

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073034.D
 Acq On : 22 Jun 2022 18:55
 Operator : JC\MD
 Sample : N3381-11 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

Quant Time: Jun 23 07:33:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

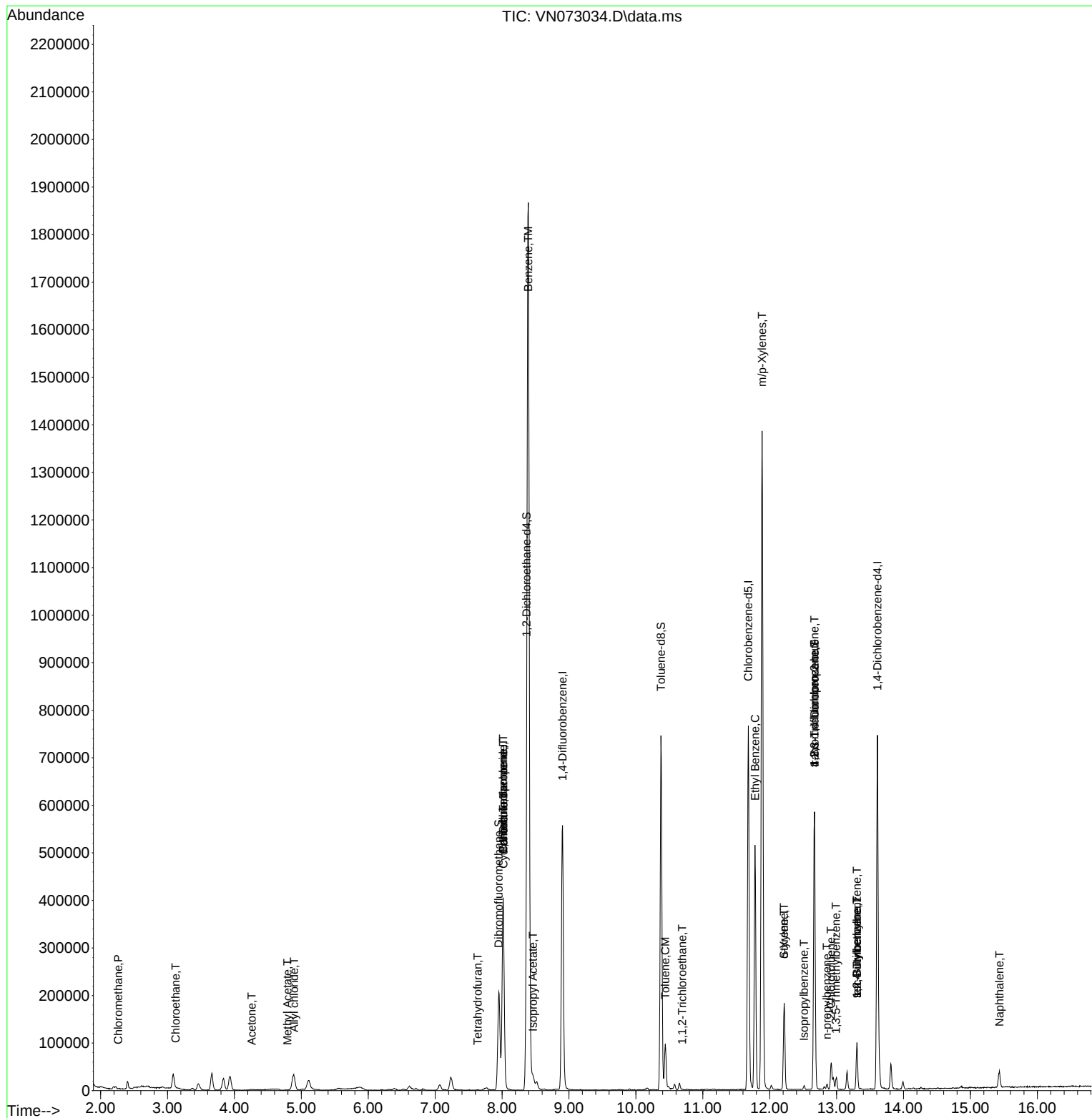
Internal Standards						
1) Pentafluorobenzene	8.016	168	298385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	489831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	428152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	195055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179390	44.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.940%		
35) Dibromofluoromethane	7.951	113	154027	50.874	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.740%		
50) Toluene-d8	10.375	98	506584	44.967	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.940%		
62) 4-Bromofluorobenzene	12.669	95	207121	51.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.260%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	374	0.690	ug/l #	43
6) Chloroethane	3.122	64	582	0.365	ug/l	98
14) Allyl chloride	4.893	41	6491	1.063	ug/l #	1
16) Acetone	4.257	43	2670	1.204	ug/l #	79
18) Methyl Acetate	4.793	43	1829	0.310	ug/l #	63
20) Methylene Chloride	5.010	84	420	Below Cal	#	63
26) 2,2-Dichloropropane	7.245	77	1735	Below Cal	#	53
29) Tetrahydrofuran	7.634	42	532	0.229	ug/l #	29
31) Cyclohexane	8.022	56	9569	1.754	ug/l #	56
36) 1,1-Dichloropropene	8.016	75	23525	5.742	ug/l #	48
38) Carbon Tetrachloride	8.016	117	30833	7.155	ug/l #	16
40) Benzene	8.392	78	1882346	146.203	ug/l	98
43) Isopropyl Acetate	8.463	43	2998	0.320	ug/l #	53
52) Toluene	10.439	92	39104	4.947	ug/l	98
55) 1,1,2-Trichloroethane	10.692	97	1198	0.345	ug/l #	16
67) Ethyl Benzene	11.780	91	372730	25.322	ug/l	99
68) m/p-Xylenes	11.886	106	450464	78.027	ug/l	98
69) o-Xylene	12.216	106	49845	8.640	ug/l	99
70) Styrene	12.216	104	2381	0.257	ug/l #	1
73) Isopropylbenzene	12.516	105	5111	0.339	ug/l	98
76) 1,2,3-Trichloropropane	12.669	75	107898	22.816	ug/l #	1
78) n-propylbenzene	12.857	91	9168	0.552	ug/l	94
79) 2-Chlorotoluene	12.916	91	4432	0.412	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.992	105	11999	0.968	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.669	75	107898	61.617	ug/l #	10
83) tert-Butylbenzene	13.304	119	6397	0.564	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.304	105	52931	4.287	ug/l	98
85) sec-Butylbenzene	13.304	105	52931	3.495	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.321	75	64	Below Cal	#	1
95) Naphthalene	15.433	128	33795	2.243	ug/l	98

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

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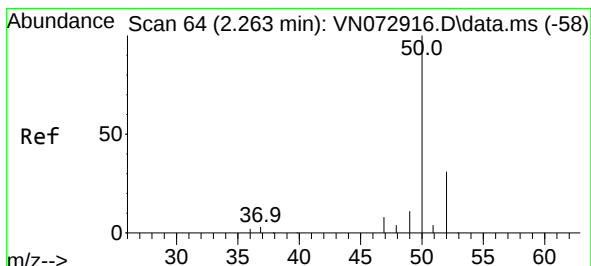
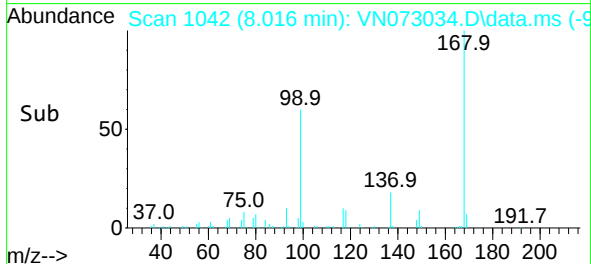
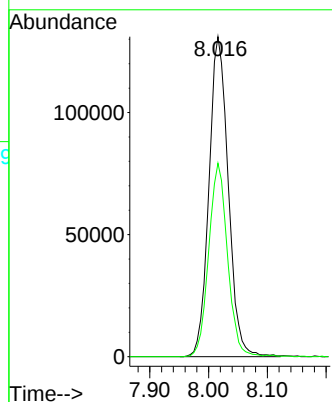
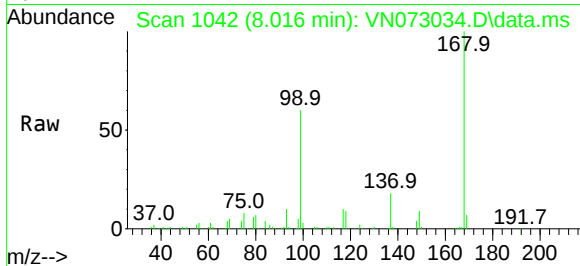




