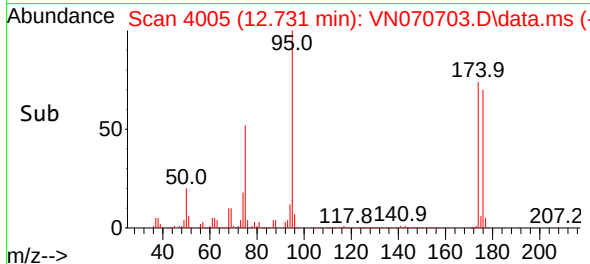
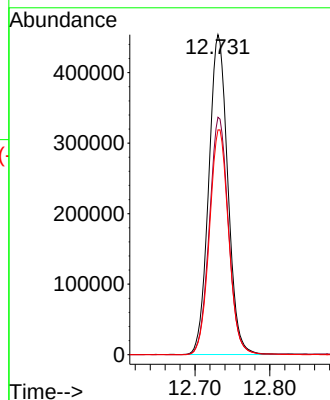
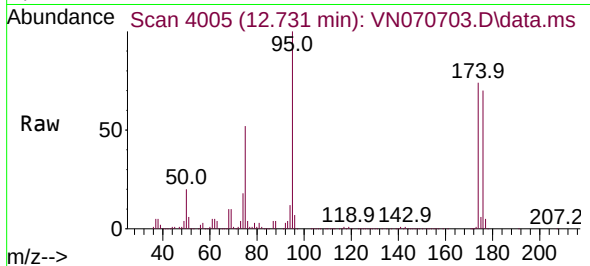




#62
4-Bromofluorobenzene
Concen: 44.576 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

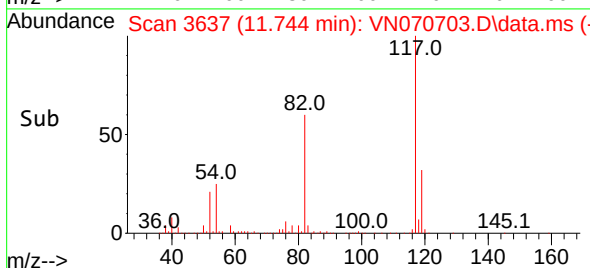
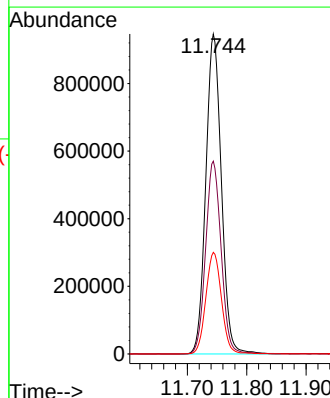
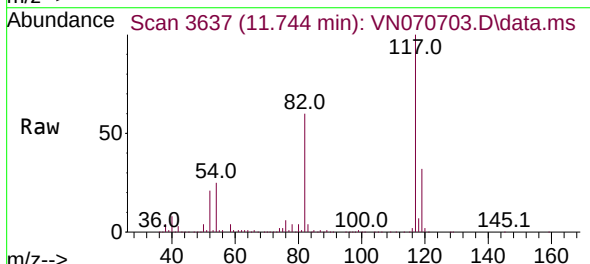
Instrument :
MSVOA_N
ClientSampleId :

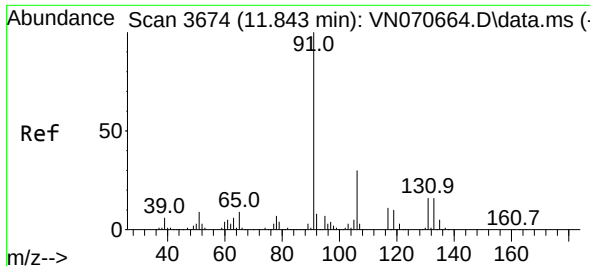
Tgt Ion: 95 Resp: 801760
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 71.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 117 Resp: 1715887
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 31.7 25.4 38.2

