

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040222\
 Data File : VN071808.D
 Acq On : 02 Apr 2022 19:22
 Operator : JC\MD
 Sample : N2200-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP033022

Quant Time: Apr 04 01:09:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

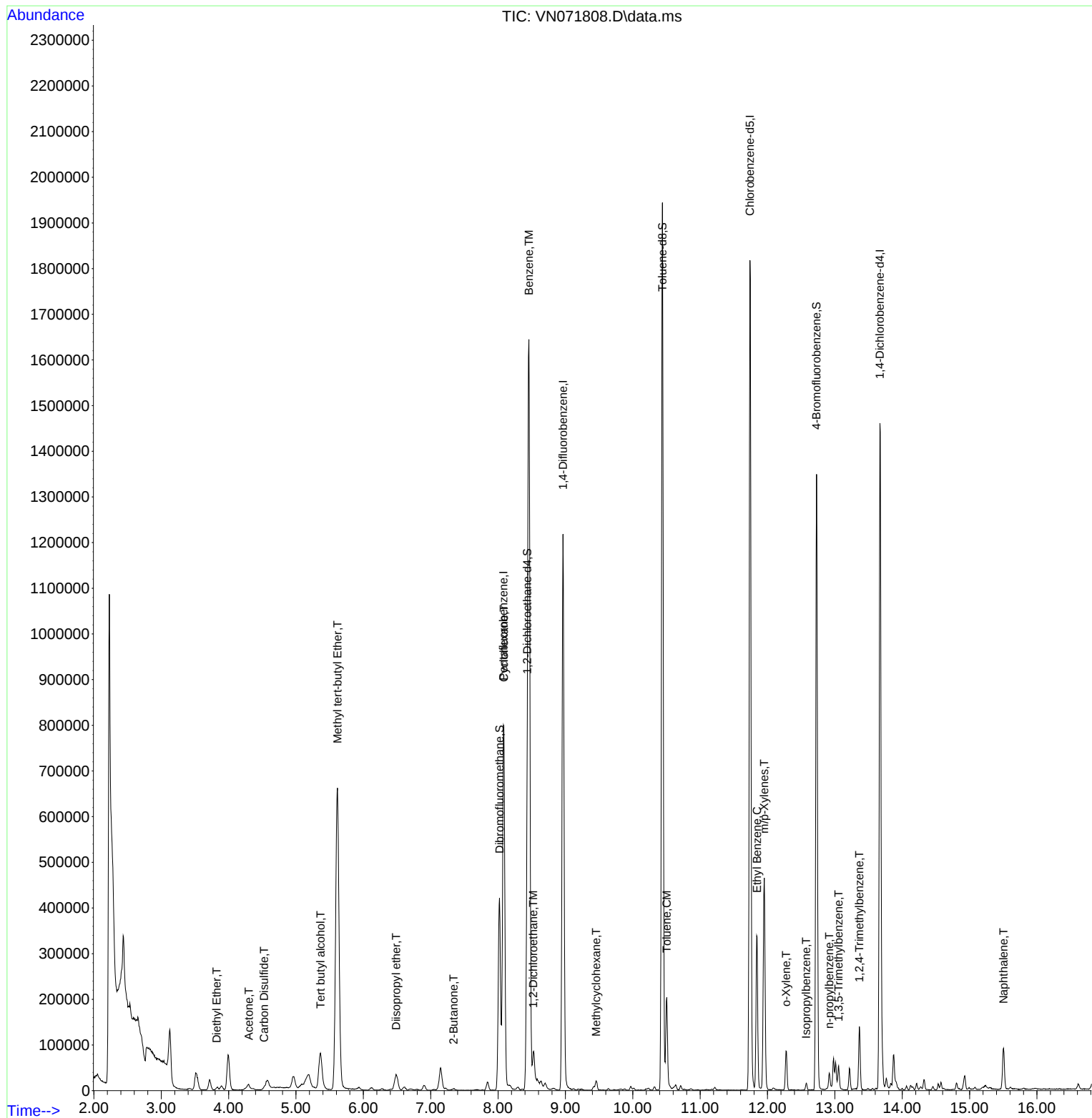
Internal Standards						
1) Pentafluorobenzene	8.081	168	649961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1107534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	430890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	369845	49.844	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.680%
35) Dibromofluoromethane	8.022	113	313183	48.055	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.100%
50) Toluene-d8	10.439	98	1394188	52.294	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.727	95	485328	56.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.580%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.822	74	3167	0.819	ug/l	80
11) Tert butyl alcohol	5.363	59	154856	128.602	ug/l	100
16) Acetone	4.299	43	19927	6.284	ug/l	93
17) Carbon Disulfide	4.528	76	15368	1.249	ug/l	99
19) Methyl tert-butyl Ether	5.616	73	1163193	58.362	ug/l	99
22) Diisopropyl ether	6.487	45	37019	1.953	ug/l #	88
25) 2-Butanone	7.340	43	5760	1.260	ug/l #	79
31) Cyclohexane	8.087	56	27297	2.705	ug/l #	70
39) Methylcyclohexane	9.457	83	8601	0.794	ug/l	90
40) Benzene	8.457	78	1644702	57.208	ug/l	100
42) 1,2-Dichloroethane	8.522	62	57795	5.811	ug/l	97
52) Toluene	10.504	92	87447	4.812	ug/l	99
67) Ethyl Benzene	11.845	91	257197	6.772	ug/l	98
68) m/p-Xylenes	11.951	106	162998	11.170	ug/l	100
69) o-Xylene	12.275	106	25893	1.788	ug/l	99
73) Isopropylbenzene	12.575	105	10549	0.291	ug/l	96
78) n-propylbenzene	12.916	91	28236	0.739	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	24880	0.865	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	78759	2.806	ug/l	100
95) Naphthalene	15.504	128	90818	8.079	ug/l	99

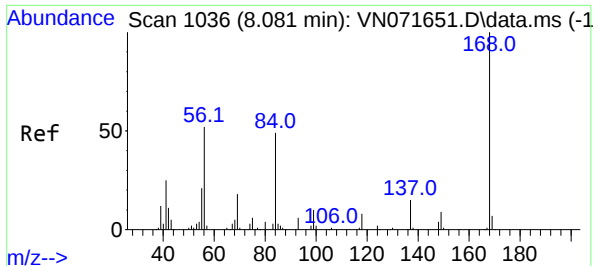
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 04 01:09:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

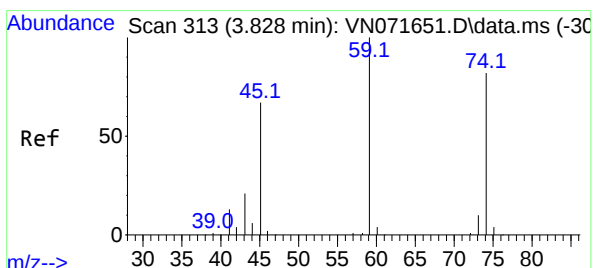
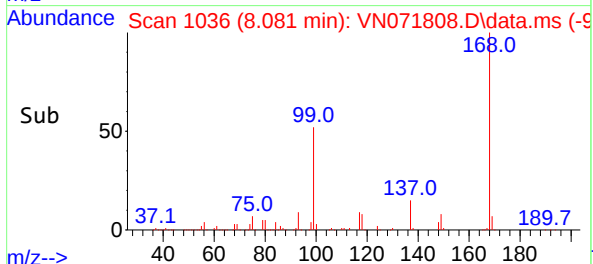
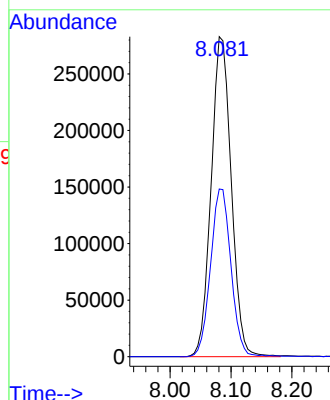
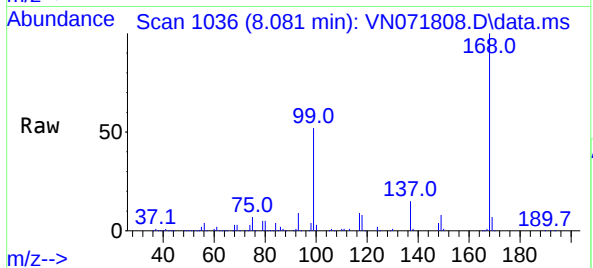