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

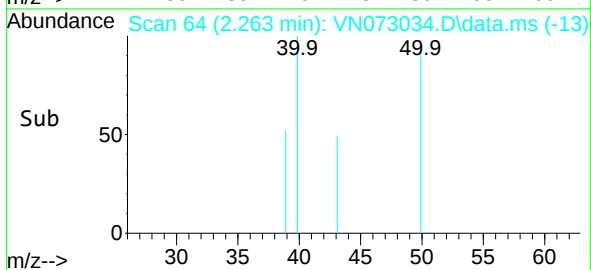
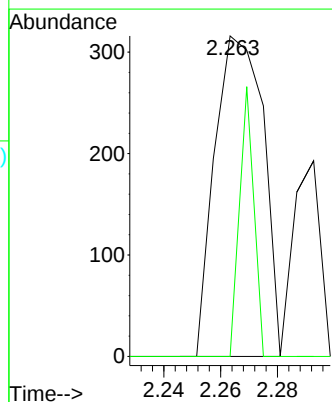
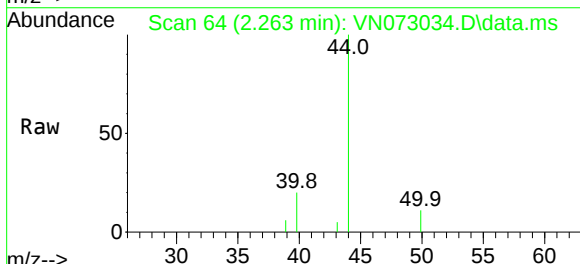
Instrument :
MSVOA_N
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MW-24

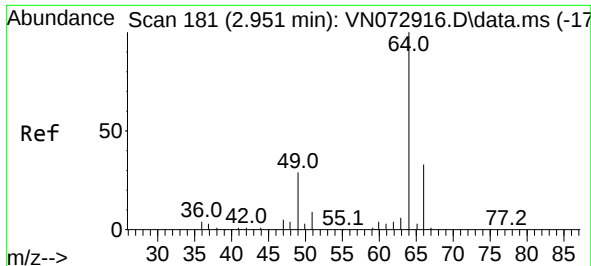
Tgt Ion:168 Resp: 298385
Ion Ratio Lower Upper
168 100
99 60.4 42.3 63.5



#3
Chloromethane
Concen: 0.690 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

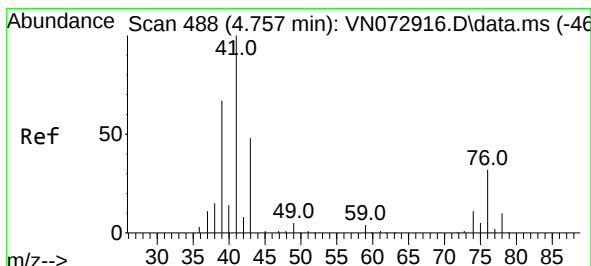
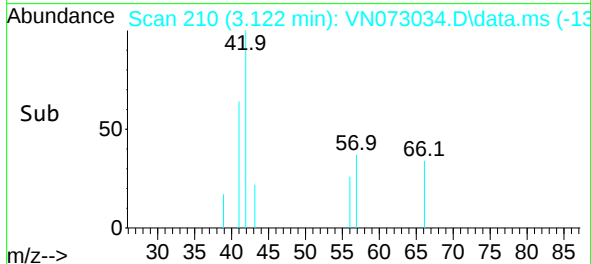
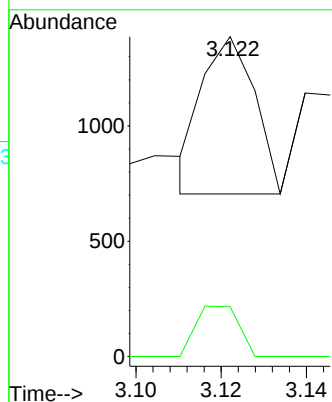
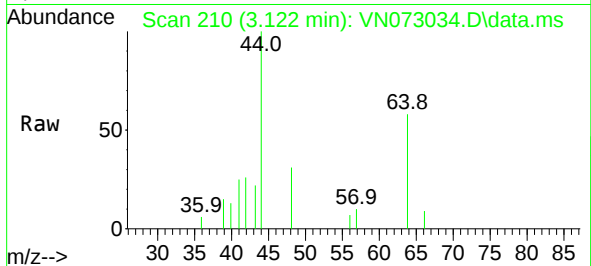




#6
Chloroethane
Concen: 0.365 ug/l
RT: 3.122 min Scan# 210
Delta R.T. 0.171 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

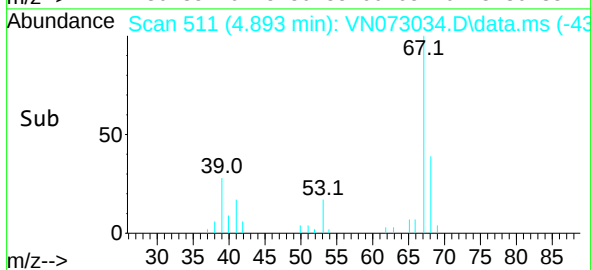
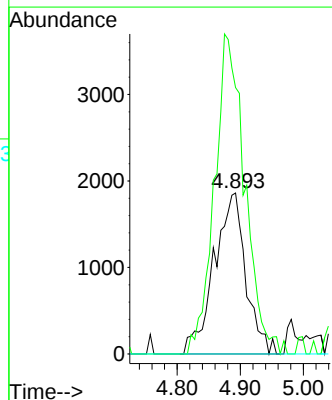
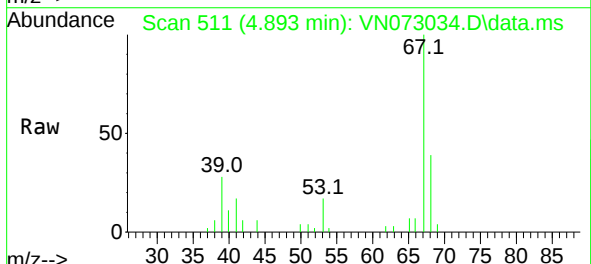
Instrument :
MSVOA_N
ClientSampleId :
MW-24

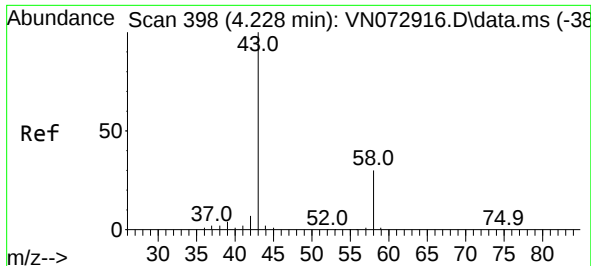
Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 31.7 26.2 39.4



#14
Allyl chloride
Concen: 1.063 ug/l
RT: 4.893 min Scan# 511
Delta R.T. 0.135 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 41 Resp: 6491
Ion Ratio Lower Upper
41 100
39 190.6 53.2 79.8#
76 0.0 29.9 44.9#





#16

Acetone

Concen: 1.204 ug/l

RT: 4.257 min Scan# 403

Delta R.T. 0.029 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

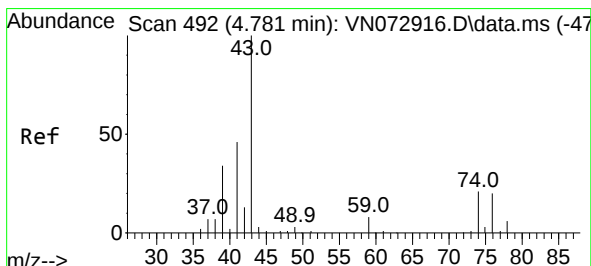
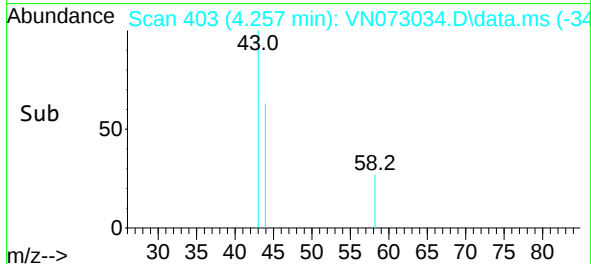
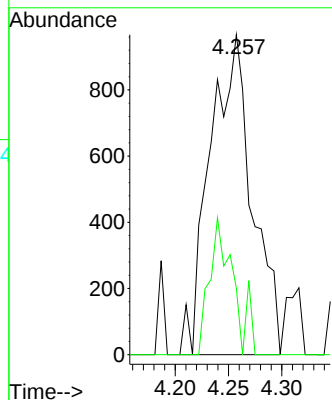
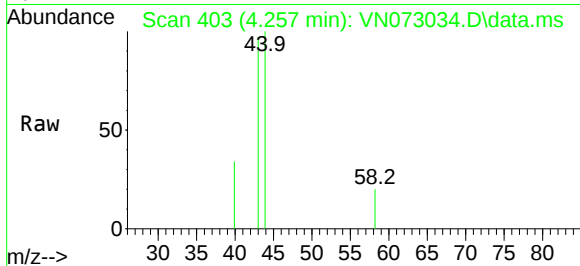
MW-24

