

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071591.D
 Acq On : 26 Mar 2022 22:39
 Operator : JC\MD
 Sample : N2077-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-3-3

Quant Time: Mar 28 02:22:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

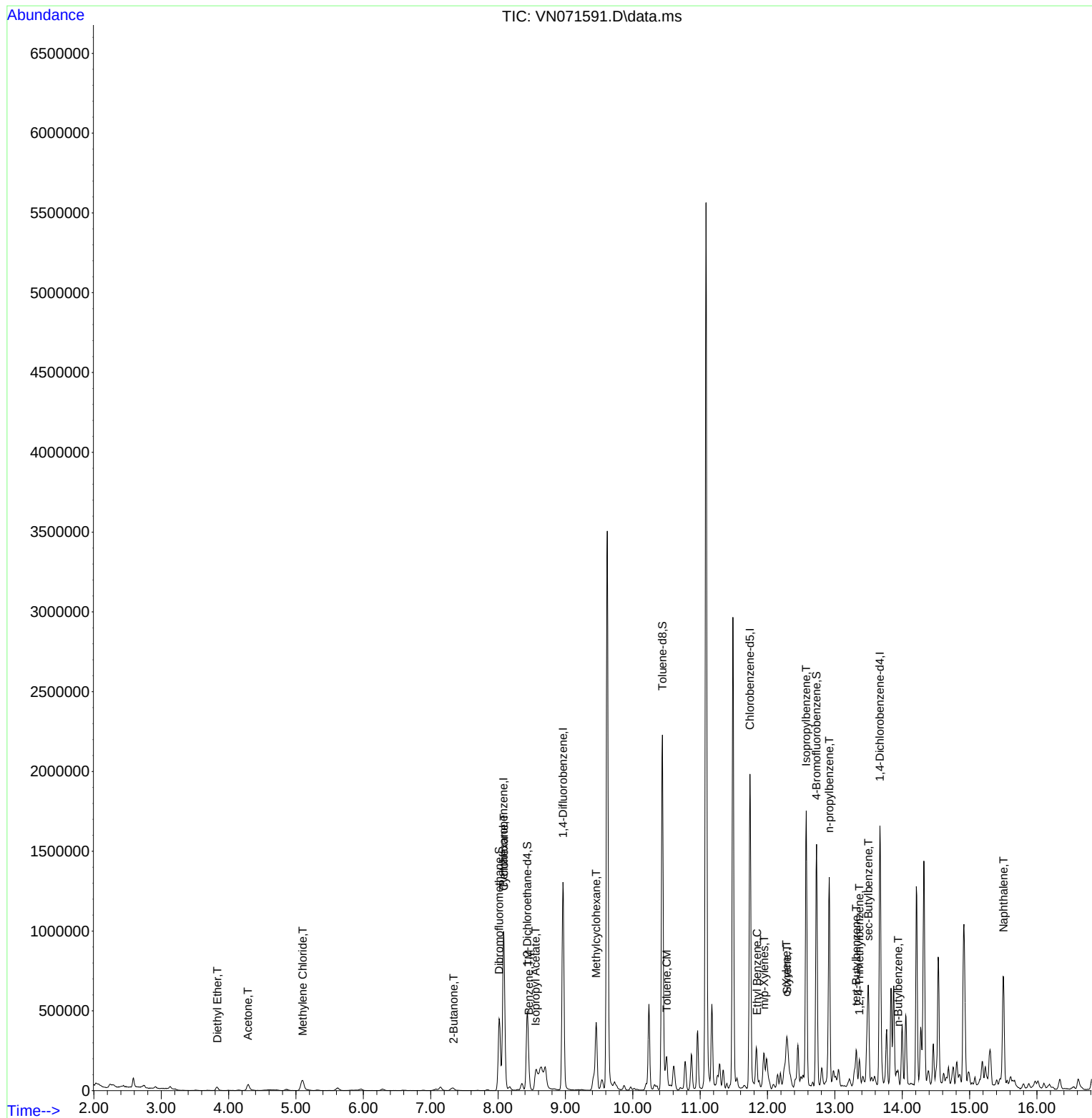
Internal Standards						
1) Pentafluorobenzene	8.081	168	719988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1200427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1189078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	473173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	410708	45.914	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.820%		
35) Dibromofluoromethane	8.016	113	333493	44.205	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.400%		
50) Toluene-d8	10.439	98	1511533	49.672	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.727	95	518275	51.979	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.960%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.834	74	13487	2.767	ug/l	96
16) Acetone	4.287	43	70270	19.165	ug/l	97
20) Methylene Chloride	5.098	84	52721	6.171	ug/l	97
25) 2-Butanone	7.339	43	19342	3.288	ug/l	91
31) Cyclohexane	8.086	56	85226	6.658	ug/l #	83
39) Methylcyclohexane	9.457	83	196787	14.746	ug/l	100
40) Benzene	8.457	78	36360	1.074	ug/l	96
43) Isopropyl Acetate	8.557	43	112883	5.594	ug/l #	76
52) Toluene	10.504	92	91948	4.339	ug/l	97
67) Ethyl Benzene	11.845	91	62082	1.433	ug/l	95
68) m/p-Xylenes	11.951	106	76057	4.589	ug/l	99
69) o-Xylene	12.280	106	39622	2.407	ug/l	99
70) Styrene	12.292	104	212919	8.295	ug/l #	64
73) Isopropylbenzene	12.574	105	1168823	28.018	ug/l	100
78) n-propylbenzene	12.916	91	1037573	23.378	ug/l	99
83) tert-Butylbenzene	13.316	119	110453	3.716	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	100511	3.163	ug/l	96
85) sec-Butylbenzene	13.498	105	419588	10.649	ug/l #	75
89) n-Butylbenzene	13.939	91	55456	2.305	ug/l #	82
95) Naphthalene	15.504	128	701662	30.477	ug/l	100

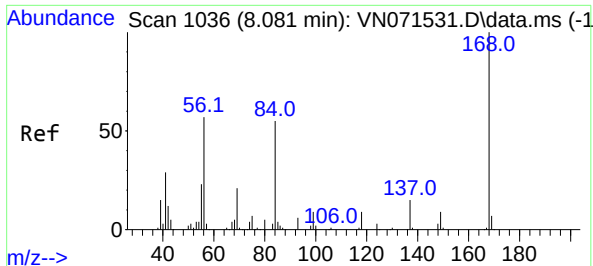
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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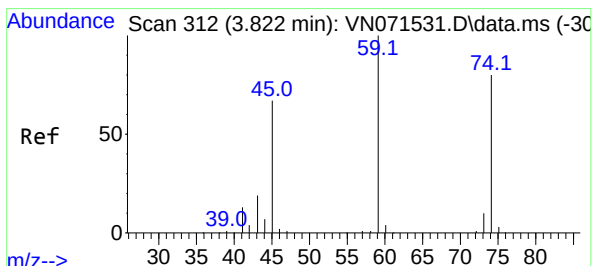
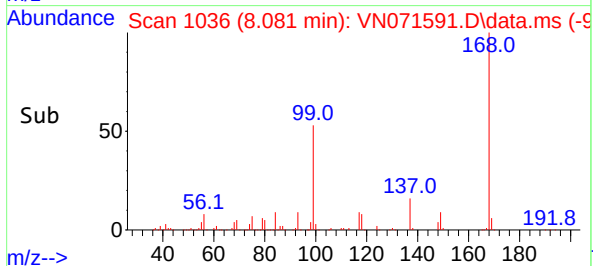
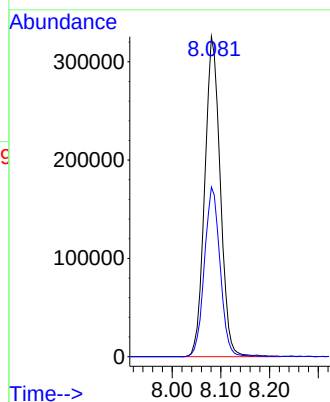
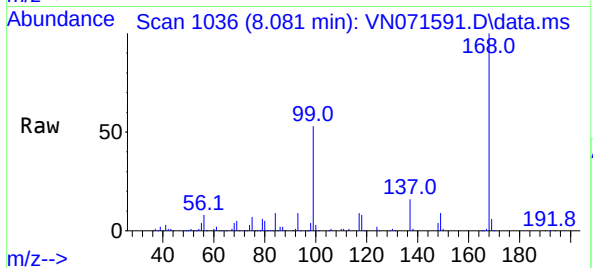




