

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073543.D
 Acq On : 20 Jul 2022 23:51
 Operator : JC\MD
 Sample : N3779-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-I

Quant Time: Jul 21 08:28:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

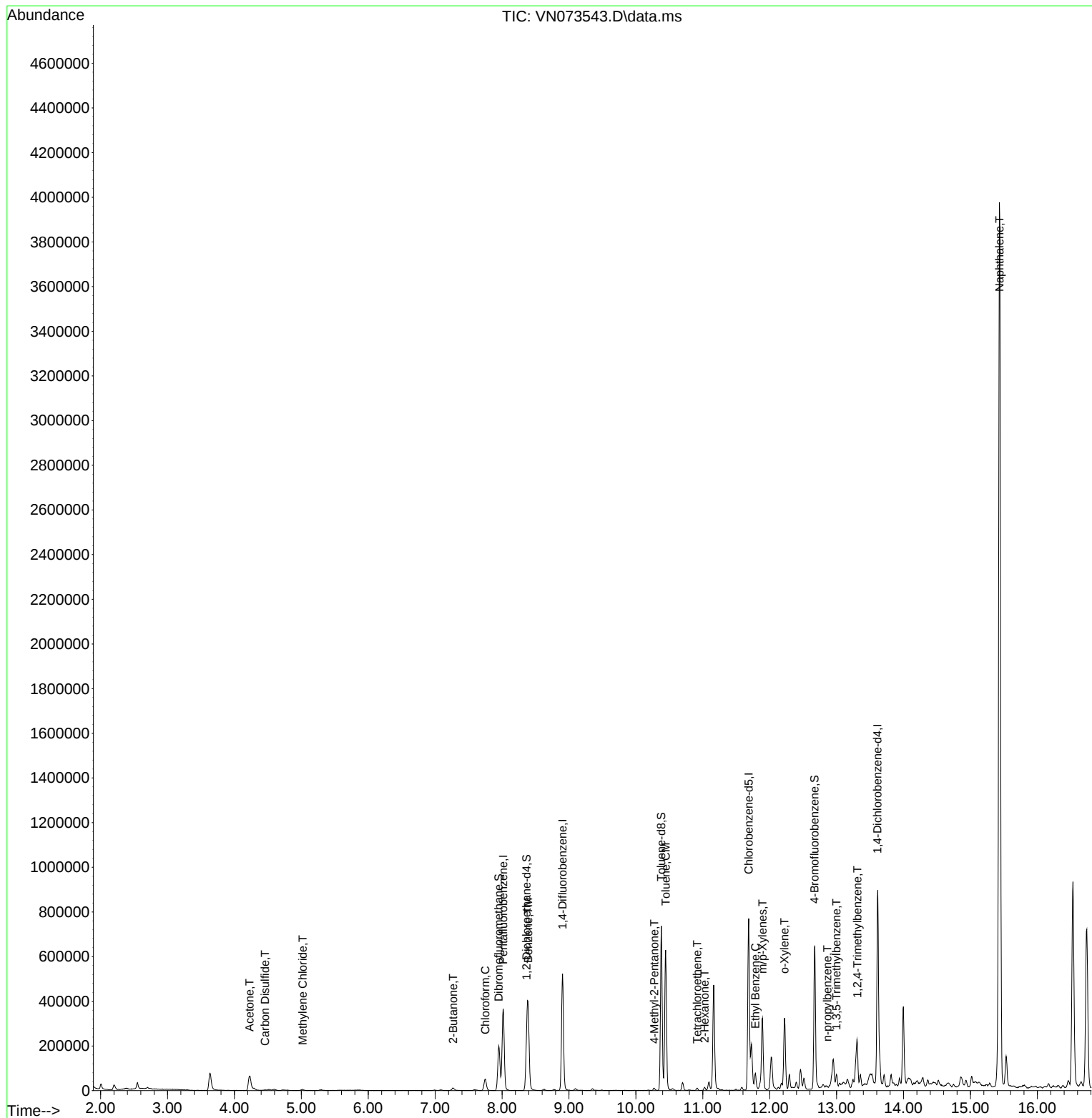
Internal Standards						
1) Pentafluorobenzene	8.016	168	279351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	459809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	430969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	232516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	171511	42.530	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.060%
35) Dibromofluoromethane	7.951	113	145134	47.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.880%
50) Toluene-d8	10.380	98	490651	45.158	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.320%
62) 4-Bromofluorobenzene	12.669	95	218319	52.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.580%
Target Compounds						
					Qvalue	
16) Acetone	4.228	43	126766	56.001	ug/l	94
17) Carbon Disulfide	4.457	76	4269	0.501	ug/l #	84
20) Methylene Chloride	5.022	84	3228	0.811	ug/l #	85
25) 2-Butanone	7.269	43	20736	5.754	ug/l	94
30) Chloroform	7.751	83	51873	7.699	ug/l	97
40) Benzene	8.392	78	300557	20.690	ug/l	97
51) 4-Methyl-2-Pentanone	10.275	43	7826	1.207	ug/l	90
52) Toluene	10.445	92	261923	29.175	ug/l	99
59) 2-Hexanone	11.027	43	9823	1.988	ug/l	89
64) Tetrachloroethene	10.916	164	2262	0.643	ug/l #	66
67) Ethyl Benzene	11.786	91	44146	2.495	ug/l	98
68) m/p-Xylenes	11.892	106	98345	14.726	ug/l	95
69) o-Xylene	12.222	106	77698	11.397	ug/l	97
78) n-propylbenzene	12.863	91	6150	0.276	ug/l	94
80) 1,3,5-Trimethylbenzene	12.998	105	27218	1.663	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	90584	5.544	ug/l	98
95) Naphthalene	15.433	128	3588132	200.227	ug/l	100

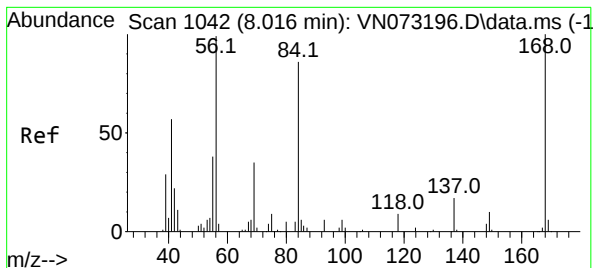
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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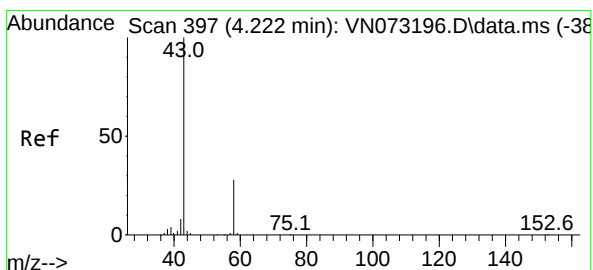
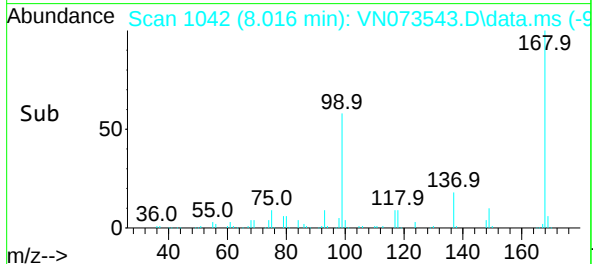
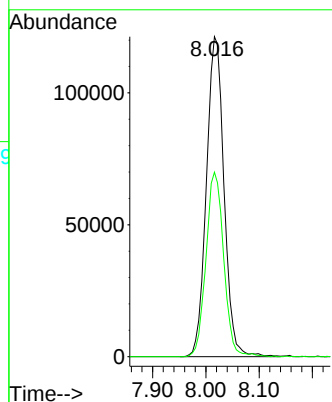
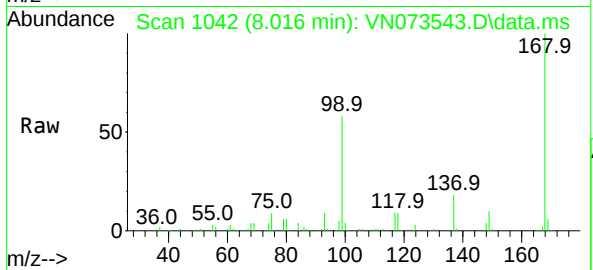




