

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070933.D
 Acq On : 3 Feb 2022 16:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

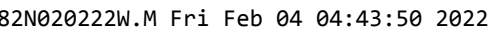
Instrument :
 MSVOA_N
 ClientSampleId :

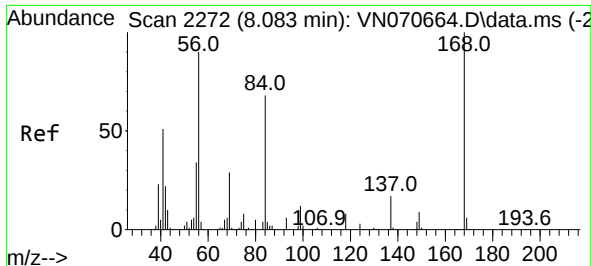
Quant Time: Feb 04 04:43:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	848136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1316905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1232965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	522890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	557552	48.566	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.140%
35) Dibromofluoromethane	8.024	113	384308	48.714	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.420%
50) Toluene-d8	10.443	98	1641759	50.685	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.731	95	584938	50.118	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	2430	0.204	ug/l	97
13) Acrolein	4.041	56	664	0.250	ug/l	94
16) Acetone	4.299	43	4483	0.653	ug/l	91
18) Methyl Acetate	4.873	43	4068	Below Cal	#	67
31) Cyclohexane	8.083	56	20945	1.074	ug/l #	29
36) 1,1-Dichloropropene	8.088	75	67868	5.296	ug/l #	50
38) Carbon Tetrachloride	8.086	117	85428	7.299	ug/l #	17
52) Toluene	10.507	92	14460	0.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.049	63	115	19.673	ug/l #	1
67) Ethyl Benzene	11.843	91	9893	0.210	ug/l #	87
68) m/p-Xylenes	11.953	106	10048	0.576	ug/l #	44
69) o-Xylene	12.286	106	4315	0.247	ug/l	91
74) N-amyl acetate	12.358	43	8468	0.414	ug/l #	47
76) 1,2,3-Trichloropropane	12.731	75	317906	25.259	ug/l #	1
78) n-propylbenzene	12.924	91	23528	0.452	ug/l	87
79) 2-Chlorotoluene	12.975	91	14525	0.449	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.055	105	8870	0.240	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.731	75	317906	68.468	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	47253	1.307	ug/l	95
85) sec-Butylbenzene	13.506	105	51339	1.138	ug/l #	68
95) Naphthalene	15.504	128	49734	5.230	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	608	1.765	ug/l #	54

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

Quant Time: Feb 04 04:43:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 02 15:30:39 2022
Response via : Initial Calibration

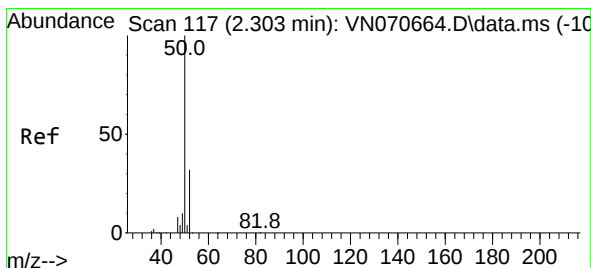
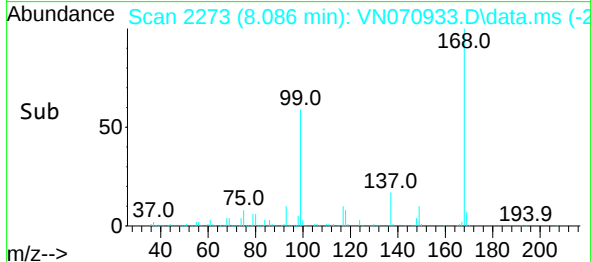
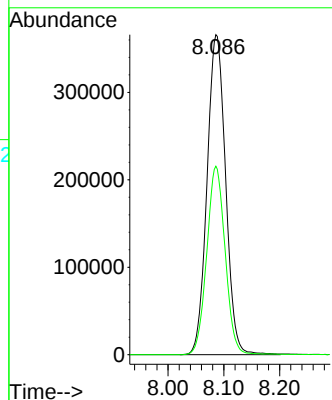
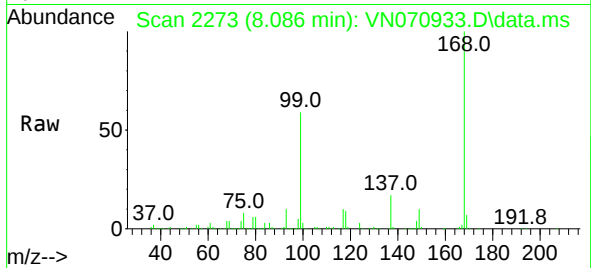




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

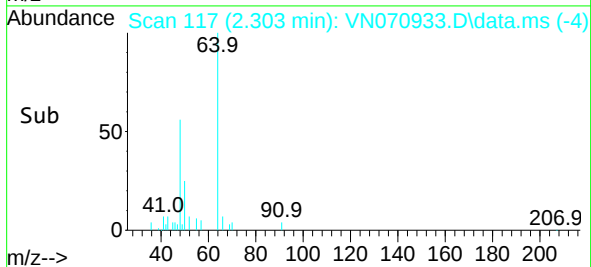
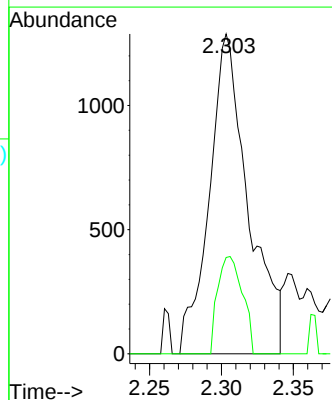
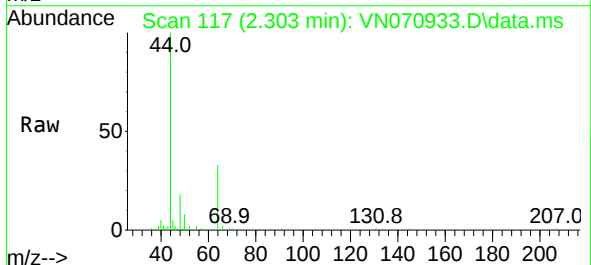
Instrument :
MSVOA_N
ClientSampleId :

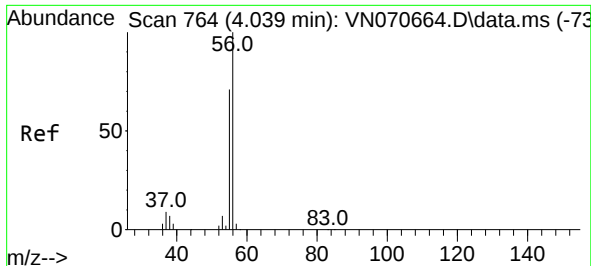
Tgt Ion:168 Resp: 848136
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 50 Resp: 2430
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.0





#13

Acrolein

Concen: 0.250 ug/l

RT: 4.041 min Scan# 7

Delta R.T. 0.002 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

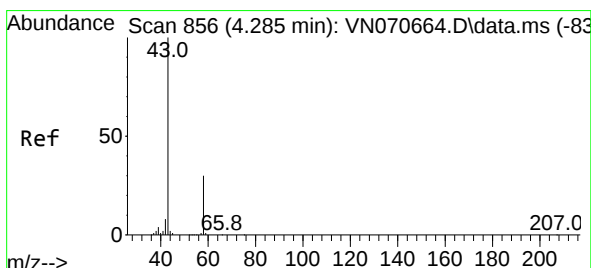
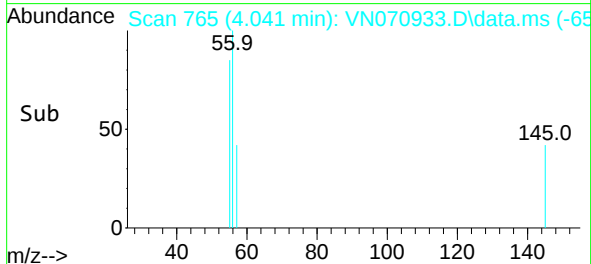
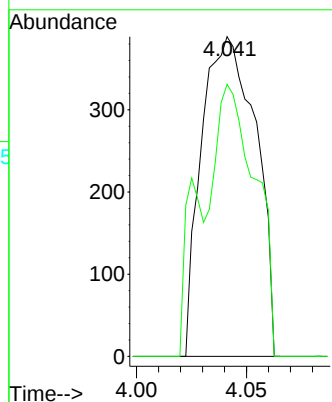
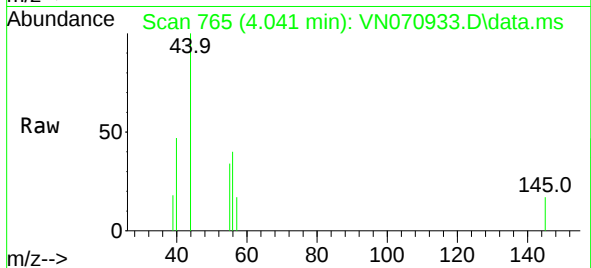
ClientSampleId :