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

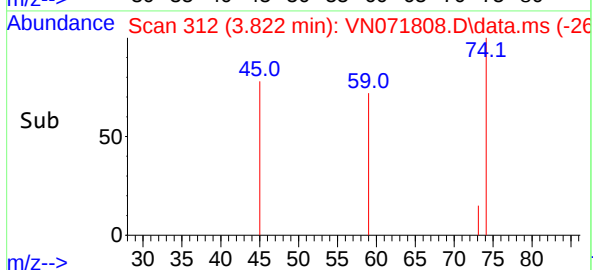
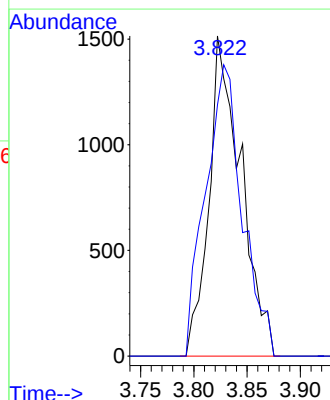
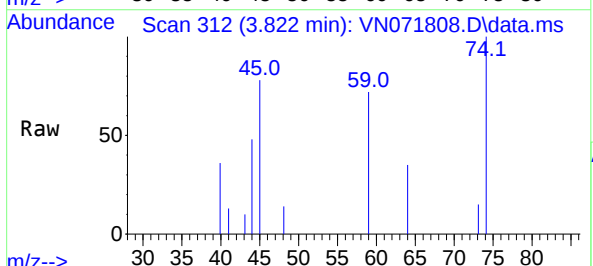
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

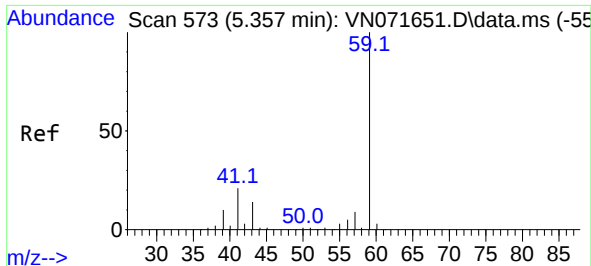
Tgt Ion:168 Resp: 649961
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#8
Diethyl Ether
Concen: 0.819 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 74 Resp: 3167
Ion Ratio Lower Upper
74 100
45 104.5 42.9 128.5

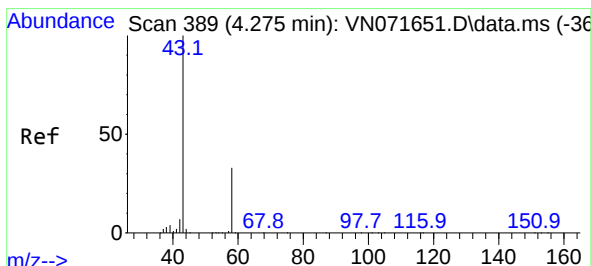
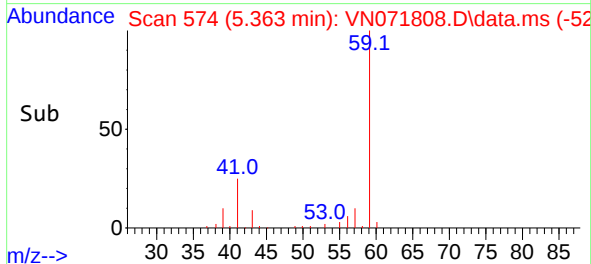
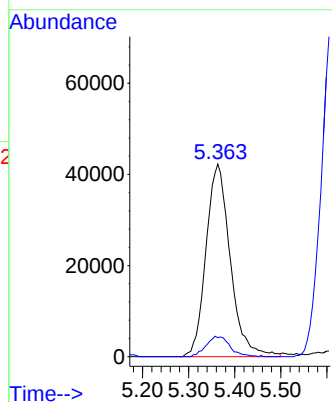
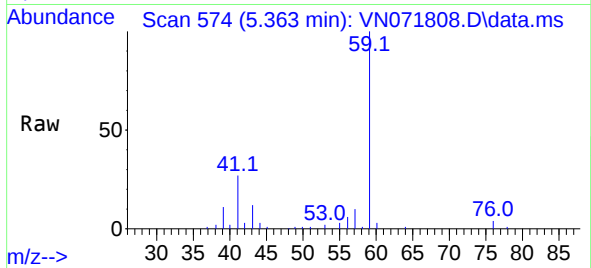




#11
Tert butyl alcohol
Concen: 128.602 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

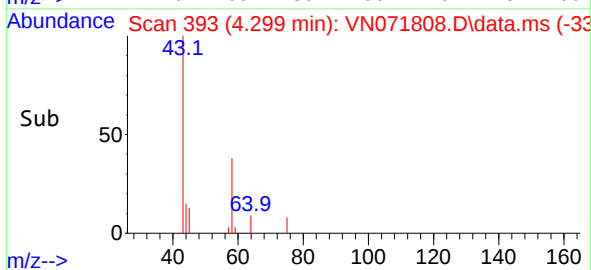
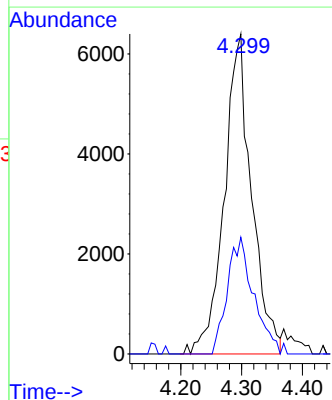
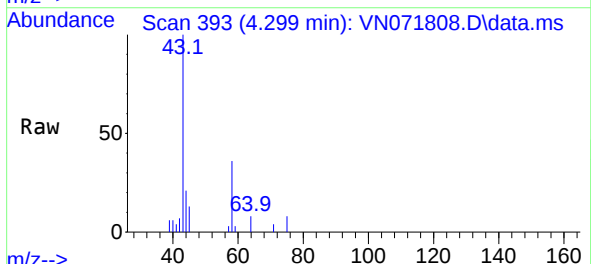
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

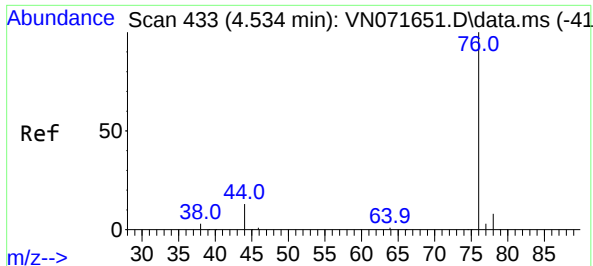
Tgt Ion: 59 Resp: 154856
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#16
Acetone
Concen: 6.284 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 43 Resp: 19927
Ion Ratio Lower Upper
43 100
58 36.5 26.0 39.0





#17

Carbon Disulfide

Concen: 1.249 ug/l

RT: 4.528 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN071808.D

Acq: 02 Apr 2022 19:22

Instrument :

MSVOA_N

ClientSampleId :

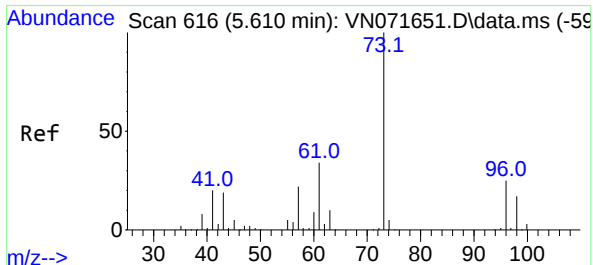
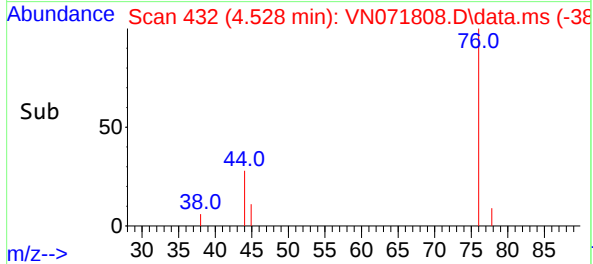
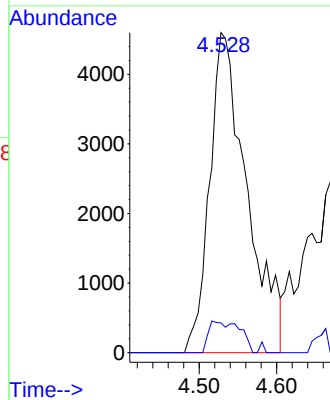
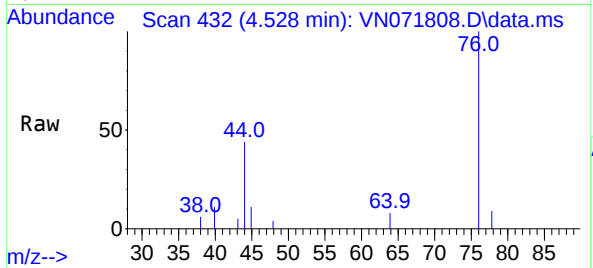
DUP033022