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

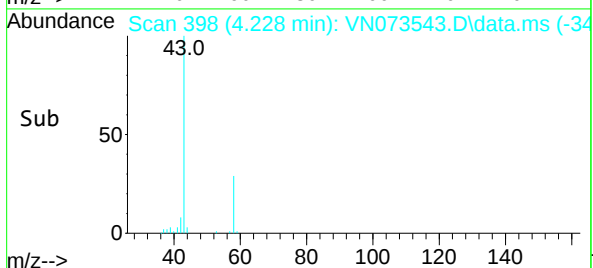
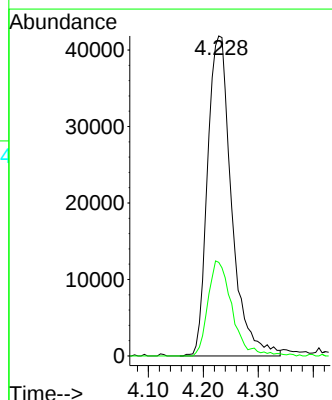
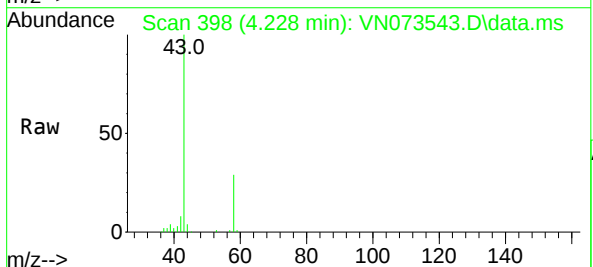
Instrument :
MSVOA_N
ClientSampleId :
070622-I

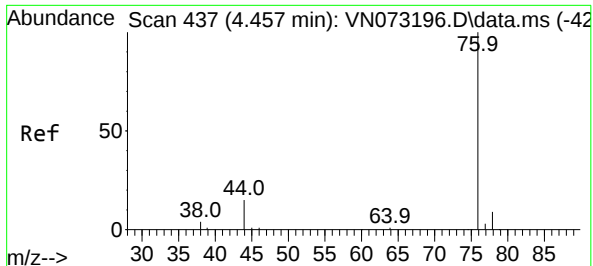
Tgt Ion:168 Resp: 279351
Ion Ratio Lower Upper
168 100
99 57.6 42.3 63.5



#16
Acetone
Concen: 56.001 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 126766
Ion Ratio Lower Upper
43 100
58 29.2 26.0 39.0

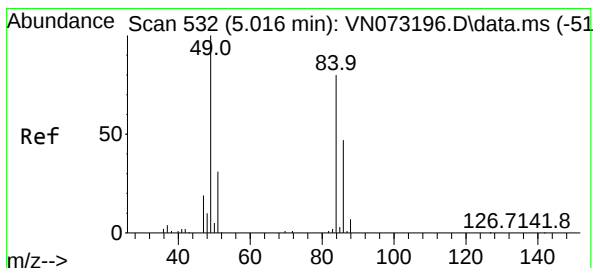
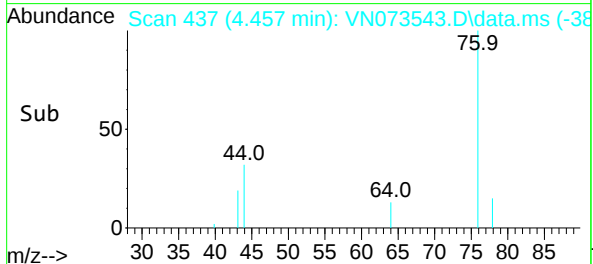
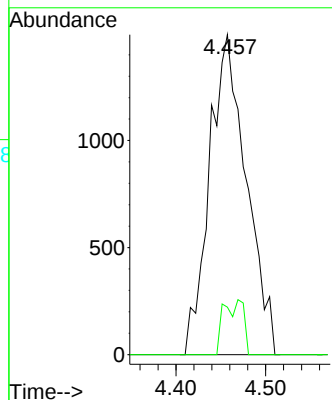
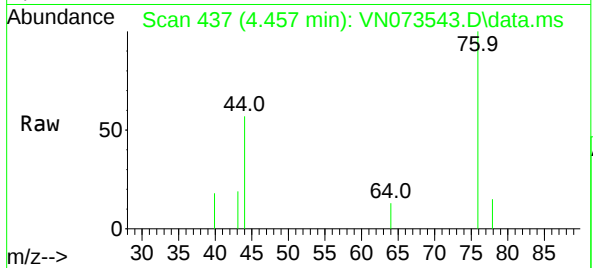




#17
Carbon Disulfide
Concen: 0.501 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

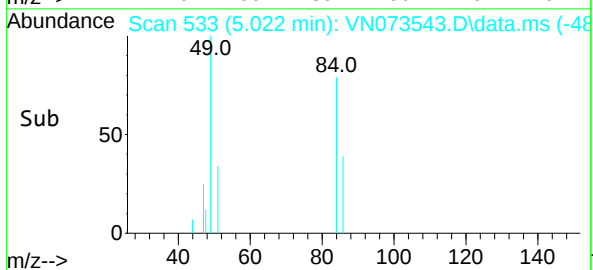
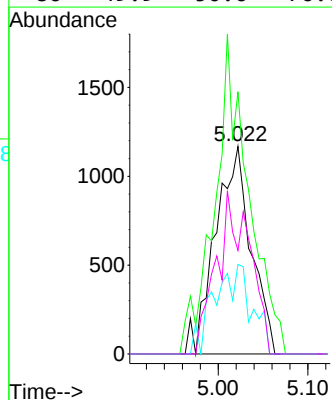
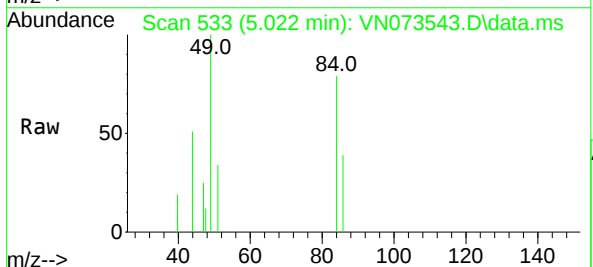
Instrument :
MSVOA_N
ClientSampleId :
070622-I

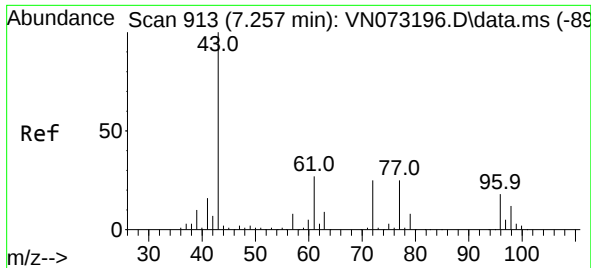
Tgt Ion: 76 Resp: 4269
Ion Ratio Lower Upper
76 100
78 14.9 7.2 10.8#