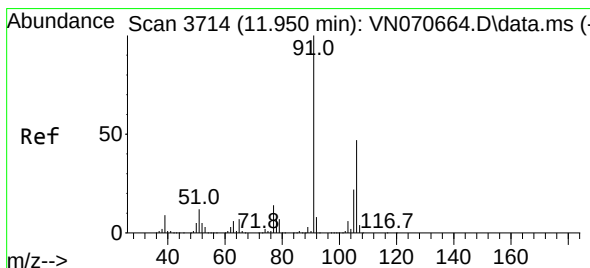
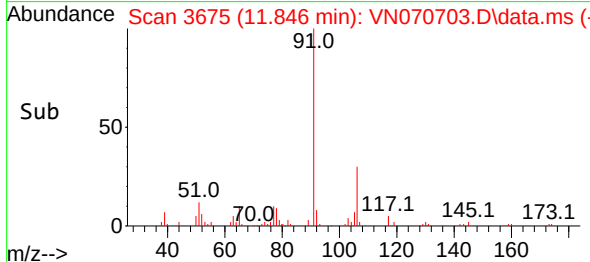
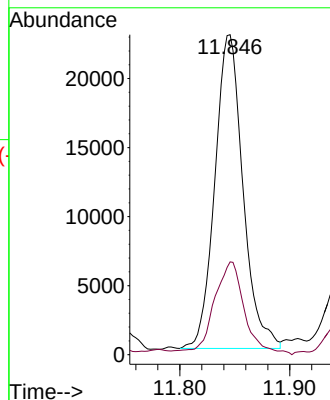
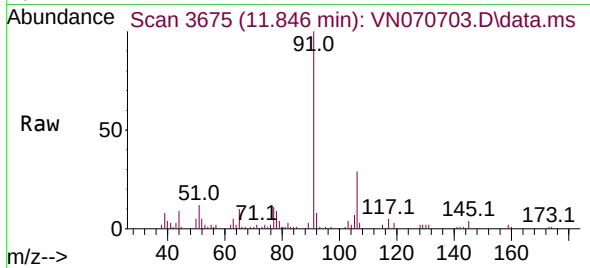




#67
Ethyl Benzene
Concen: 0.587 ug/l
RT: 11.846 min Scan# 3715
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

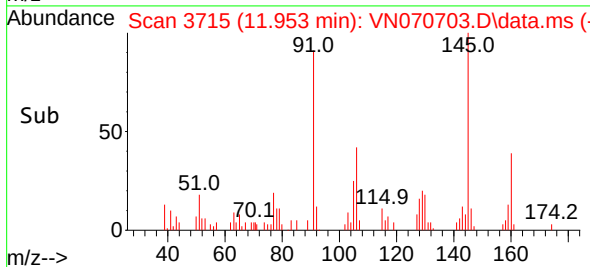
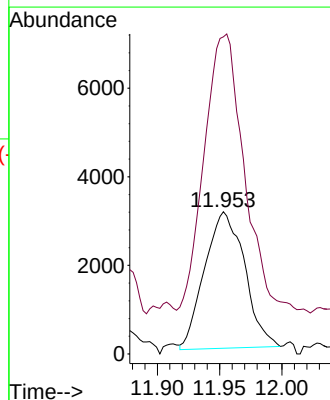
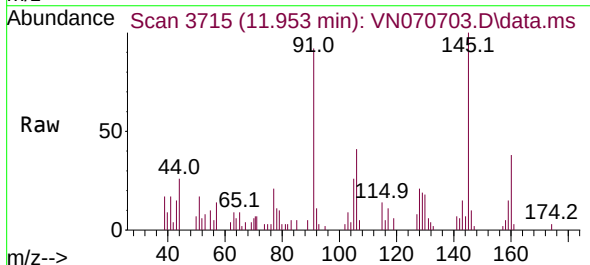
Instrument :
MSVOA_N
ClientSampleId :

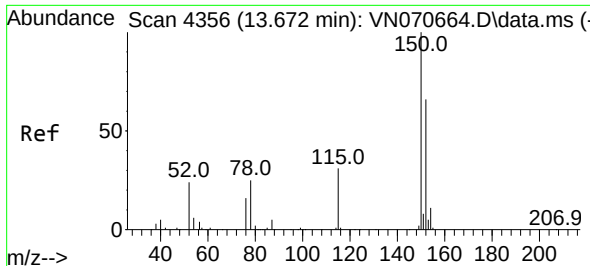
Tgt Ion: 91 Resp: 40450
Ion Ratio Lower Upper
91 100
106 28.4 25.7 38.5