Tgt Ion: 56 Resp: 664

Ion Ratio Lower Upper

56 100

55 66.1 56.6 85.0



#16

Acetone

Concen: 0.653 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.014 min

Lab File: VN070933.D

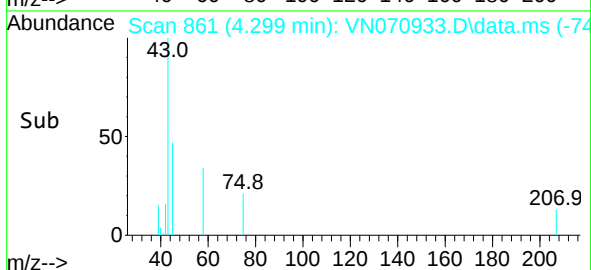
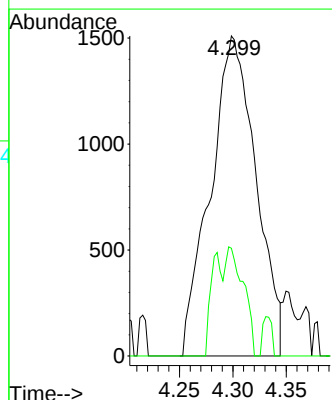
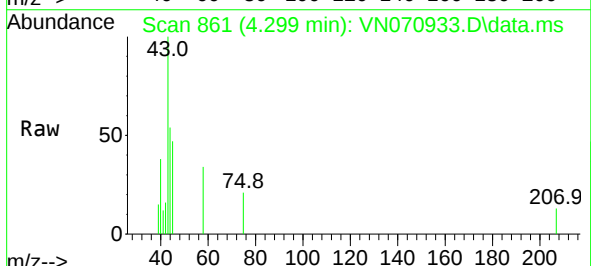
Acq: 3 Feb 2022 16:33

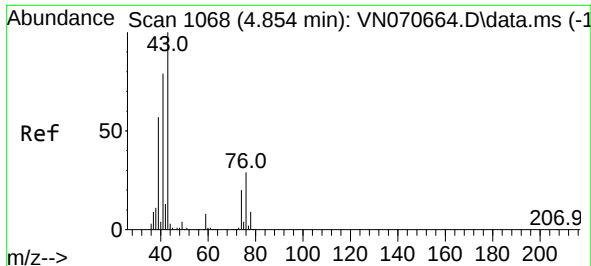
Tgt Ion: 43 Resp: 4483

Ion Ratio Lower Upper

43 100

58 33.6 23.1 34.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.873 min Scan# 1068

Delta R.T. 0.019 min

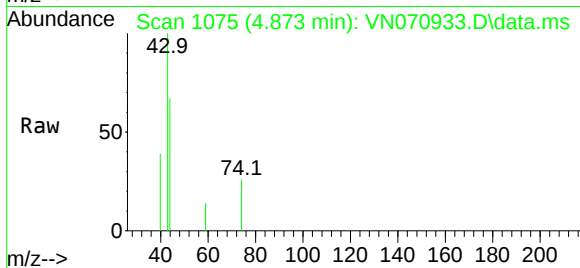
Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

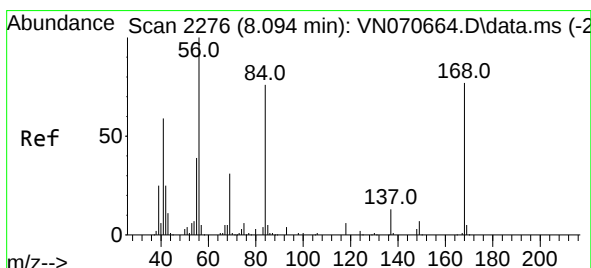
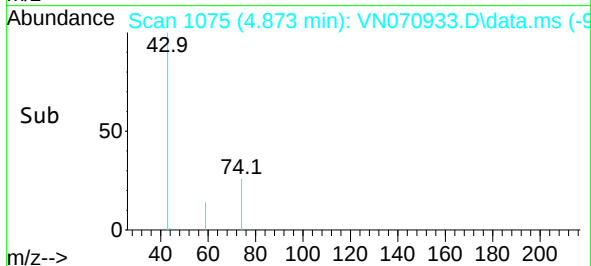
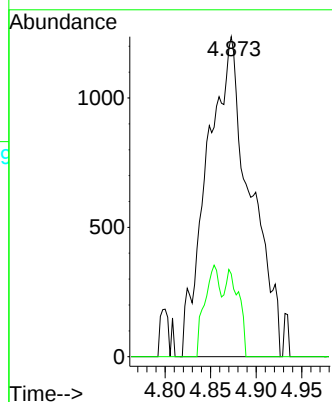


Tgt Ion: 43 Resp: 4068

Ion Ratio Lower Upper

43 100

74 8.2 19.4 29.2#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

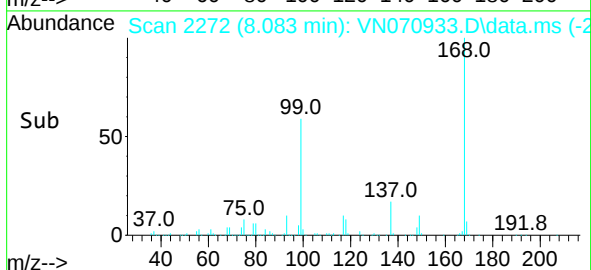
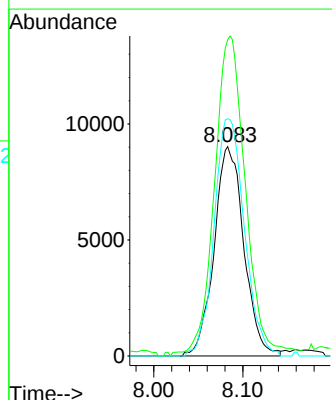
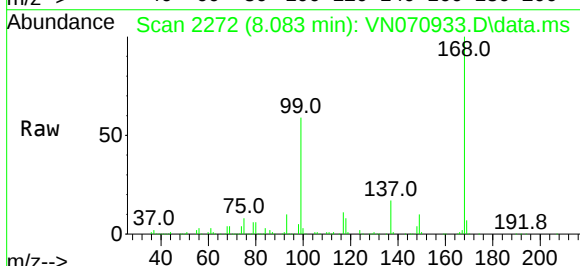
Tgt Ion: 56 Resp: 20945

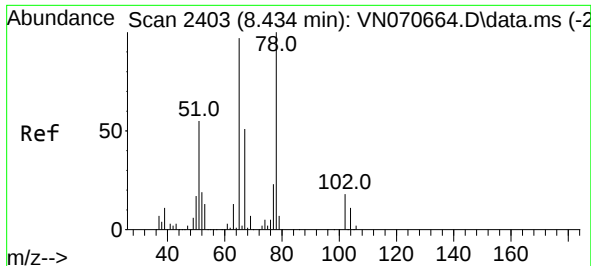
Ion Ratio Lower Upper

56 100

69 149.2 27.1 40.7#

84 113.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.566 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

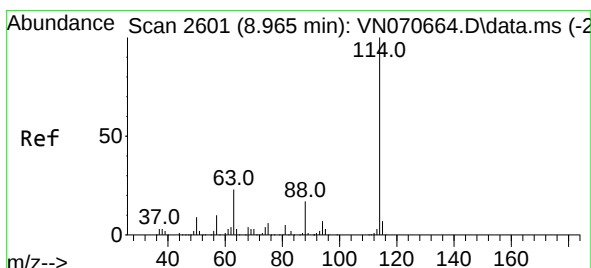
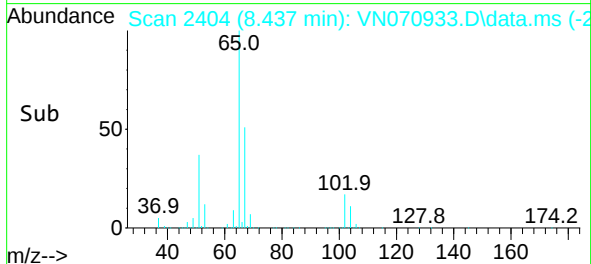
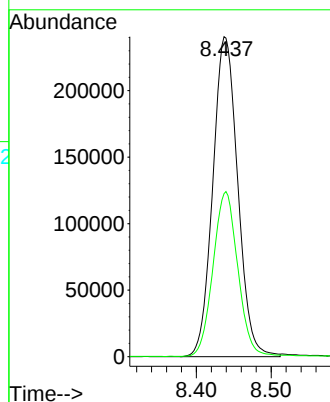
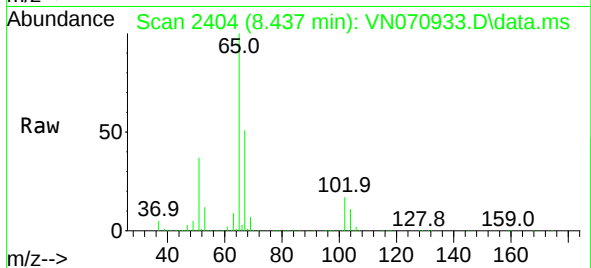
ClientSampleId :