Tgt Ion: 76 Resp: 15368

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#19

Methyl tert-butyl Ether

Concen: 58.362 ug/l

RT: 5.616 min Scan# 617

Delta R.T. 0.006 min

Lab File: VN071808.D

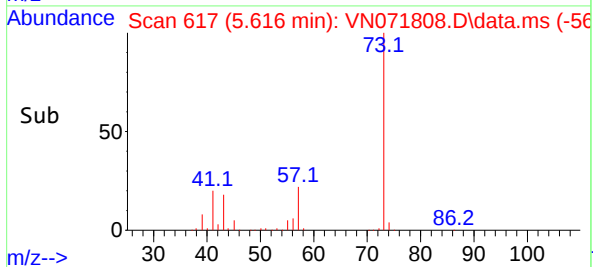
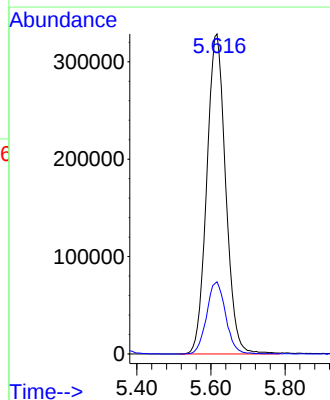
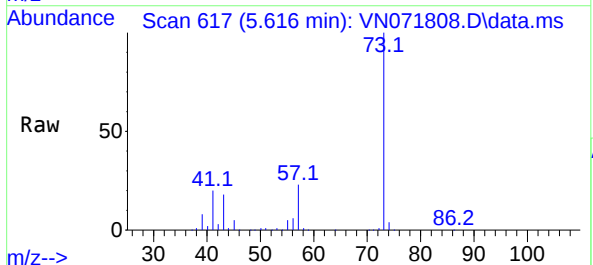
Acq: 02 Apr 2022 19:22

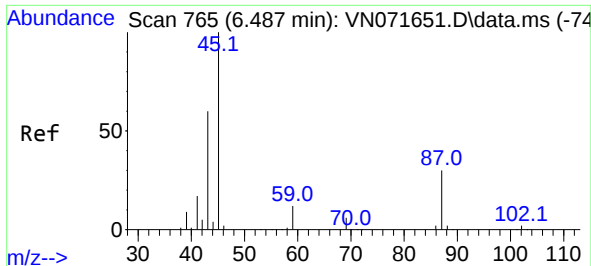
Tgt Ion: 73 Resp: 1163193

Ion Ratio Lower Upper

73 100

57 22.6 17.6 26.4

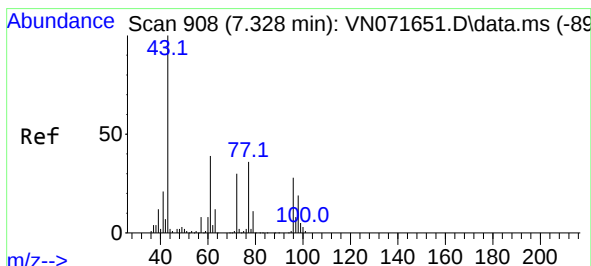
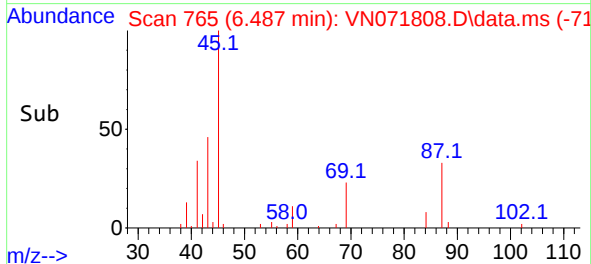
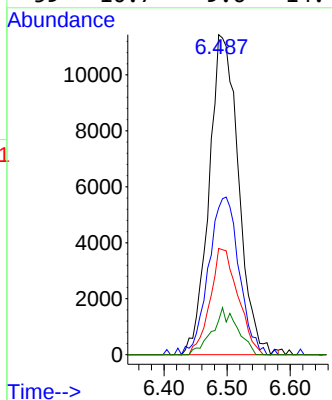
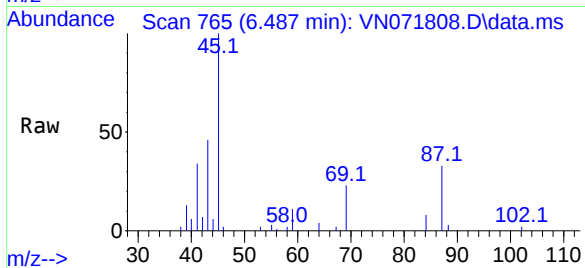




#22
Diisopropyl ether
Concen: 1.953 ug/l
RT: 6.487 min Scan# 701
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

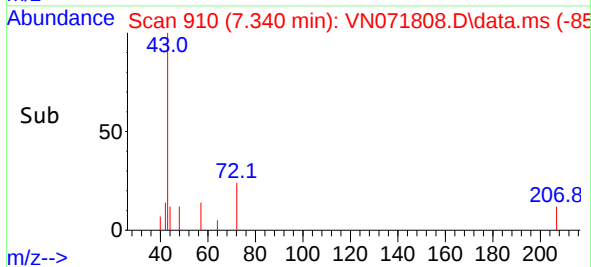
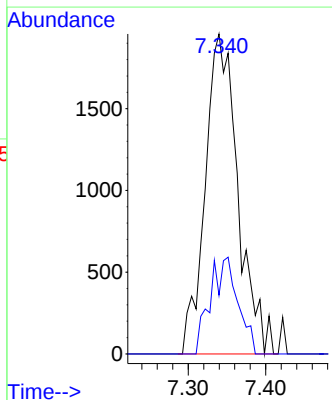
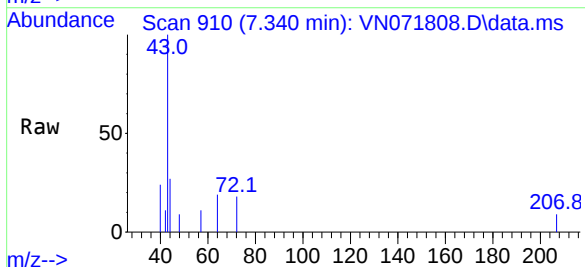
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

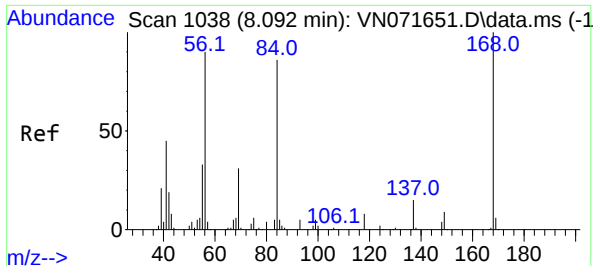
Tgt Ion:	45	Resp:	37019
Ion	Ratio	Lower	Upper
45	100		
43	45.9	46.6	70.0#
87	33.2	24.3	36.5
59	10.7	9.6	14.4



#25
2-Butanone
Concen: 1.260 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion:	43	Resp:	5760
Ion	Ratio	Lower	Upper
43	100		
72	18.3	23.7	35.5#