Tgt Ion: 43 Resp: 2670

Ion Ratio Lower Upper

43 100

58 20.8 26.0 39.0#



#18

Methyl Acetate

Concen: 0.310 ug/l

RT: 4.793 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073034.D

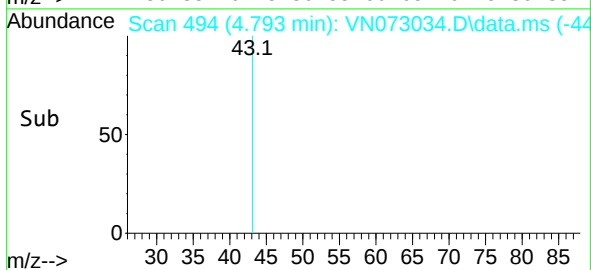
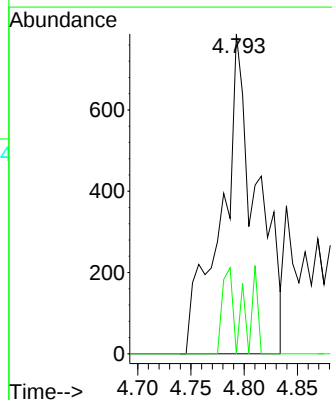
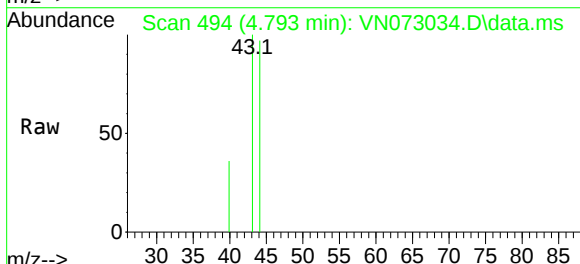
Acq: 22 Jun 2022 18:55

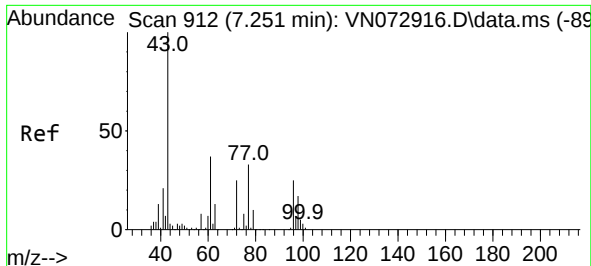
Tgt Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

74 7.6 21.6 32.4#

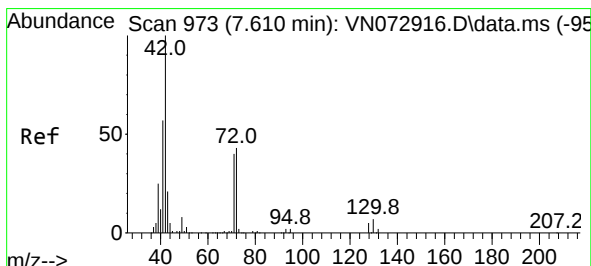
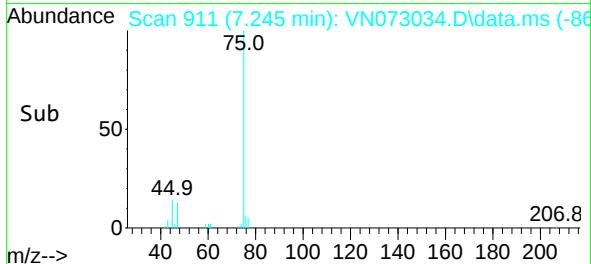
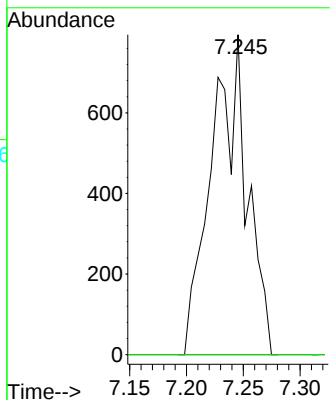
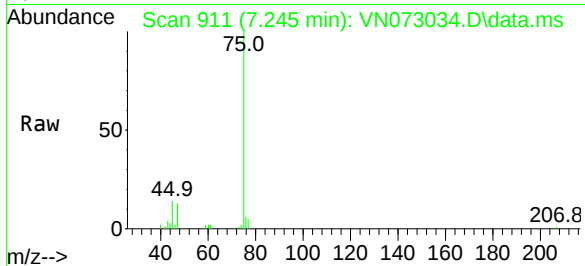




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

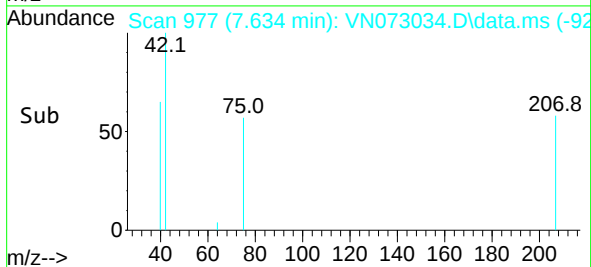
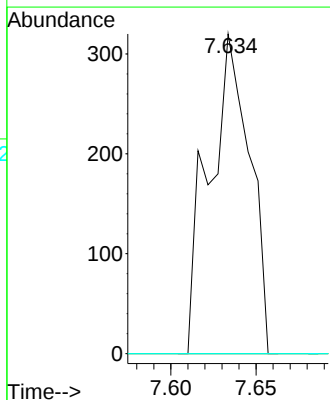
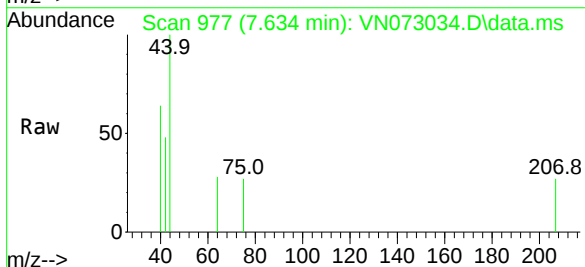
Instrument :
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ClientSampleId :
MW-24

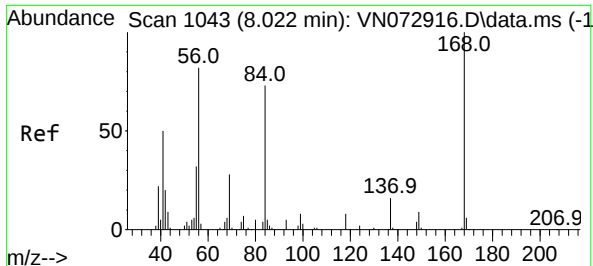
Tgt Ion: 77 Resp: 1735
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 7.634 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#

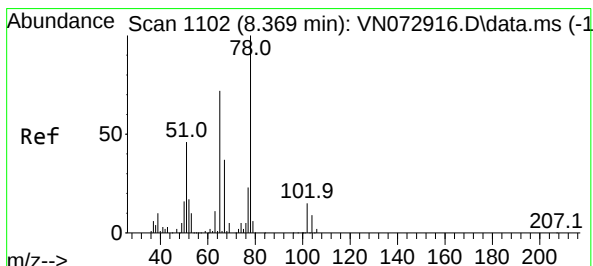
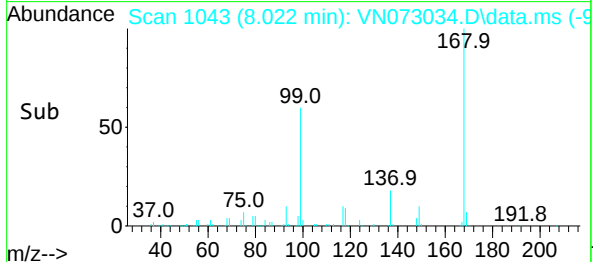
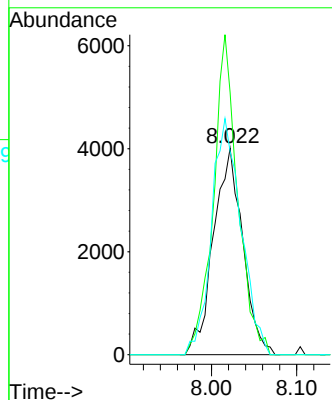
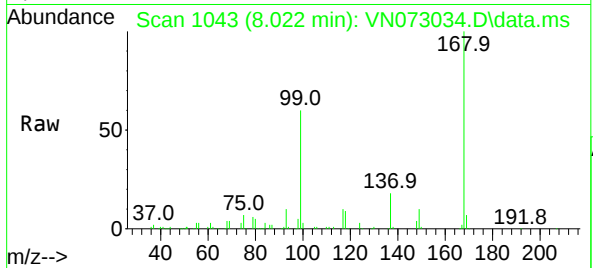