Tgt Ion: 65 Resp: 557552

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.002 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

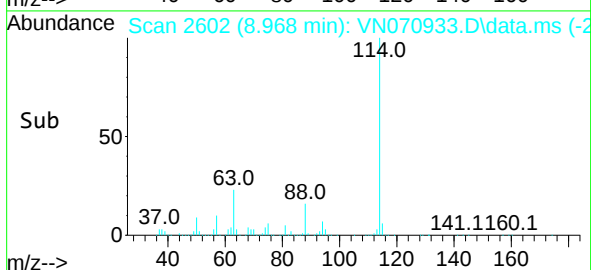
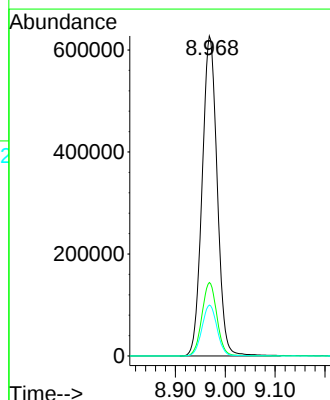
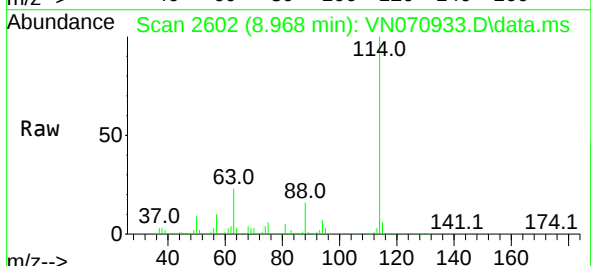
Tgt Ion: 114 Resp: 1316905

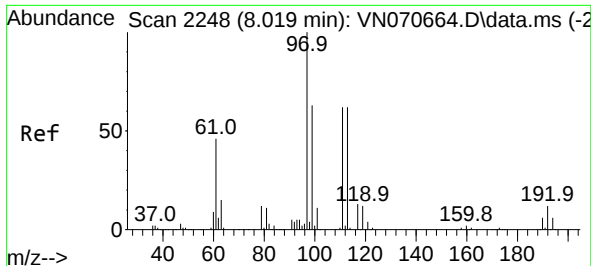
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

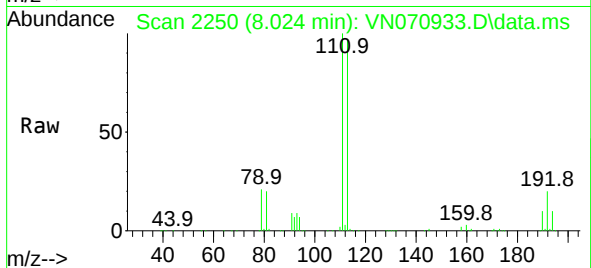
88 15.9 0.0 27.4



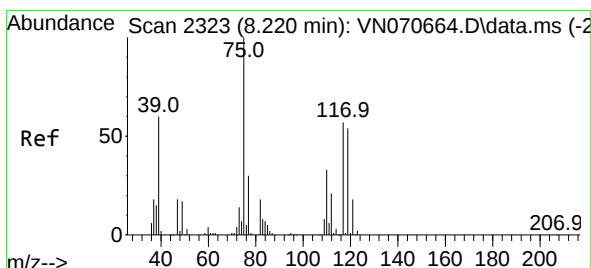
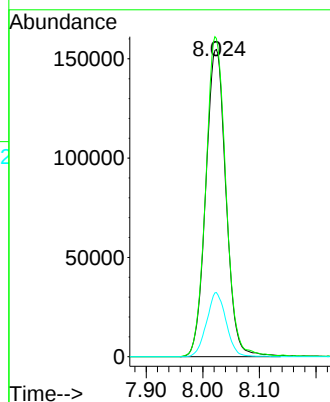
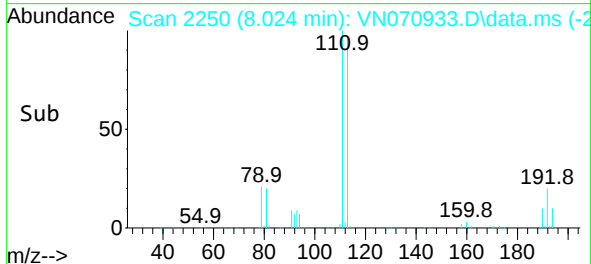


#35
Dibromofluoromethane
Concen: 48.714 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

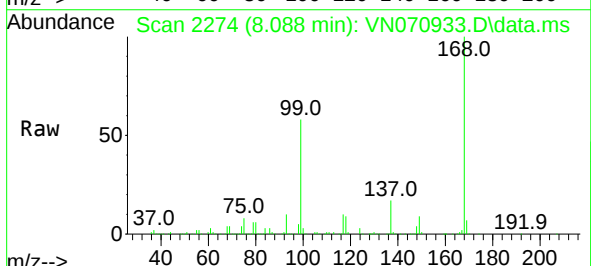
Instrument :
MSVOA_N
ClientSampleId :



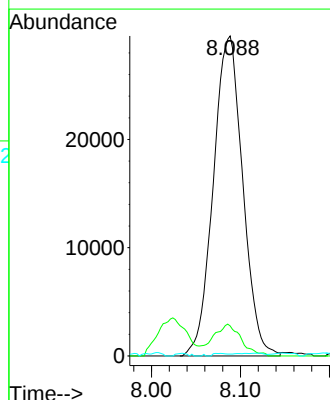
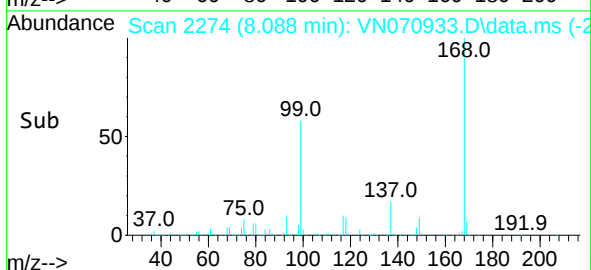
Tgt Ion:113 Resp: 384308
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.1 16.9 25.3

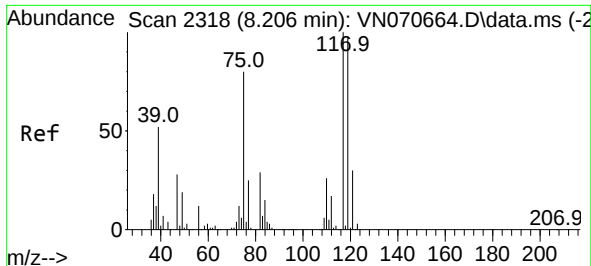


#36
1,1-Dichloropropene
Concen: 5.296 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.132 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33



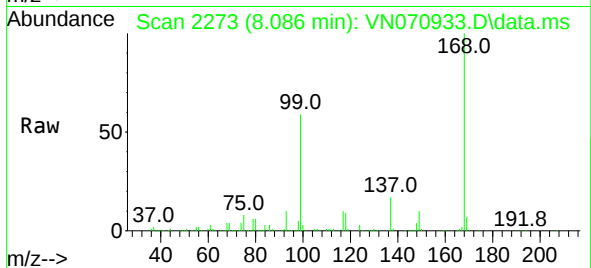
Tgt Ion: 75 Resp: 67868
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.4 24.4 36.6#