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

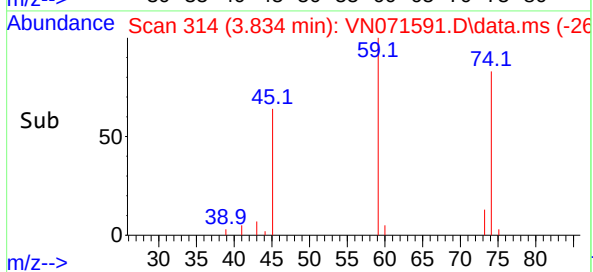
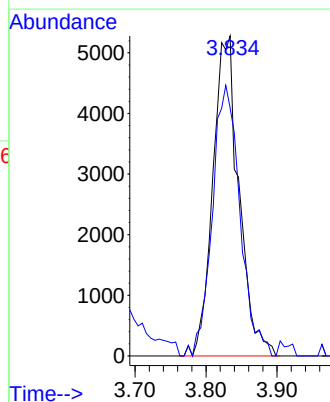
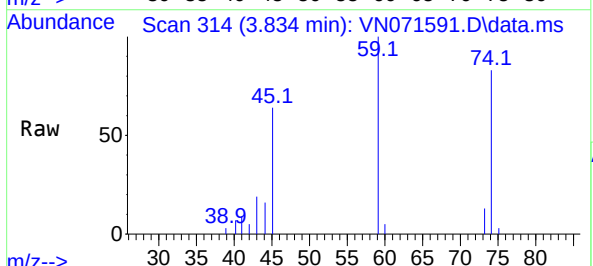
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

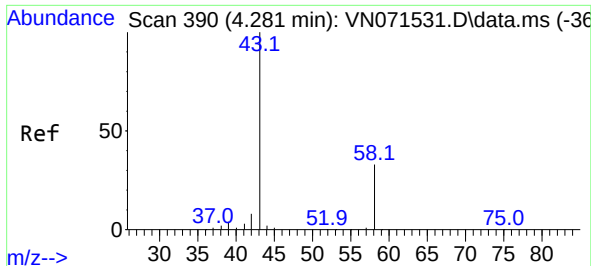
Tgt Ion:168 Resp: 719988
Ion Ratio Lower Upper
168 100
99 53.0 42.3 63.5



#8
Diethyl Ether
Concen: 2.767 ug/l
RT: 3.834 min Scan# 314
Delta R.T. 0.012 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 74 Resp: 13487
Ion Ratio Lower Upper
74 100
45 89.4 42.9 128.5

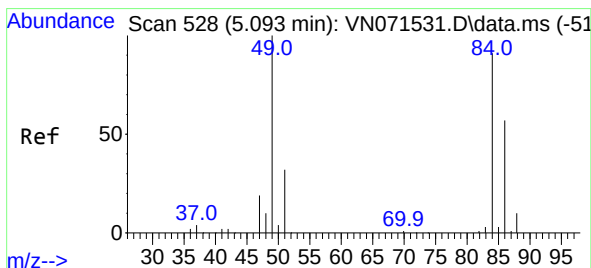
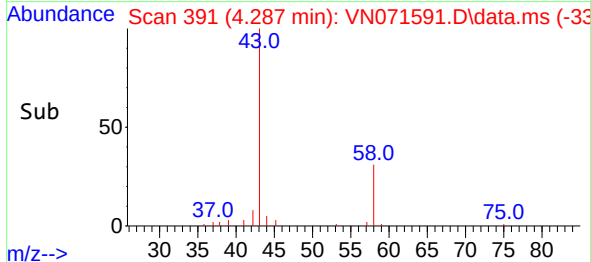
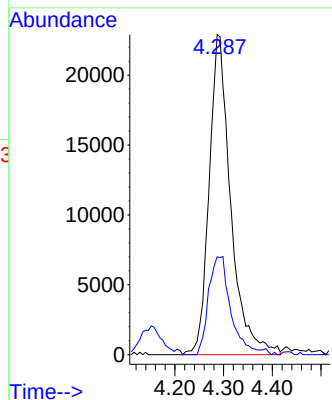
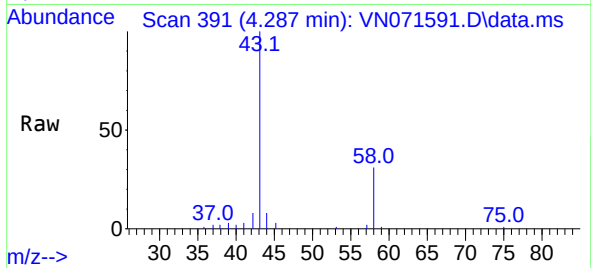




#16
Acetone
Concen: 19.165 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

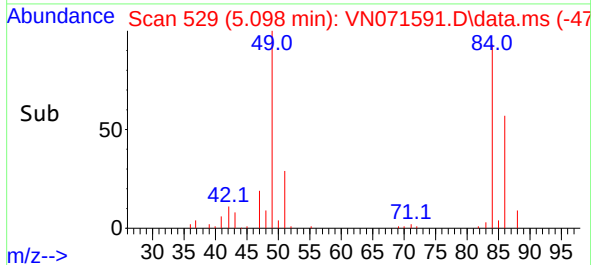
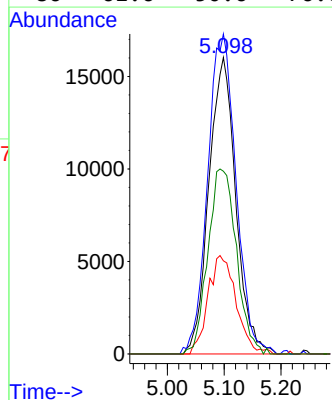
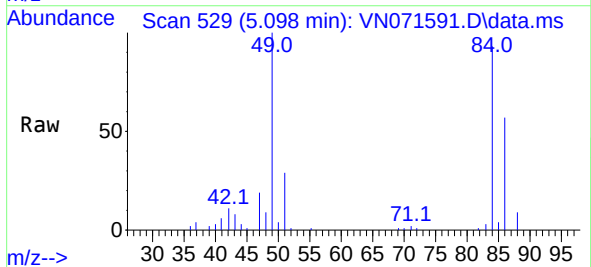
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

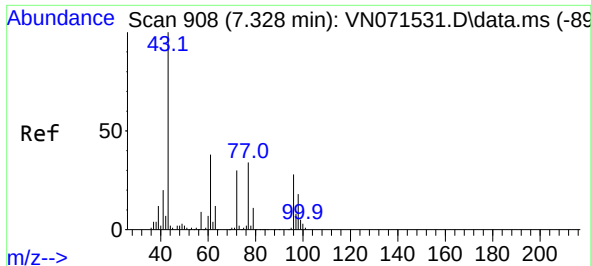
Tgt Ion: 43 Resp: 70270
Ion Ratio Lower Upper
43 100
58 30.5 26.0 39.0



#20
Methylene Chloride
Concen: 6.171 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 84 Resp: 52721
Ion Ratio Lower Upper
84 100
49 107.9 88.3 132.5
51 31.4 28.2 42.2
86 61.6 50.6 76.0





#25

2-Butanone

Concen: 3.288 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071591.D

Acq: 26 Mar 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

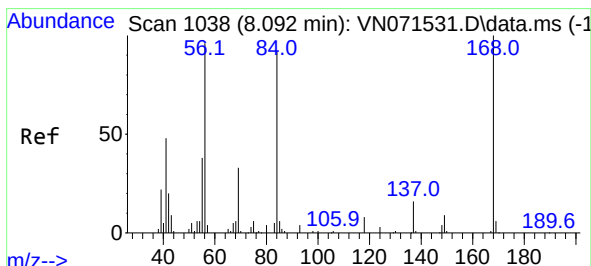
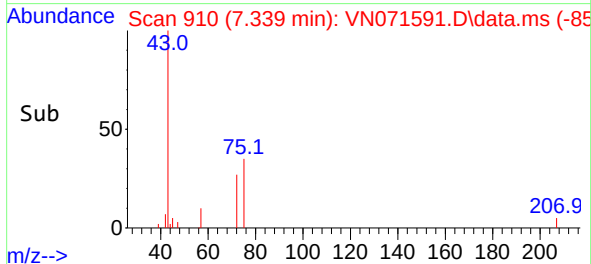
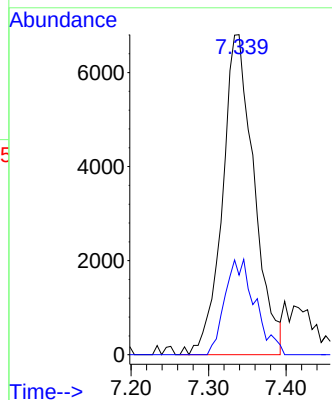
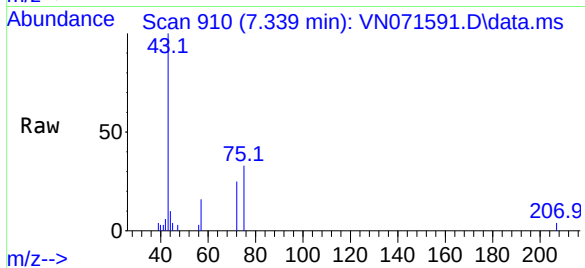
WC-14A-3-3