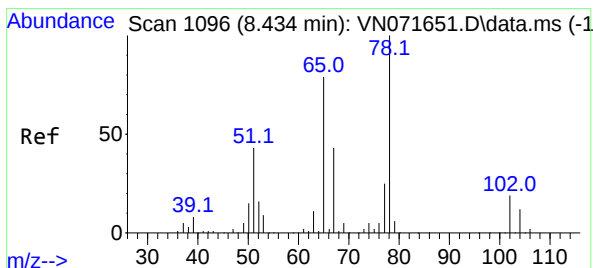
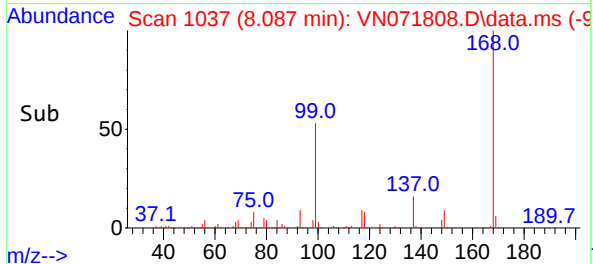
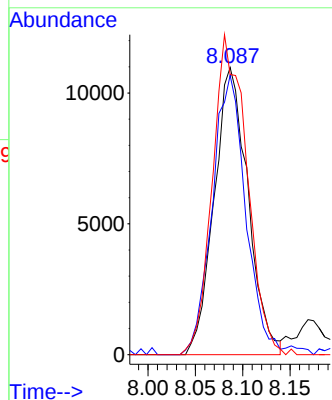
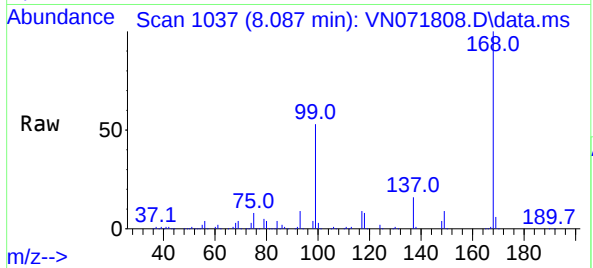




#31
Cyclohexane
Concen: 2.705 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

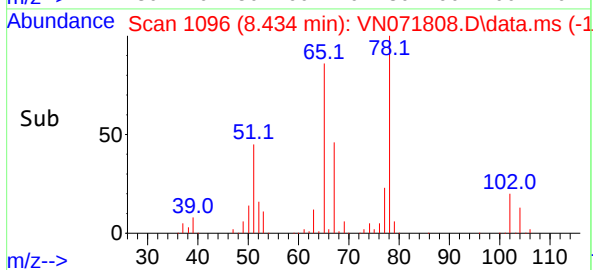
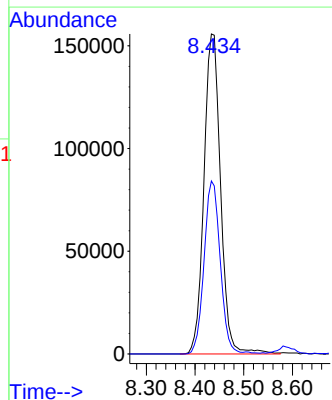
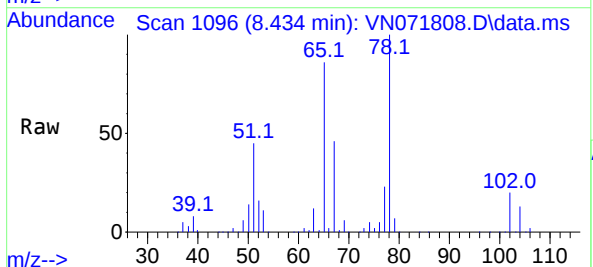
Instrument :
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ClientSampleId :
DUP033022

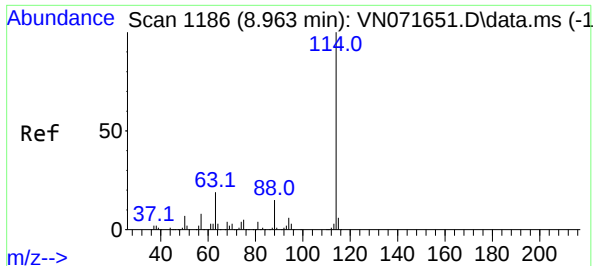
Tgt Ion: 56 Resp: 27297
Ion Ratio Lower Upper
56 100
69 97.3 27.8 41.8#
84 97.5 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 49.844 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 65 Resp: 369845
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071808.D

Acq: 02 Apr 2022 19:22

Instrument :

MSVOA_N

ClientSampleId :

DUP033022

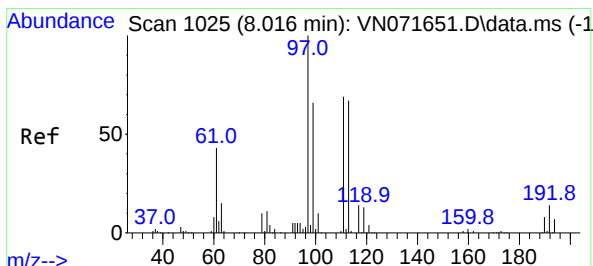
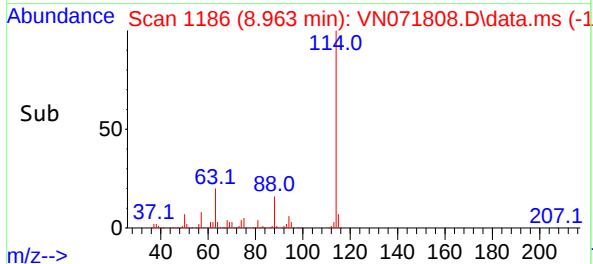
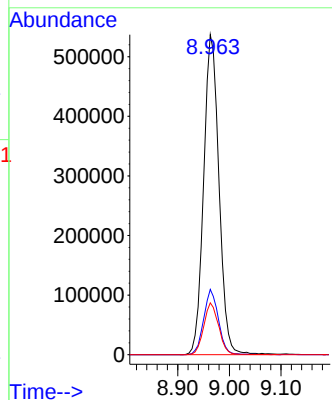
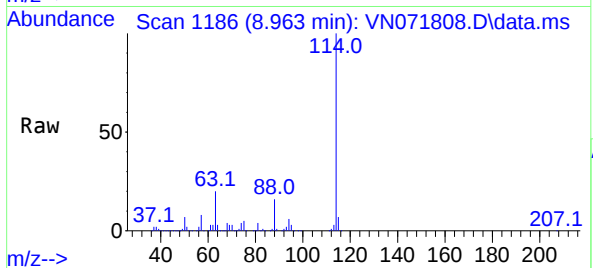
Tgt Ion:114 Resp: 1107534

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.055 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071808.D

Acq: 02 Apr 2022 19:22

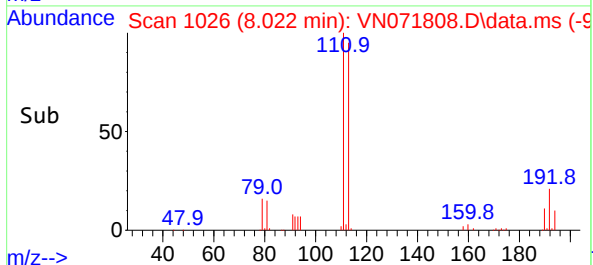
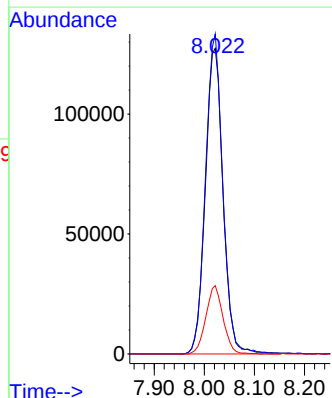
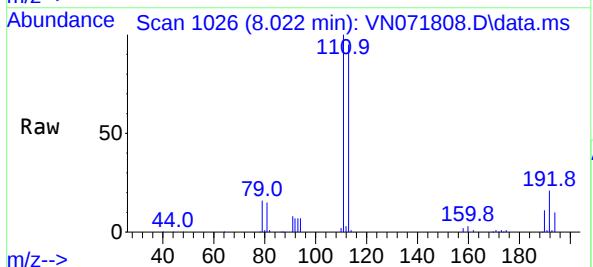
Tgt Ion:113 Resp: 313183

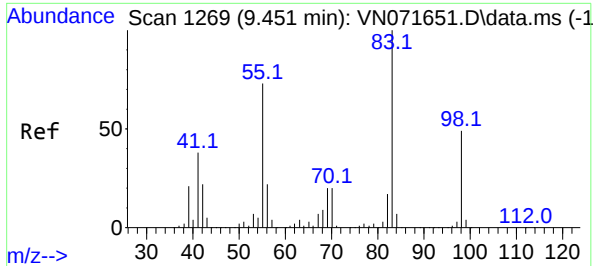
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 21.6 17.0 25.6