#20
Methylene Chloride
Concen: 0.811 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 84 Resp: 3228
Ion Ratio Lower Upper
84 100
49 126.4 88.3 132.5
51 43.2 28.2 42.2#
86 49.9 50.6 76.0#

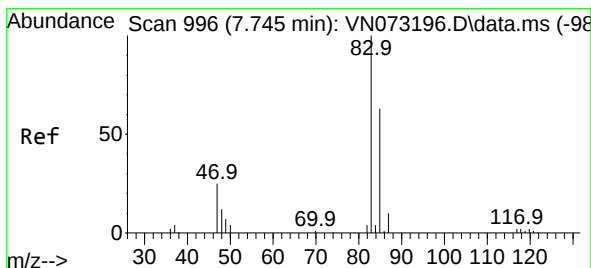
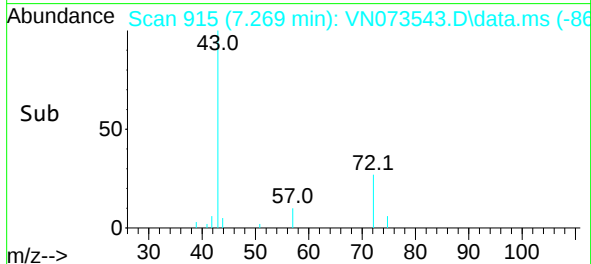
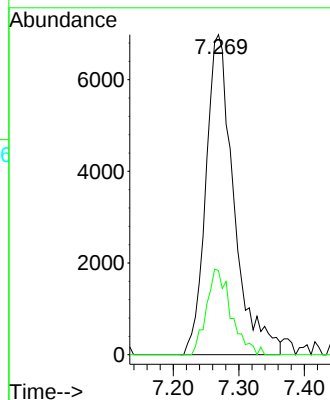
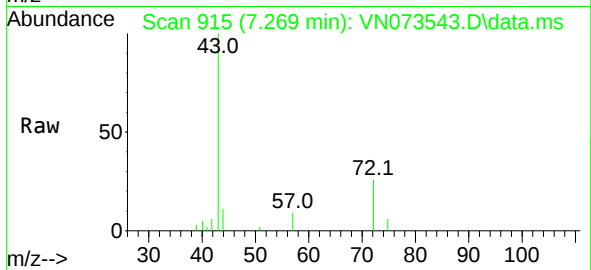




#25
2-Butanone
Concen: 5.754 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

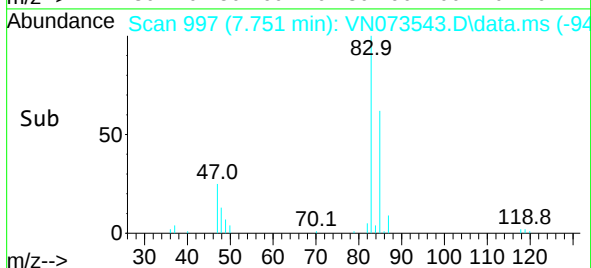
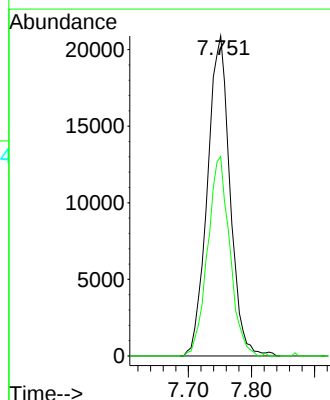
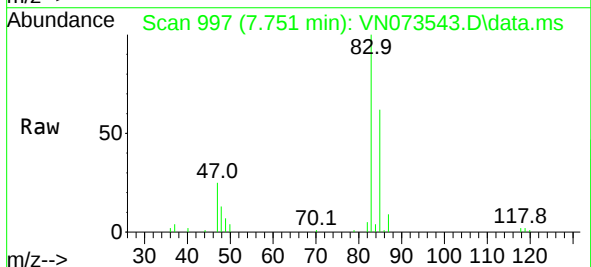
Instrument :
MSVOA_N
ClientSampleId :
070622-I

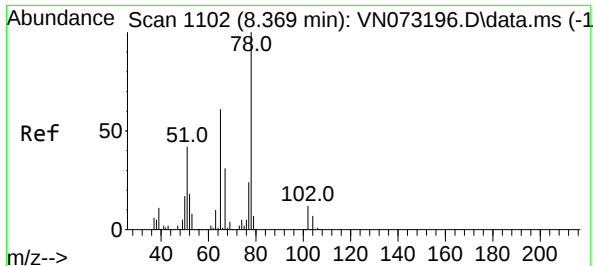
Tgt Ion: 43 Resp: 20736
Ion Ratio Lower Upper
43 100
72 26.3 23.7 35.5



#30
Chloroform
Concen: 7.699 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 83 Resp: 51873
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.8





#33

1,2-Dichloroethane-d4

Concen: 42.530 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073543.D

Acq: 20 Jul 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

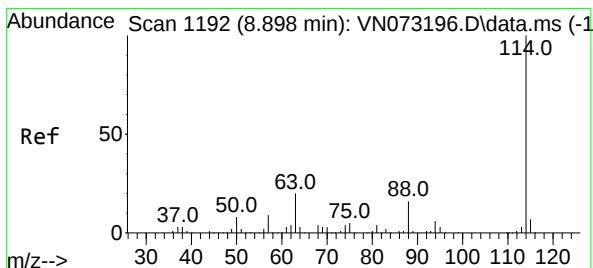
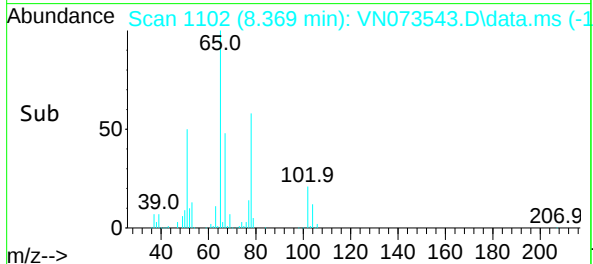
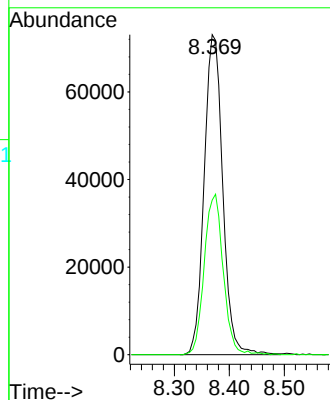
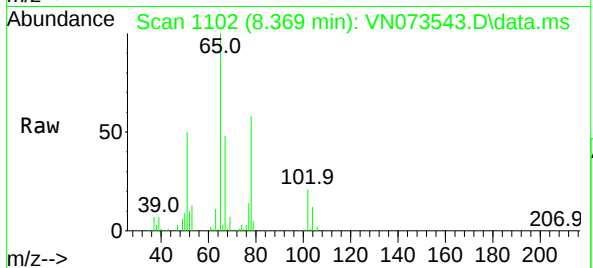
070622-I