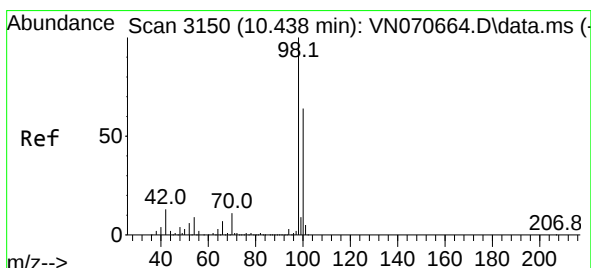
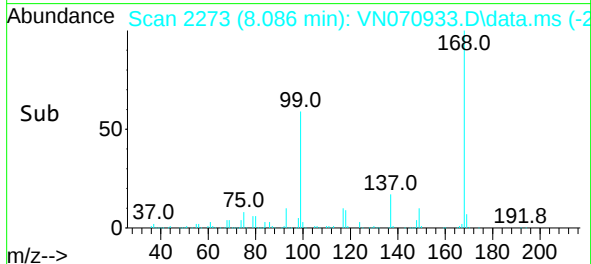
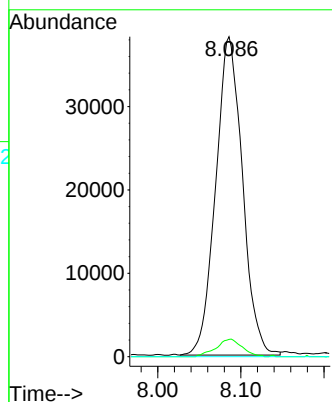


#38
Carbon Tetrachloride
Concen: 7.299 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Instrument :
MSVOA_N
ClientSampleId :

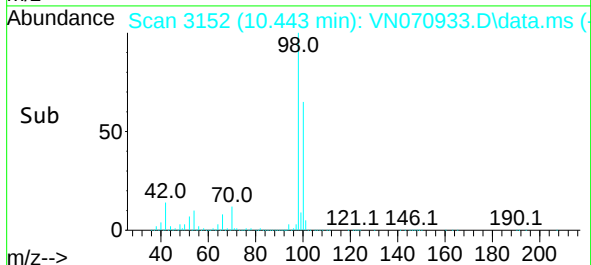
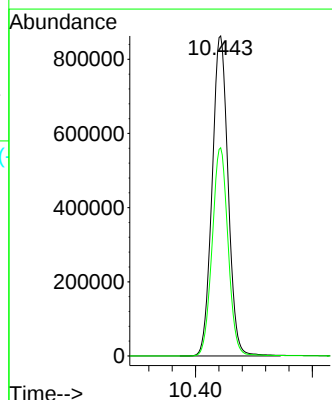
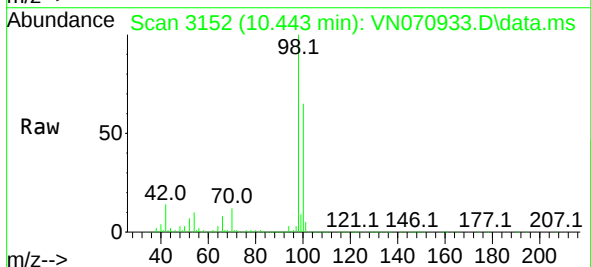


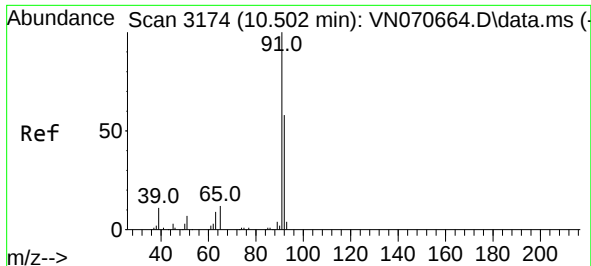
Tgt Ion:117 Resp: 85428
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.685 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 98 Resp: 1641759
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

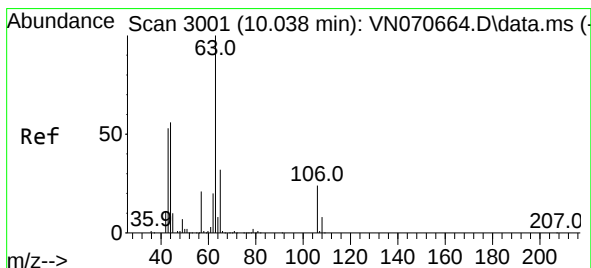
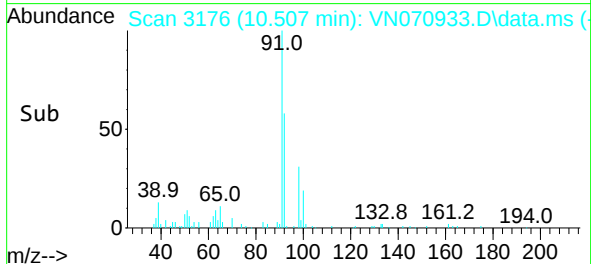
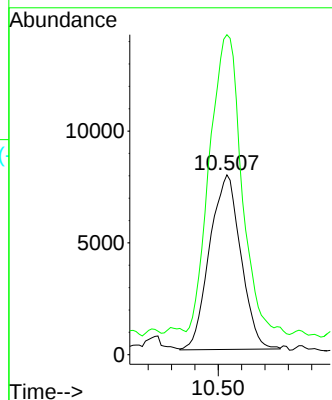
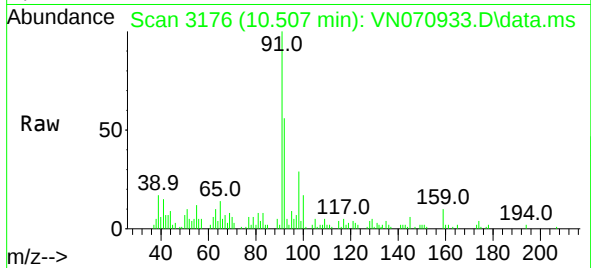




#52
Toluene
Concen: 0.580 ug/l
RT: 10.507 min Scan# 3174
Delta R.T. 0.002 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

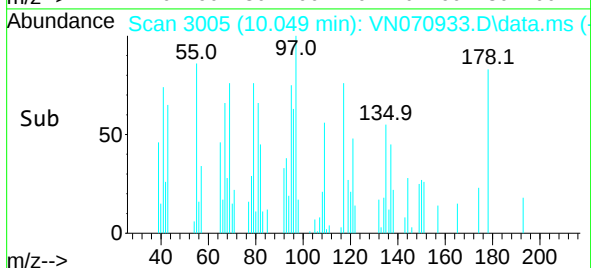
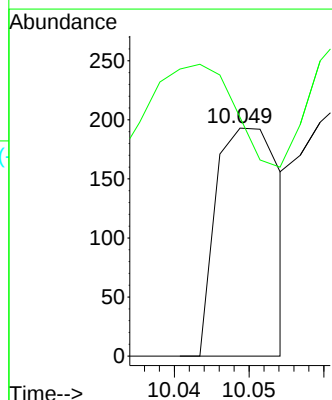
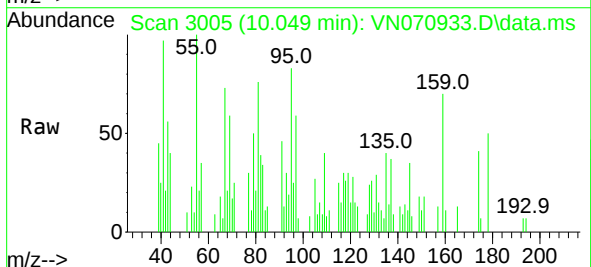
Instrument :
MSVOA_N
ClientSampleId :

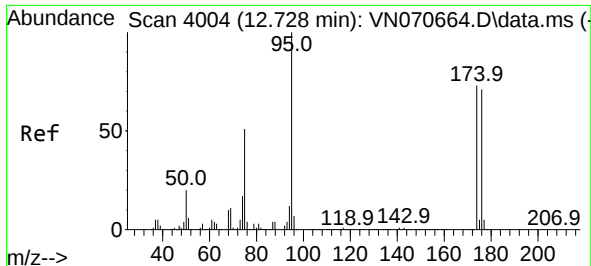
Tgt Ion: 92 Resp: 14460
Ion Ratio Lower Upper
92 100
91 176.8 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 19.673 ug/l
RT: 10.049 min Scan# 3005
Delta R.T. 0.008 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 63 Resp: 115
Ion Ratio Lower Upper
63 100
106 89.6 23.9 35.9#