Tgt Ion: 43 Resp: 19342

Ion Ratio Lower Upper

43 100

72 24.8 23.7 35.5



#31

Cyclohexane

Concen: 6.658 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071591.D

Acq: 26 Mar 2022 22:39

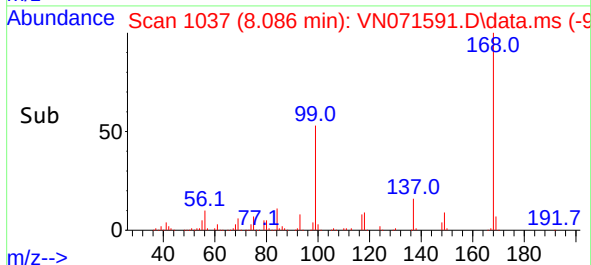
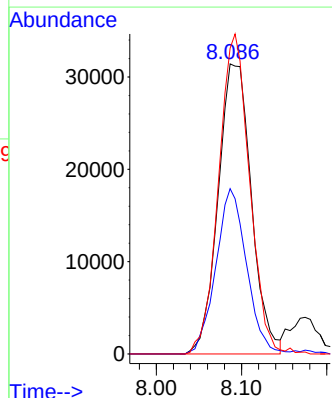
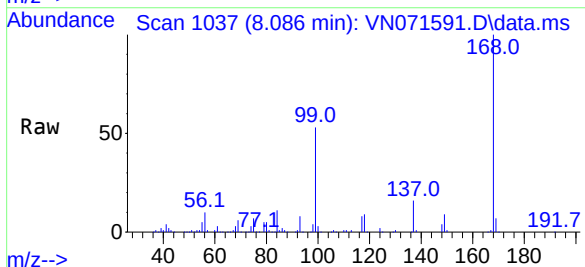
Tgt Ion: 56 Resp: 85226

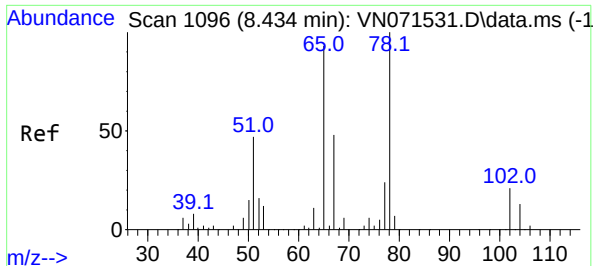
Ion Ratio Lower Upper

56 100

69 57.0 27.8 41.8#

84 105.4 76.9 115.3

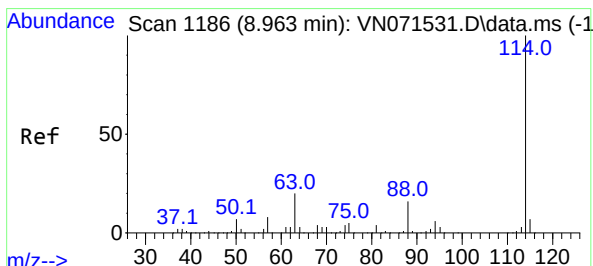
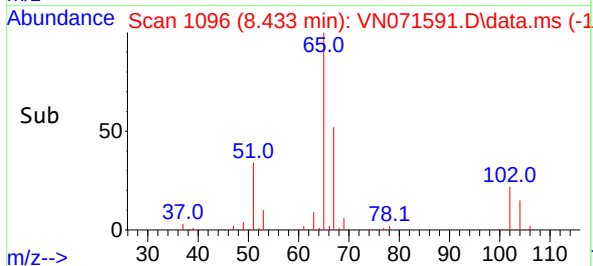
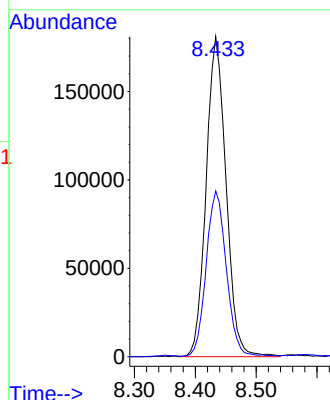
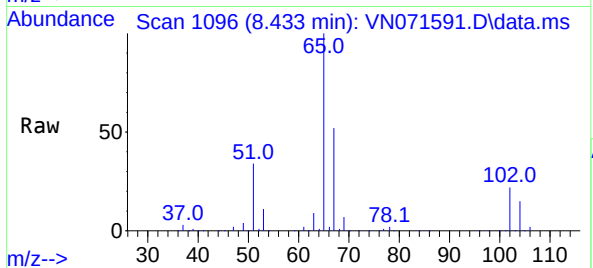




#33
1,2-Dichloroethane-d4
Concen: 45.914 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

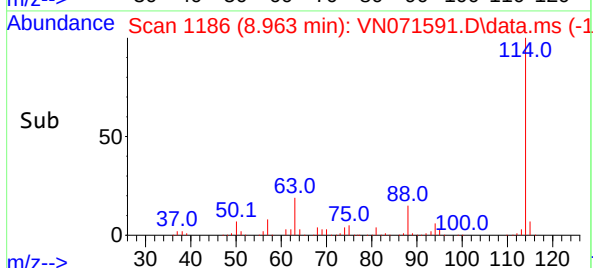
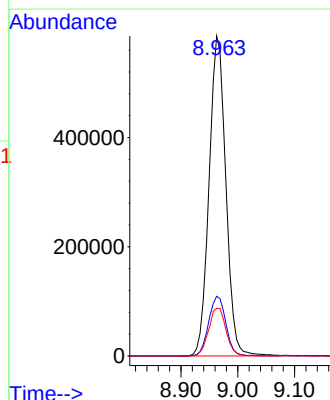
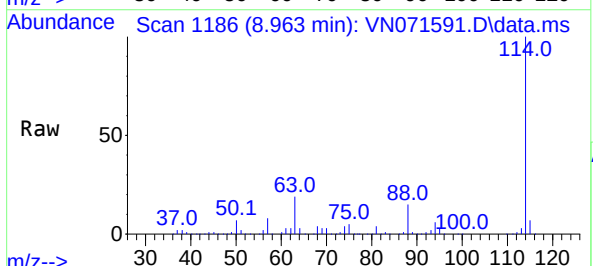
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WC-14A-3-3

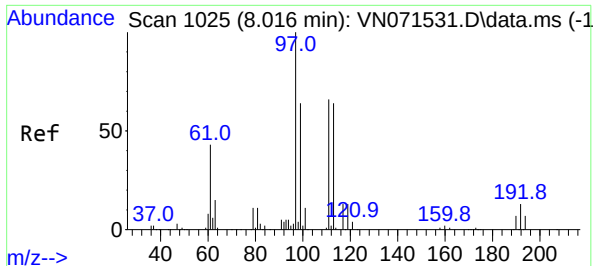
Tgt Ion: 65 Resp: 410708
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion:114 Resp: 1200427
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 14.9 0.0 32.6