#68
m/p-Xylenes
Concen: 0.275 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.003 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 106 Resp: 6889
Ion Ratio Lower Upper
106 100
91 205.4 160.6 240.8

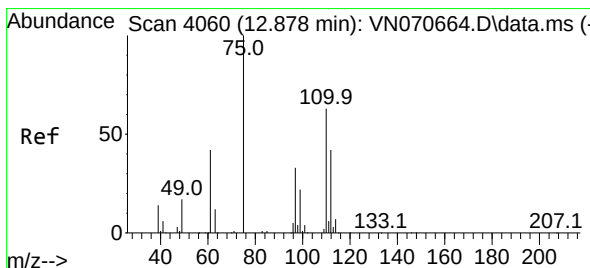
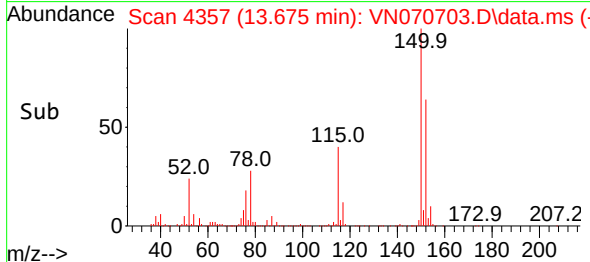
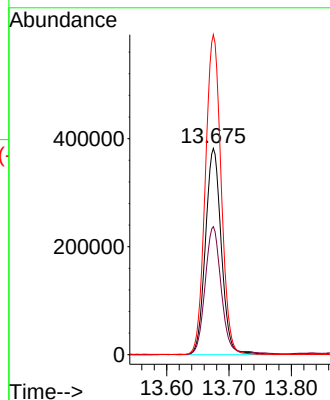
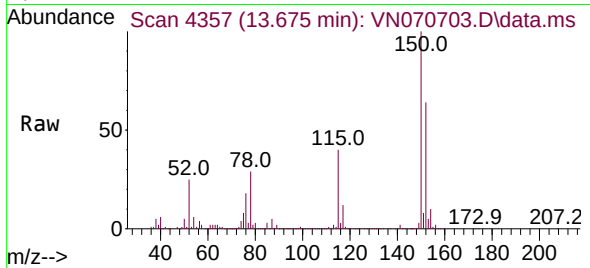




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070703.D
 Acq: 19 Jan 2022 16:37

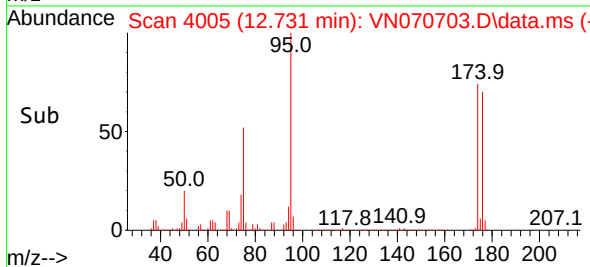
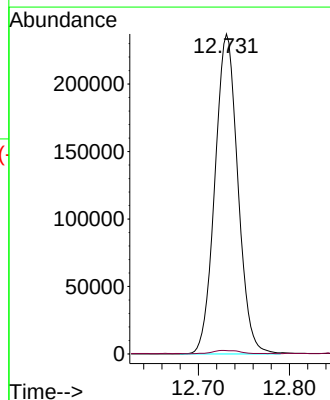
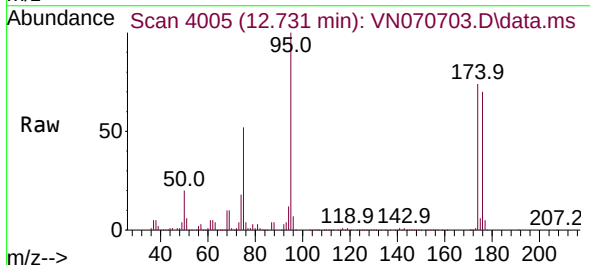
Instrument :
 MSVOA_N
 ClientSampleId :