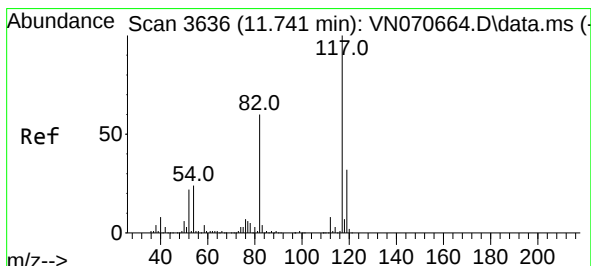
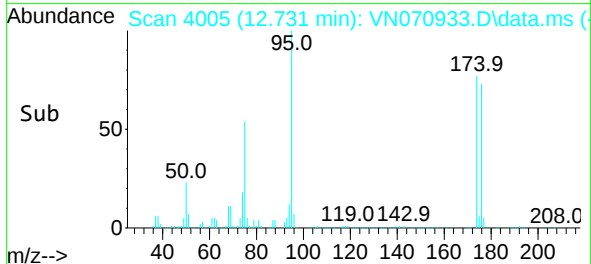
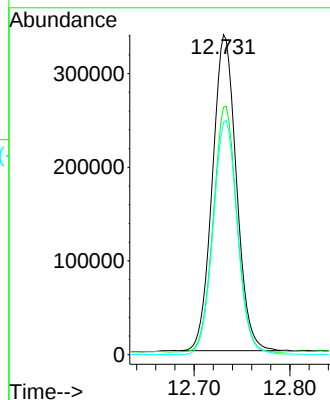
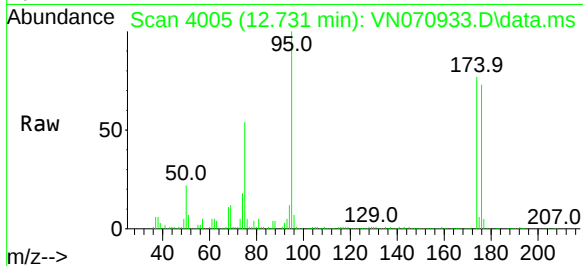




#62
4-Bromofluorobenzene
Concen: 50.118 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

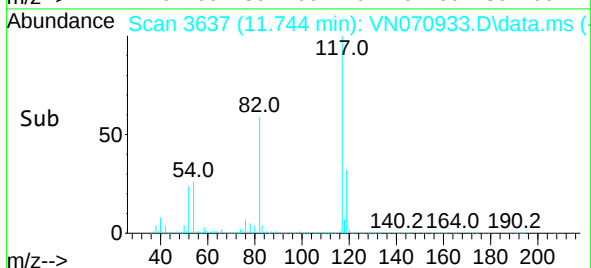
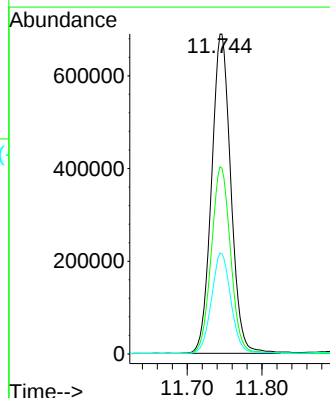
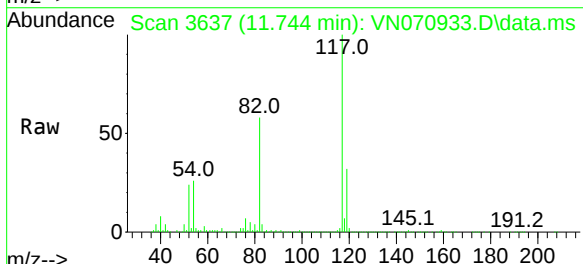
Instrument :
MSVOA_N
ClientSampleId :

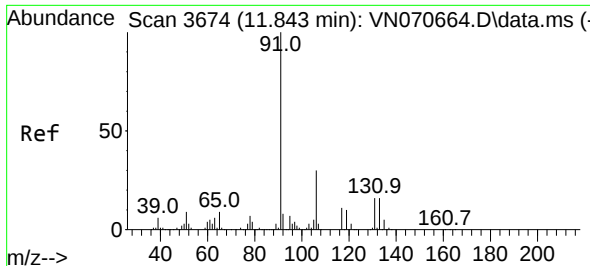
Tgt Ion: 95 Resp: 584938
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 75.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 117 Resp: 1232965
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.4 25.4 38.2

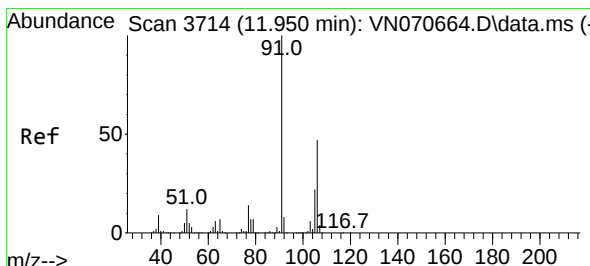
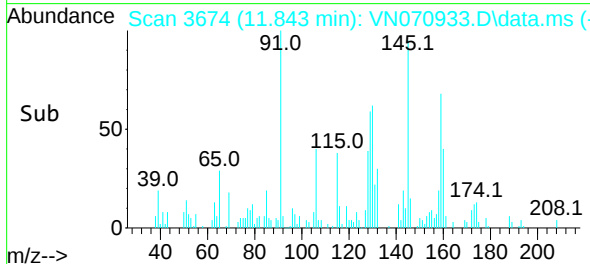
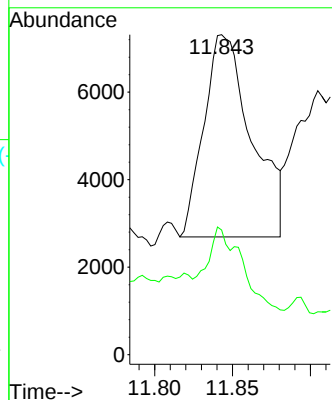
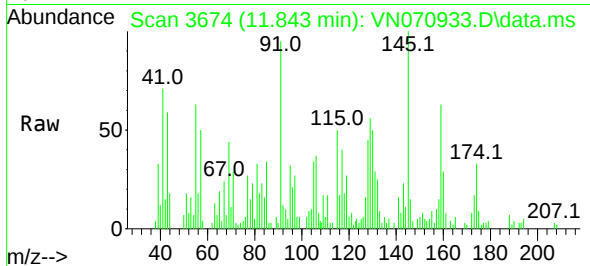




#67
Ethyl Benzene
Concen: 0.210 ug/l
RT: 11.843 min Scan# 3074
Delta R.T. 0.000 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

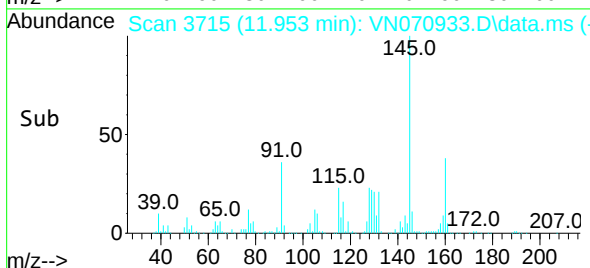
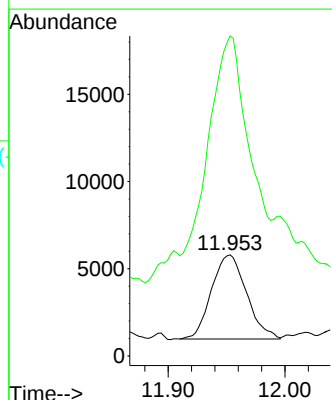
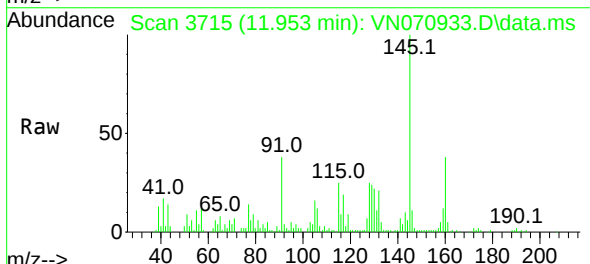
Instrument :
MSVOA_N
ClientSampleId :

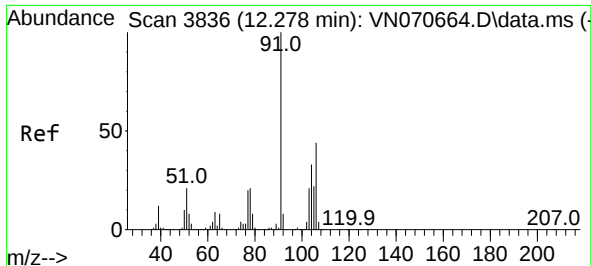
Tgt Ion: 91 Resp: 9893
Ion Ratio Lower Upper
91 100
106 39.4 25.7 38.5#



#68
m/p-Xylenes
Concen: 0.576 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion:106 Resp: 10048
Ion Ratio Lower Upper
106 100
91 285.5 160.6 240.8#