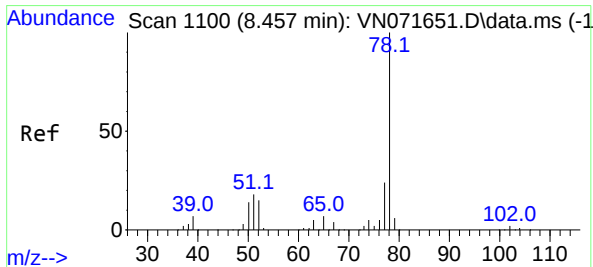
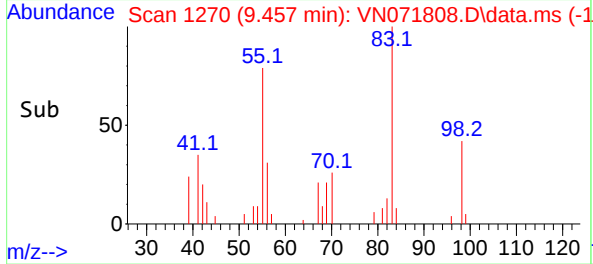
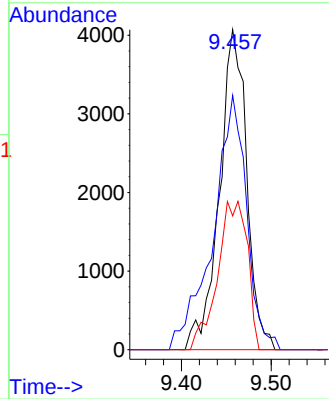
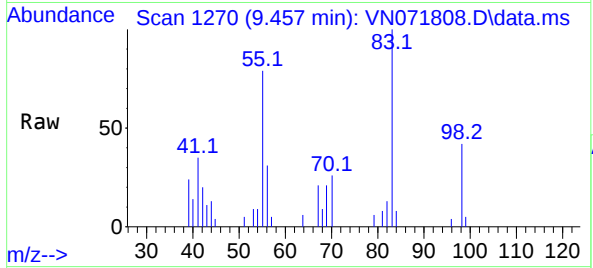


#39
Methylcyclohexane
Concen: 0.794 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :
DUP033022

Tgt Ion: 83 Resp: 8601

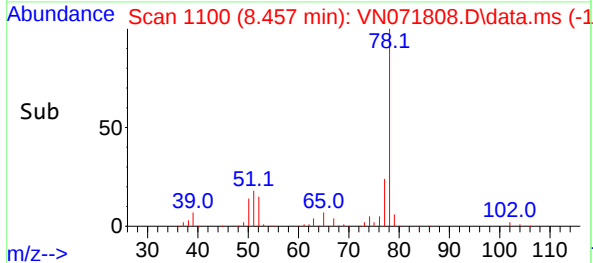
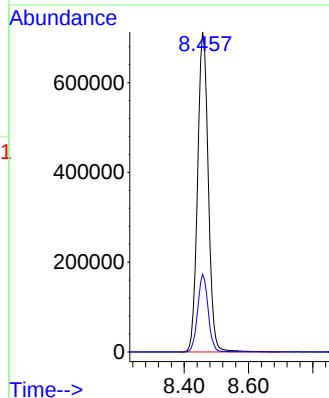
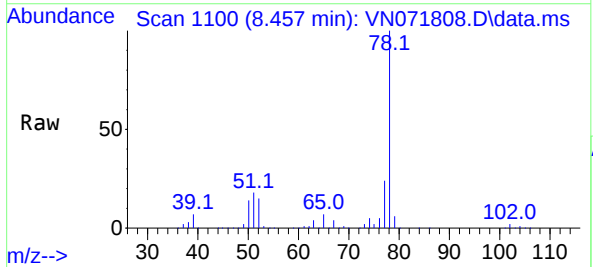
Ion	Ratio	Lower	Upper
83	100		
55	79.4	57.8	86.8
98	41.8	39.4	59.2

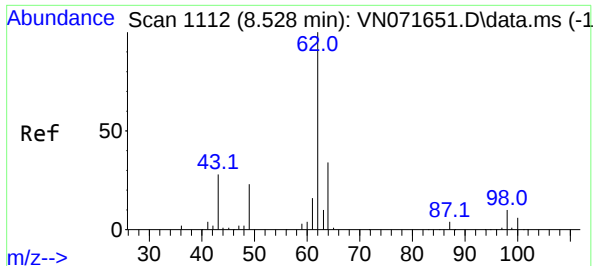


#40
Benzene
Concen: 57.208 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 78 Resp: 1644702

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0

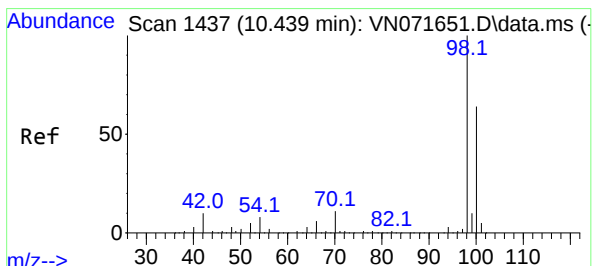
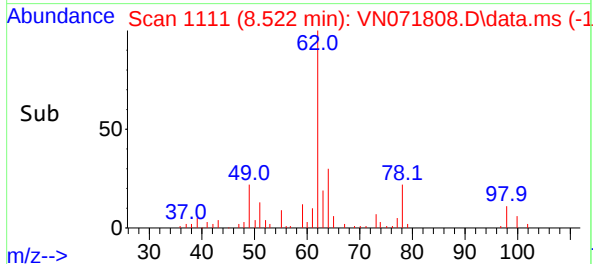
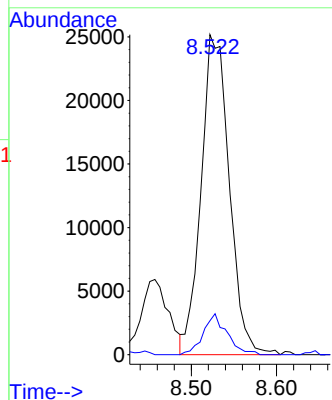
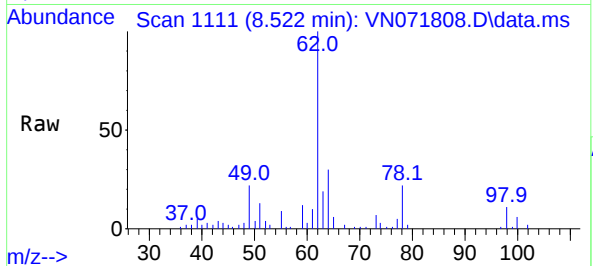




#42
1,2-Dichloroethane
Concen: 5.811 ug/l
RT: 8.522 min Scan# 1112
Delta R.T. -0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

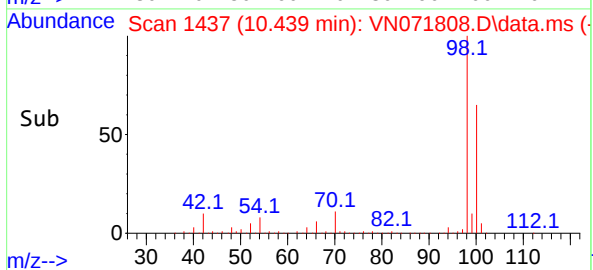
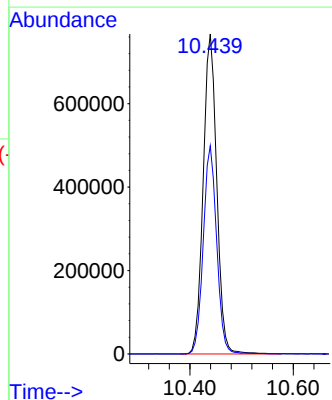
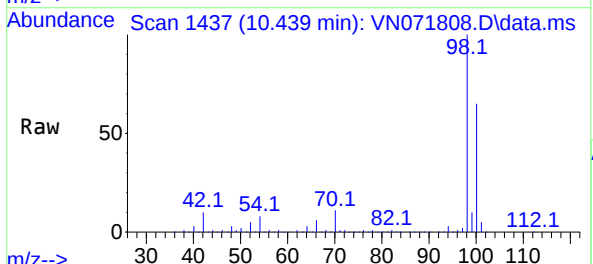
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

