

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072113.D
 Acq On : 21 Apr 2022 06:19
 Operator : JC\MD
 Sample : N2482-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:16:50 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)

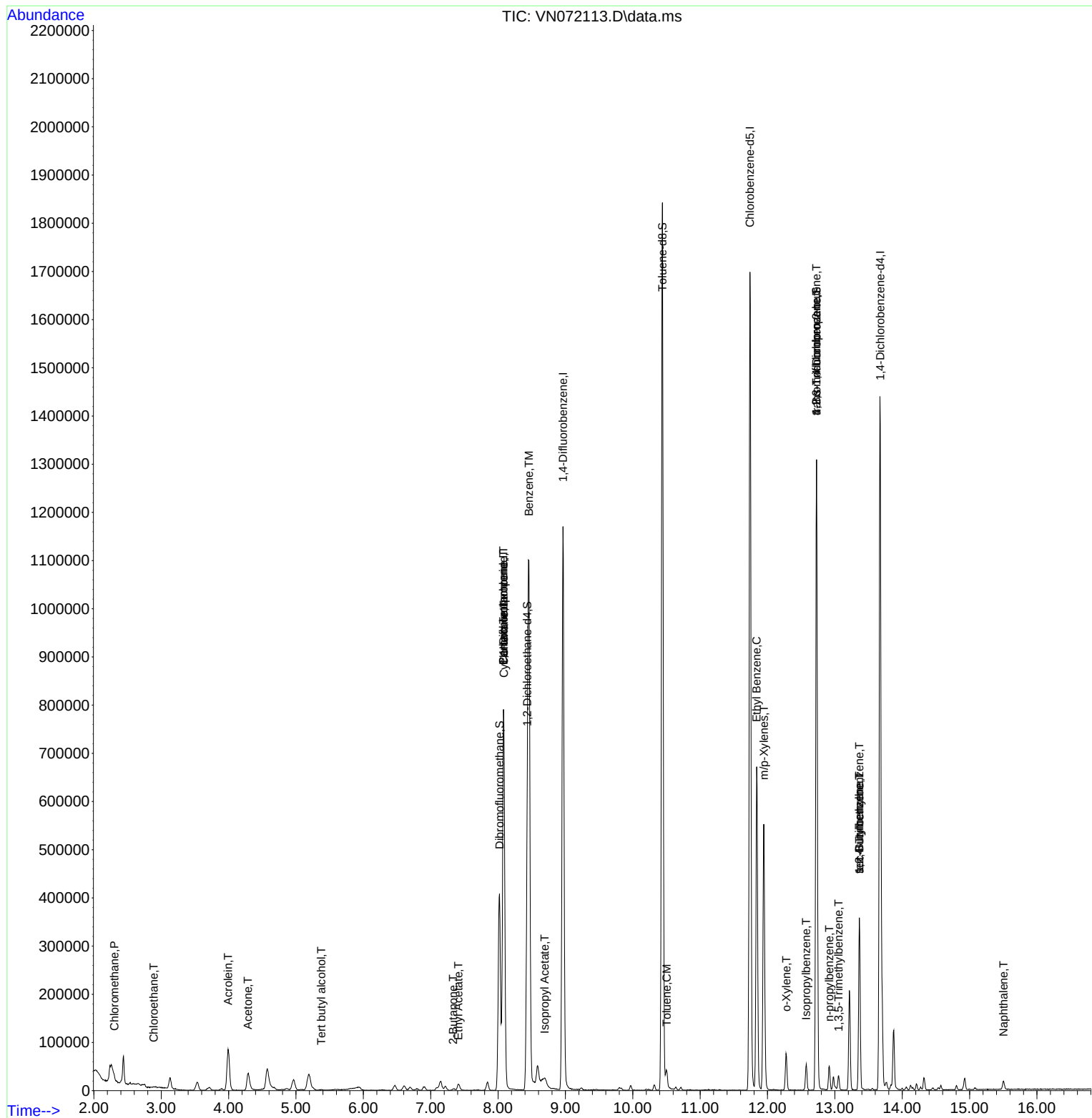
Internal Standards						
1) Pentafluorobenzene	8.080	168	643604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1088404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1081629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	435972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	340589	46.354	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.700%
35) Dibromofluoromethane	8.022	113	308014	48.092	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.180%
50) Toluene-d8	10.439	98	1330572	50.785	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.727	95	471392	55.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1756	0.271	ug/l #	43
6) Chloroethane	2.887	64	1122	0.219	ug/l #	88
11) Tert butyl alcohol	5.375	59	2965	2.487	ug/l #	72
13) Acrolein	3.993	56	4037	2.777	ug/l #	1
16) Acetone	4.287	43	62395	19.871	ug/l	90
18) Methyl Acetate	4.863	43	7200	Below Cal	#	86
25) 2-Butanone	7.333	43	5196	1.148	ug/l #	87
31) Cyclohexane	8.086	56	27202	2.722	ug/l #	52
36) 1,1-Dichloropropene	8.080	75	41409	4.630	ug/l #	49
37) Ethyl Acetate	7.410	43	20448	2.089	ug/l	95
38) Carbon Tetrachloride	8.080	117	58082	6.626	ug/l #	17
40) Benzene	8.457	78	1068622	37.823	ug/l	99
43) Isopropyl Acetate	8.692	43	68916	4.232	ug/l #	53
52) Toluene	10.504	92	15299	0.857	ug/l	98
67) Ethyl Benzene	11.839	91	507898	13.853	ug/l	97
68) m/p-Xylenes	11.945	106	180795	12.834	ug/l	100
69) o-Xylene	12.280	106	23413	1.674	ug/l	95
73) Isopropylbenzene	12.574	105	36789	1.001	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	226880	22.464	ug/l #	1
78) n-propylbenzene	12.915	91	41803	1.082	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	14448	0.496	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.727	75	226880	69.616	ug/l #	10
83) tert-Butylbenzene	13.363	119	27154	1.021	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.363	105	213772	7.527	ug/l	100
85) sec-Butylbenzene	13.363	105	213772	6.198	ug/l #	56
95) Naphthalene	15.504	128	19485	4.710	ug/l	98

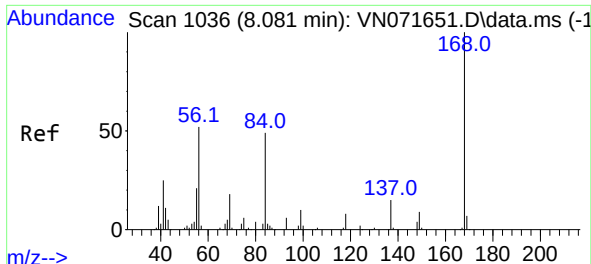
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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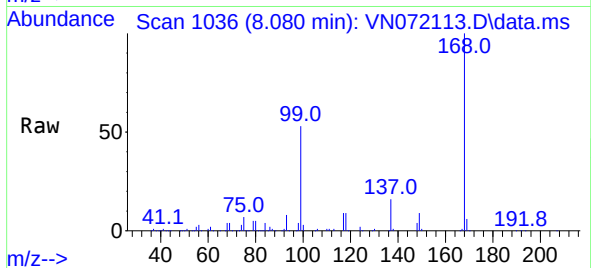
Quant Time: Apr 21 07:16:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
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QLast Update : Thu Mar 31 01:57:54 2022
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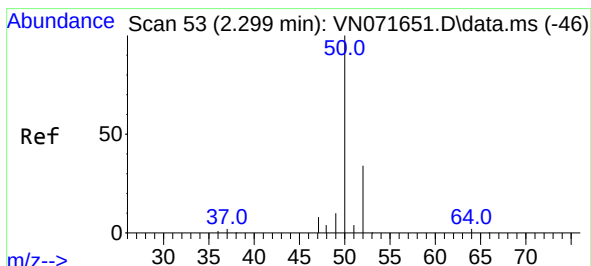
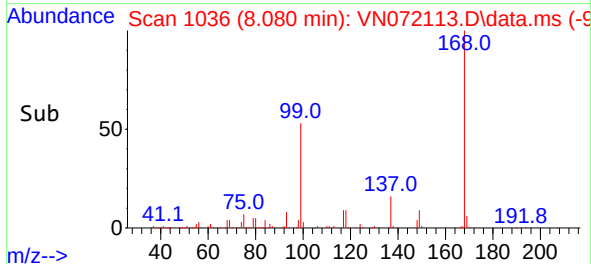
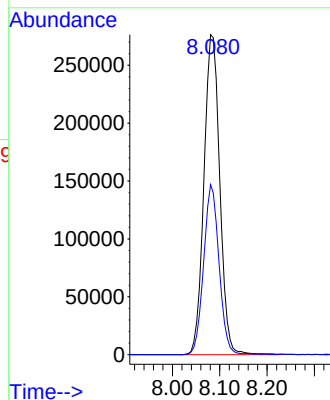


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Instrument :
MSVOA_N
ClientSampleId :

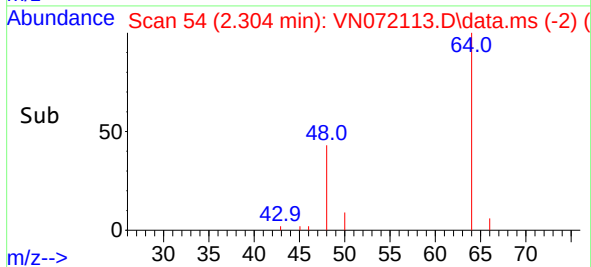
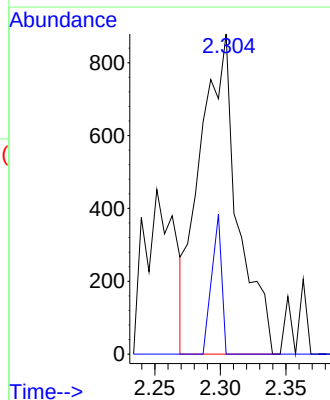
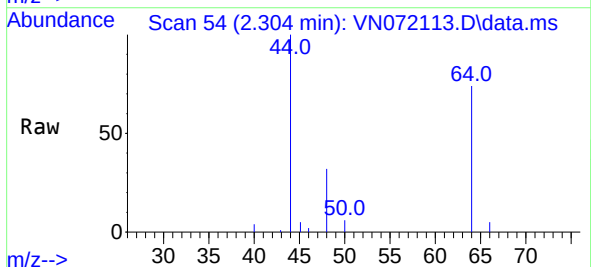