#31
Cyclohexane
Concen: 1.754 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

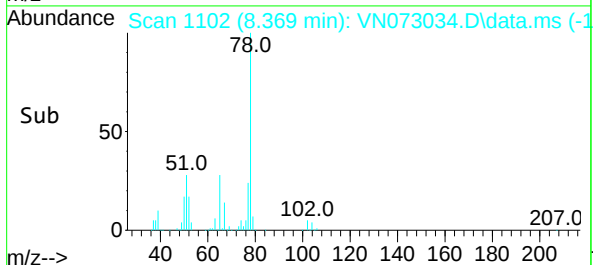
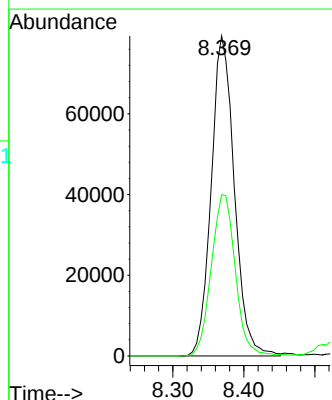
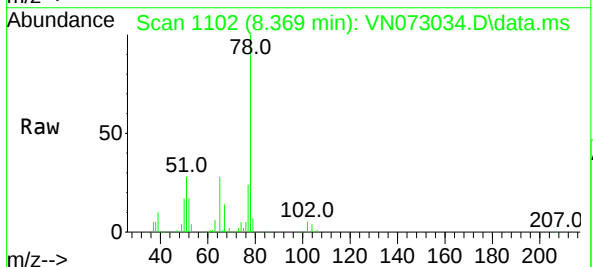
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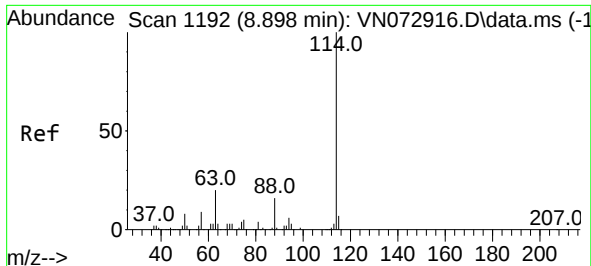
Tgt Ion: 56 Resp: 9569
Ion Ratio Lower Upper
56 100
69 127.0 27.8 41.8#
84 98.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 44.469 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 65 Resp: 179390
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

MW-24

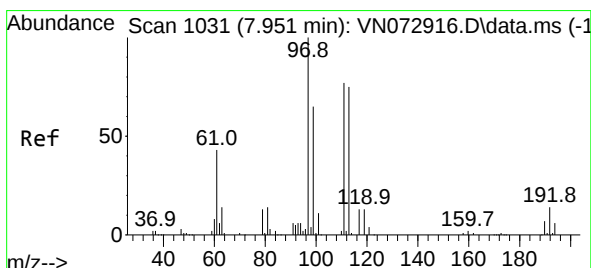
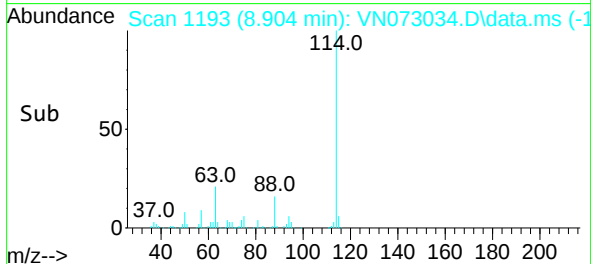
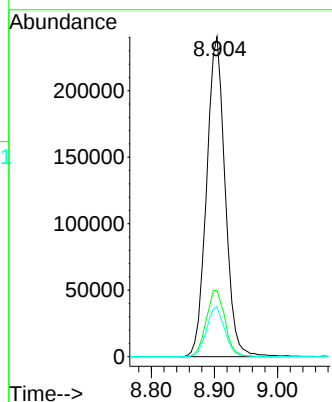
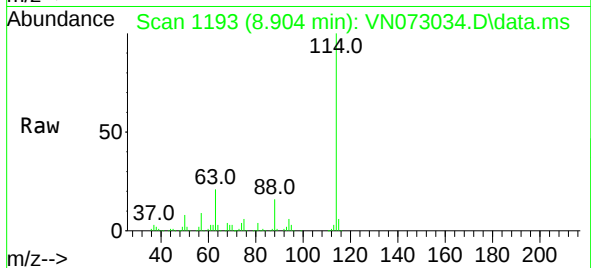
Tgt Ion:114 Resp: 489831

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.874 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

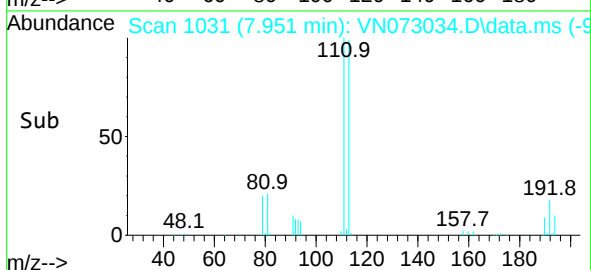
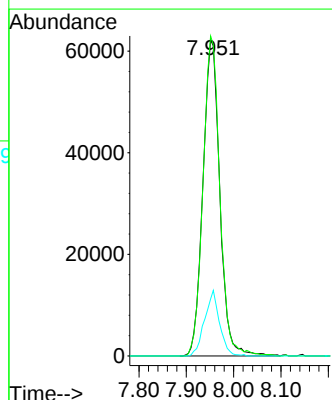
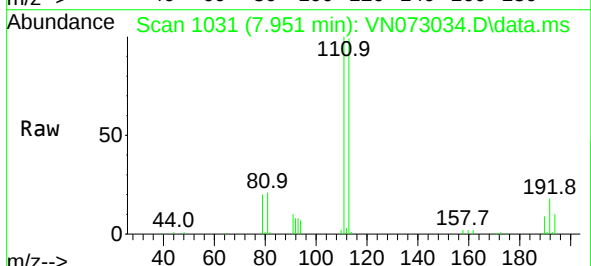
Tgt Ion:113 Resp: 154027

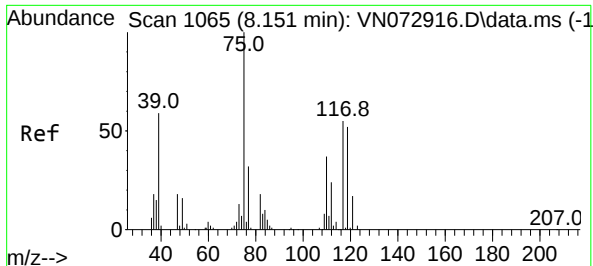
Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.0

192 18.4 17.0 25.6

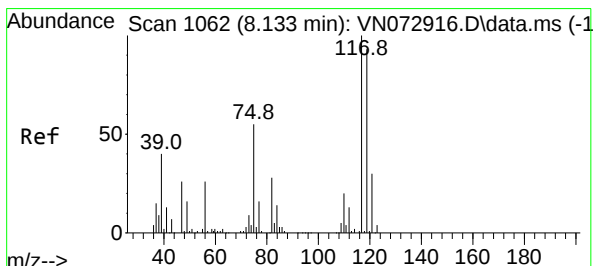
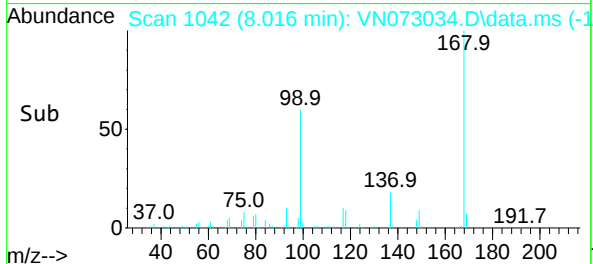
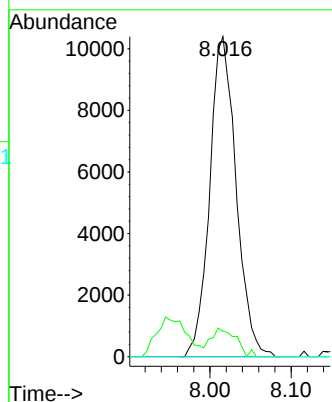
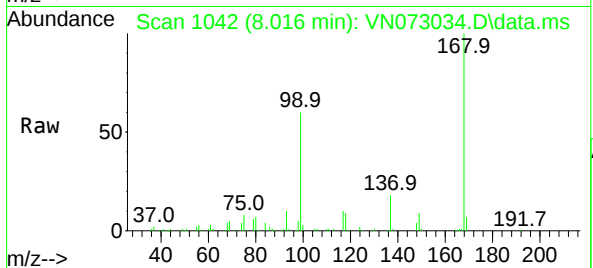