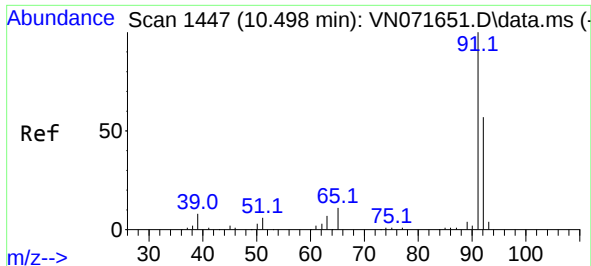
Tgt Ion: 62 Resp: 57795
Ion Ratio Lower Upper
62 100
98 10.8 0.0 19.4



#50
Toluene-d8
Concen: 52.294 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 98 Resp: 1394188
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

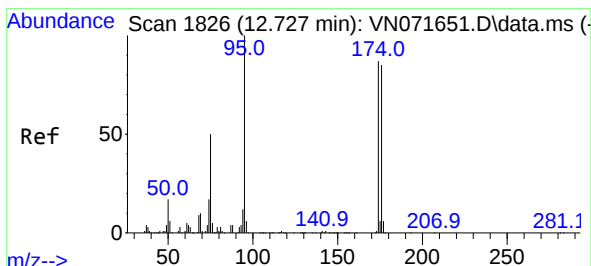
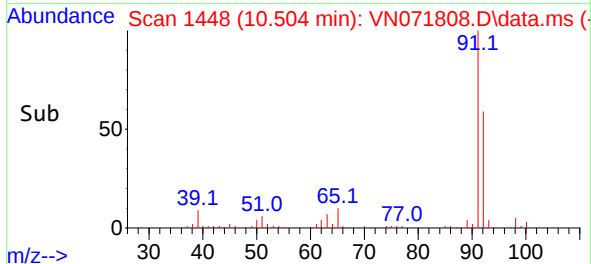
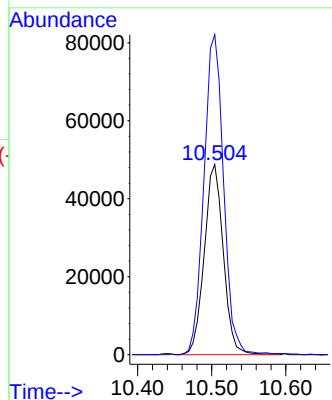
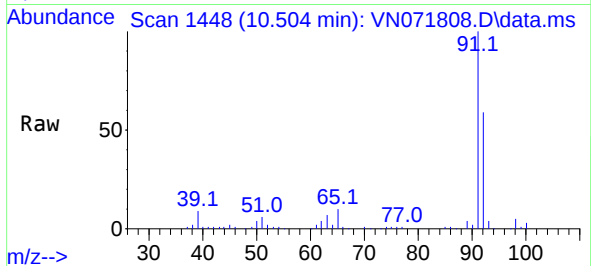




#52
Toluene
Concen: 4.812 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

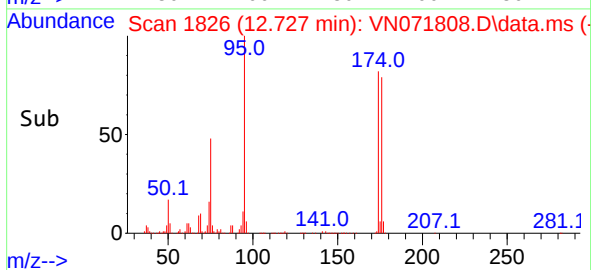
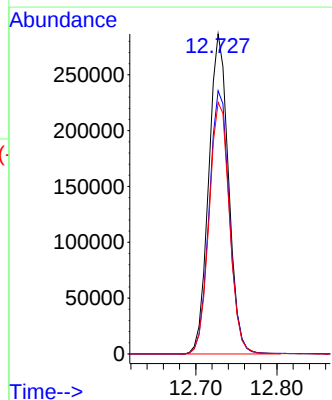
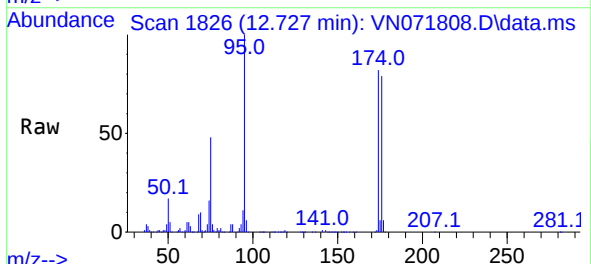
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

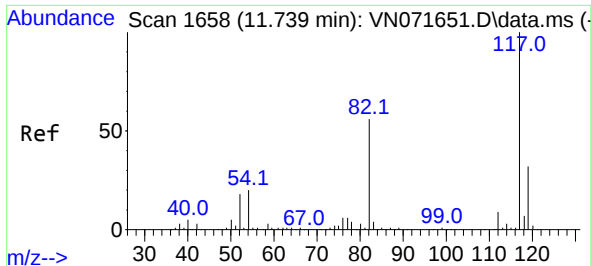
Tgt Ion: 92 Resp: 87447
Ion Ratio Lower Upper
92 100
91 174.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 56.287 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 95 Resp: 485328
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 80.6 0.0 163.4

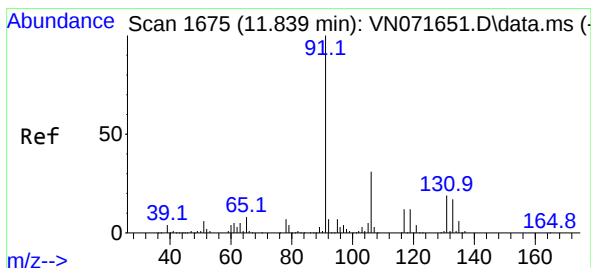
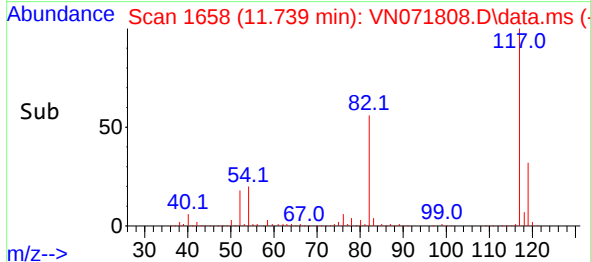
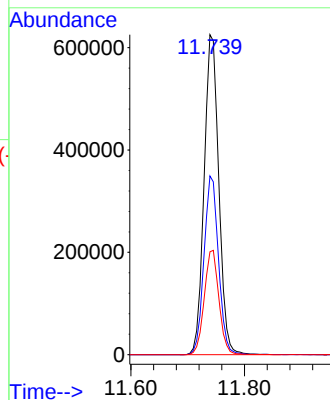
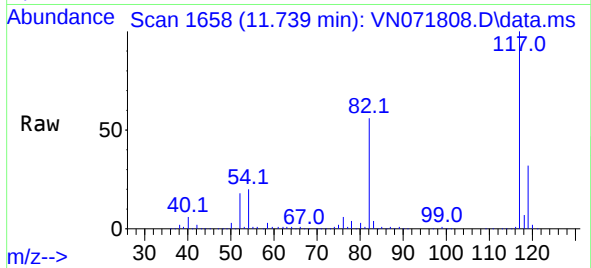




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

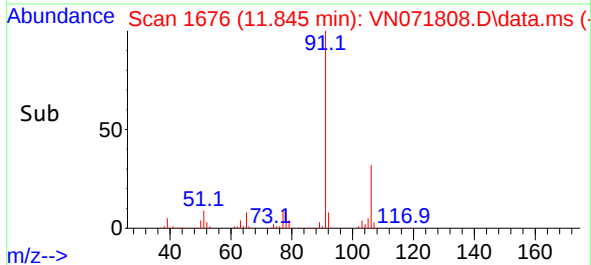
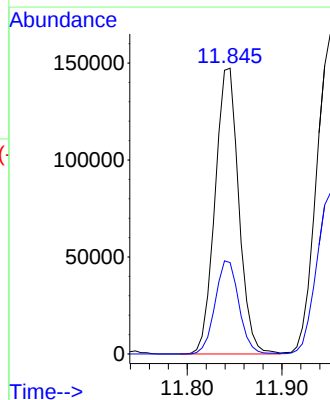
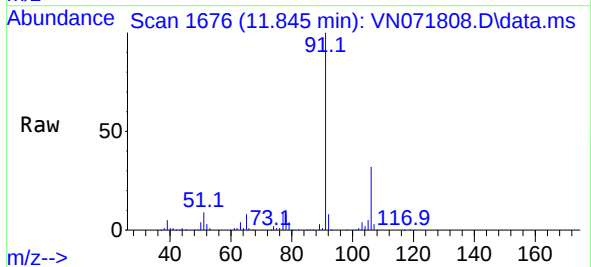
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