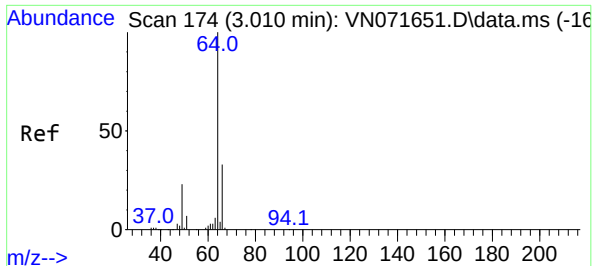
Tgt Ion:168 Resp: 643604
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 50 Resp: 1756
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

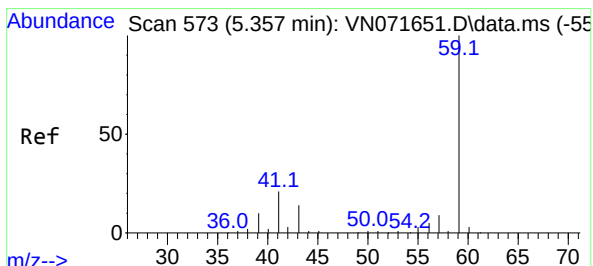
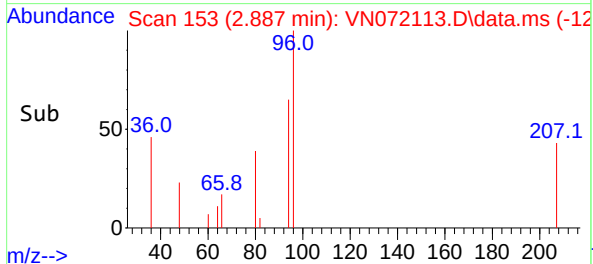
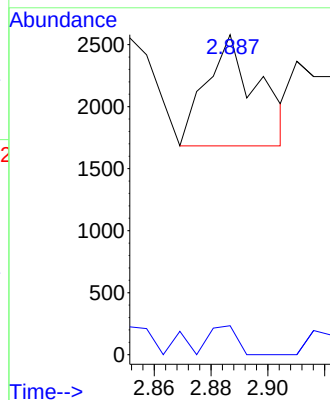
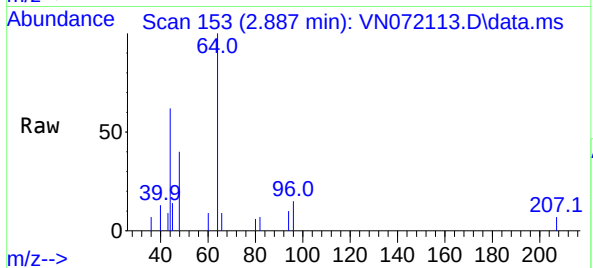




#6
Chloroethane
Concen: 0.219 ug/l
RT: 2.887 min Scan# 11
Delta R.T. -0.123 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

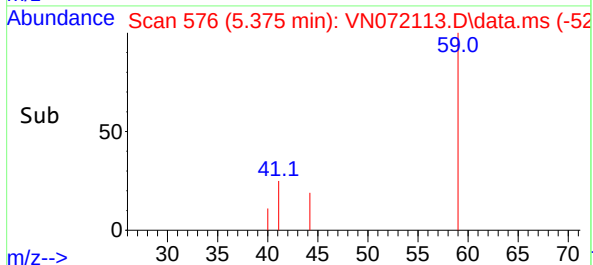
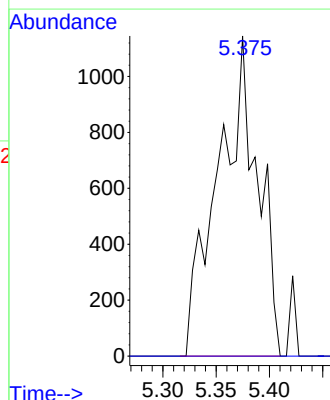
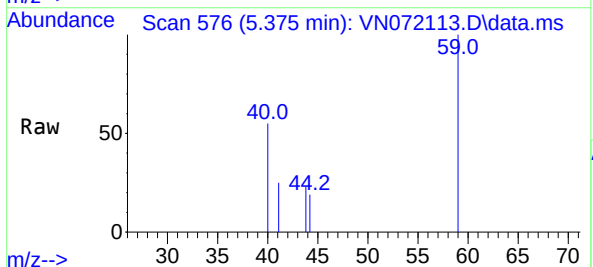
Instrument :
MSVOA_N
ClientSampleId :

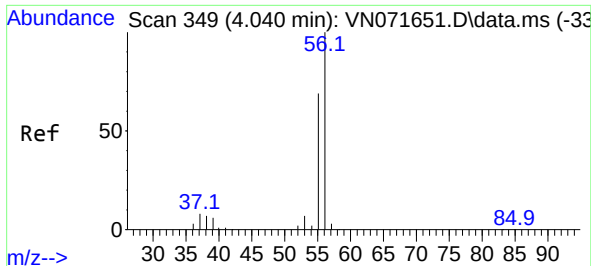
Tgt Ion: 64 Resp: 1122
Ion Ratio Lower Upper
64 100
66 26.1 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.487 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.018 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 59 Resp: 2965
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

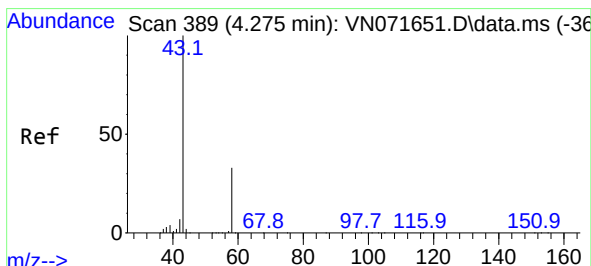
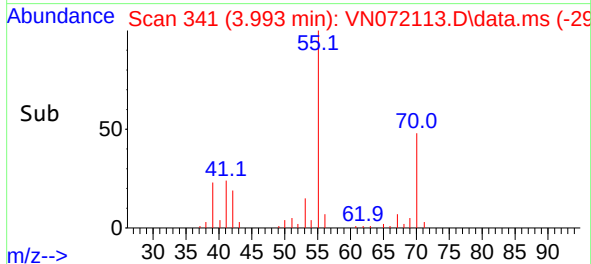
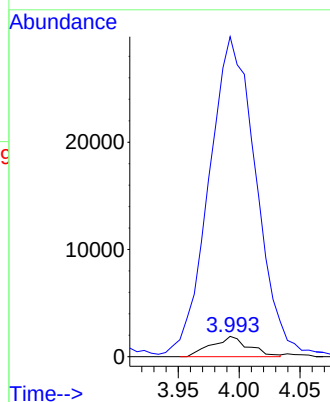
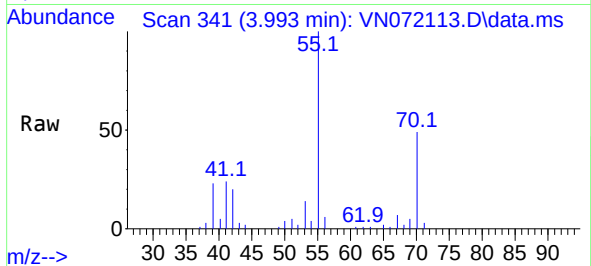




#13
Acrolein
Concen: 2.777 ug/l
RT: 3.993 min Scan# 341
Delta R.T. -0.047 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

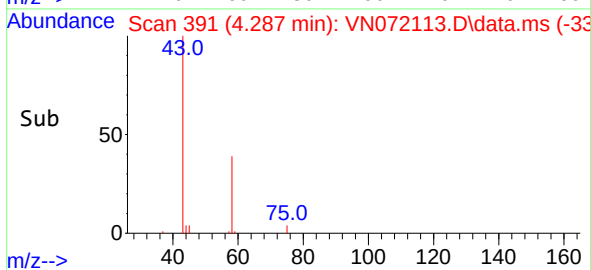
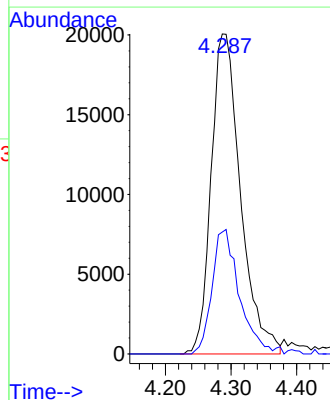
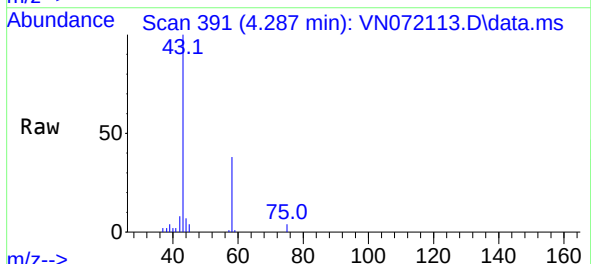
Instrument :
MSVOA_N
ClientSampleId :

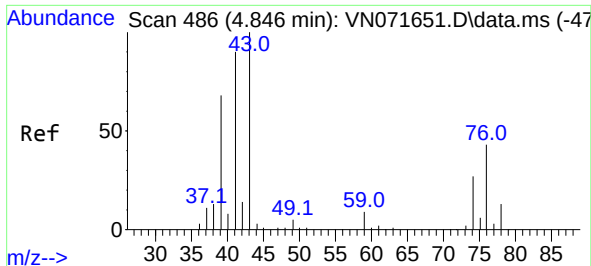
Tgt Ion: 56 Resp: 4037
Ion Ratio Lower Upper
56 100
55 2016.4 54.8 82.2#



#16
Acetone
Concen: 19.871 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 43 Resp: 62395
Ion Ratio Lower Upper
43 100
58 38.1 26.0 39.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.863 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN072113.D

Acq: 21 Apr 2022 06:19

Instrument :