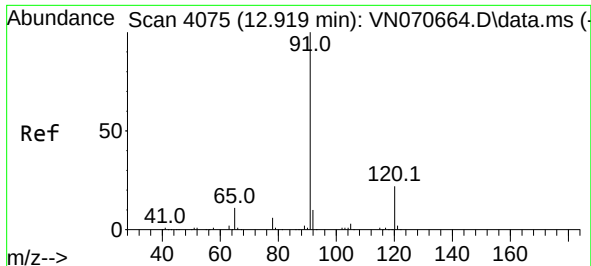
Tgt Ion:152 Resp: 676115
 Ion Ratio Lower Upper
 152 100
 115 63.9 27.5 82.5
 150 154.0 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.121 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070703.D
 Acq: 19 Jan 2022 16:37

Tgt Ion: 75 Resp: 414612
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

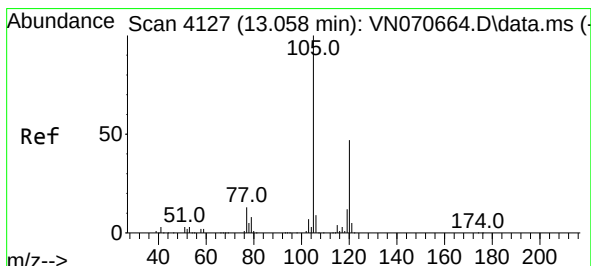
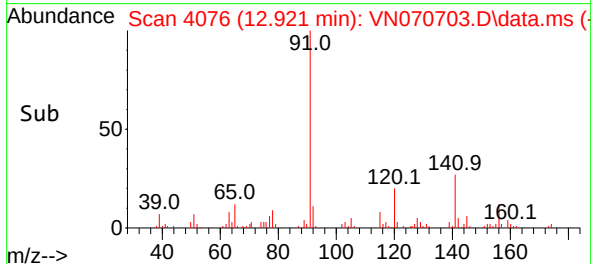
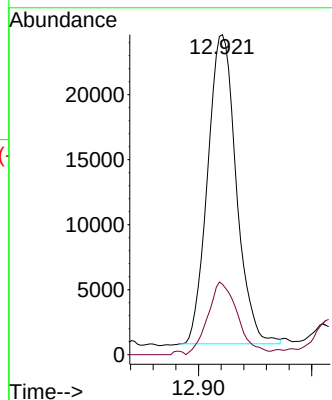
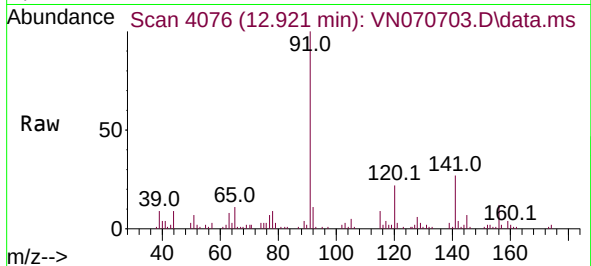




#78
n-propylbenzene
Concen: 0.583 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

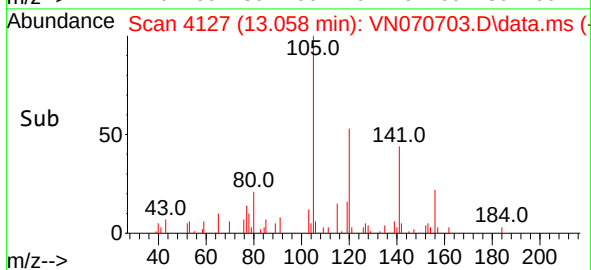
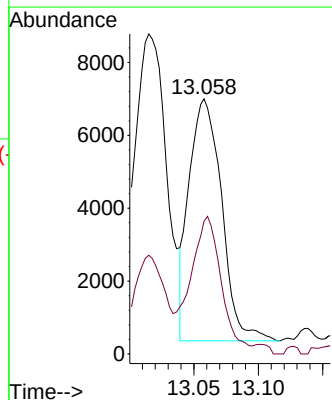
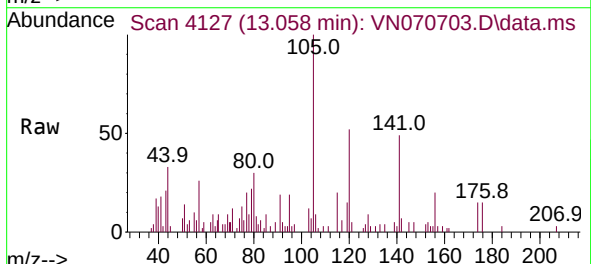
Instrument :
MSVOA_N
ClientSampleId :