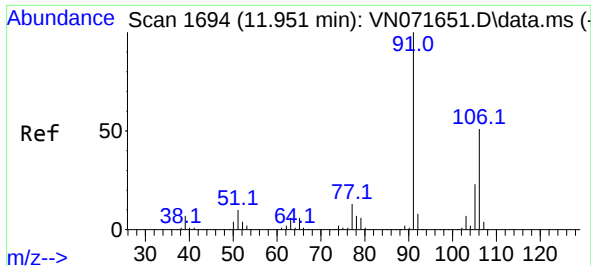
Tgt Ion:117 Resp: 1120417
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 6.772 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 91 Resp: 257197
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3

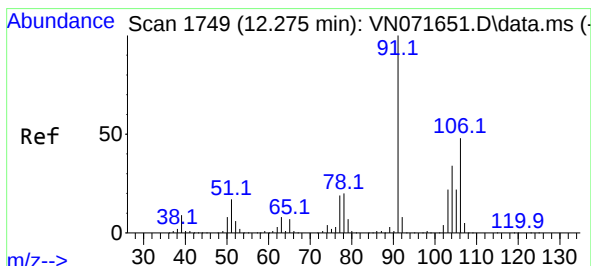
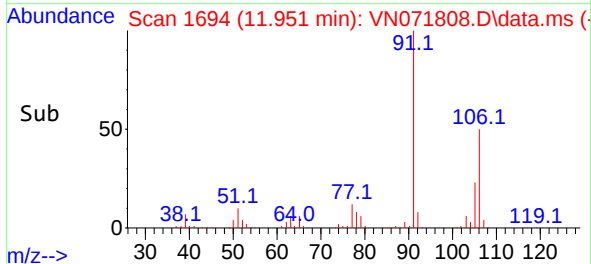
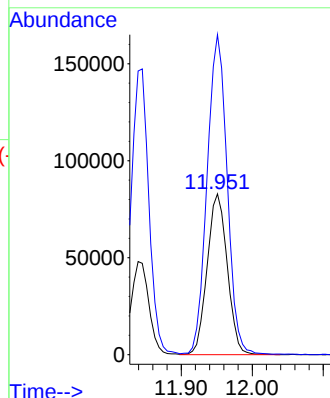
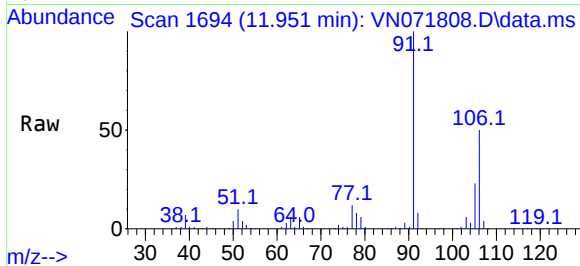




#68
m/p-Xylenes
Concen: 11.170 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

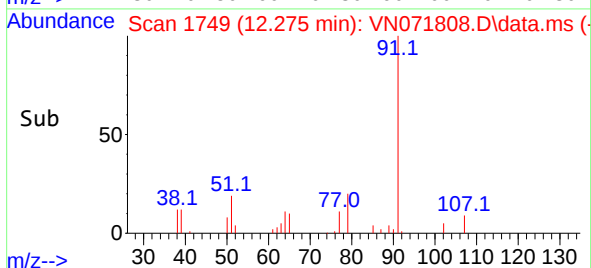
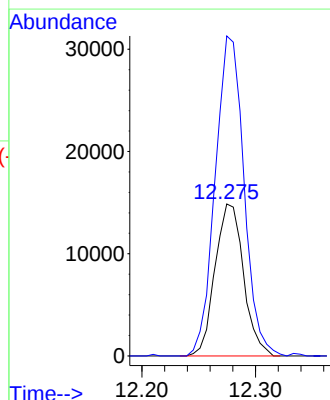
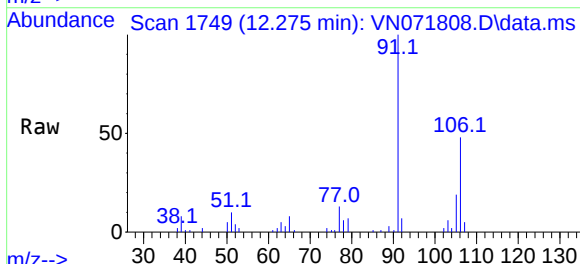
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

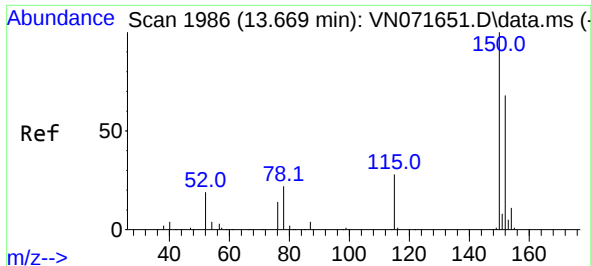
Tgt Ion:106 Resp: 162998
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3



#69
o-Xylene
Concen: 1.788 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion:106 Resp: 25893
Ion Ratio Lower Upper
106 100
91 212.9 106.0 318.0

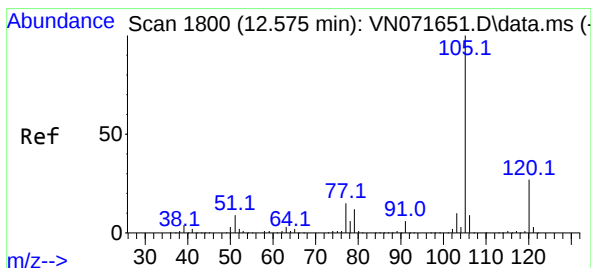
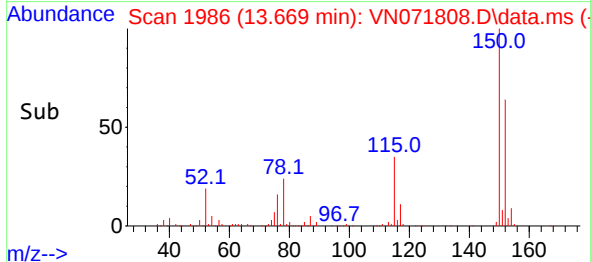
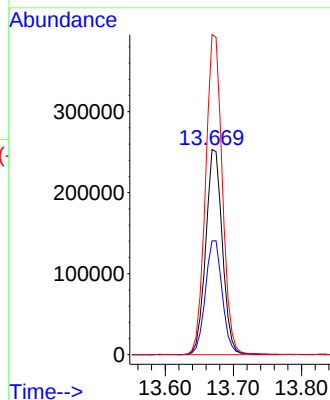
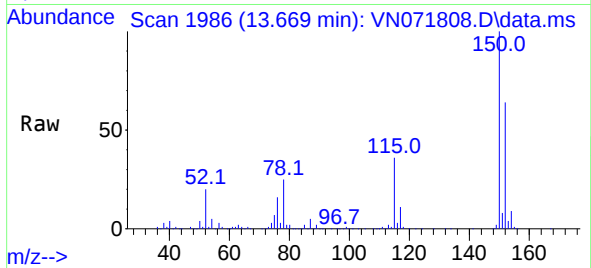




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

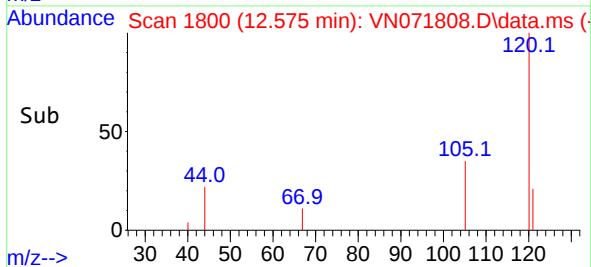
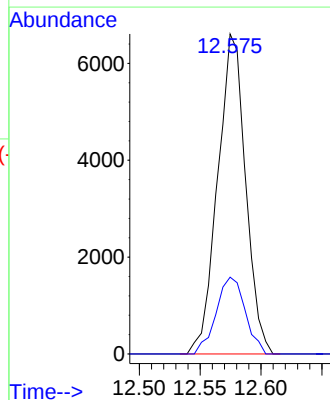
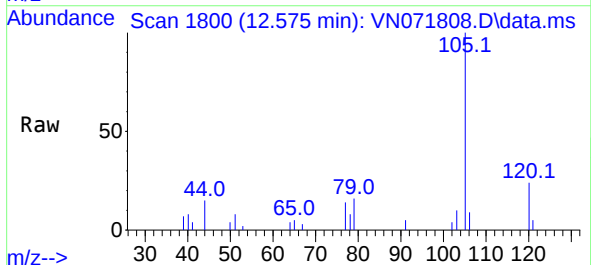
Instrument :
MSVOA_N
ClientSampleId :
DUP033022