#36
1,1-Dichloropropene
Concen: 5.742 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

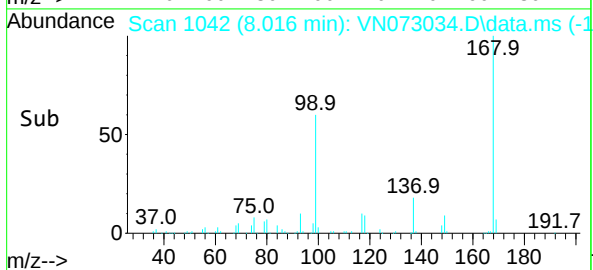
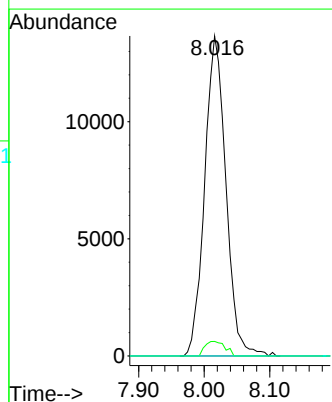
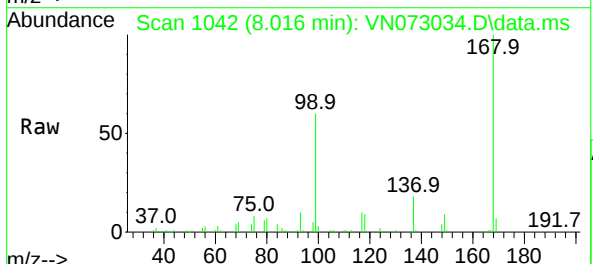
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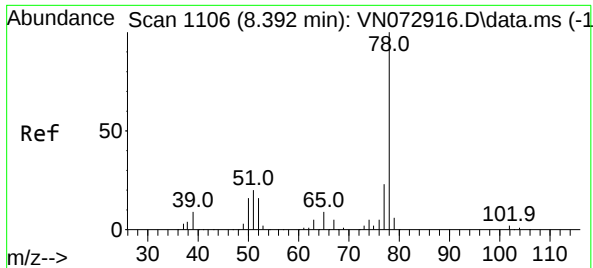
Tgt Ion: 75 Resp: 23525
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.155 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 117 Resp: 30833
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

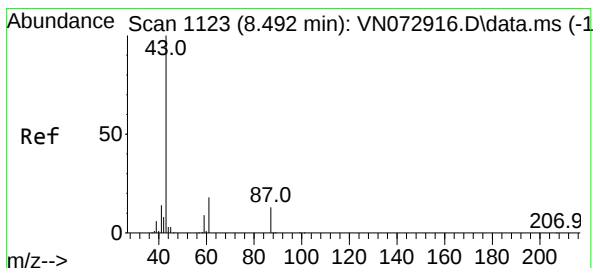
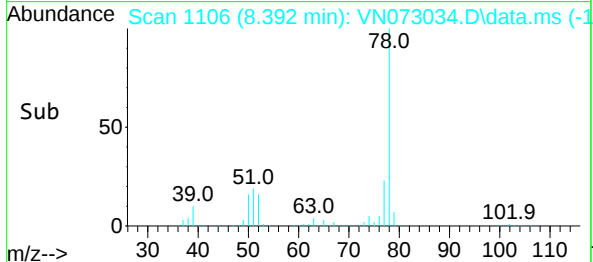
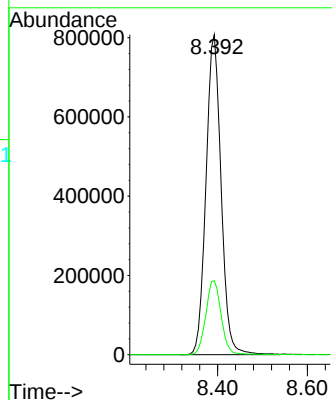
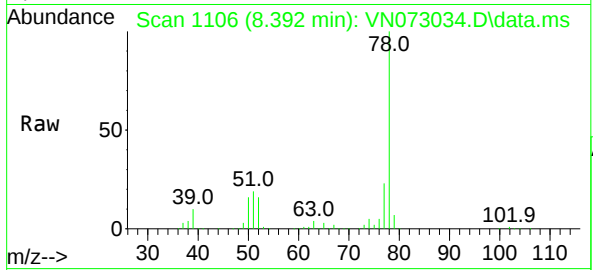




#40
Benzene
Concen: 146.203 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

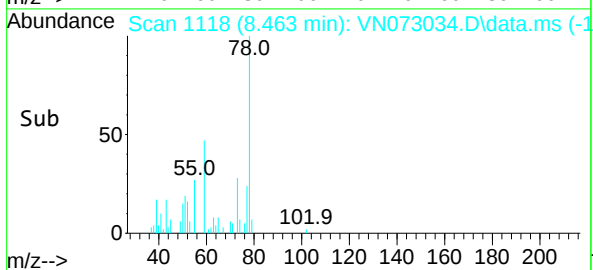
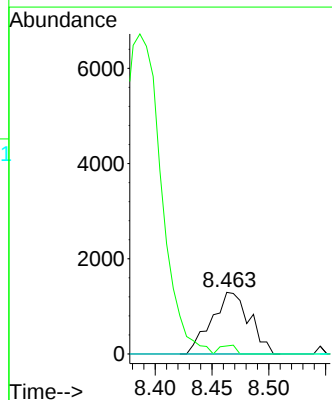
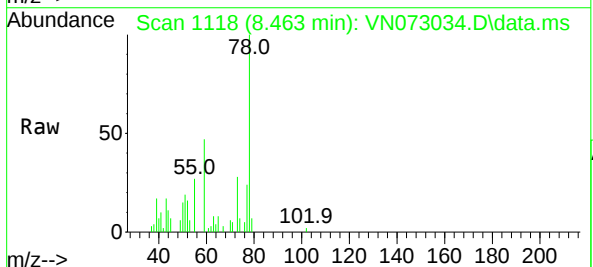
Instrument :
MSVOA_N
ClientSampleId :
MW-24

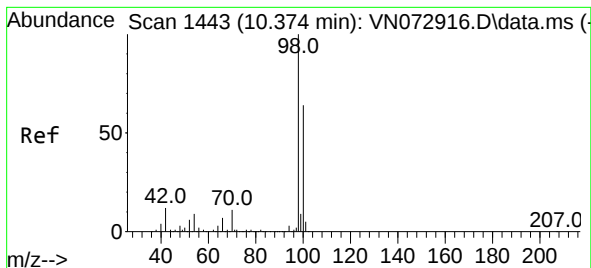
Tgt Ion: 78 Resp: 1882346
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.320 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.029 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 43 Resp: 2998
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 44.967 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