Tgt Ion: 65 Resp: 171511

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073543.D

Acq: 20 Jul 2022 23:51

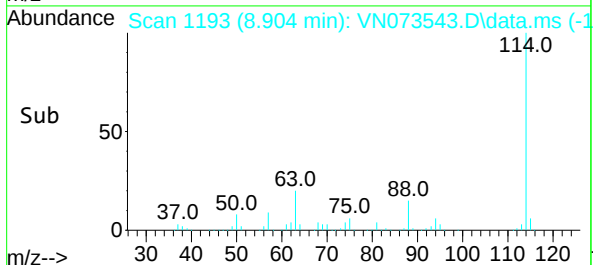
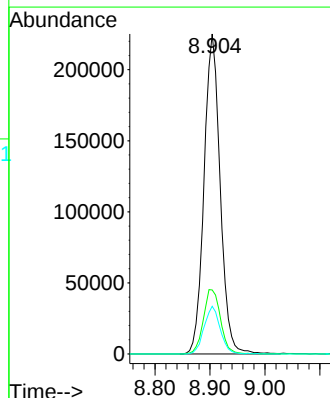
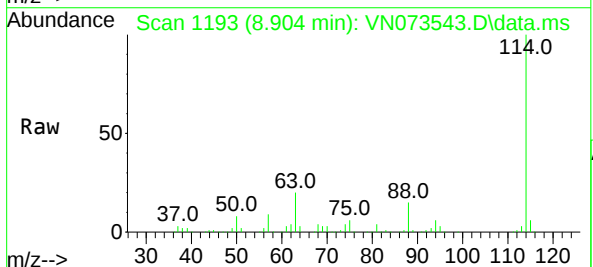
Tgt Ion: 114 Resp: 459809

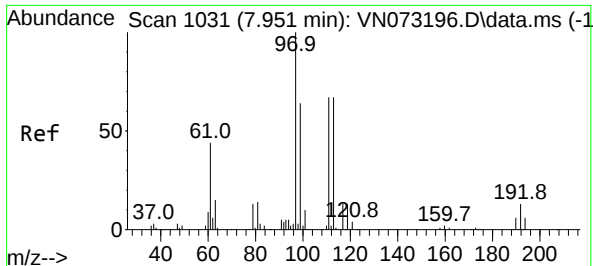
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.442 ug/l

RT: 7.951 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VN073543.D

Acq: 20 Jul 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

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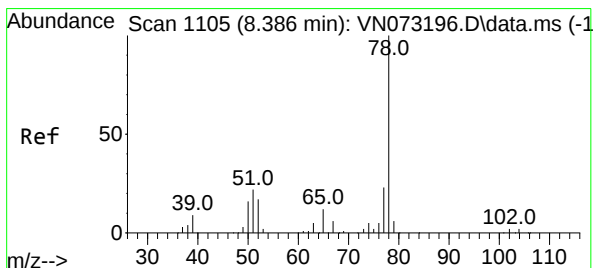
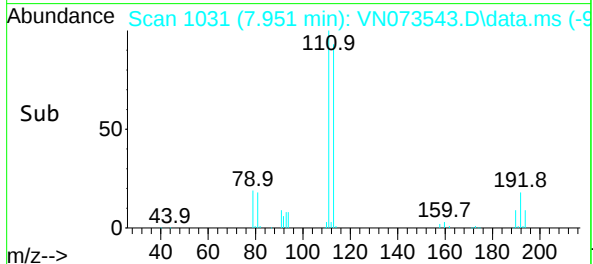
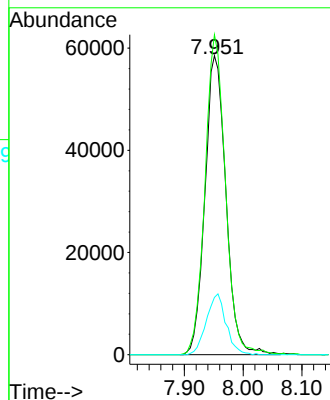
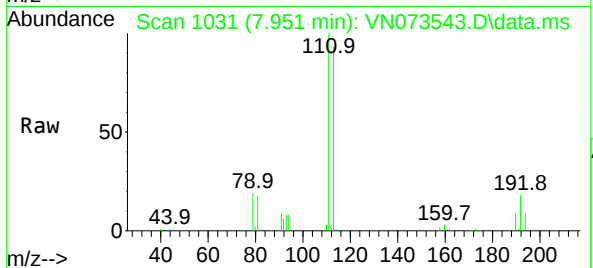
Tgt Ion:113 Resp: 145134

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

192 19.2 17.0 25.6



#40

Benzene

Concen: 20.690 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VN073543.D

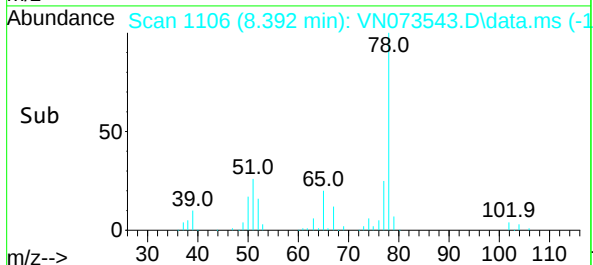
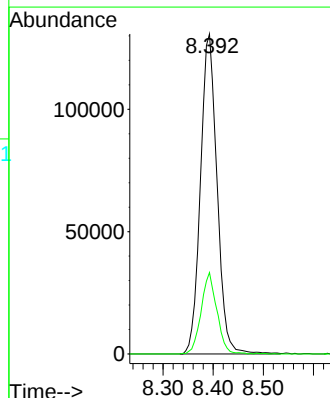
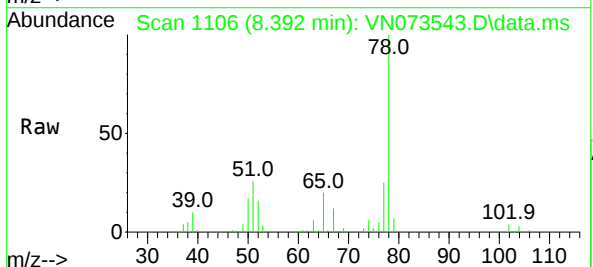
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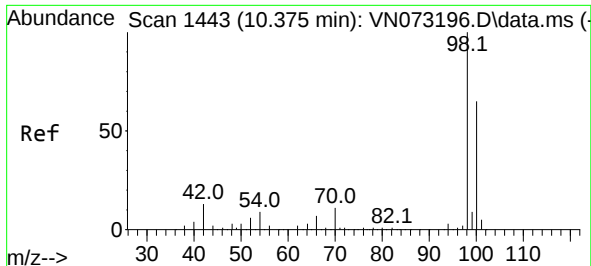
Tgt Ion: 78 Resp: 300557

Ion Ratio Lower Upper

78 100

77 25.5 19.4 29.0

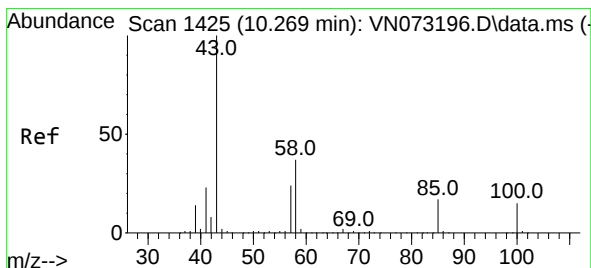
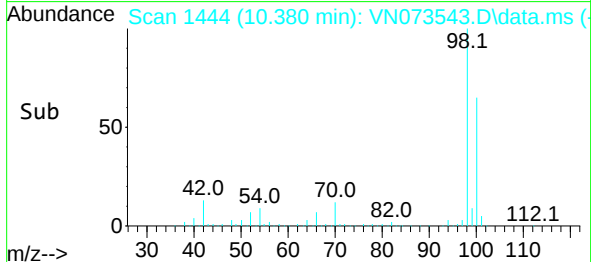
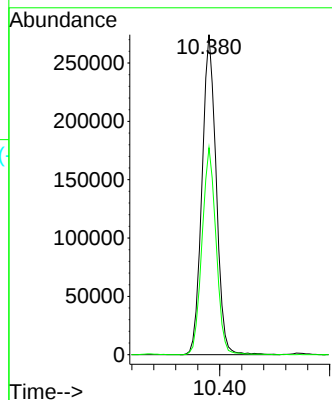
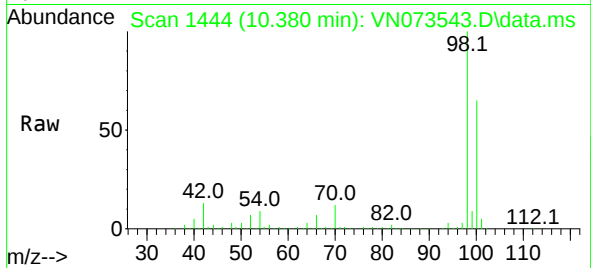