MSVOA_N

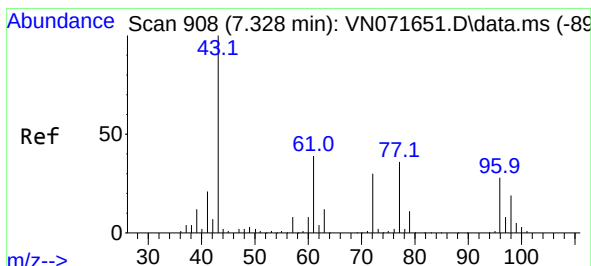
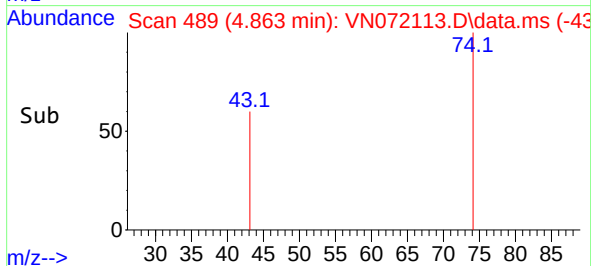
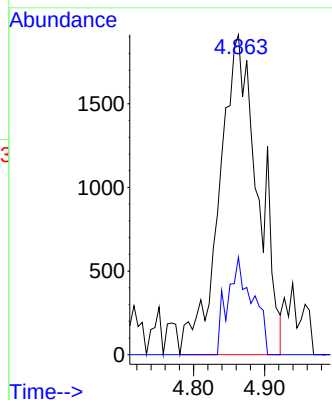
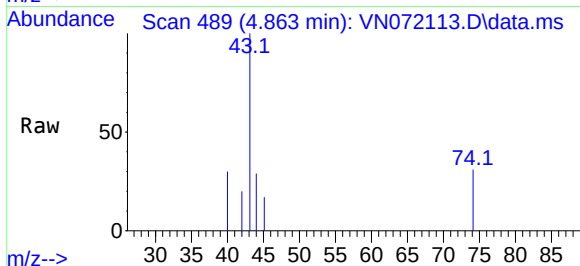
ClientSampleId :

Tgt Ion: 43 Resp: 7200

Ion Ratio Lower Upper

43 100

74 19.7 21.6 32.4#



#25

2-Butanone

Concen: 1.148 ug/l

RT: 7.333 min Scan# 909

Delta R.T. 0.005 min

Lab File: VN072113.D

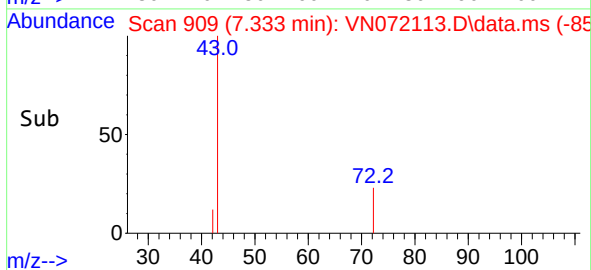
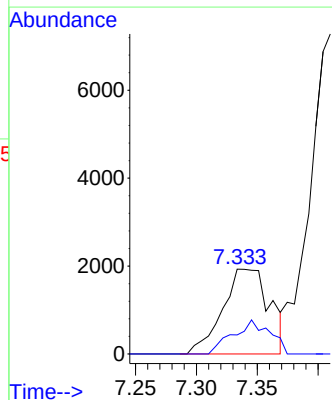
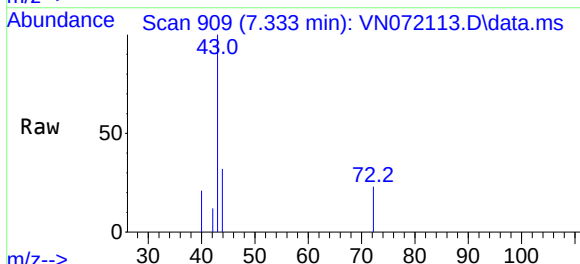
Acq: 21 Apr 2022 06:19

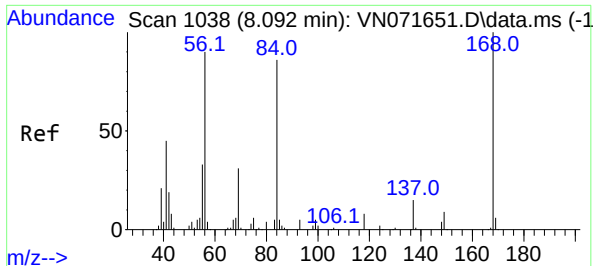
Tgt Ion: 43 Resp: 5196

Ion Ratio Lower Upper

43 100

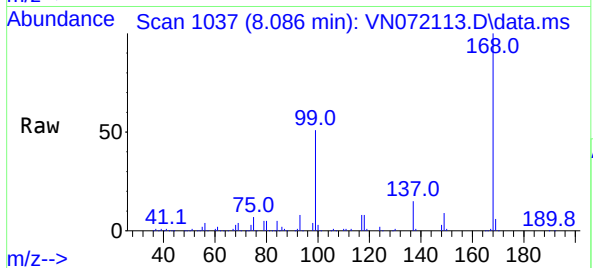
72 22.5 23.7 35.5#



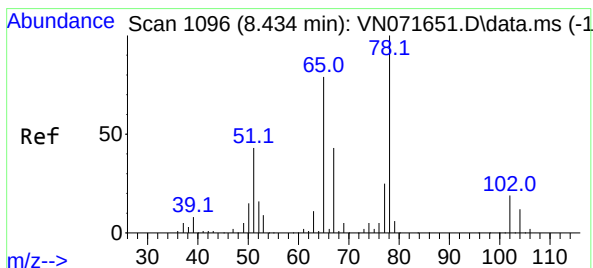
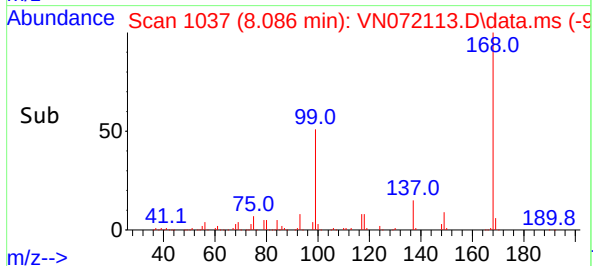
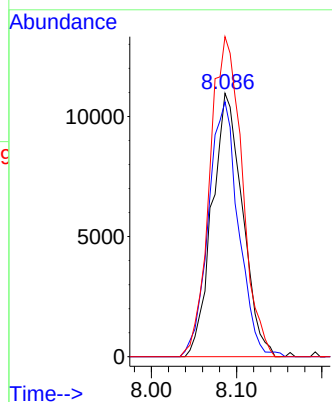


#31
Cyclohexane
Concen: 2.722 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Instrument :
MSVOA_N
ClientSampleId :

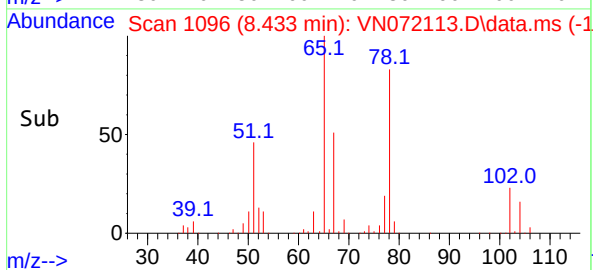
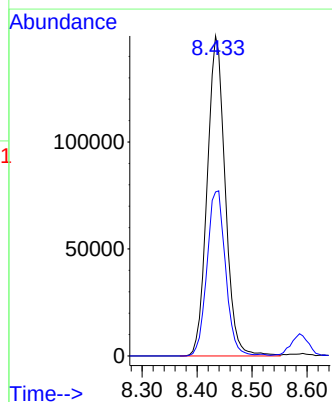
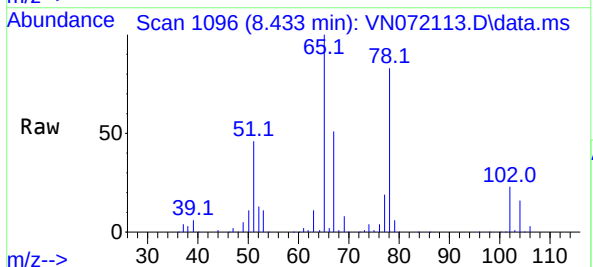


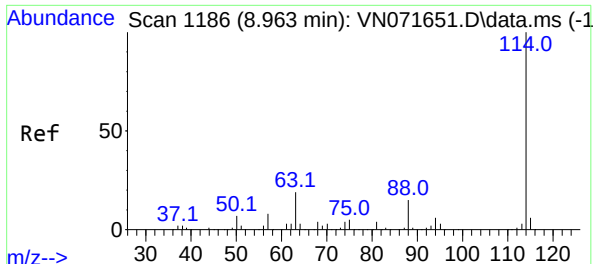
Tgt Ion: 56 Resp: 27202
Ion Ratio Lower Upper
56 100
69 96.8 27.8 41.8#
84 121.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.354 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

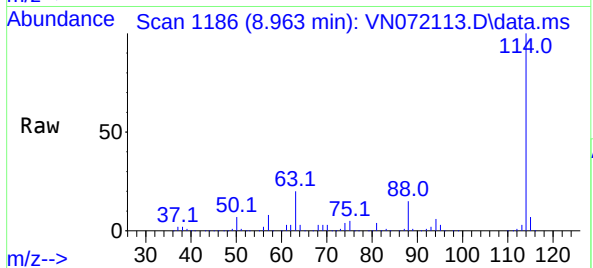
Tgt Ion: 65 Resp: 340589
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



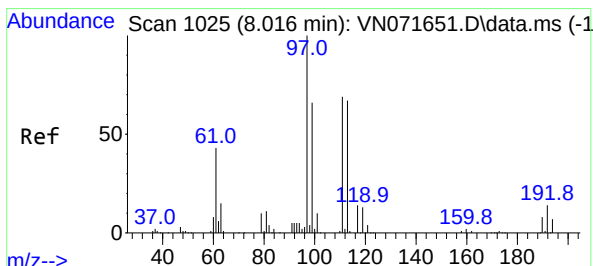
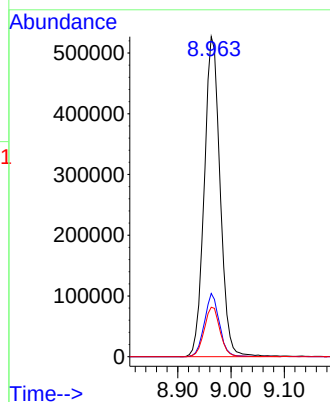
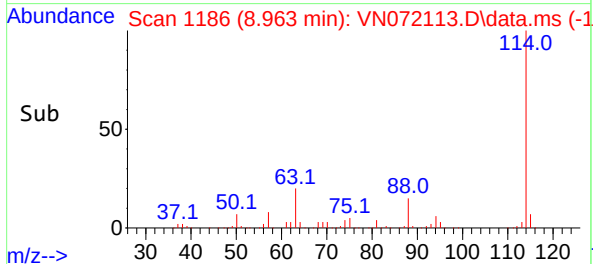