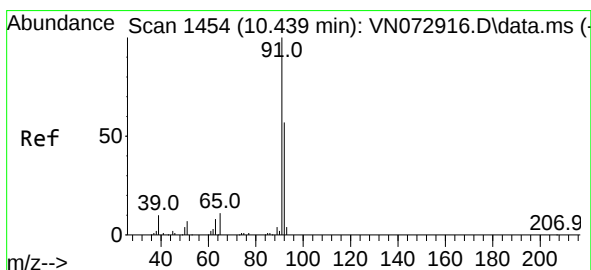
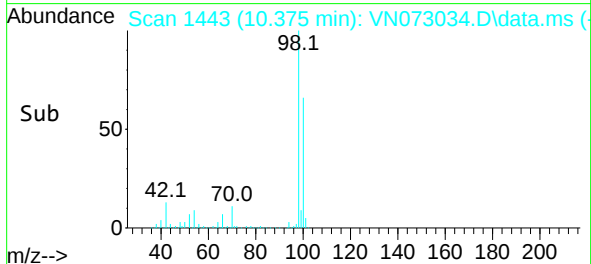
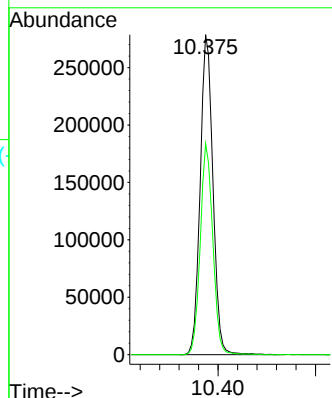
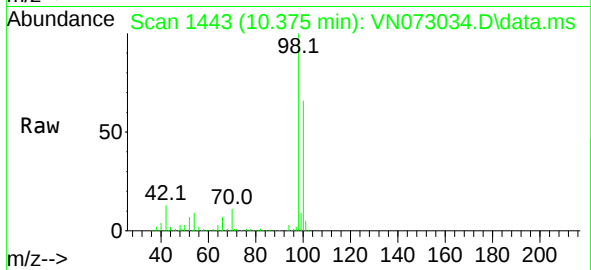
MW-24

Tgt Ion: 98 Resp: 506584

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#52

Toluene

Concen: 4.947 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073034.D

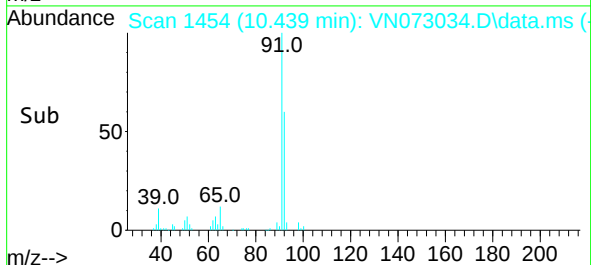
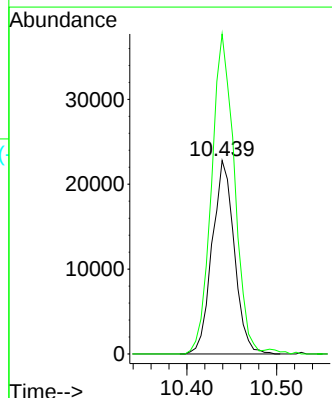
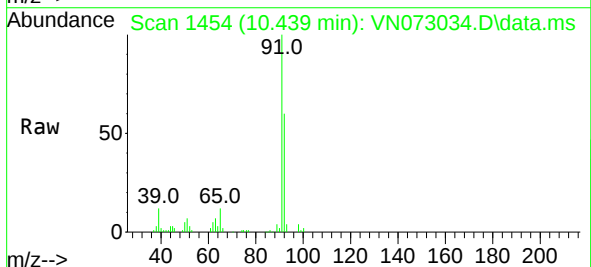
Acq: 22 Jun 2022 18:55

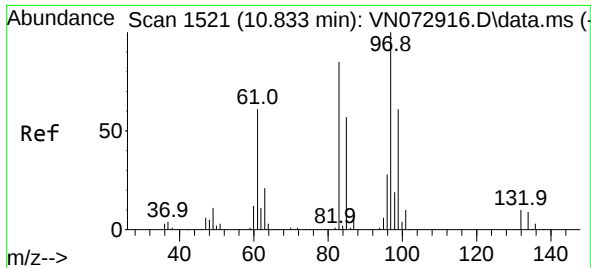
Tgt Ion: 92 Resp: 39104

Ion Ratio Lower Upper

92 100

91 170.4 138.6 207.8

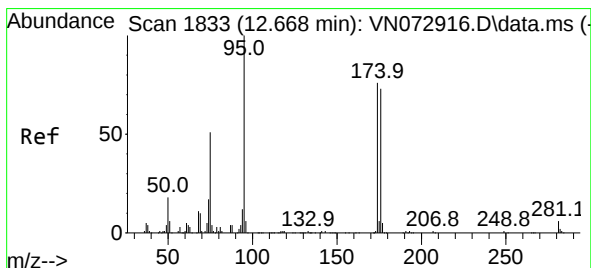
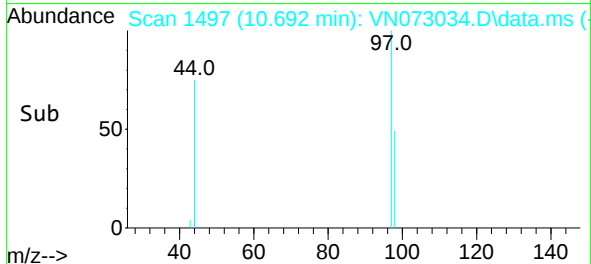
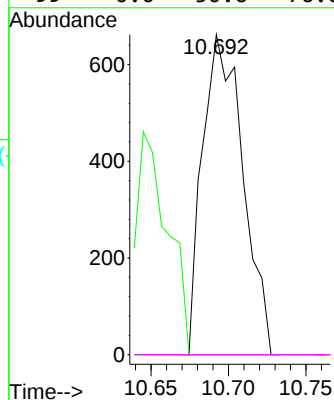
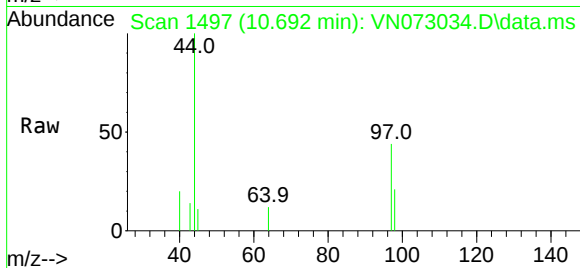




#55
1,1,2-Trichloroethane
Concen: 0.345 ug/l
RT: 10.692 min Scan# 1497
Delta R.T. -0.141 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

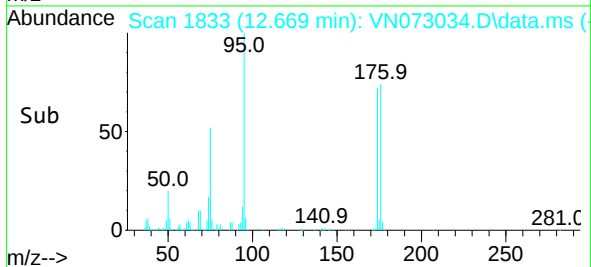
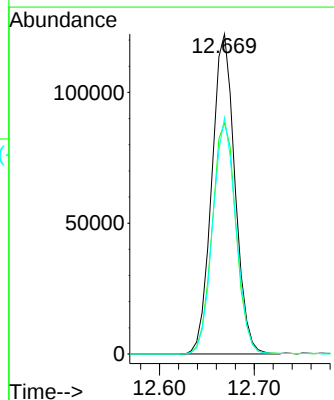
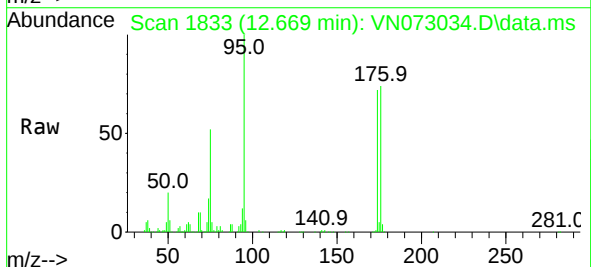
Instrument :
MSVOA_N
ClientSampleId :
MW-24

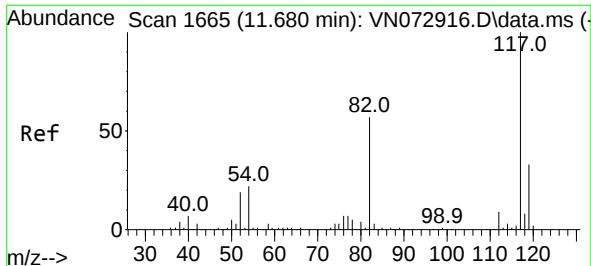
Tgt Ion: 97	Resp:	1198
Ion	Ratio	Lower Upper
97	100	
83	0.0	66.2 99.4#
85	0.0	43.9 65.9#
99	0.0	50.6 76.0#



#62
4-Bromofluorobenzene
Concen: 51.128 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 95	Resp:	207121
Ion	Ratio	Lower Upper
95	100	
174	74.6	0.0 167.6
176	73.4	0.0 163.4