#50
Toluene-d8
Concen: 45.158 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

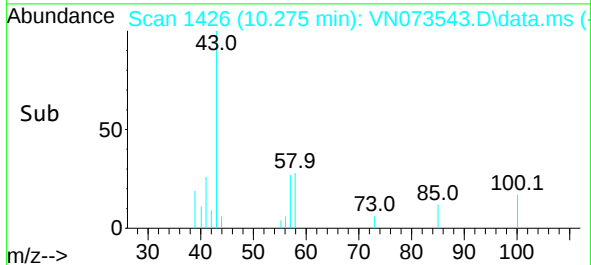
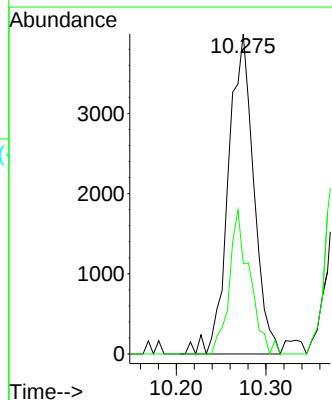
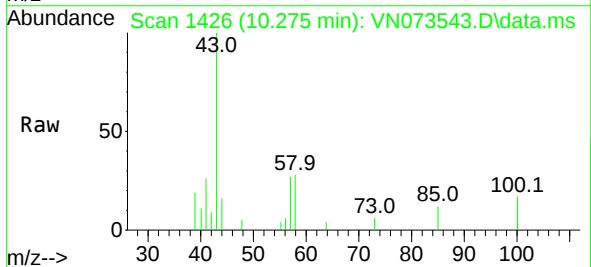
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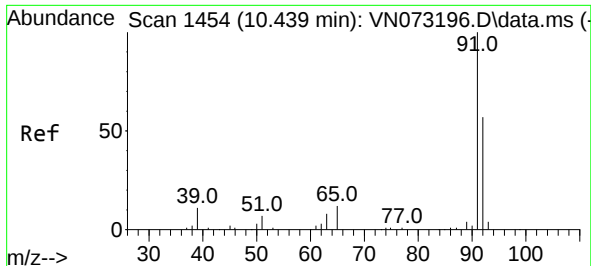
Tgt Ion: 98 Resp: 490651
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.207 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 7826
Ion Ratio Lower Upper
43 100
58 36.2 34.1 51.1

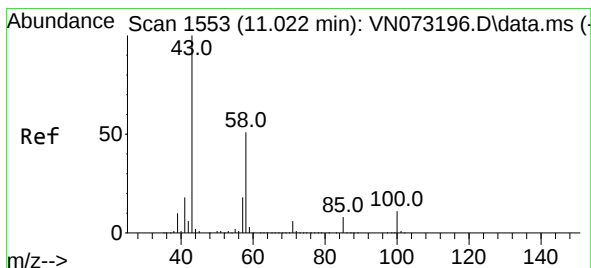
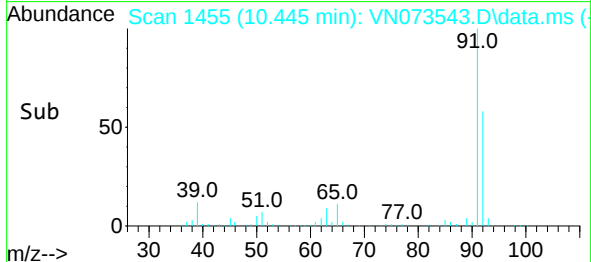
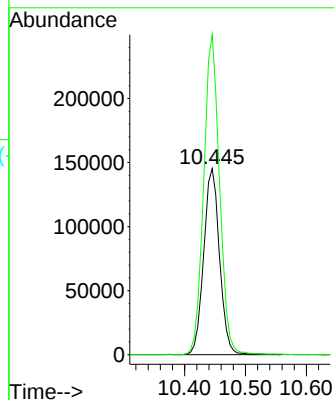
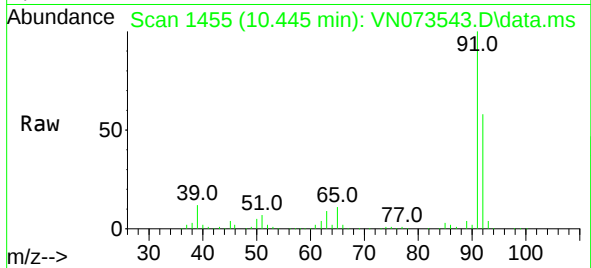




#52
Toluene
Concen: 29.175 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

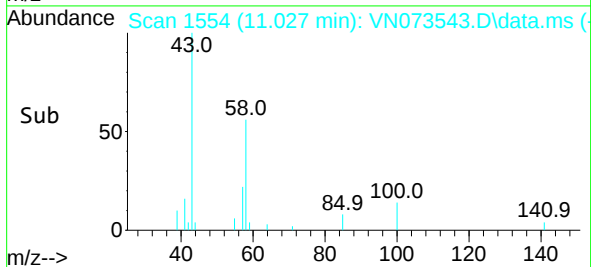
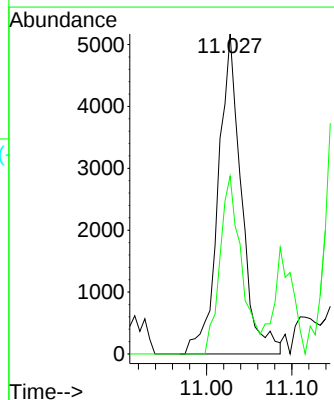
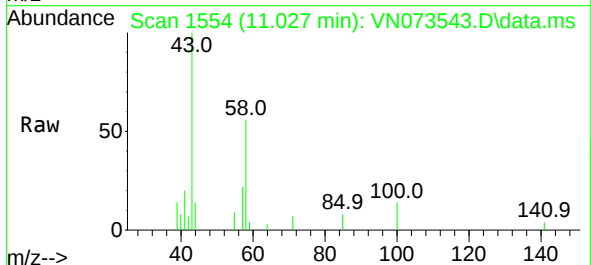
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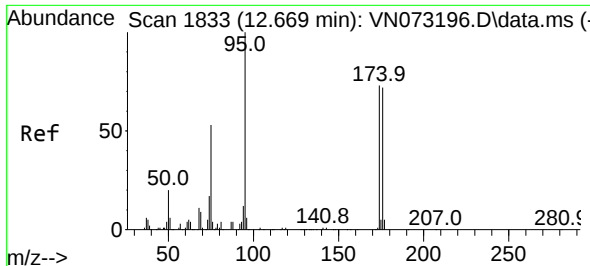
Tgt Ion: 92 Resp: 261923
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8



#59
2-Hexanone
Concen: 1.988 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.005 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 43 Resp: 9823
Ion Ratio Lower Upper
43 100
58 51.2 29.7 89.1