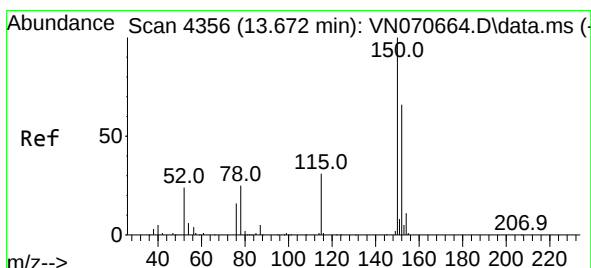
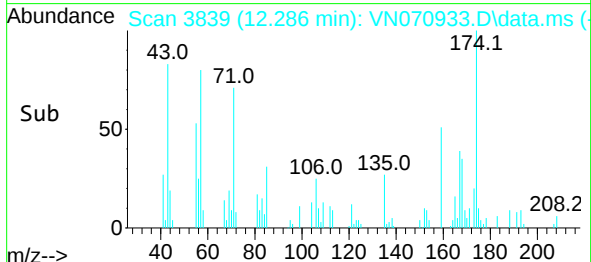
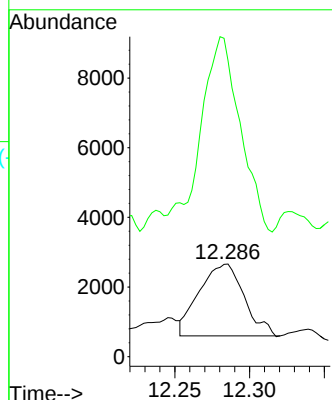
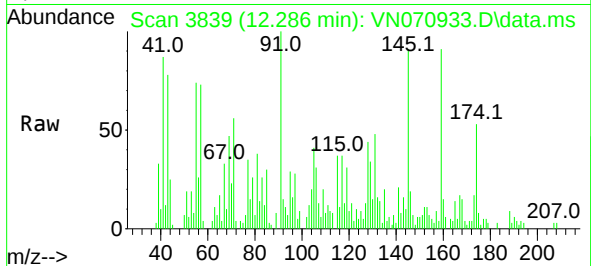




#69
o-Xylene
Concen: 0.247 ug/l
RT: 12.286 min Scan# 3836
Delta R.T. 0.006 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

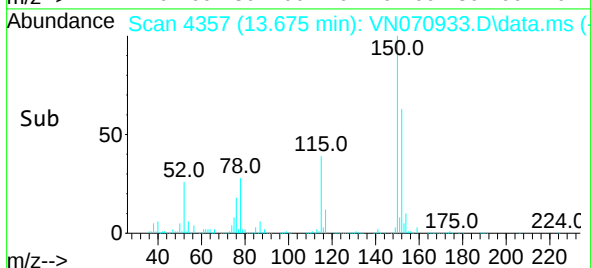
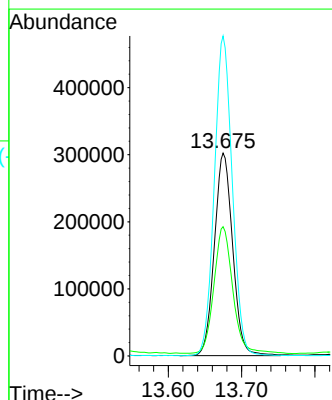
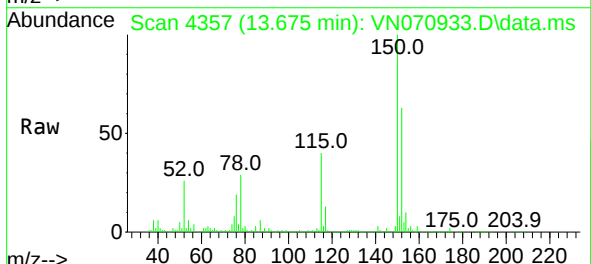
Instrument :
MSVOA_N
ClientSampleId :

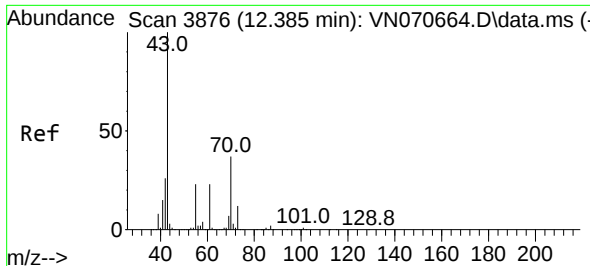
Tgt Ion:106 Resp: 4315
Ion Ratio Lower Upper
106 100
91 225.6 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

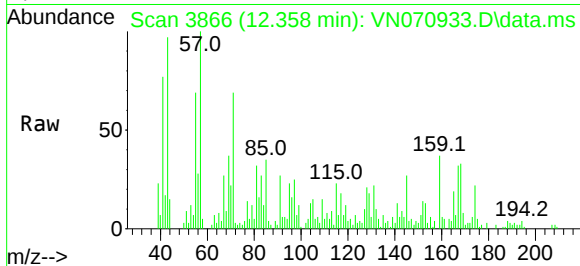
Tgt Ion:152 Resp: 522890
Ion Ratio Lower Upper
152 100
115 64.6 27.5 82.5
150 155.0 0.0 344.4



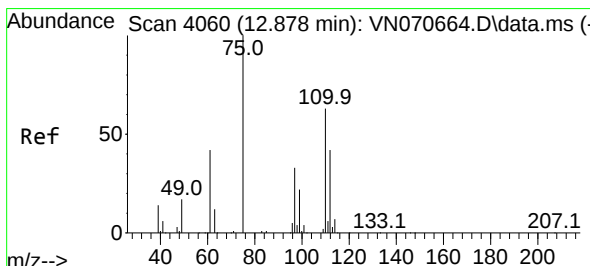
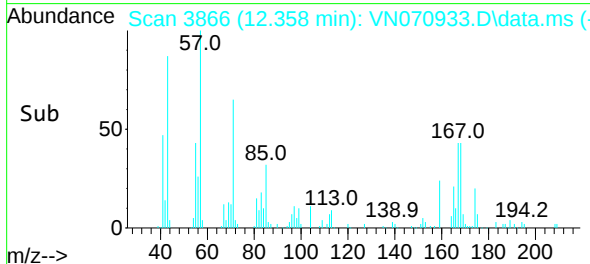
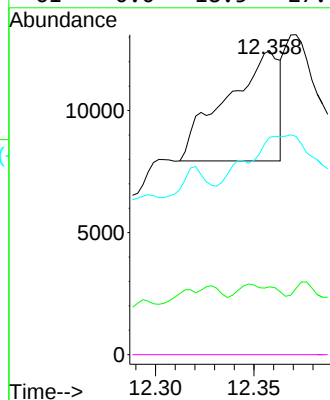


#74
N-amy1 acetate
Concen: 0.414 ug/l
RT: 12.358 min Scan# 3876
Delta R.T. -0.030 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Instrument :
MSVOA_N
ClientSampleId :

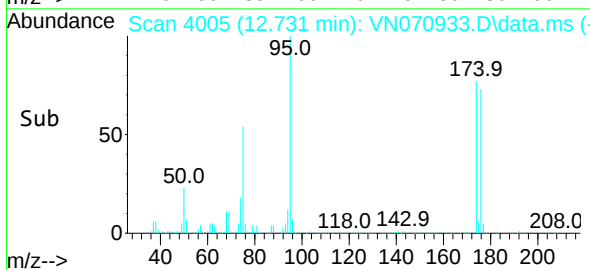
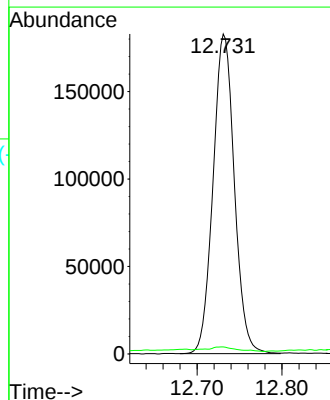
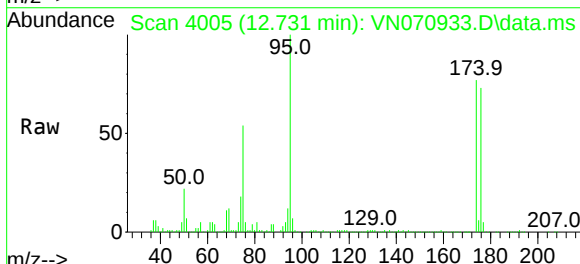