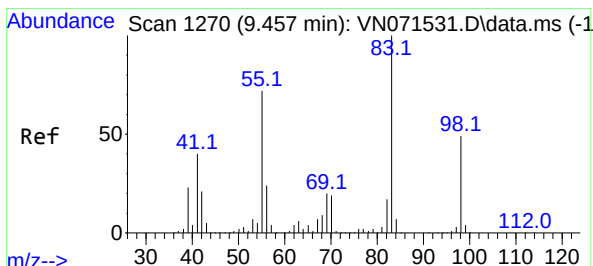
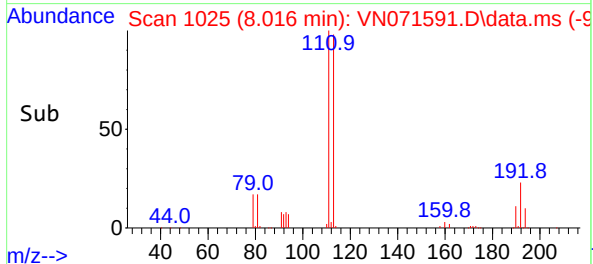
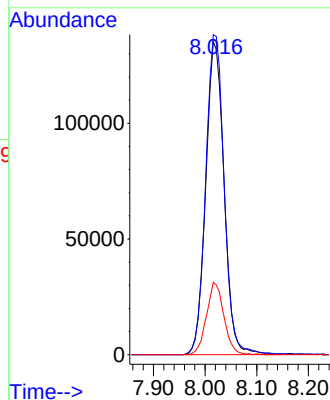
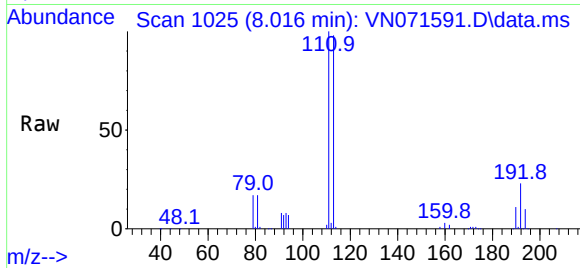




#35
Dibromofluoromethane
Concen: 44.205 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

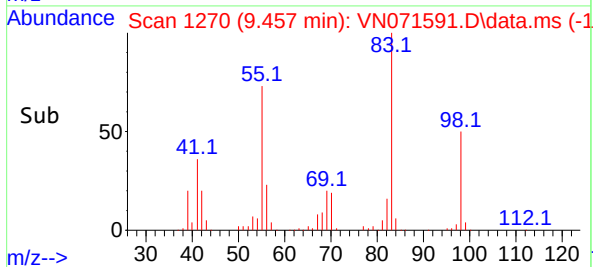
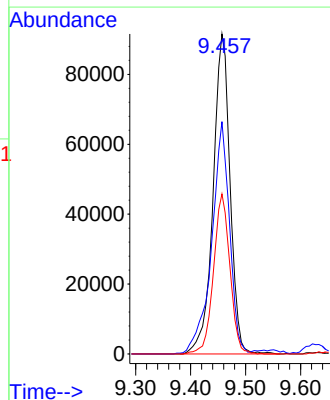
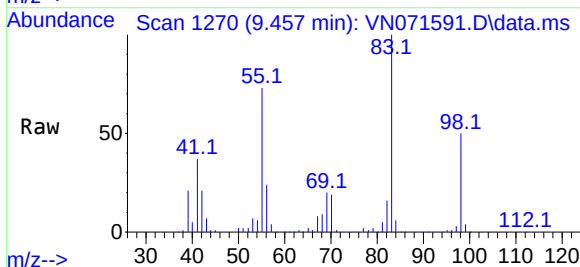
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

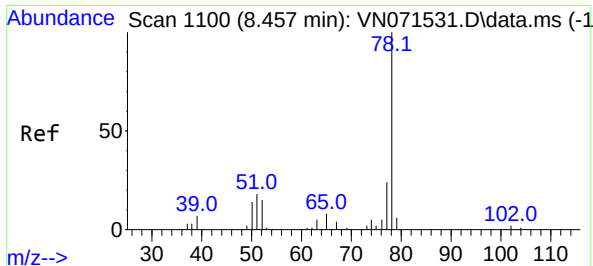
Tgt Ion:113 Resp: 333493
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 21.9 17.0 25.6



#39
Methylcyclohexane
Concen: 14.746 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 83 Resp: 196787
Ion Ratio Lower Upper
83 100
55 72.4 57.8 86.8
98 50.0 39.4 59.2

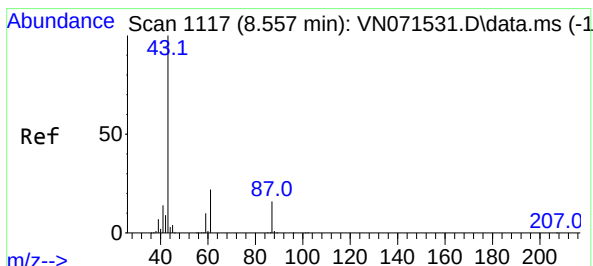
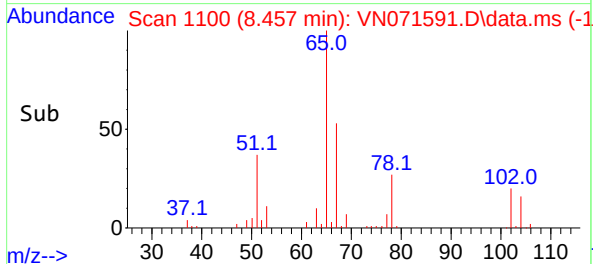
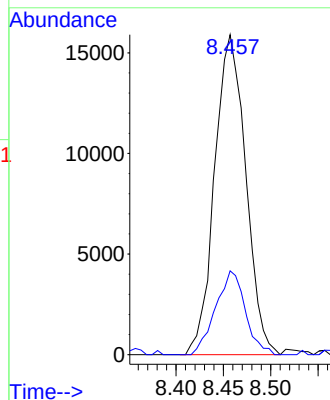
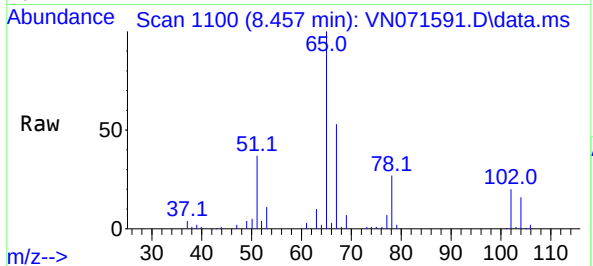




#40
Benzene
Concen: 1.074 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

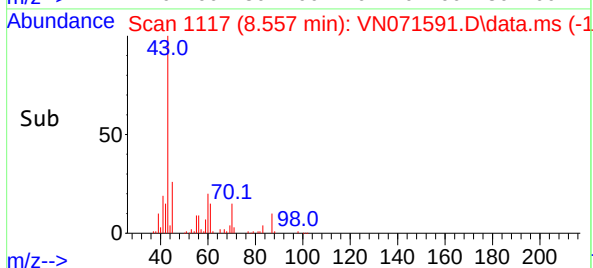
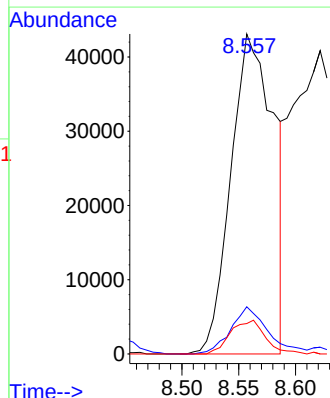
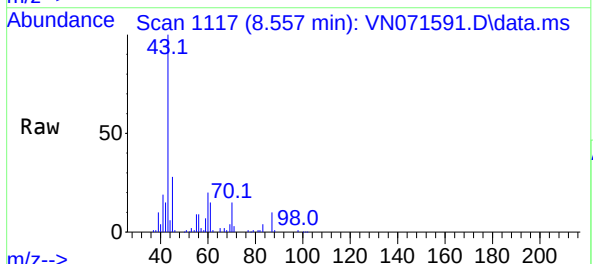
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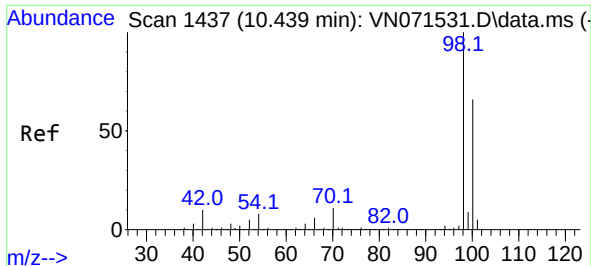
Tgt Ion: 78 Resp: 36360
Ion Ratio Lower Upper
78 100
77 26.2 19.4 29.0



#43
Isopropyl Acetate
Concen: 5.594 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 43 Resp: 112883
Ion Ratio Lower Upper
43 100
61 12.8 21.9 32.9#
87 8.6 12.0 18.0#