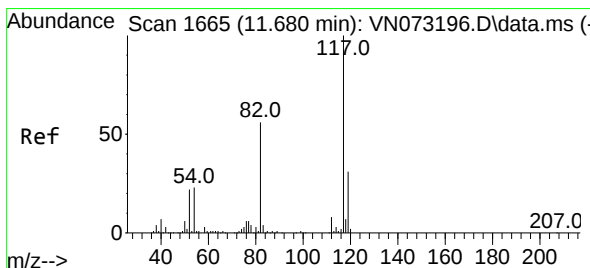
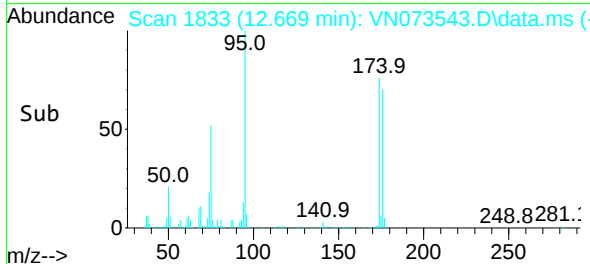
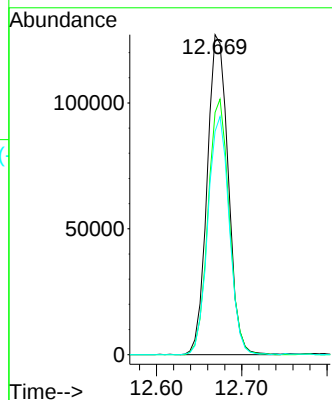
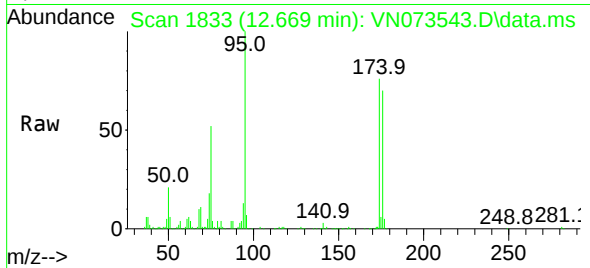




#62
4-Bromofluorobenzene
Concen: 52.287 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

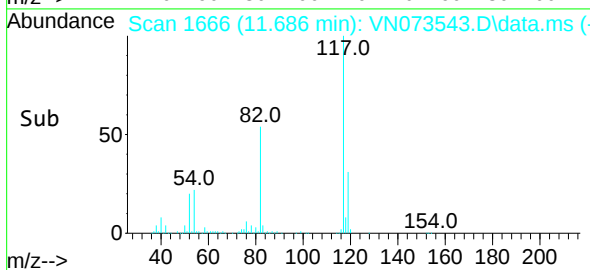
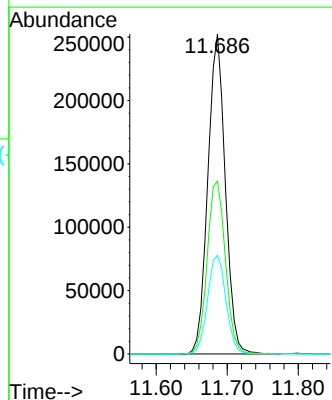
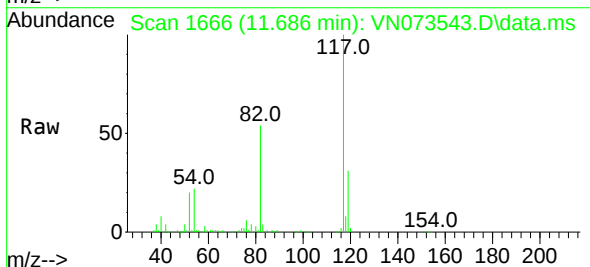
Instrument :
MSVOA_N
ClientSampleId :
070622-I

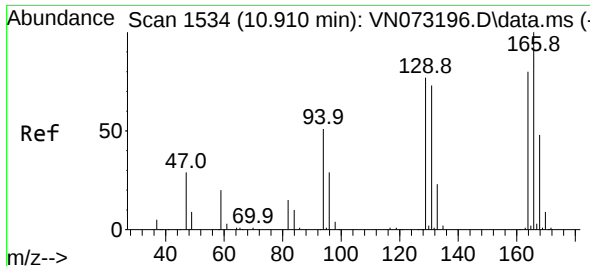
Tgt Ion: 95 Resp: 218319
Ion Ratio Lower Upper
95 100
174 79.8 0.0 167.6
176 75.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 117 Resp: 430969
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 30.8 25.4 38.0

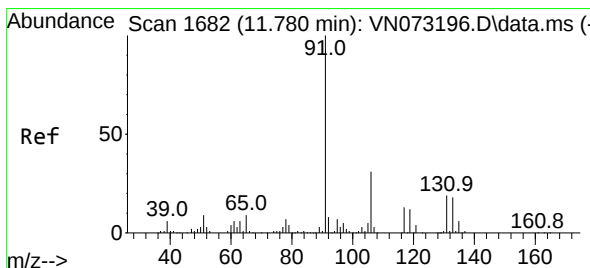
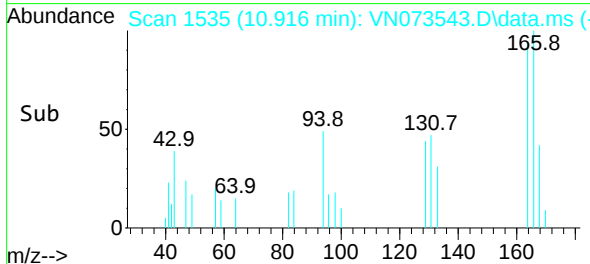
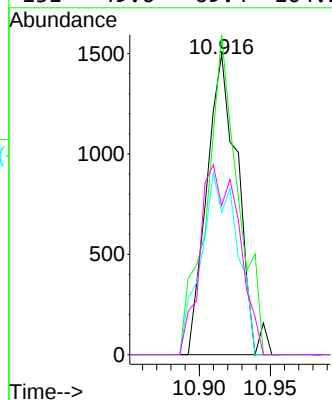
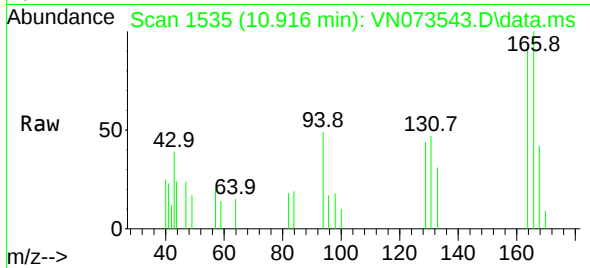




#64
Tetrachloroethene
Concen: 0.643 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

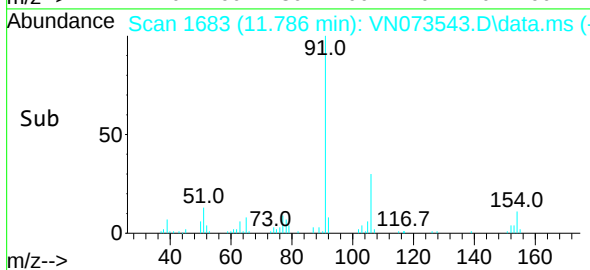
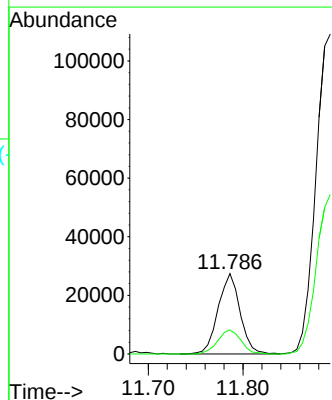
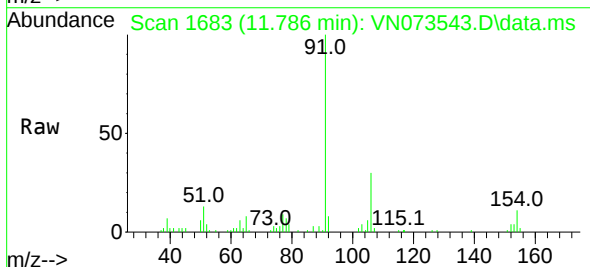
Instrument :
MSVOA_N
ClientSampleId :
070622-I