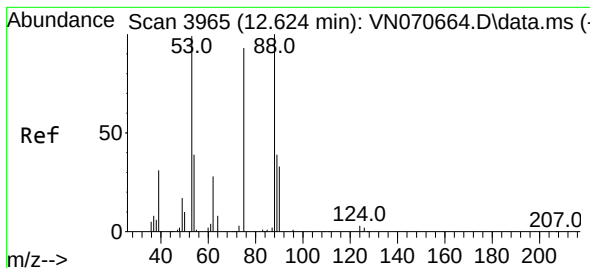
Tgt Ion: 91 Resp: 41737
Ion Ratio Lower Upper
91 100
120 24.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

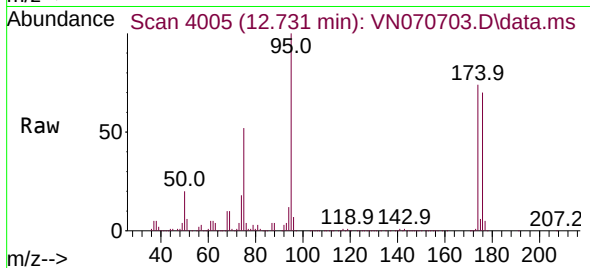
Tgt Ion: 105 Resp: 11670
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6



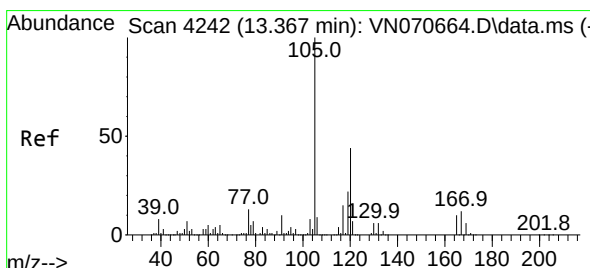
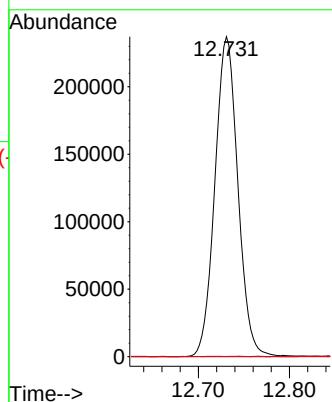
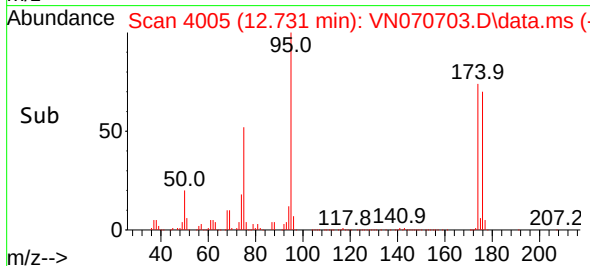


#81
trans-1,4-Dichloro-2-butene
Concen: 68.881 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