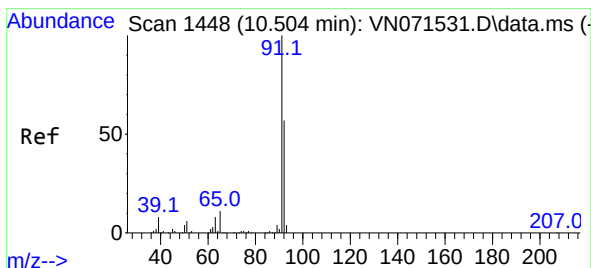
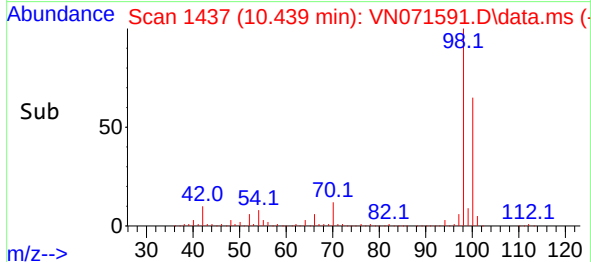
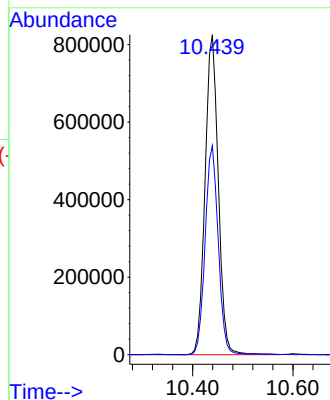
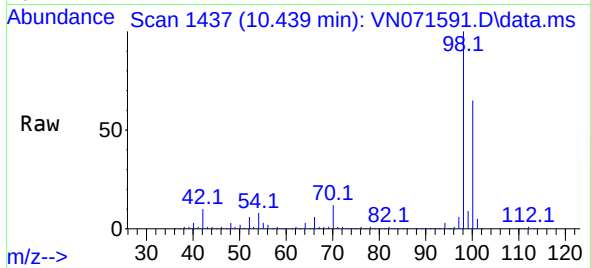




#50
Toluene-d8
Concen: 49.672 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

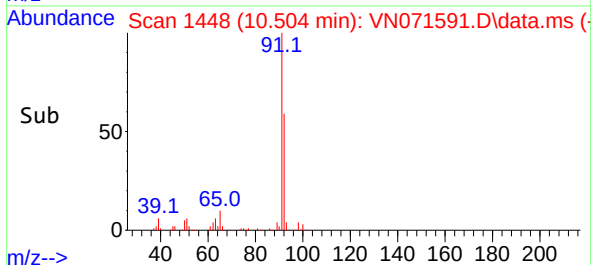
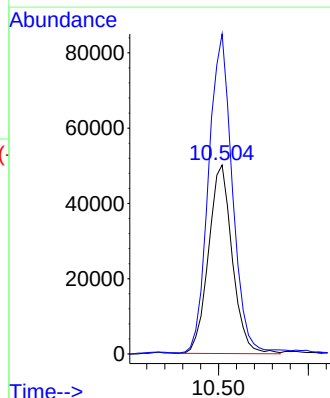
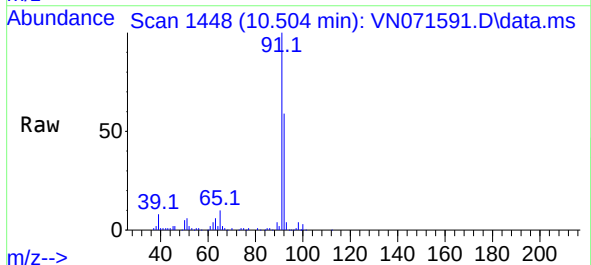
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

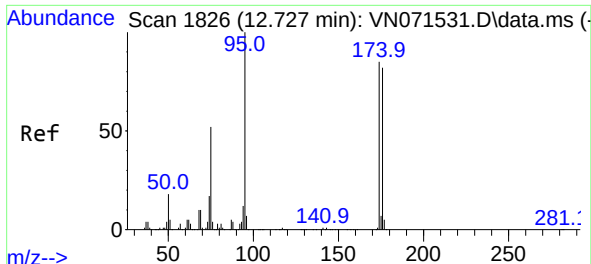
Tgt Ion: 98 Resp: 1511533
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#52
Toluene
Concen: 4.339 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 92 Resp: 91948
Ion Ratio Lower Upper
92 100
91 169.4 138.6 207.8

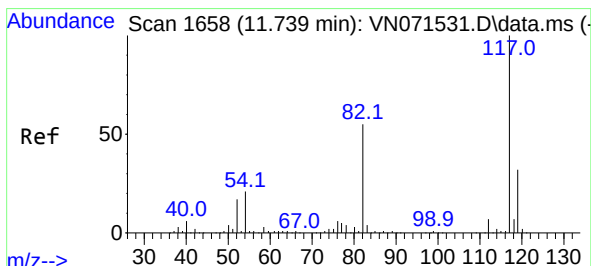
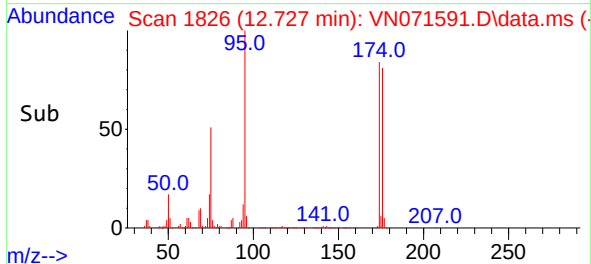
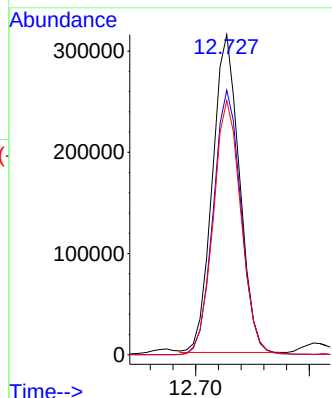
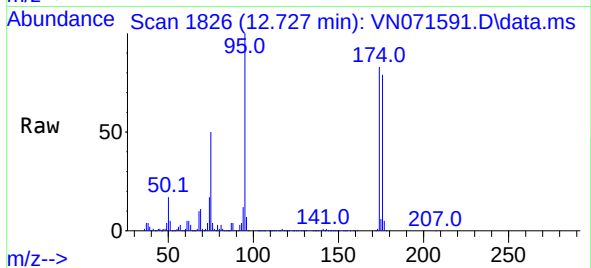




#62
4-Bromofluorobenzene
Concen: 51.979 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

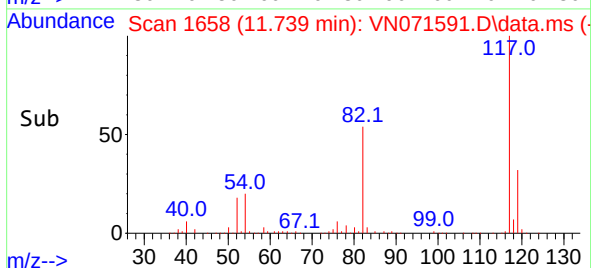
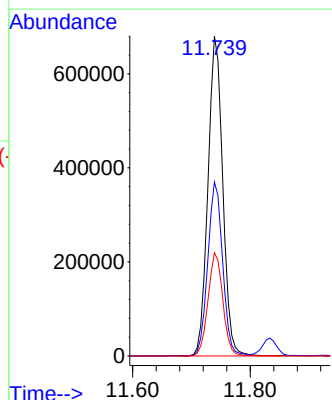
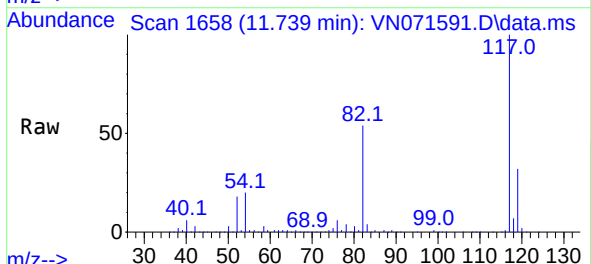
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

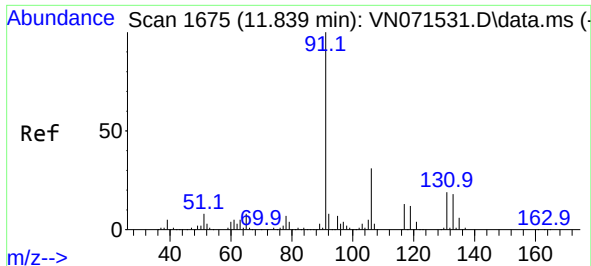
Tgt Ion: 95 Resp: 518275
Ion Ratio Lower Upper
95 100
174 85.8 0.0 167.6
176 82.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 117 Resp: 1189078
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.2 25.4 38.0