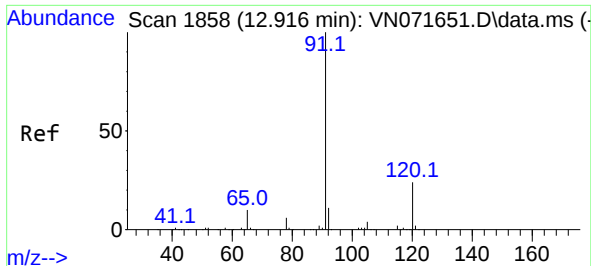
Tgt Ion:152 Resp: 430890
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 156.9 0.0 356.2



#73
Isopropylbenzene
Concen: 0.291 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion:105 Resp: 10549
Ion Ratio Lower Upper
105 100
120 25.0 13.5 40.4

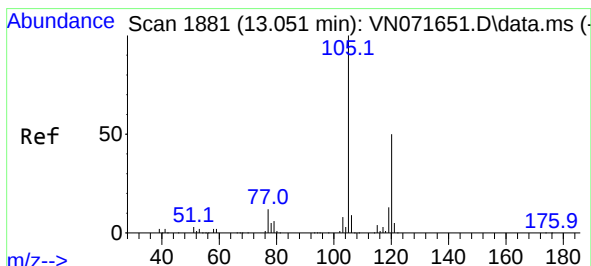
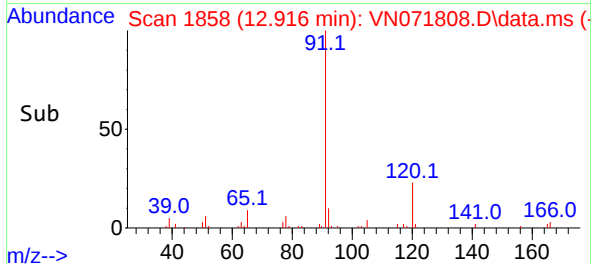
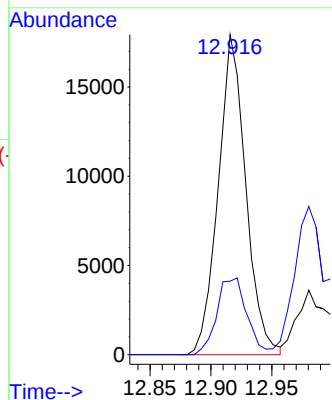
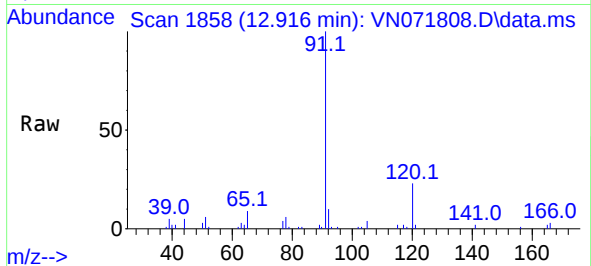




#78
n-propylbenzene
Concen: 0.739 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

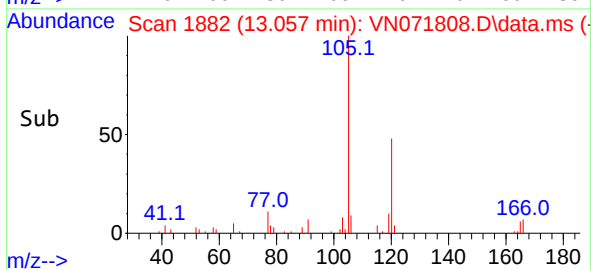
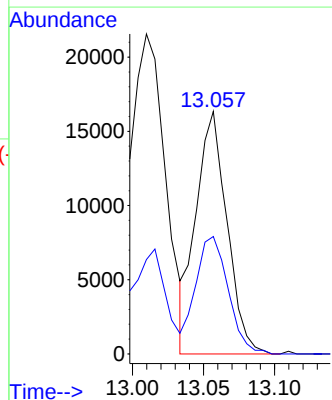
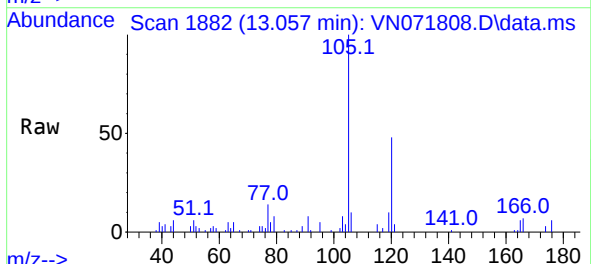
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ClientSampleId :
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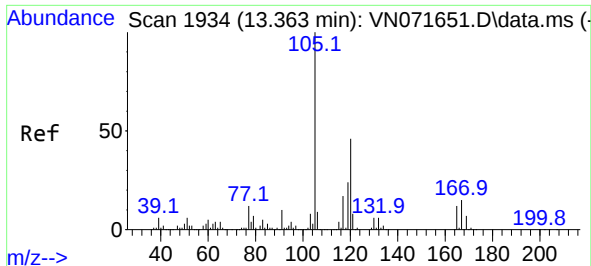
Tgt Ion: 91 Resp: 28236
Ion Ratio Lower Upper
91 100
120 25.9 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.865 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion: 105 Resp: 24880
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.7

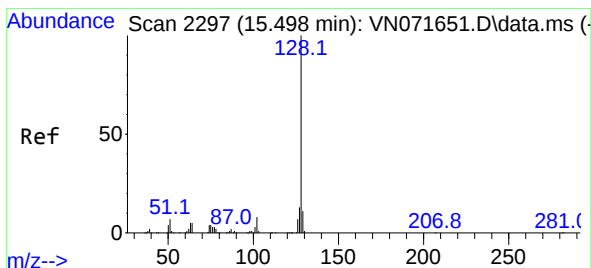
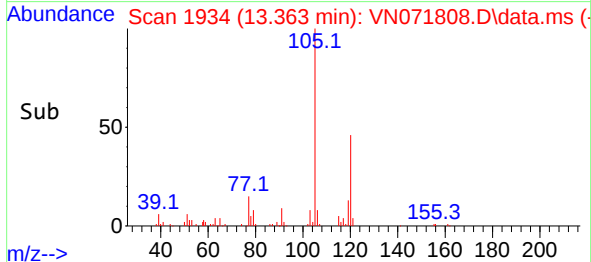
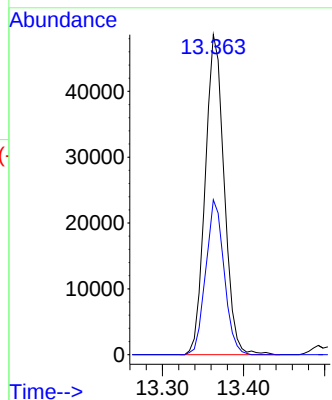
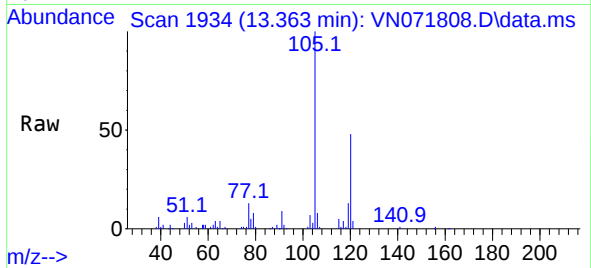




#84
1,2,4-Trimethylbenzene
Concen: 2.806 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :
DUP033022

Tgt Ion:105 Resp: 78759
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8



#95
Naphthalene
Concen: 8.079 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071808.D
Acq: 02 Apr 2022 19:22

Tgt Ion:128 Resp: 90818
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.6 8.6 13.0