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

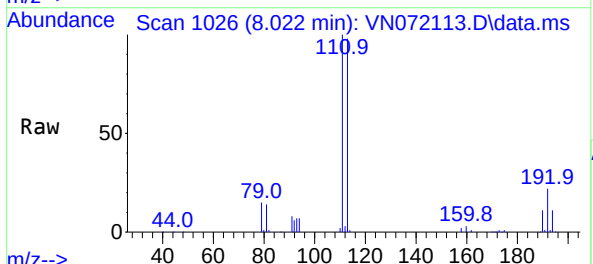
Instrument :
MSVOA_N
ClientSampleId :



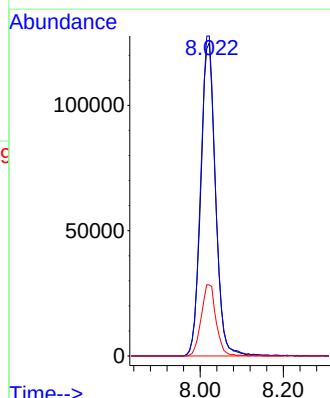
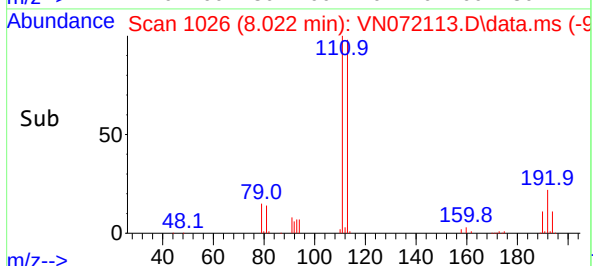
Tgt Ion:114 Resp: 1088404
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.5 0.0 32.6

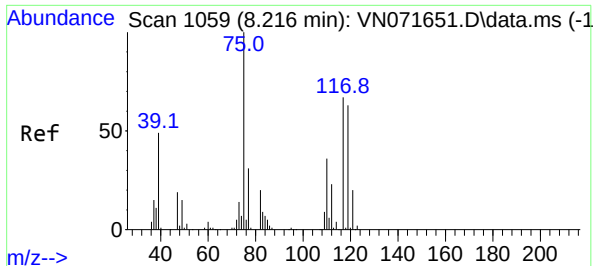


#35
Dibromofluoromethane
Concen: 48.092 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19



Tgt Ion:113 Resp: 308014
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 22.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

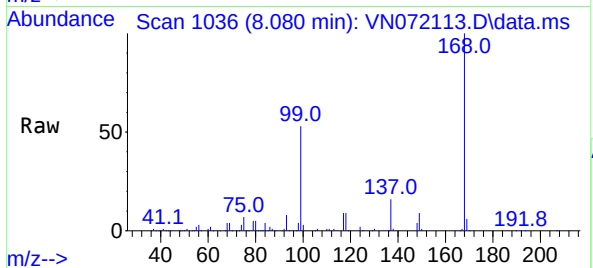
Lab File: VN072113.D

Acq: 21 Apr 2022 06:19

Instrument :

MSVOA_N

ClientSampleId :



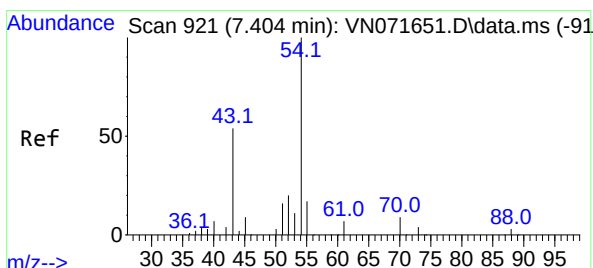
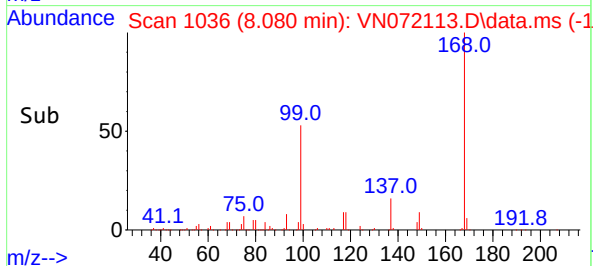
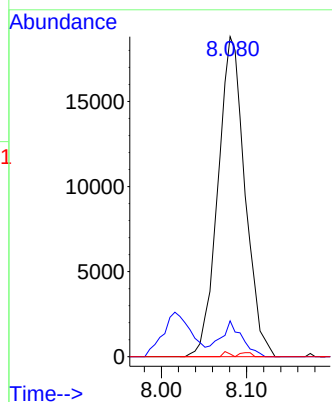
Tgt Ion: 75 Resp: 41409

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.089 ug/l

RT: 7.410 min Scan# 922

Delta R.T. 0.006 min

Lab File: VN072113.D

Acq: 21 Apr 2022 06:19

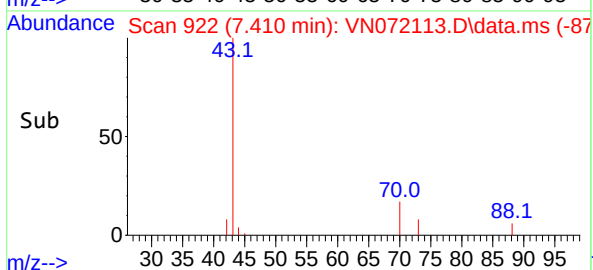
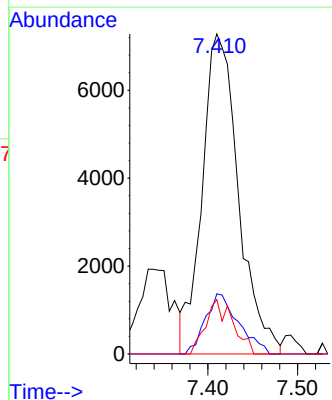
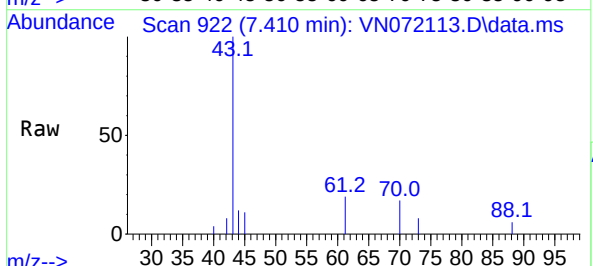
Tgt Ion: 43 Resp: 20448

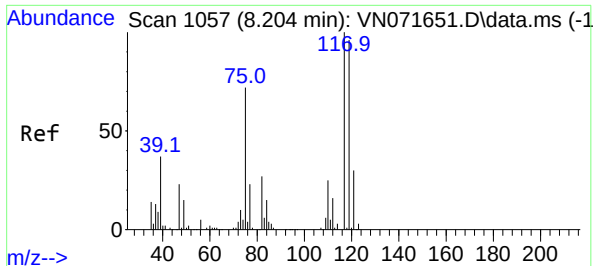
Ion Ratio Lower Upper

43 100

61 17.2 11.8 17.6

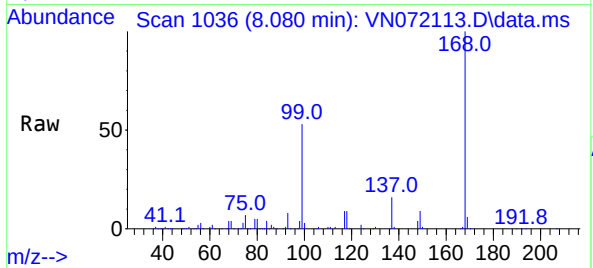
70 12.7 9.3 13.9



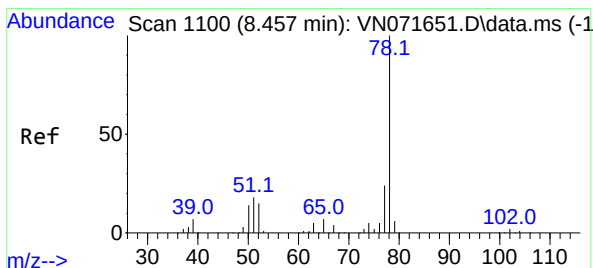
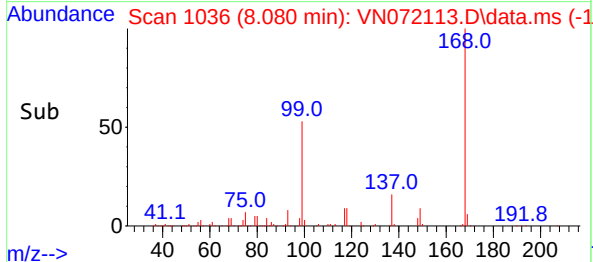
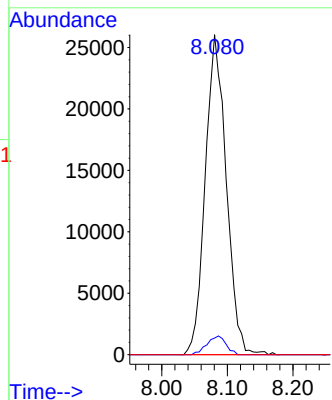


#38
Carbon Tetrachloride
Concen: 6.626 ug/l
RT: 8.080 min Scan# 1100
Delta R.T. -0.124 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Instrument :
MSVOA_N
ClientSampleId :