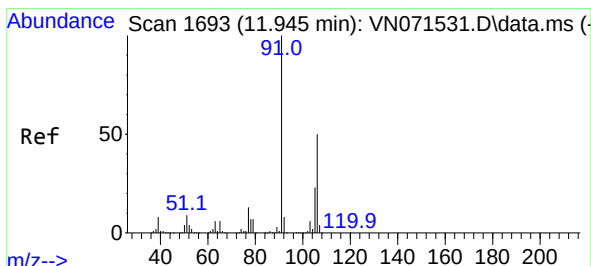
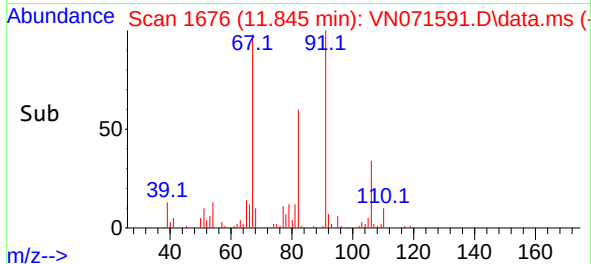
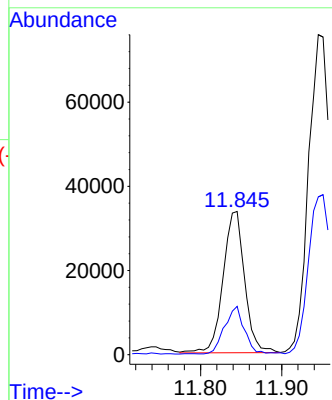
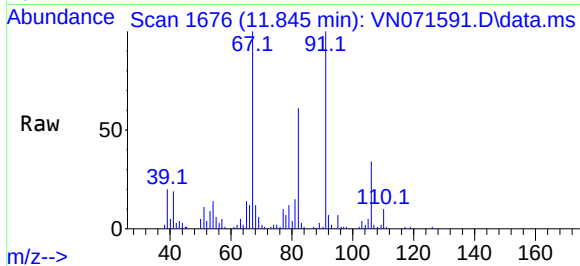




#67
Ethyl Benzene
Concen: 1.433 ug/l
RT: 11.845 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

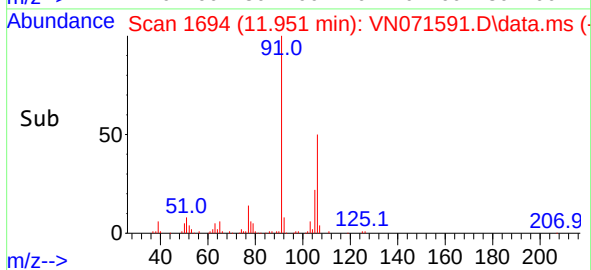
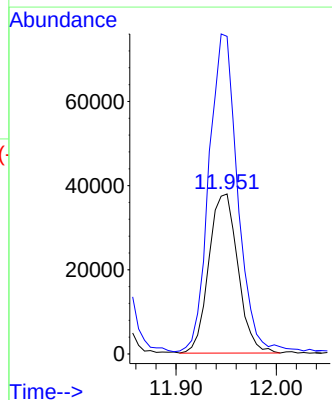
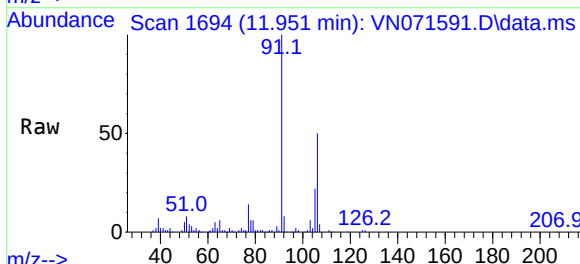
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

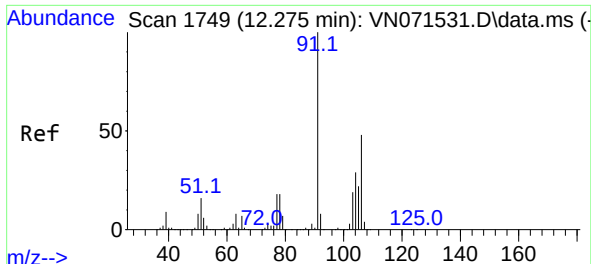
Tgt Ion: 91 Resp: 62082
Ion Ratio Lower Upper
91 100
106 33.8 24.9 37.3



#68
m/p-Xylenes
Concen: 4.589 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 106 Resp: 76057
Ion Ratio Lower Upper
106 100
91 197.8 158.9 238.3





#69

o-Xylene

Concen: 2.407 ug/l

RT: 12.280 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VN071591.D

Acq: 26 Mar 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

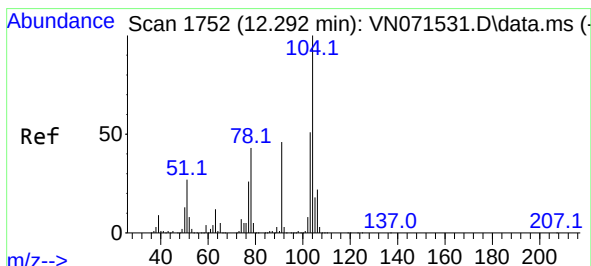
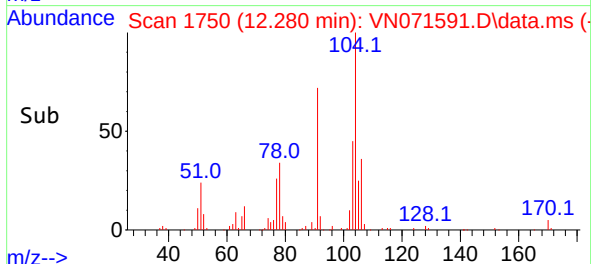
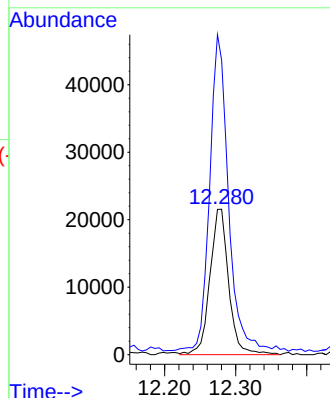
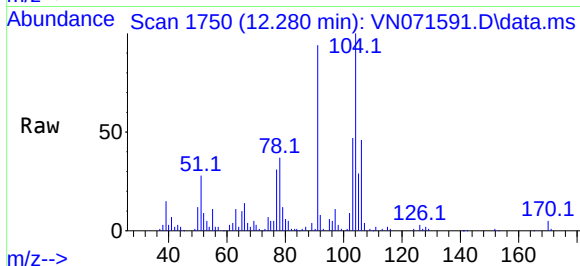
WC-14A-3-3

Tgt Ion:106 Resp: 39622

Ion Ratio Lower Upper

106 100

91 213.6 106.0 318.0



#70

Styrene

Concen: 8.295 ug/l

RT: 12.292 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VN071591.D

Acq: 26 Mar 2022 22:39

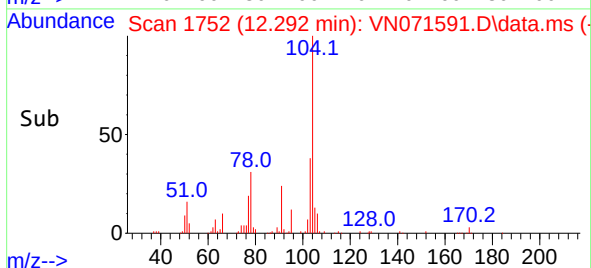
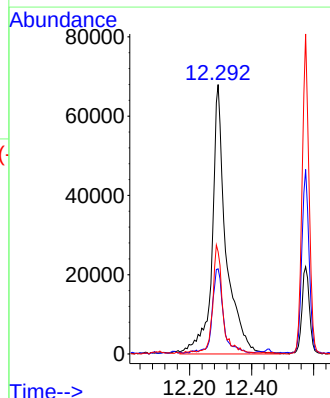
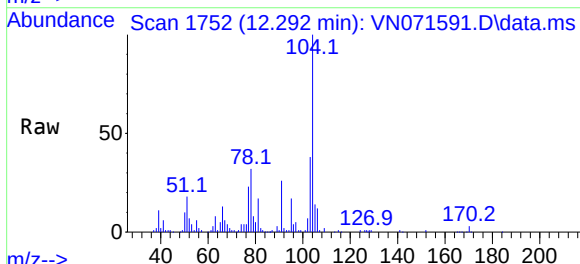
Tgt Ion:104 Resp: 212919