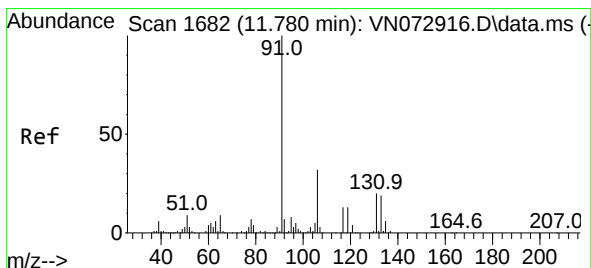
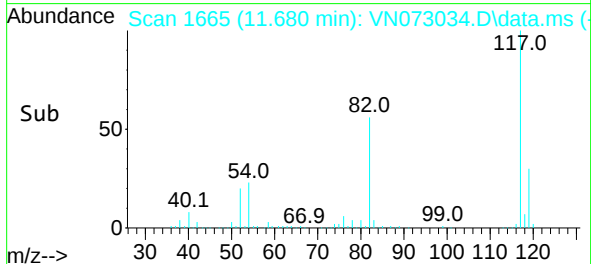
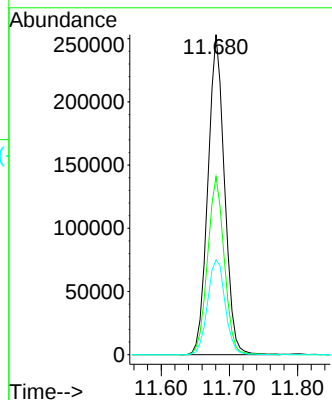
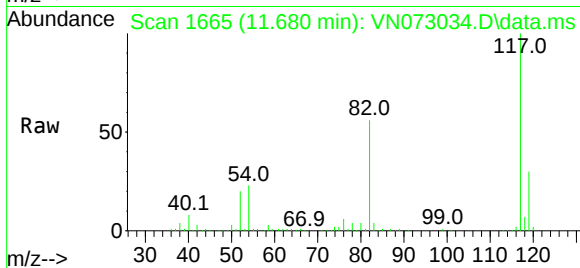




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

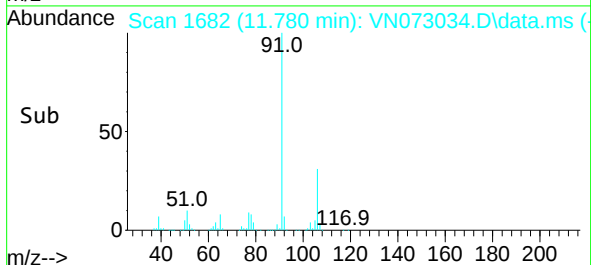
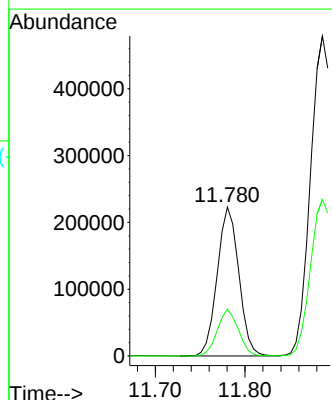
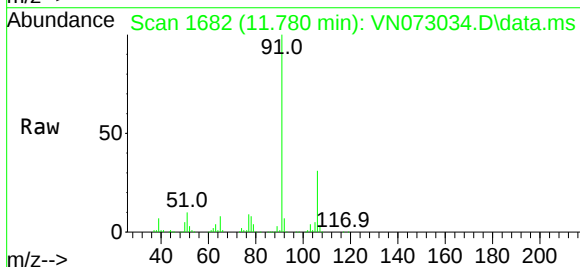
Instrument :
MSVOA_N
ClientSampleId :
MW-24

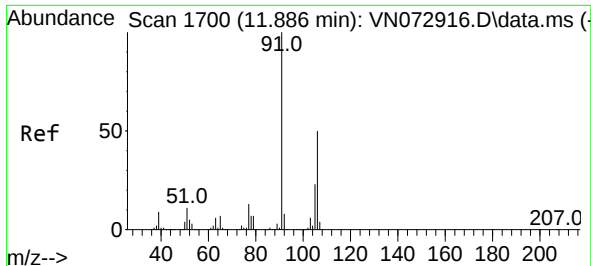
Tgt Ion:117 Resp: 428152
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 29.6 25.4 38.0



#67
Ethyl Benzene
Concen: 25.322 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 91 Resp: 372730
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

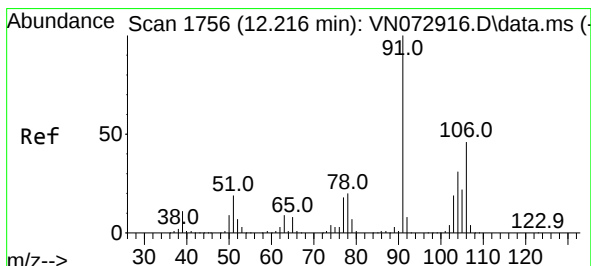
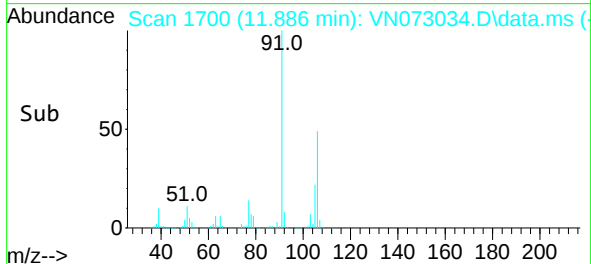
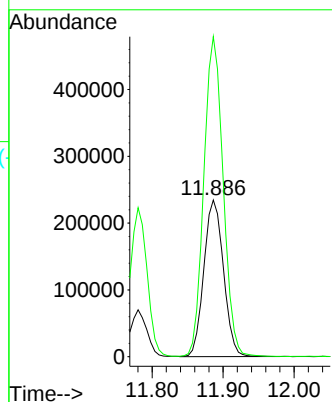
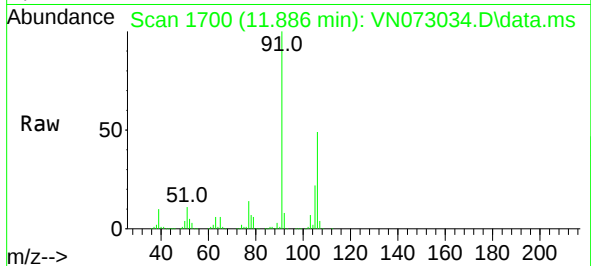




#68
m/p-Xylenes
Concen: 78.027 ug/l
RT: 11.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

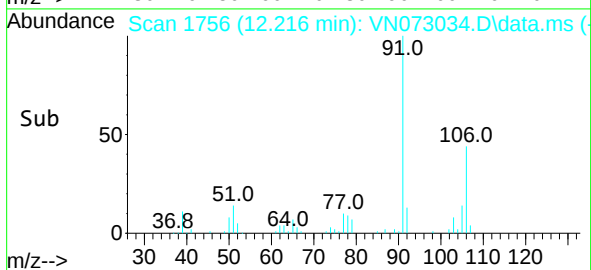
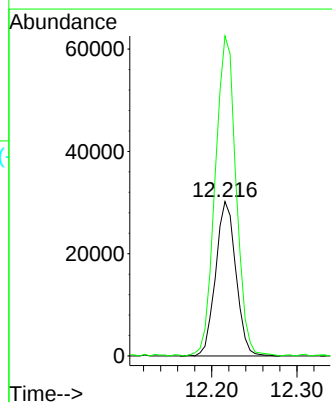
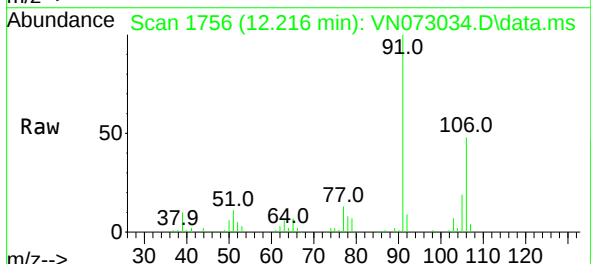
Instrument :
MSVOA_N
ClientSampleId :
MW-24

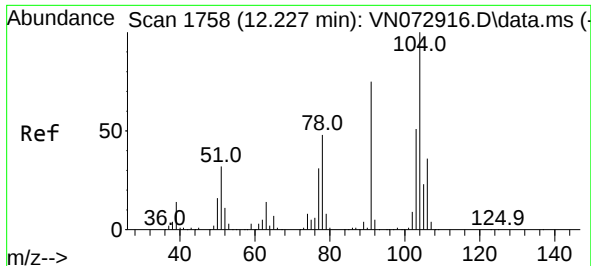
Tgt Ion:106 Resp: 450464
Ion Ratio Lower Upper
106 100
91 201.3 158.9 238.3