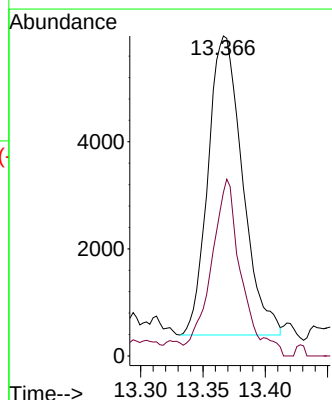
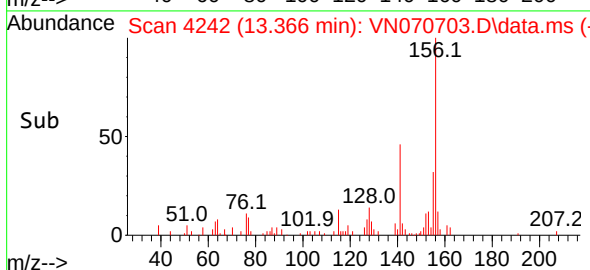
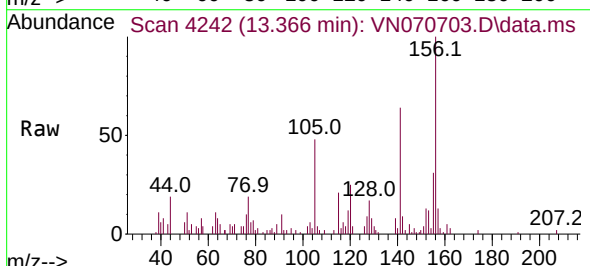


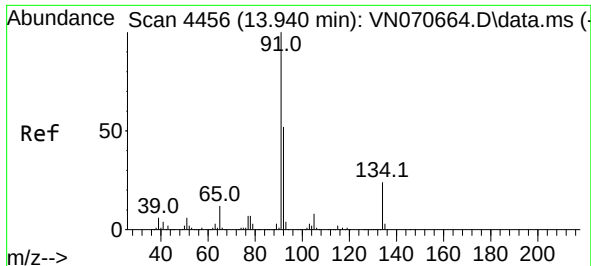
Tgt Ion: 75 Resp: 414612
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.215 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.001 min
Lab File: VN070703.D
Acq: 19 Jan 2022 16:37

Tgt Ion: 105 Resp: 10713
Ion Ratio Lower Upper
105 100
120 52.1 22.8 68.4





#89

n-Butylbenzene

Concen: 0.684 ug/l

RT: 13.943 min Scan# 4456

Delta R.T. 0.003 min

Lab File: VN070703.D

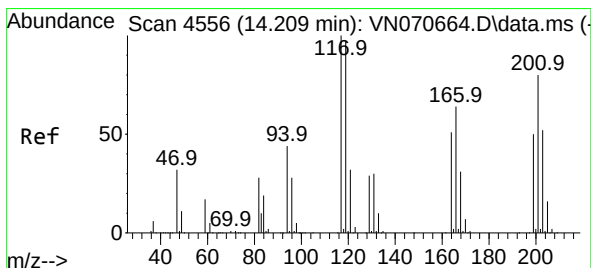
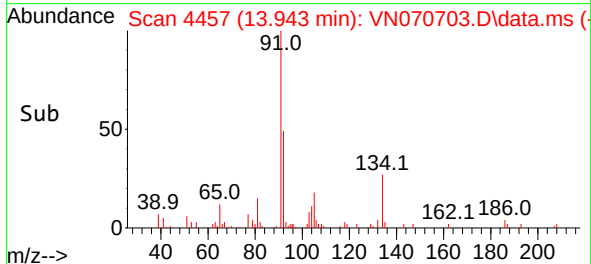
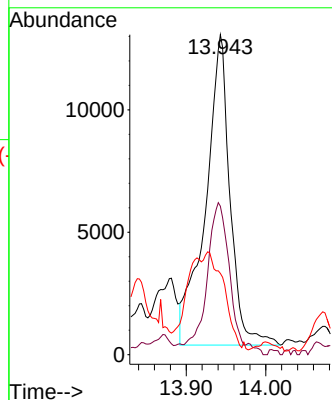
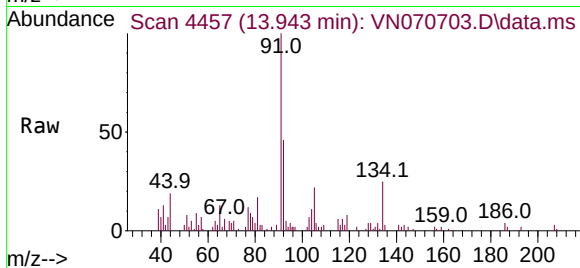
Acq: 19 Jan 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	27152
Ion	Ratio	Lower	Upper
91	100		
92	40.0	25.4	76.0
134	0.0	13.6	40.8#