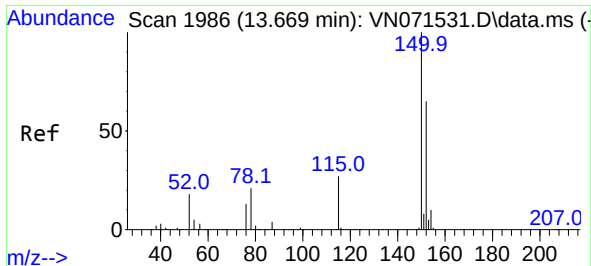
Ion Ratio Lower Upper

104 100

78 25.2 39.5 59.3#

103 27.9 44.0 66.0#

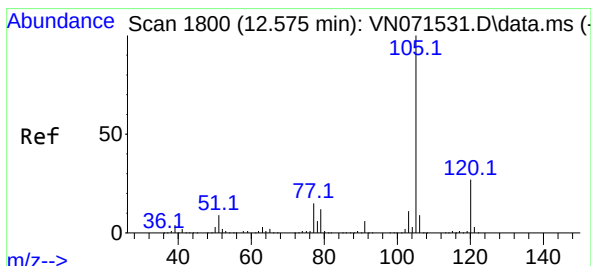
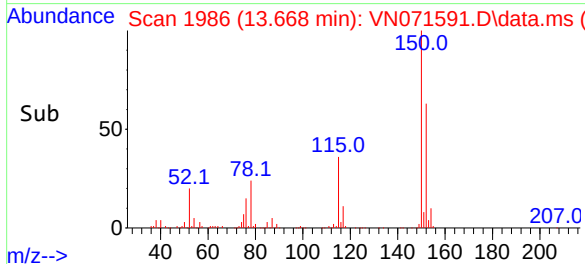
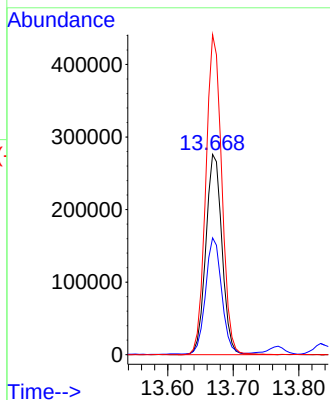
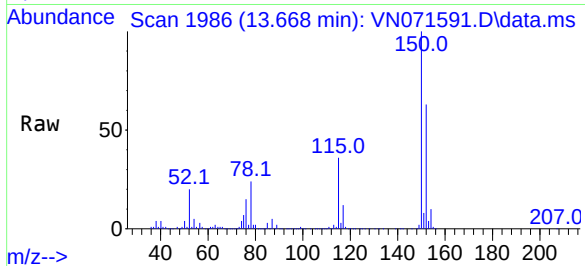




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

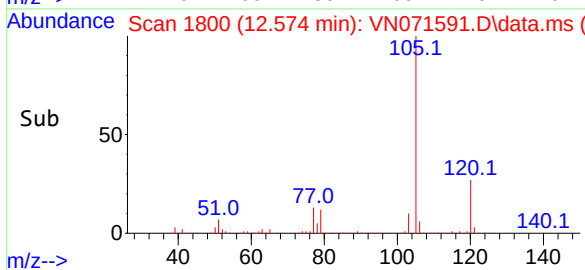
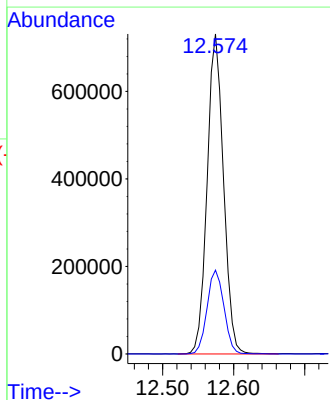
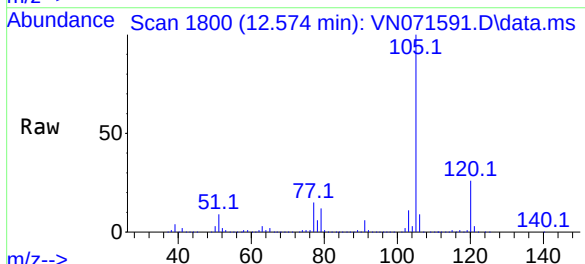
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

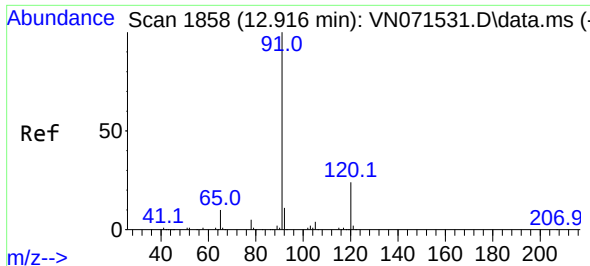
Tgt Ion:152 Resp: 473173
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 157.6 0.0 356.2



#73
Isopropylbenzene
Concen: 28.018 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion:105 Resp: 1168823
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

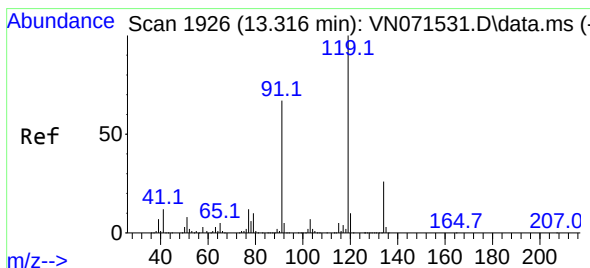
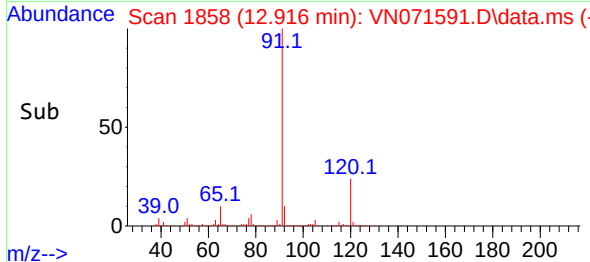
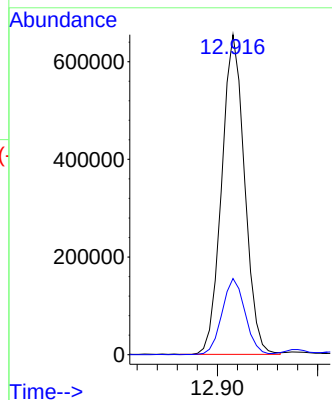
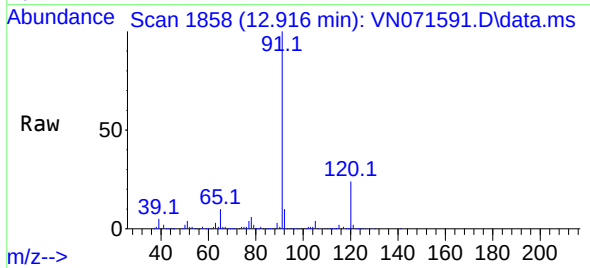




#78
n-propylbenzene
Concen: 23.378 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

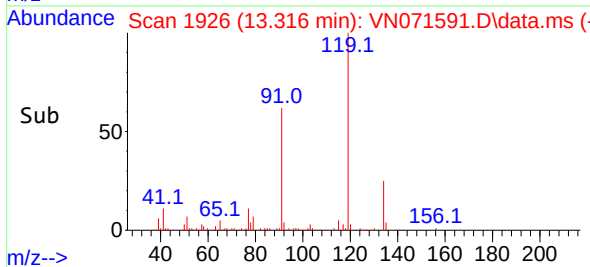
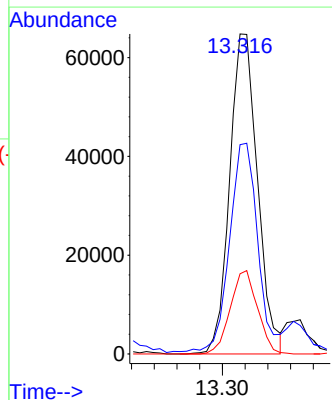
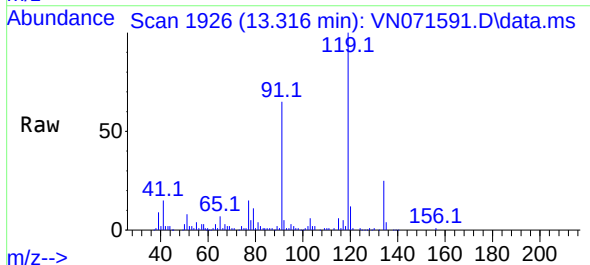
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