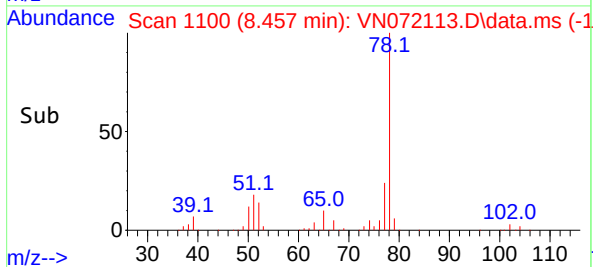
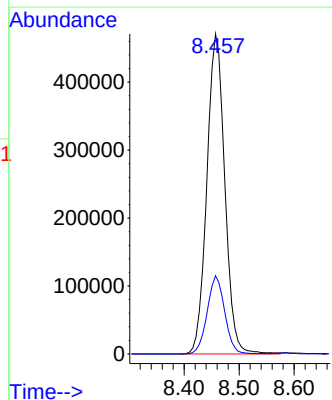
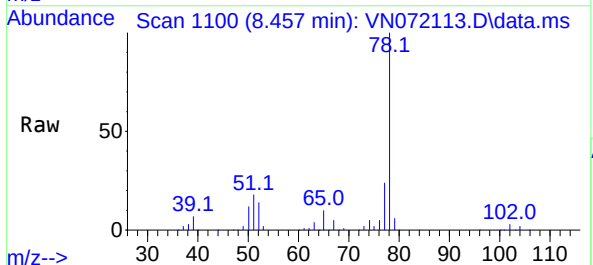


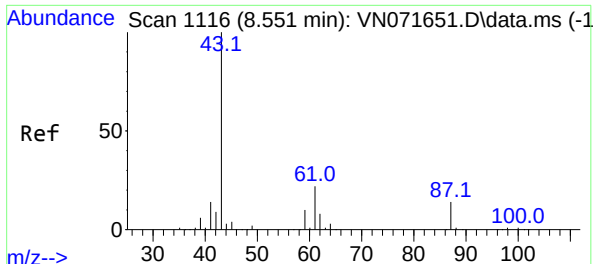
Tgt Ion:117 Resp: 58082
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 37.823 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 78 Resp: 1068622
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#43

Isopropyl Acetate

Concen: 4.232 ug/l

RT: 8.692 min Scan# 1116

Delta R.T. 0.141 min

Lab File: VN072113.D

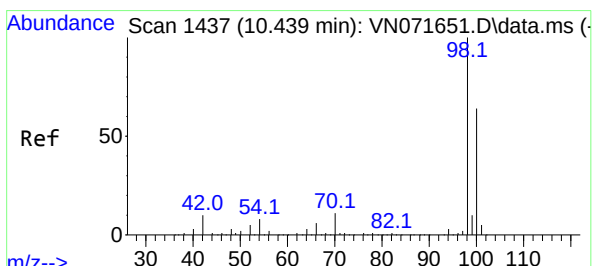
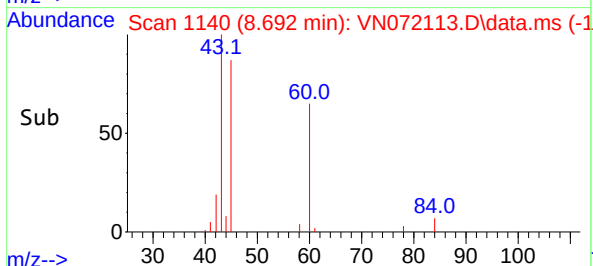
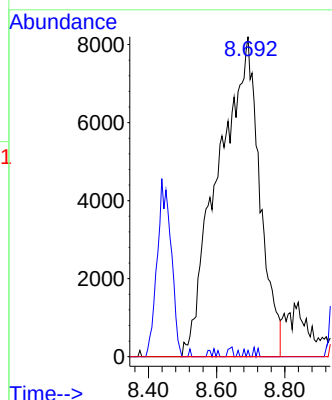
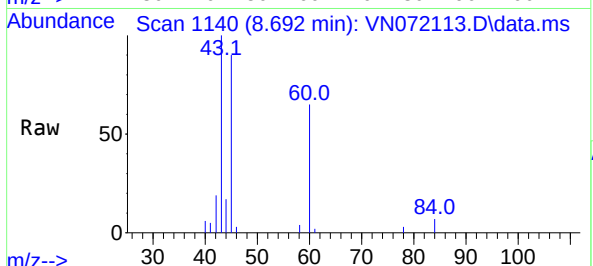
Acq: 21 Apr 2022 06:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 68916
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 50.785 ug/l

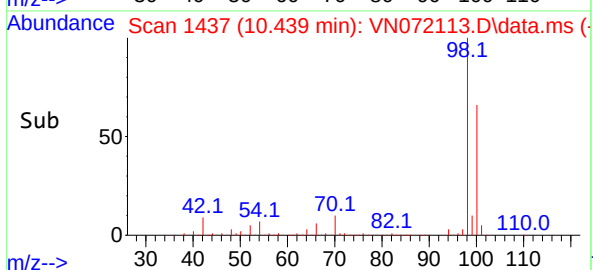
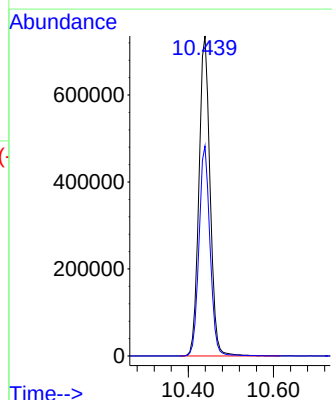
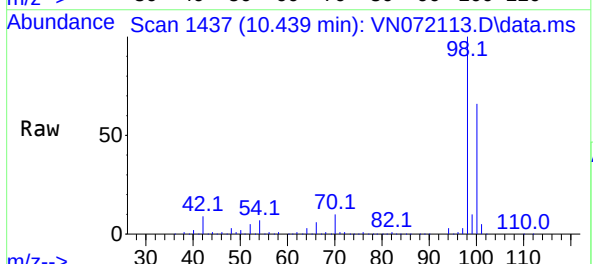
RT: 10.439 min Scan# 1437

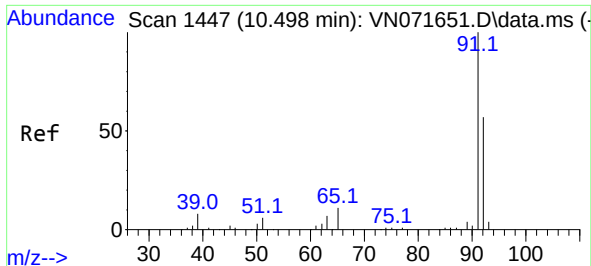
Delta R.T. 0.000 min

Lab File: VN072113.D

Acq: 21 Apr 2022 06:19

Tgt Ion: 98	Resp: 1330572
Ion Ratio	Lower Upper
98	100
100	65.1 52.6 78.8

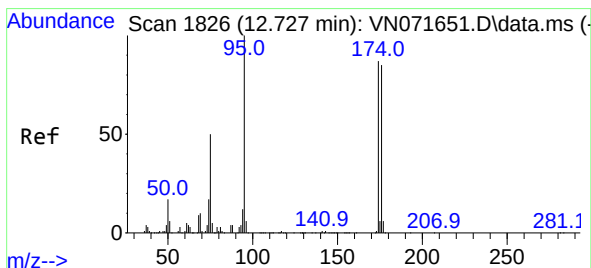
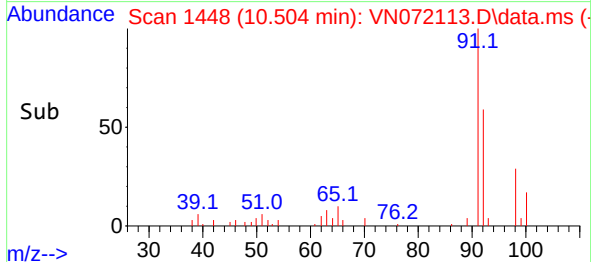
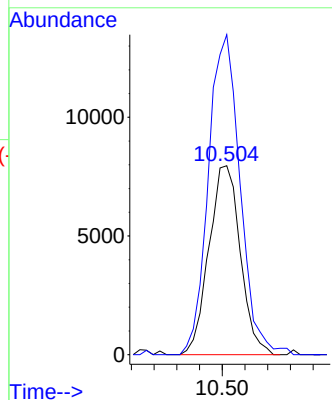
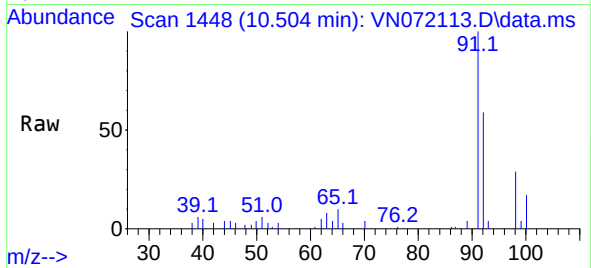




#52
Toluene
Concen: 0.857 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

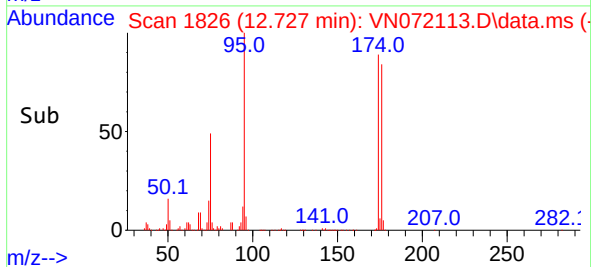
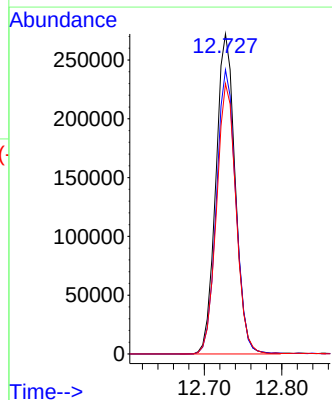
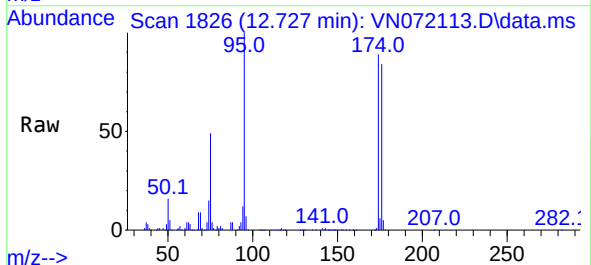
Instrument :
MSVOA_N
ClientSampleId :