#90

Hexachloroethane

Concen: 0.489 ug/l

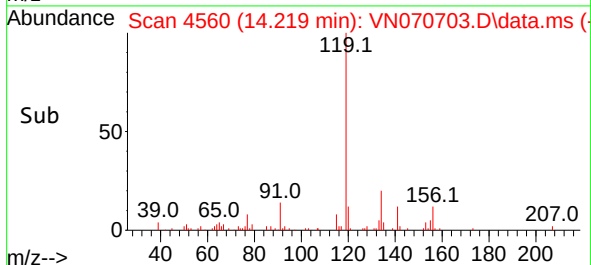
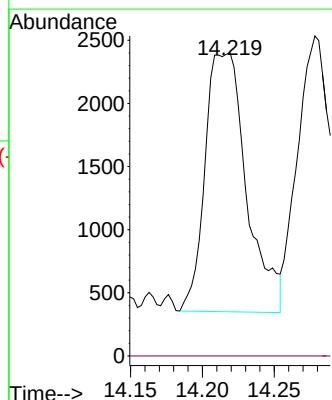
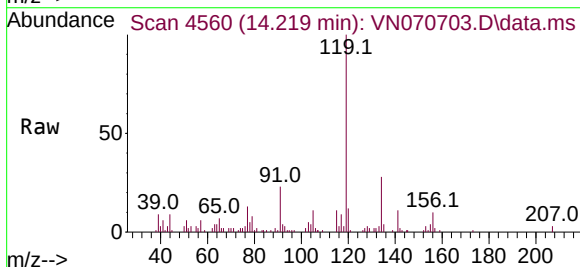
RT: 14.219 min Scan# 4560

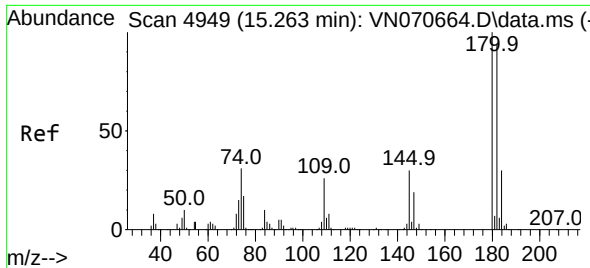
Delta R.T. 0.010 min

Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

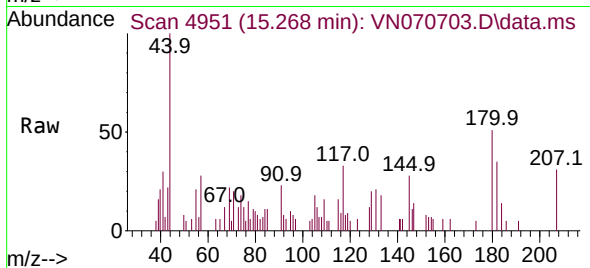
Tgt Ion:	117	Resp:	4109
Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.9	131.6#



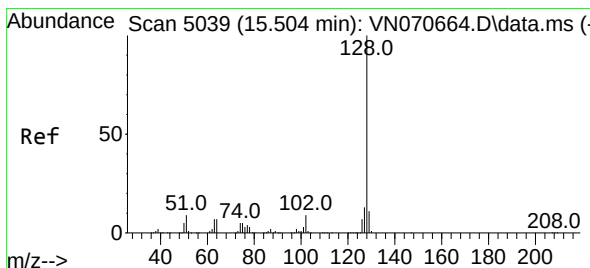
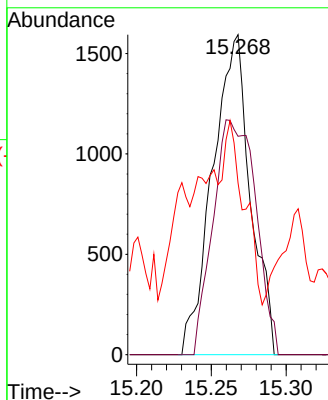
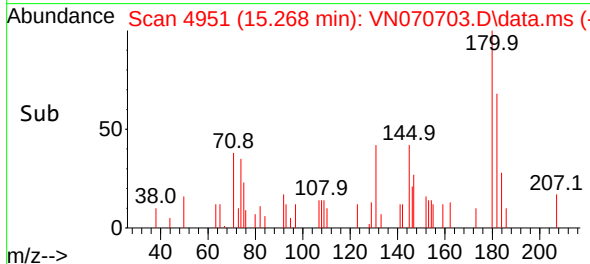