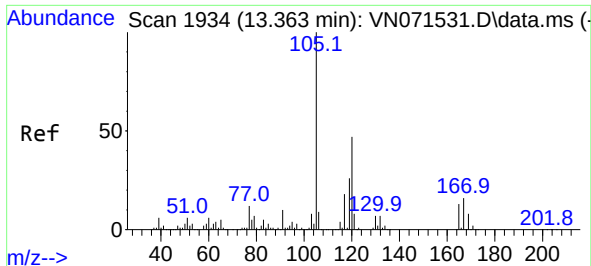
Tgt Ion: 91 Resp: 1037573
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5



#83
tert-Butylbenzene
Concen: 3.716 ug/l
RT: 13.316 min Scan# 1926
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion: 119 Resp: 110453
Ion Ratio Lower Upper
119 100
91 64.7 31.6 94.8
134 25.4 13.7 41.1

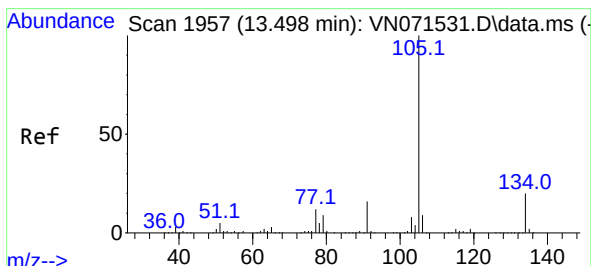
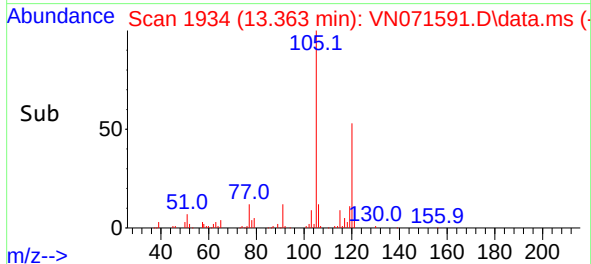
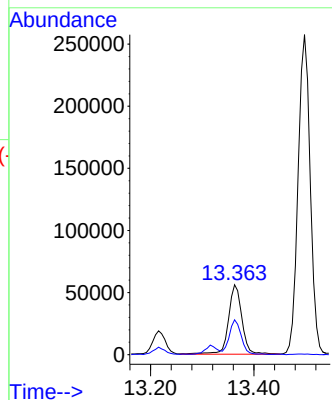
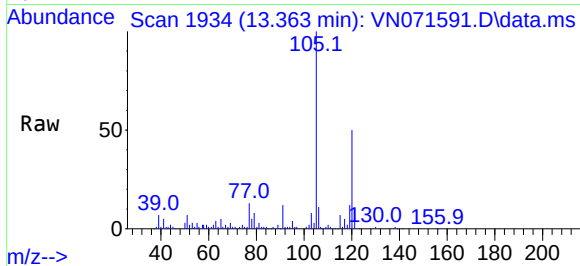




#84
1,2,4-Trimethylbenzene
Concen: 3.163 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

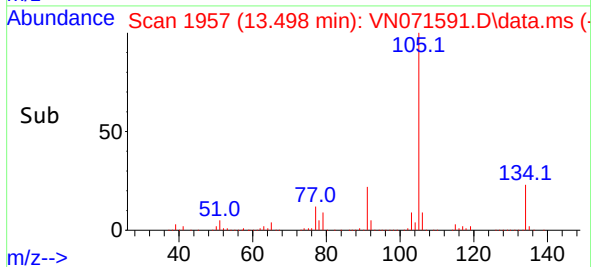
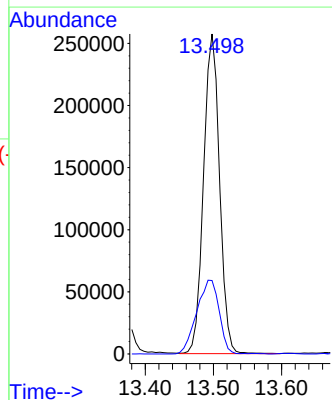
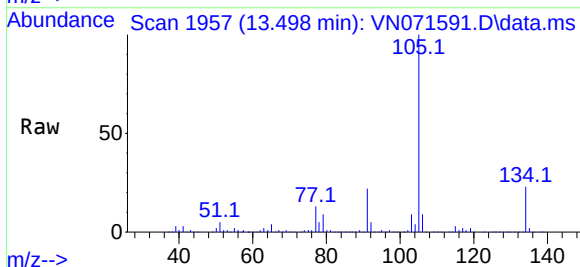
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

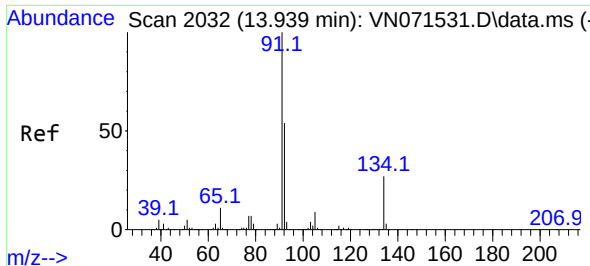
Tgt Ion:105 Resp: 100511
Ion Ratio Lower Upper
105 100
120 43.7 23.3 69.8



#85
sec-Butylbenzene
Concen: 10.649 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion:105 Resp: 419588
Ion Ratio Lower Upper
105 100
134 32.3 10.4 31.1#

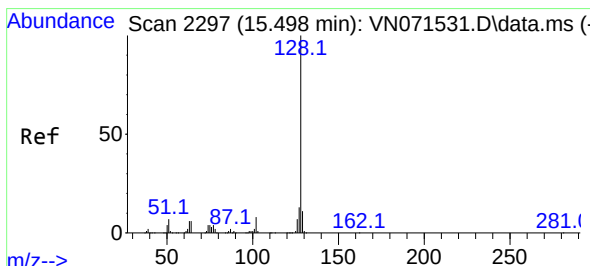
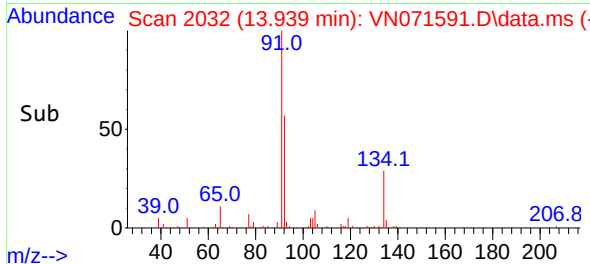
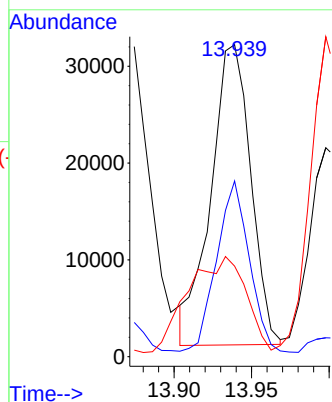
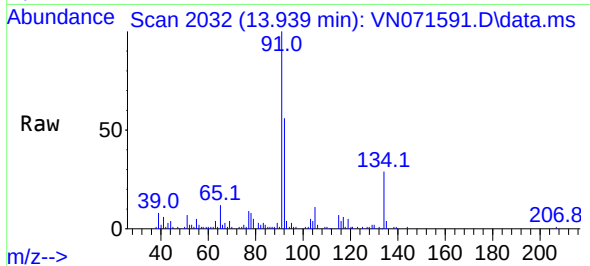




#89
n-Butylbenzene
Concen: 2.305 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-3-3

Tgt Ion: 91 Resp: 55456
Ion Ratio Lower Upper
91 100
92 50.4 26.9 80.7
134 50.4 13.6 40.8#



#95
Naphthalene
Concen: 30.477 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071591.D
Acq: 26 Mar 2022 22:39

Tgt Ion:128 Resp: 701662
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.6 8.6 13.0