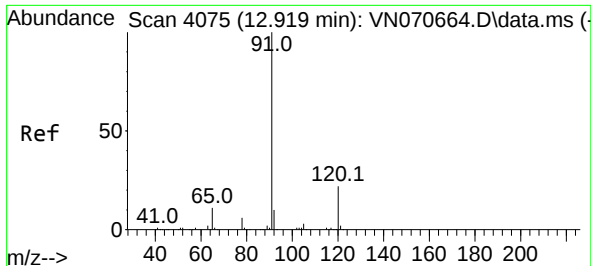
Tgt Ion: 43 Resp: 8468
Ion Ratio Lower Upper
43 100
70 22.2 33.4 50.0#
55 72.4 19.3 28.9#
61 0.0 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 25.259 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 75 Resp: 317906
Ion Ratio Lower Upper
75 100
77 2.1 82.6 247.8#

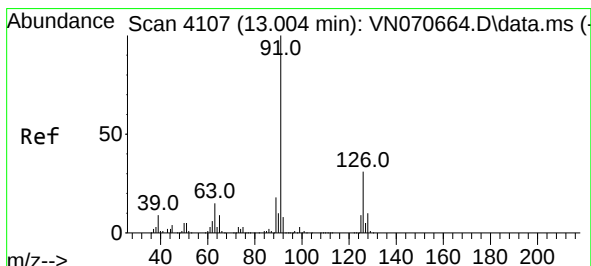
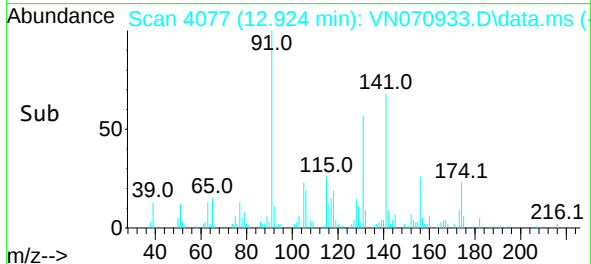
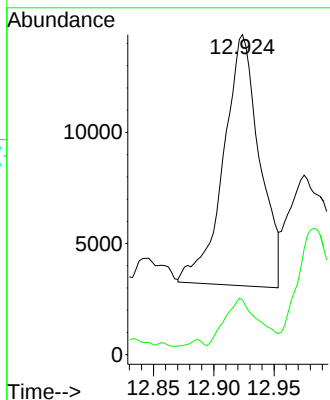
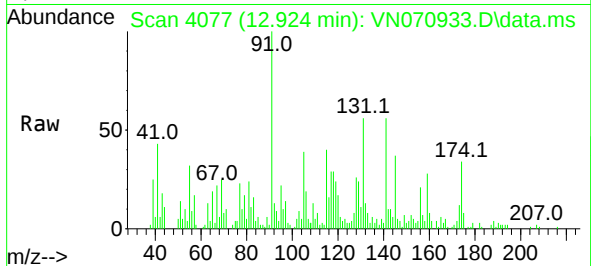




#78
n-propylbenzene
Concen: 0.452 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.005 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

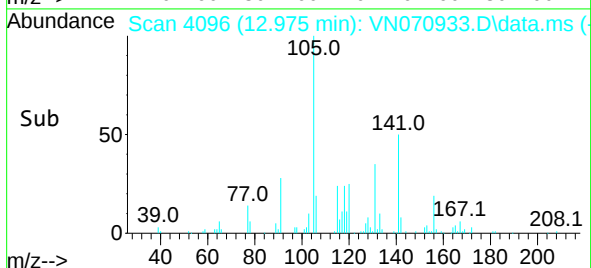
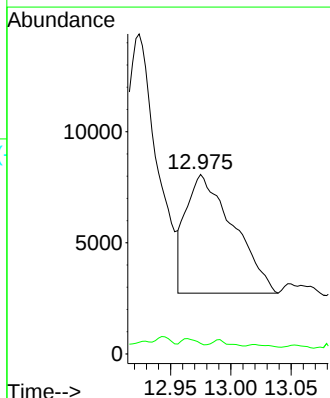
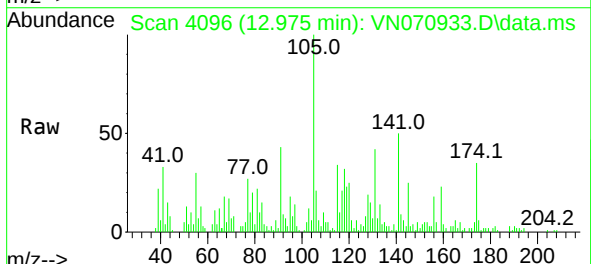
Instrument :
MSVOA_N
ClientSampleId :

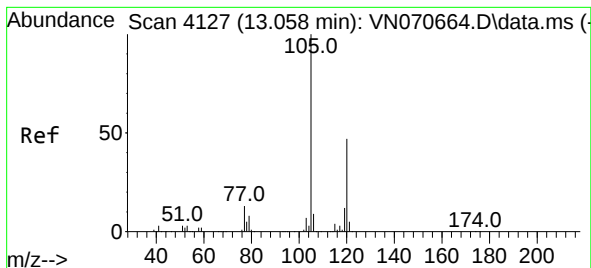
Tgt Ion: 91 Resp: 23528
Ion Ratio Lower Upper
91 100
120 17.6 11.9 35.9



#79
2-Chlorotoluene
Concen: 0.449 ug/l
RT: 12.975 min Scan# 4096
Delta R.T. -0.032 min
Lab File: VN070933.D
Acq: 3 Feb 2022 16:33

Tgt Ion: 91 Resp: 14525
Ion Ratio Lower Upper
91 100
126 1.6 18.3 54.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.240 ug/l

RT: 13.055 min Scan# 41

Delta R.T. -0.003 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

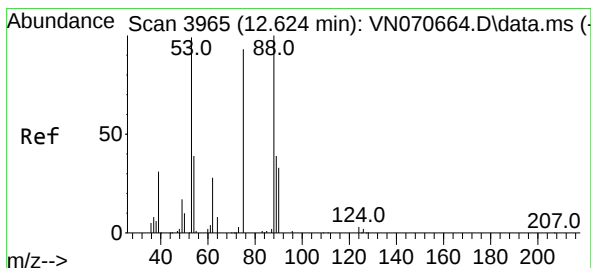
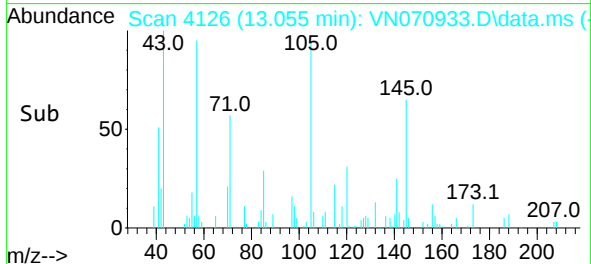
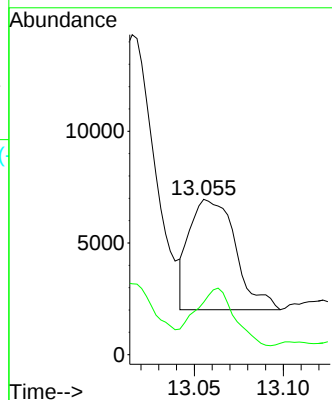
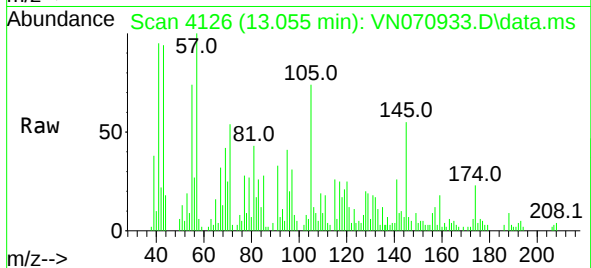
ClientSampleId :

Tgt Ion:105 Resp: 8870

Ion Ratio Lower Upper

105 100

120 44.9 24.6 73.6



#81

trans-1,4-Dichloro-2-butene

Concen: 68.468 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.107 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

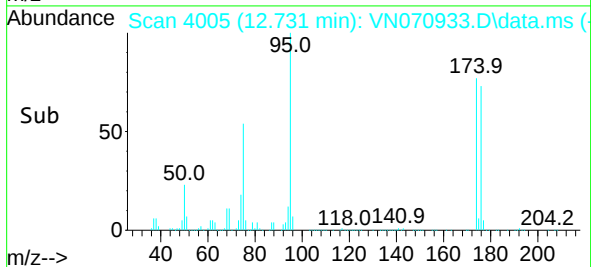
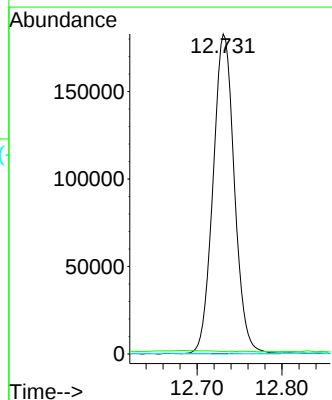
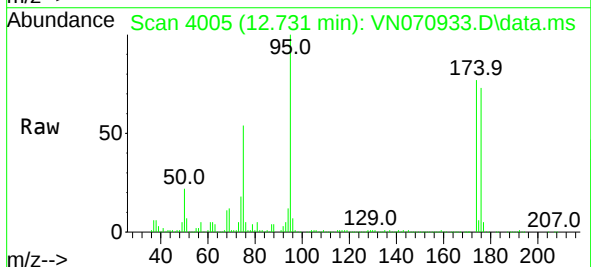
Tgt Ion: 75 Resp: 317906