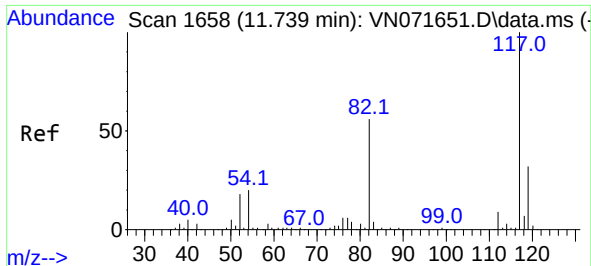
Tgt Ion: 92 Resp: 15299
Ion Ratio Lower Upper
92 100
91 170.9 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 55.632 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

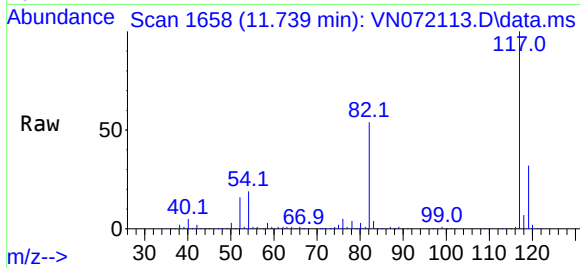
Tgt Ion: 95 Resp: 471392
Ion Ratio Lower Upper
95 100
174 88.9 0.0 167.6
176 85.0 0.0 163.4





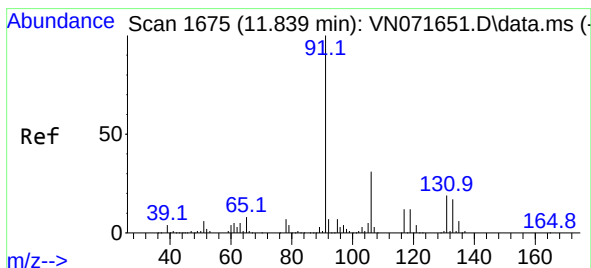
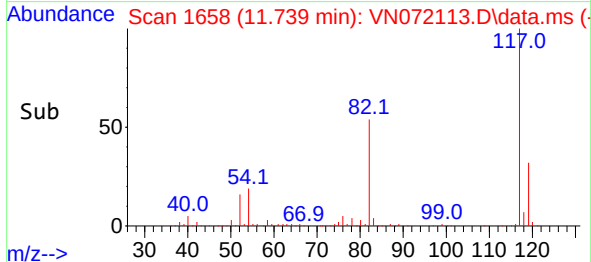
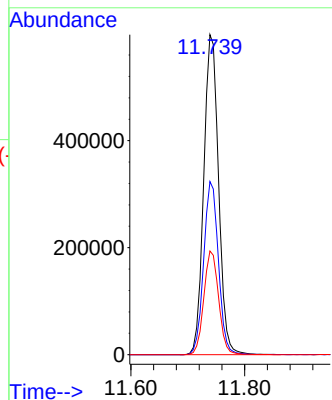
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1081629

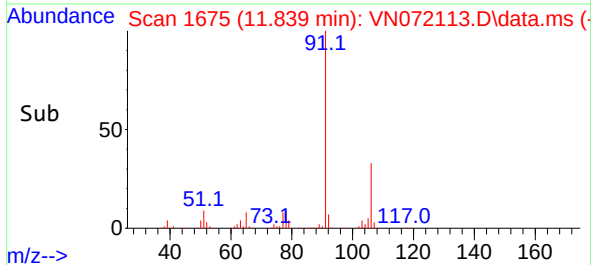
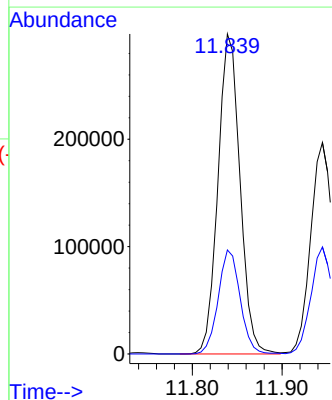
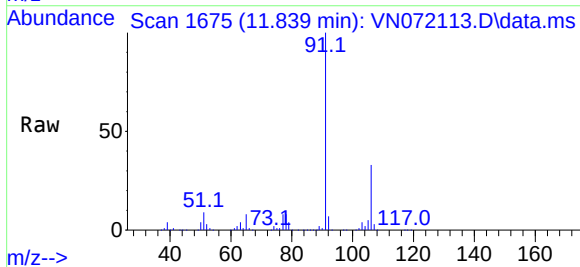
Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.4	25.4	38.0

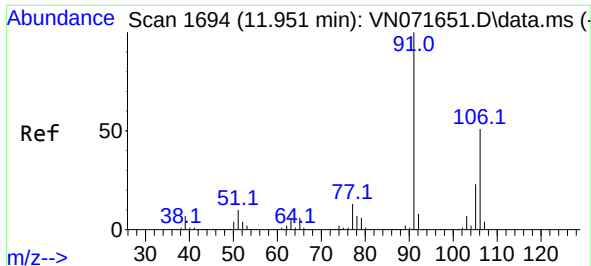


#67
Ethyl Benzene
Concen: 13.853 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 91 Resp: 507898

Ion	Ratio	Lower	Upper
91	100		
106	32.5	24.9	37.3

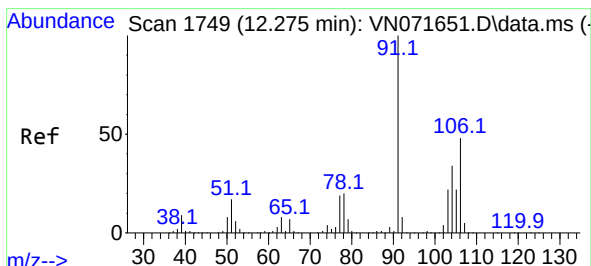
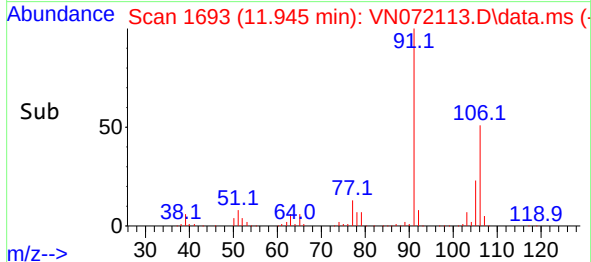
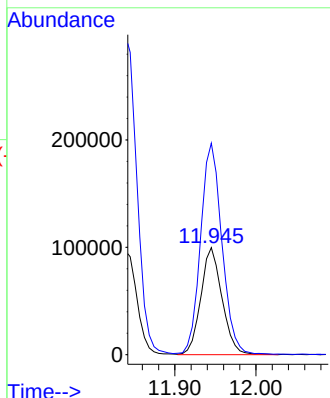
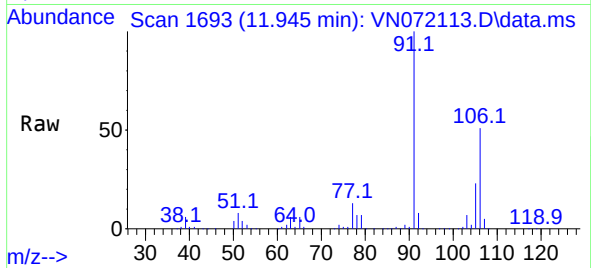




#68
m/p-Xylenes
Concen: 12.834 ug/l
RT: 11.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

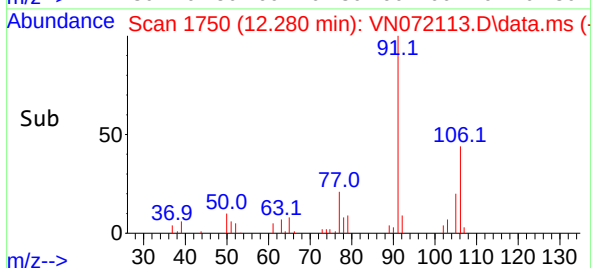
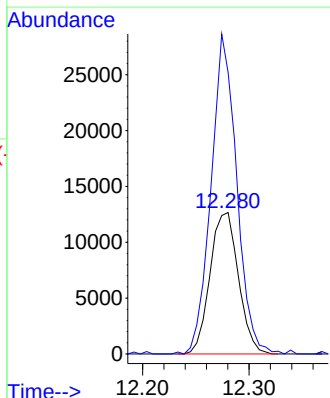
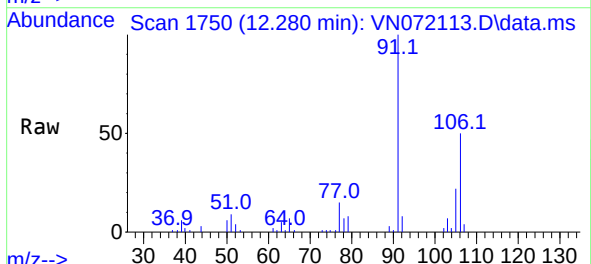
Instrument :
MSVOA_N
ClientSampleId :

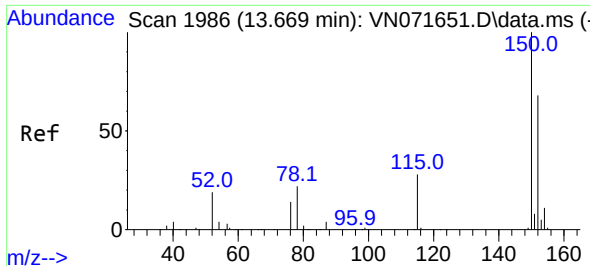
Tgt Ion:106 Resp: 180795
Ion Ratio Lower Upper
106 100
91 198.5 158.9 238.3



#69
o-Xylene
Concen: 1.674 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.005 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion:106 Resp: 23413
Ion Ratio Lower Upper
106 100
91 204.3 106.0 318.0