#93
 1,2,4-Trichlorobenzene
 Concen: 3.635 ug/l
 RT: 15.268 min Scan# 4949
 Delta R.T. 0.005 min
 Lab File: VN070703.D
 Acq: 19 Jan 2022 16:37

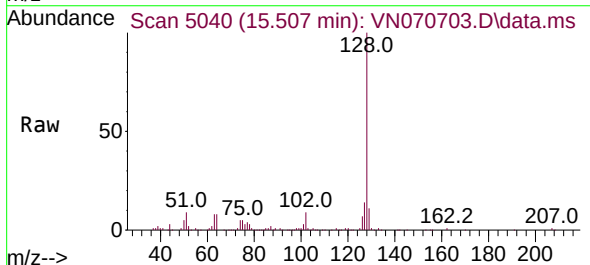
Instrument :
 MSVOA_N
 ClientSampleId :



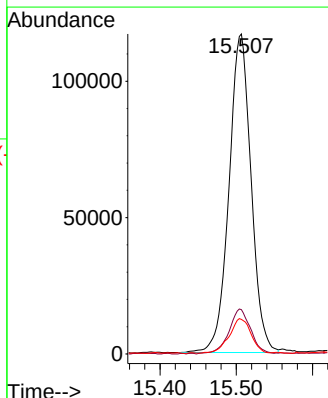
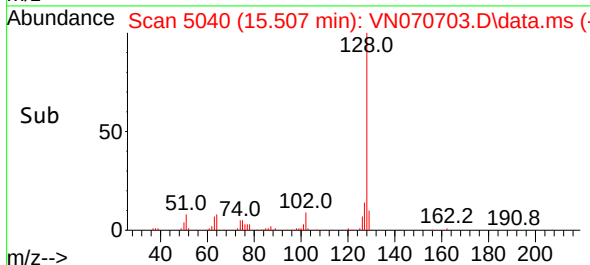
Tgt Ion:180 Resp: 2808
 Ion Ratio Lower Upper
 180 100
 182 82.9 48.3 144.9
 145 29.0 14.5 43.5

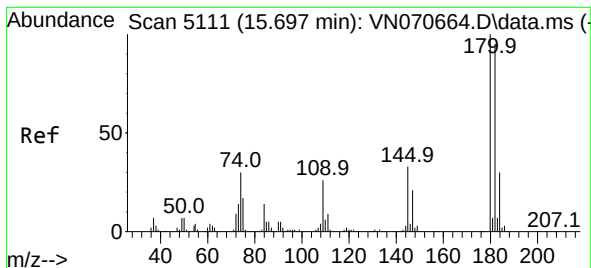


#95
 Naphthalene
 Concen: 10.990 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. 0.003 min
 Lab File: VN070703.D
 Acq: 19 Jan 2022 16:37



Tgt Ion:128 Resp: 235086
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.5 15.7
 129 10.5 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 3.452 ug/l

RT: 15.702 min Scan# 5111

Delta R.T. 0.005 min

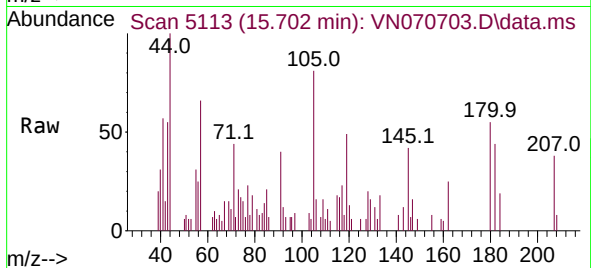
Lab File: VN070703.D

Acq: 19 Jan 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 3011

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.2

145 68.4 15.0 45.1#