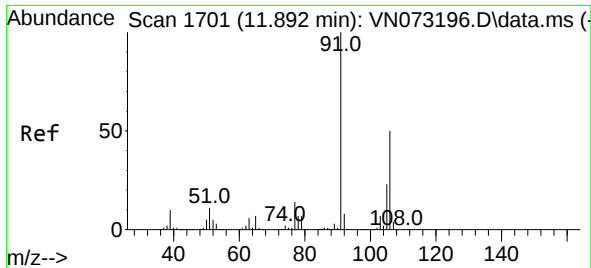
Tgt Ion:164 Resp: 2262
Ion Ratio Lower Upper
164 100
166 106.5 104.2 156.2
129 47.4 73.9 110.9#
131 49.6 69.4 104.2#



#67
Ethyl Benzene
Concen: 2.495 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion: 91 Resp: 44146
Ion Ratio Lower Upper
91 100
106 29.8 24.9 37.3

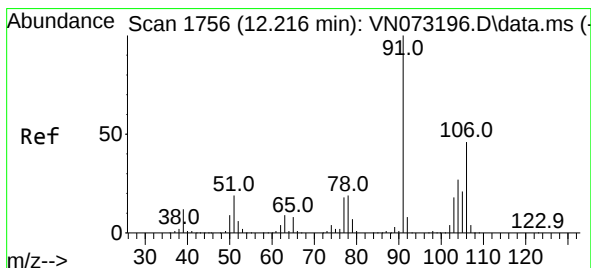
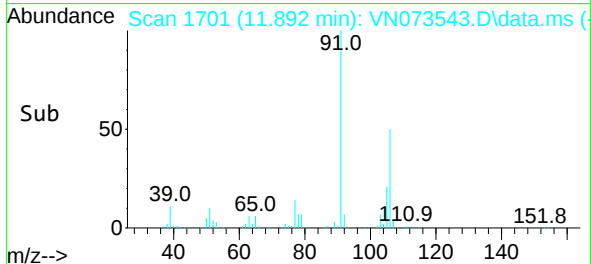
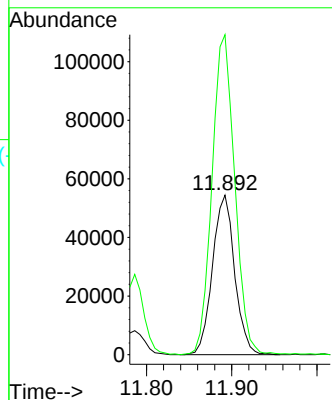
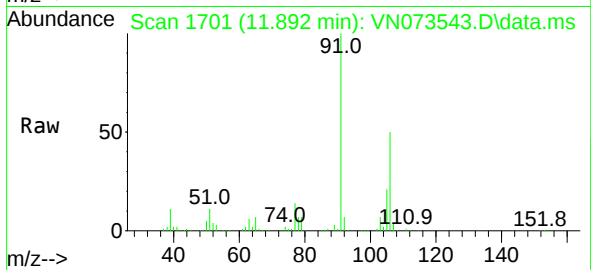




#68
m/p-Xylenes
Concen: 14.726 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

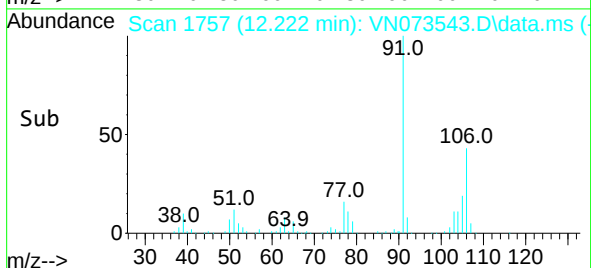
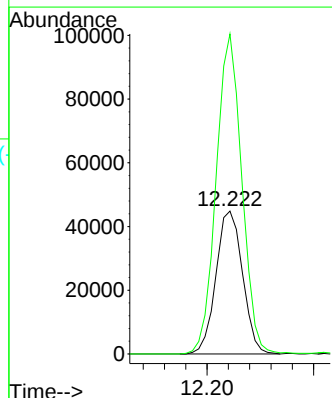
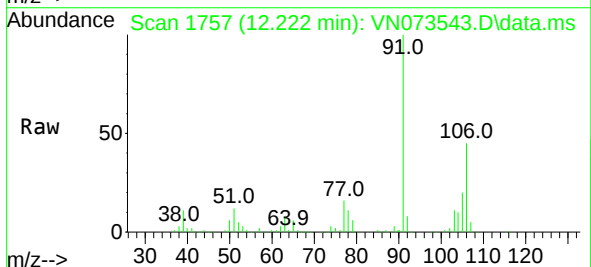
Instrument :
MSVOA_N
ClientSampleId :
070622-I

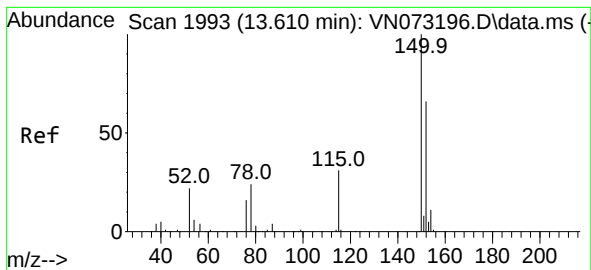
Tgt Ion:106 Resp: 98345
Ion Ratio Lower Upper
106 100
91 205.7 158.9 238.3



#69
o-Xylene
Concen: 11.397 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Tgt Ion:106 Resp: 77698
Ion Ratio Lower Upper
106 100
91 216.1 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073543.D

Acq: 20 Jul 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

070622-I

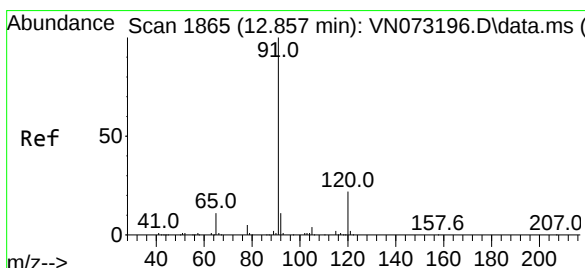
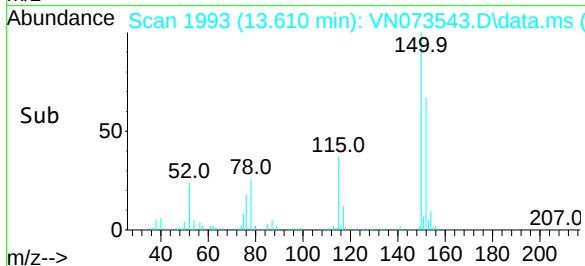
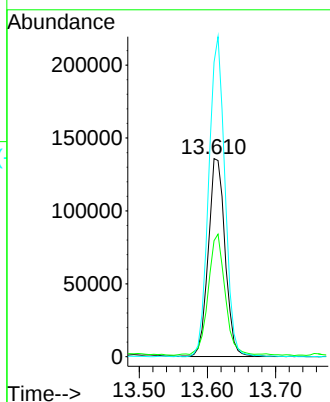
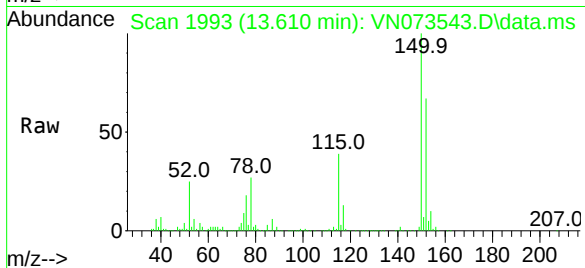
Tgt Ion:152 Resp: 232516