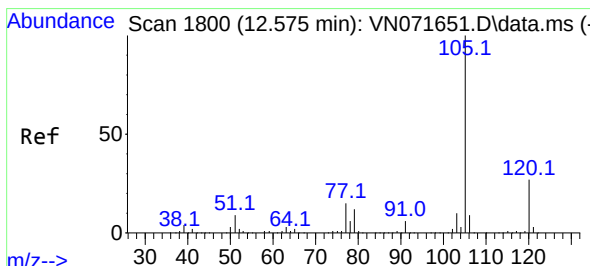
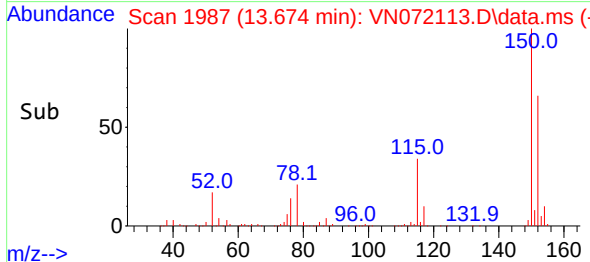
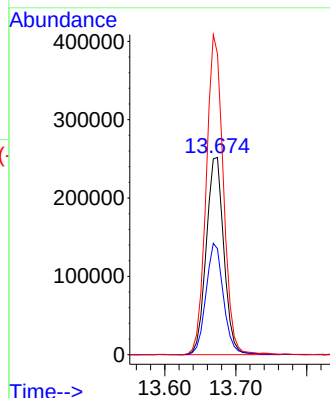
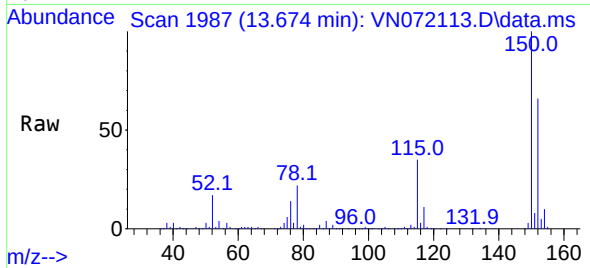




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN072113.D
 Acq: 21 Apr 2022 06:19

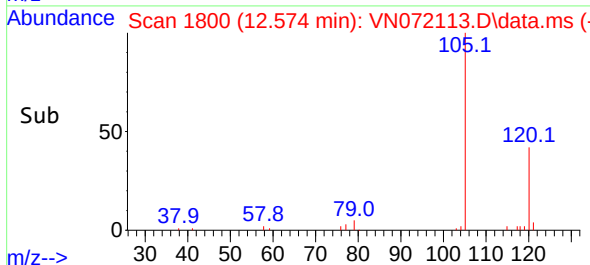
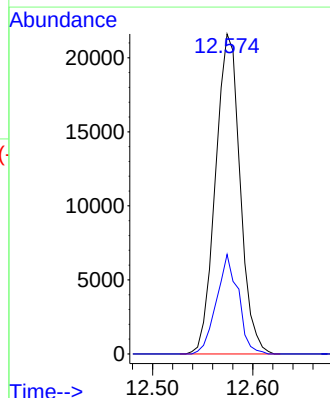
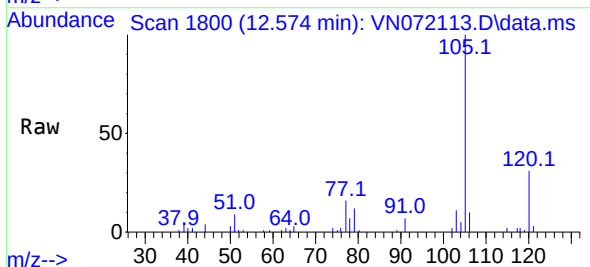
Instrument :
 MSVOA_N
 ClientSampleId :

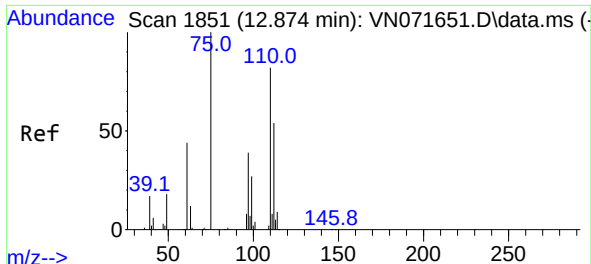
Tgt Ion:152 Resp: 435972
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.9 86.7
 150 157.4 0.0 356.2



#73
 Isopropylbenzene
 Concen: 1.001 ug/l
 RT: 12.574 min Scan# 1800
 Delta R.T. -0.001 min
 Lab File: VN072113.D
 Acq: 21 Apr 2022 06:19

Tgt Ion:105 Resp: 36789
 Ion Ratio Lower Upper
 105 100
 120 27.7 13.5 40.4

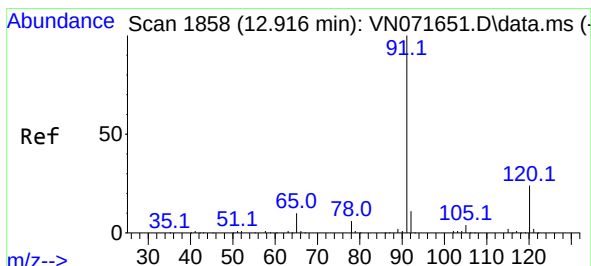
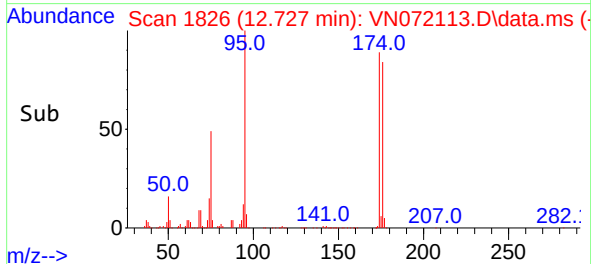
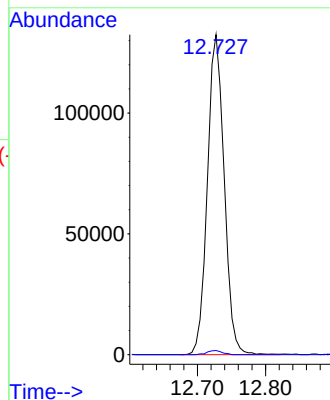
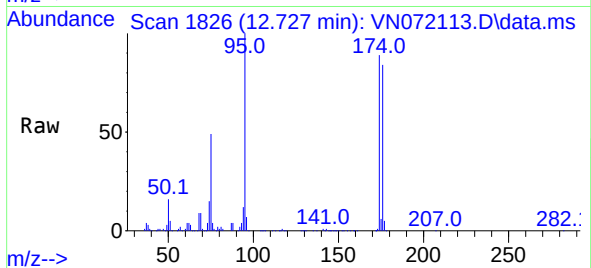




#76
1,2,3-Trichloropropane
Concen: 22.464 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

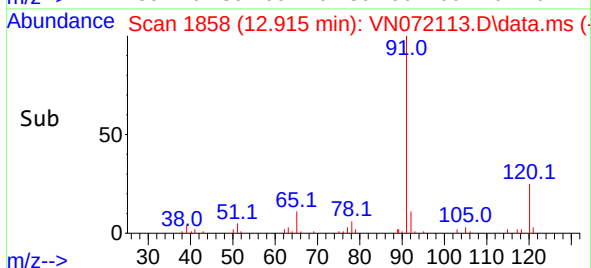
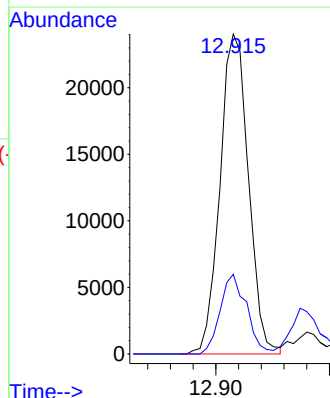
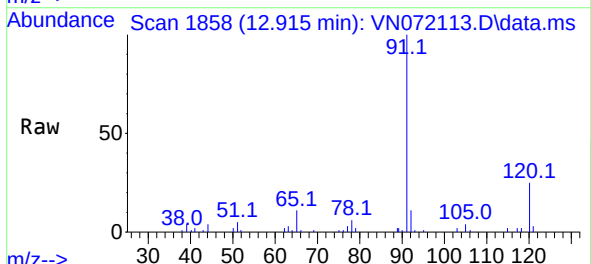
Instrument :
MSVOA_N
ClientSampleId :

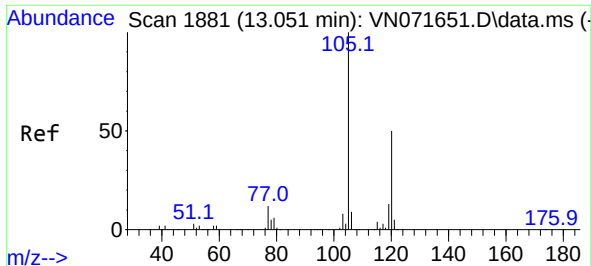
Tgt Ion: 75 Resp: 226880
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#78
n-propylbenzene
Concen: 1.082 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 91 Resp: 41803
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5

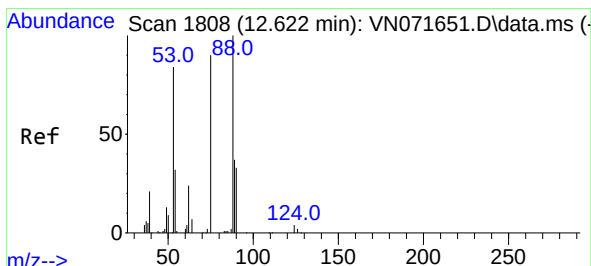
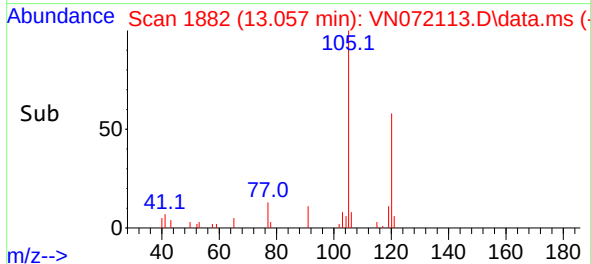
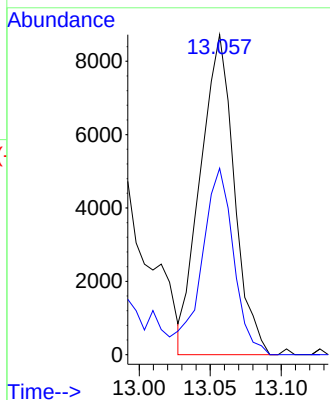
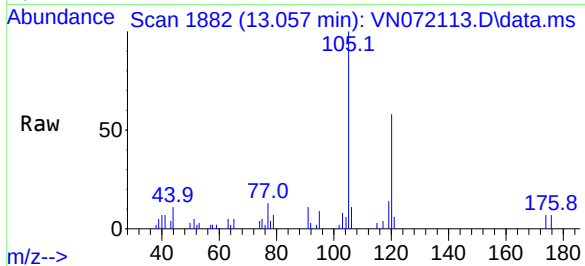