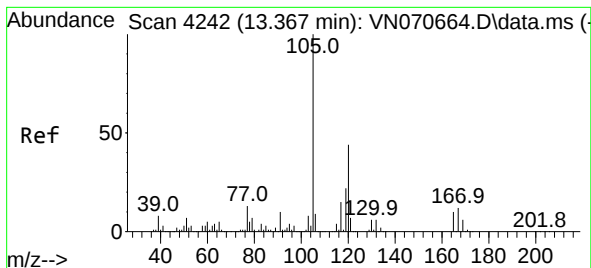
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.2 38.2 57.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.307 ug/l

RT: 13.369 min Scan# 41

Delta R.T. 0.002 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

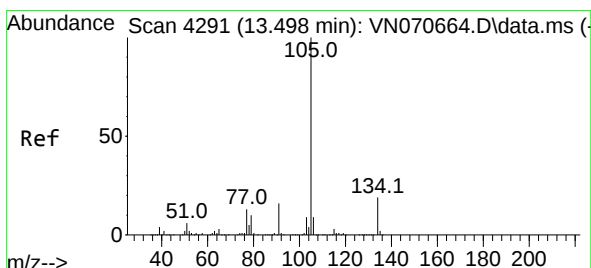
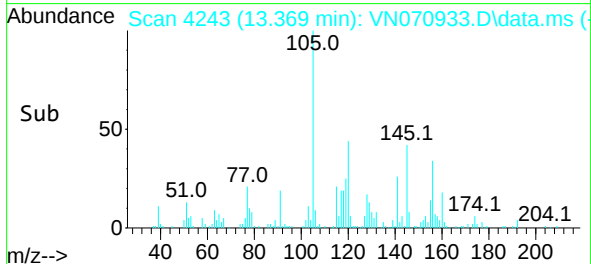
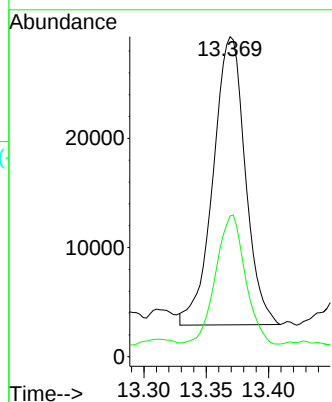
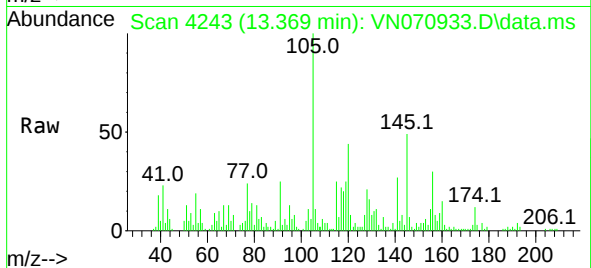
ClientSampleId :

Tgt Ion:105 Resp: 47253

Ion Ratio Lower Upper

105 100

120 42.0 22.8 68.4



#85

sec-Butylbenzene

Concen: 1.138 ug/l

RT: 13.506 min Scan# 4294

Delta R.T. 0.005 min

Lab File: VN070933.D

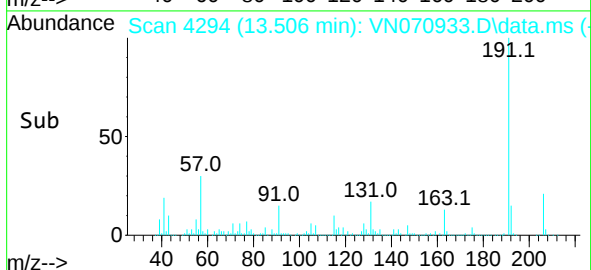
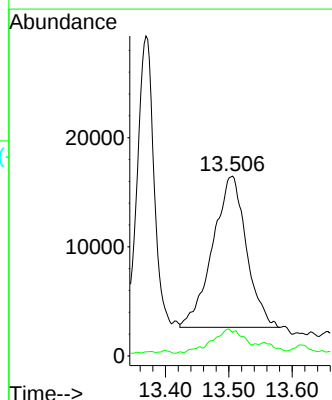
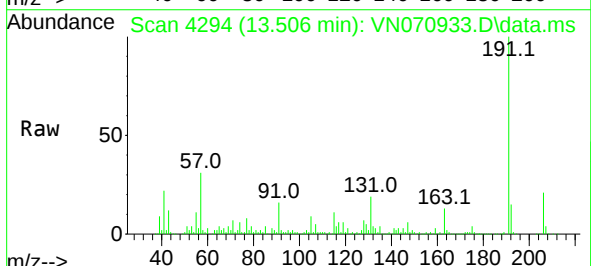
Acq: 3 Feb 2022 16:33

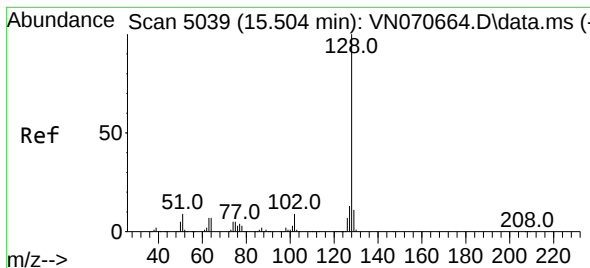
Tgt Ion:105 Resp: 51339

Ion Ratio Lower Upper

105 100

134 5.7 10.4 31.1#





#95

Naphthalene

Concen: 5.230 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.000 min

Lab File: VN070933.D

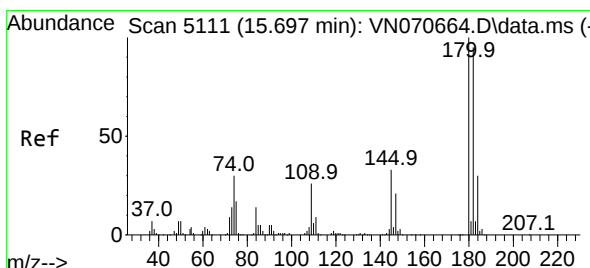
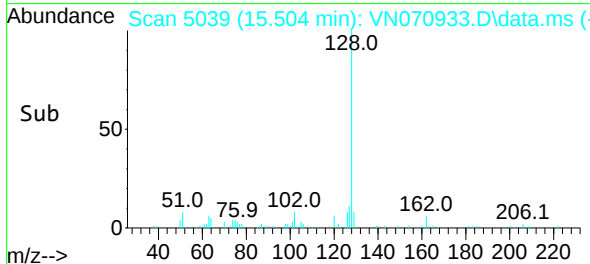
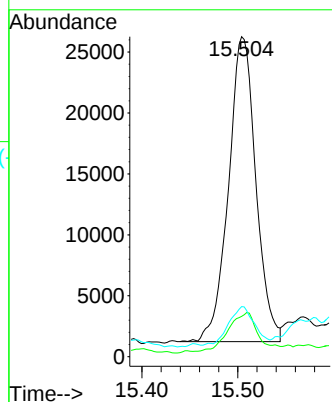
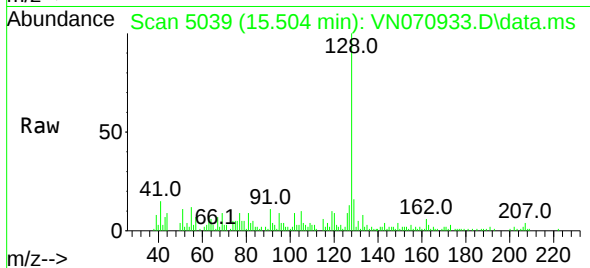
Acq: 3 Feb 2022 16:33

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	49734
Ion	Ratio	Lower Upper
128	100	
127	13.8	10.5 15.7
129	11.9	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.765 ug/l

RT: 15.694 min Scan# 5110

Delta R.T. -0.006 min

Lab File: VN070933.D

Acq: 3 Feb 2022 16:33

Tgt Ion:180	Resp:	608
Ion	Ratio	Lower Upper
180	100	
182	75.8	47.4 142.2
145	99.8	15.0 45.1#