Ion Ratio Lower Upper

152 100

115 61.5 28.9 86.7

150 156.4 0.0 356.2



#78

n-propylbenzene

Concen: 0.276 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073543.D

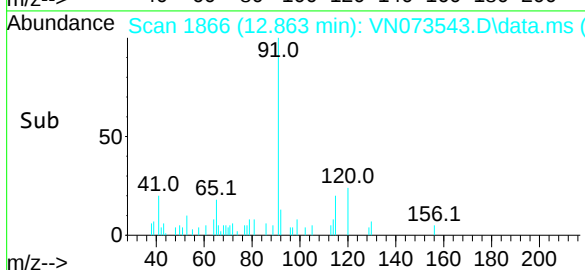
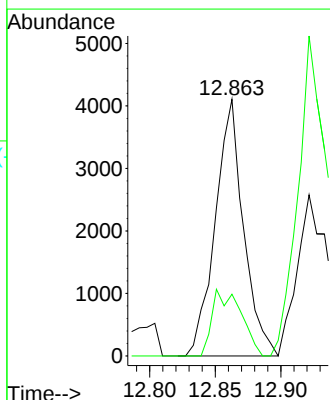
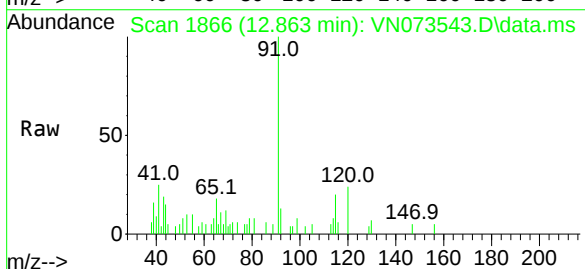
Acq: 20 Jul 2022 23:51

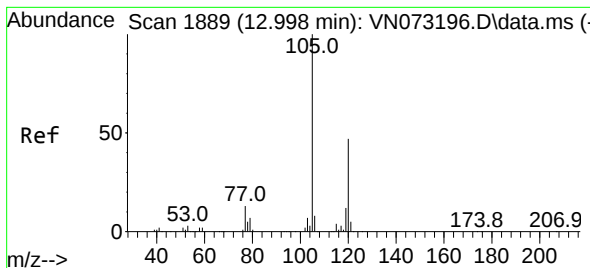
Tgt Ion: 91 Resp: 6150

Ion Ratio Lower Upper

91 100

120 26.4 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 1.663 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073543.D

Acq: 20 Jul 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

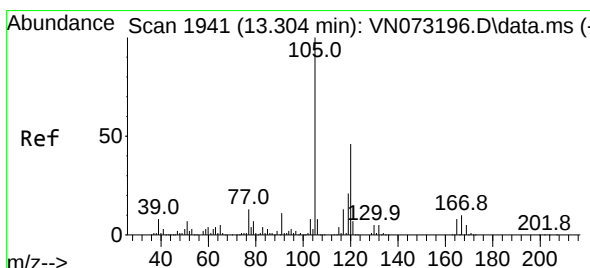
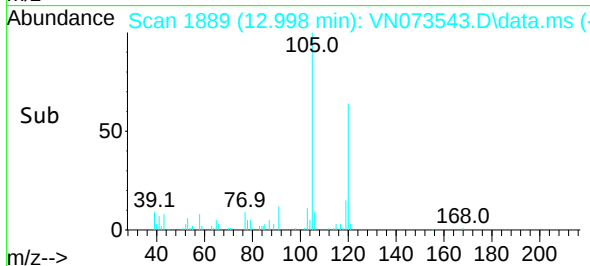
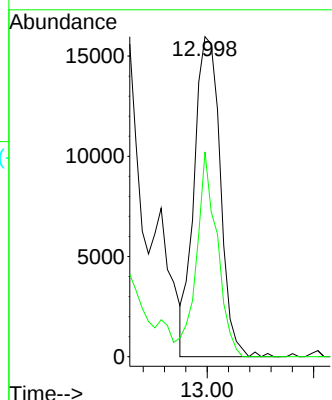
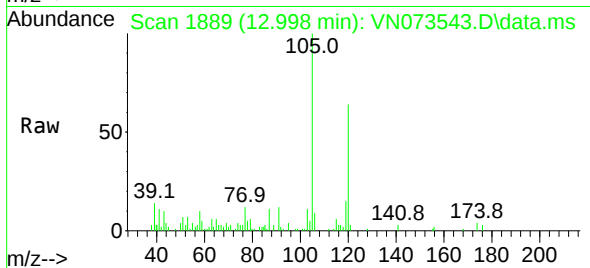
070622-I

Tgt Ion:105 Resp: 27218

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 5.544 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.006 min

Lab File: VN073543.D

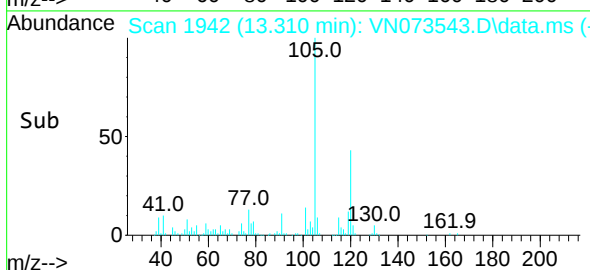
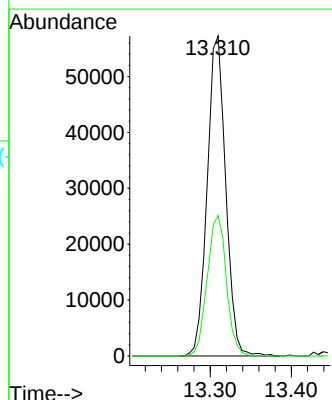
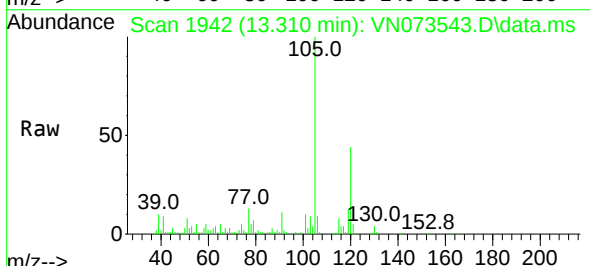
Acq: 20 Jul 2022 23:51

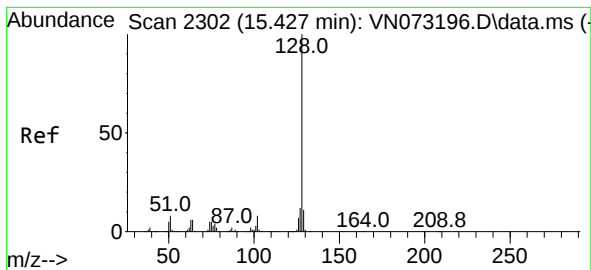
Tgt Ion:105 Resp: 90584

Ion Ratio Lower Upper

105 100

120 45.2 23.3 69.8





#95
Naphthalene
Concen: 200.227 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073543.D
Acq: 20 Jul 2022 23:51

Instrument :
MSVOA_N
ClientSampleId :
070622-I

Tgt Ion:128 Resp: 3588132
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.6 13.0