#80
1,3,5-Trimethylbenzene
Concen: 0.496 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

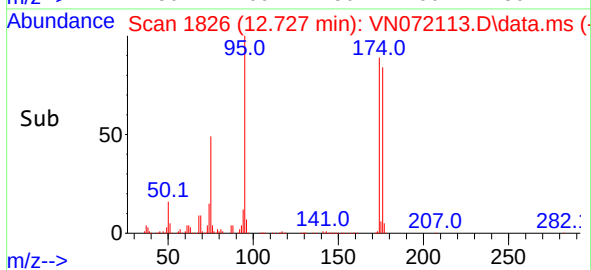
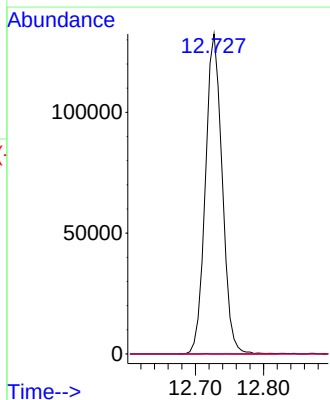
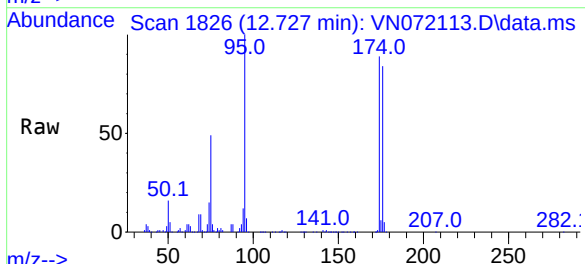
Instrument :
MSVOA_N
ClientSampleId :

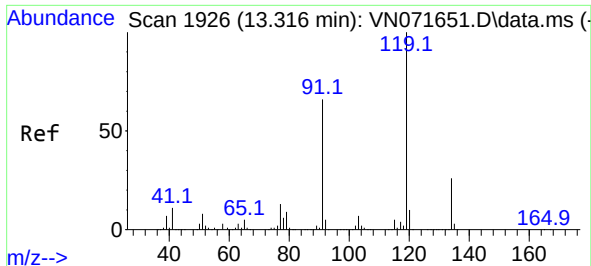
Tgt Ion:105 Resp: 14448
Ion Ratio Lower Upper
105 100
120 55.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 69.616 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion: 75 Resp: 226880
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

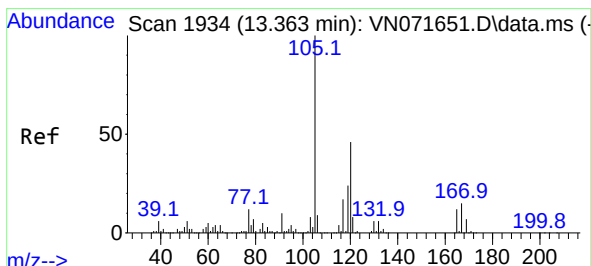
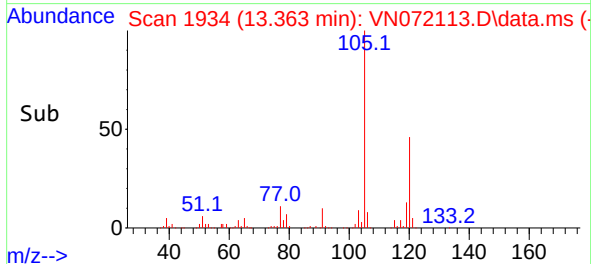
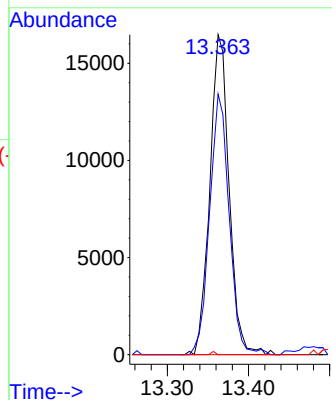
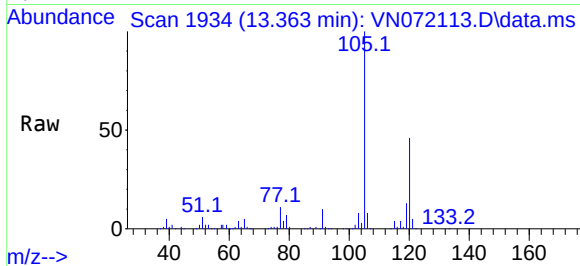




#83
tert-Butylbenzene
Concen: 1.021 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.046 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

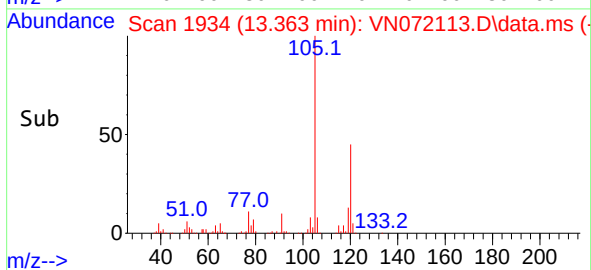
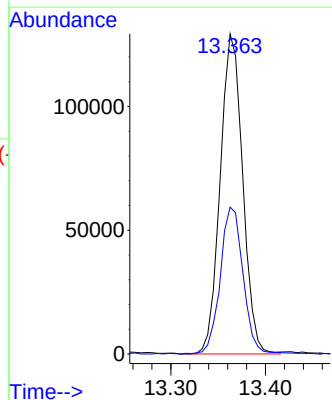
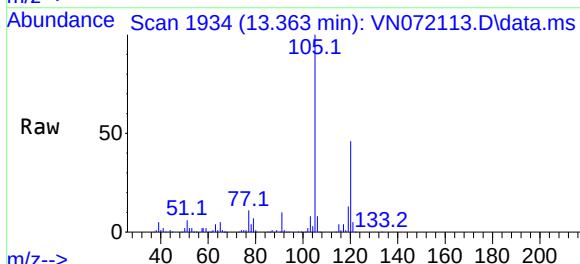
Instrument :
MSVOA_N
ClientSampleId :

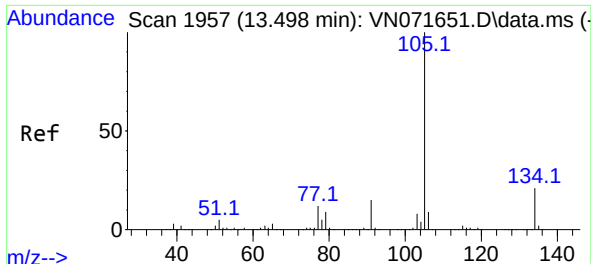
Tgt Ion:119 Resp: 27154
Ion Ratio Lower Upper
119 100
91 82.6 31.6 94.8
134 0.2 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 7.527 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072113.D
Acq: 21 Apr 2022 06:19

Tgt Ion:105 Resp: 213772
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8

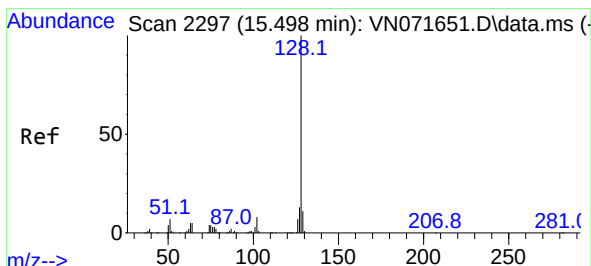
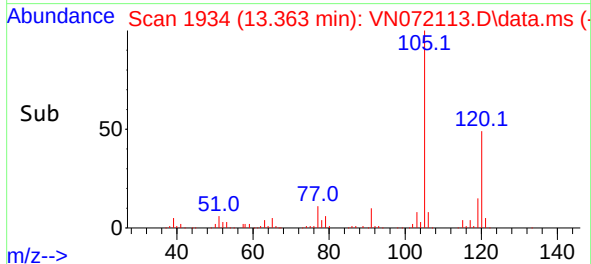
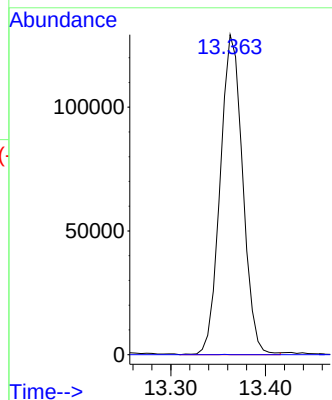
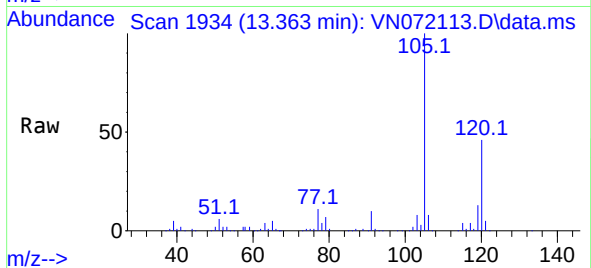




#85
 sec-Butylbenzene
 Concen: 6.198 ug/l
 RT: 13.363 min Scan# 1957
 Delta R.T. -0.135 min
 Lab File: VN072113.D
 Acq: 21 Apr 2022 06:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 213772
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#95
 Naphthalene
 Concen: 4.710 ug/l
 RT: 15.504 min Scan# 2298
 Delta R.T. 0.006 min
 Lab File: VN072113.D
 Acq: 21 Apr 2022 06:19

Tgt Ion:128 Resp: 19485
 Ion Ratio Lower Upper
 128 100
 127 11.7 10.3 15.5
 129 10.8 8.6 13.0