#69
o-Xylene
Concen: 8.640 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion:106 Resp: 49845
Ion Ratio Lower Upper
106 100
91 213.6 106.0 318.0

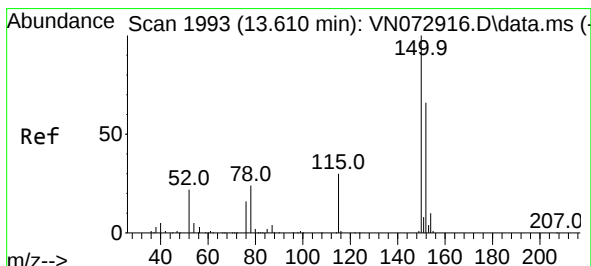
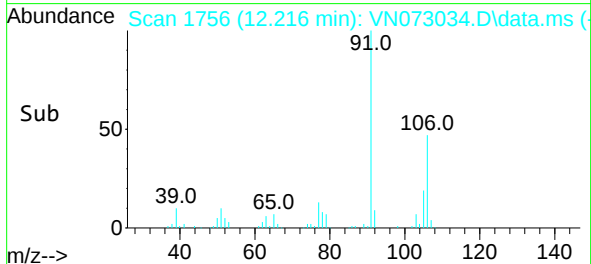
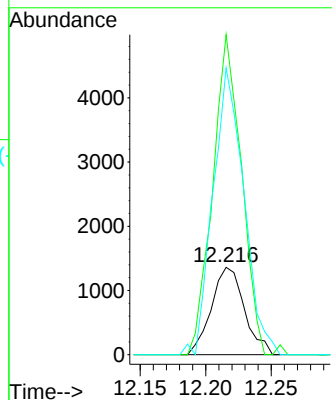
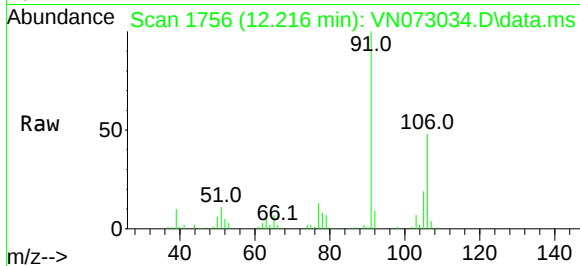




#70
Styrene
Concen: 0.257 ug/l
RT: 12.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

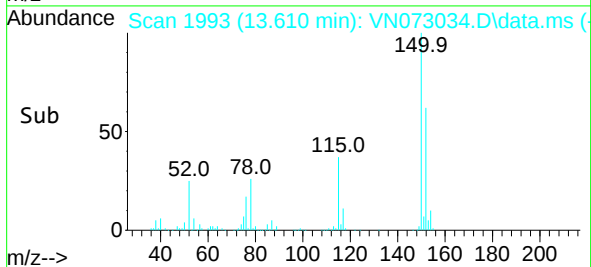
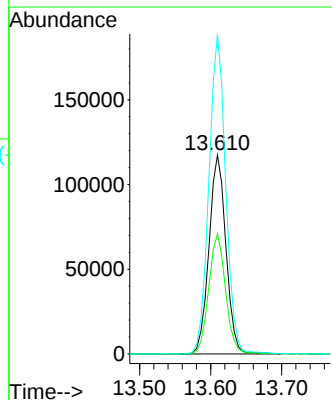
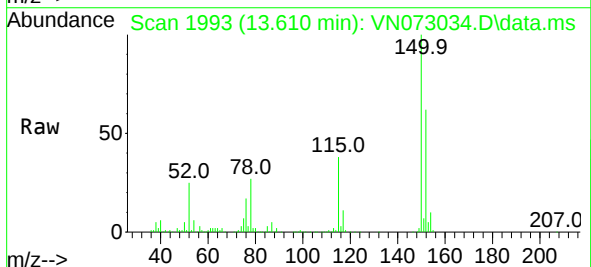
Instrument :
MSVOA_N
ClientSampleId :
MW-24

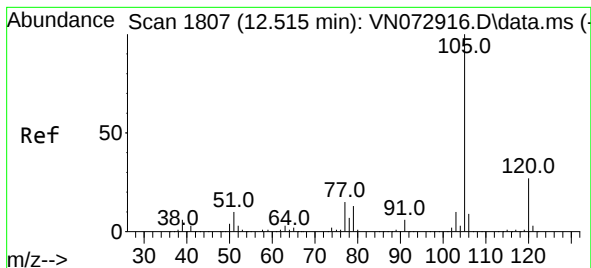
Tgt Ion:104 Resp: 2381
Ion Ratio Lower Upper
104 100
78 319.4 39.5 59.3#
103 306.9 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion:152 Resp: 195055
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.7
150 158.9 0.0 356.2





#73

Isopropylbenzene

Concen: 0.339 ug/l

RT: 12.516 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

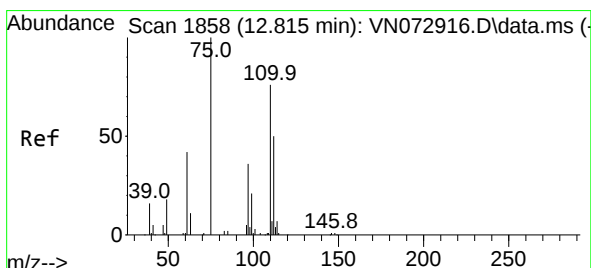
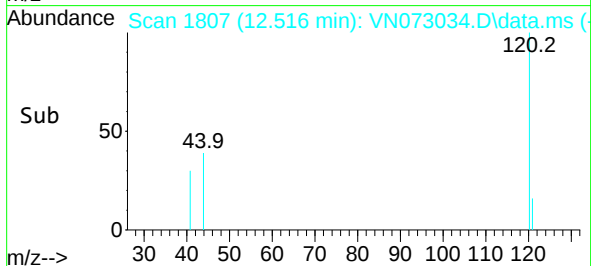
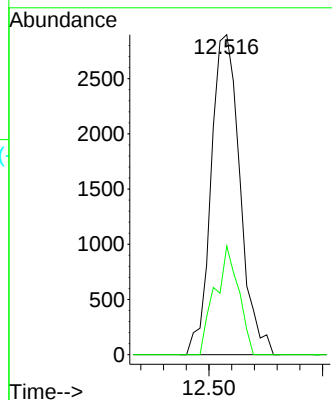
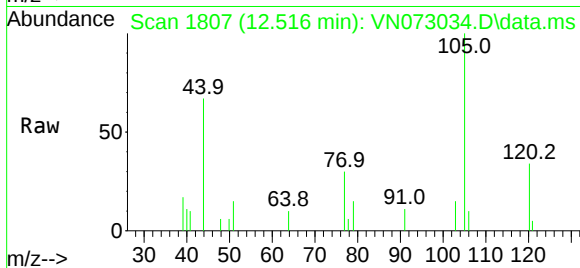
MW-24

Tgt Ion:105 Resp: 5111

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 22.816 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073034.D

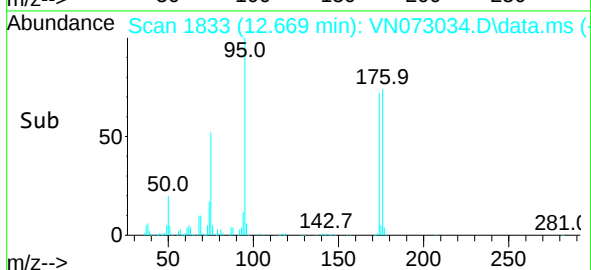
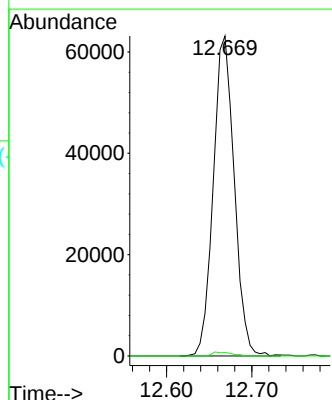
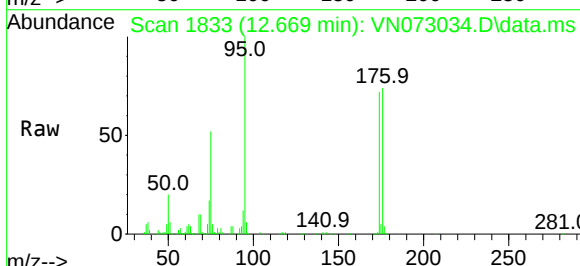
Acq: 22 Jun 2022 18:55

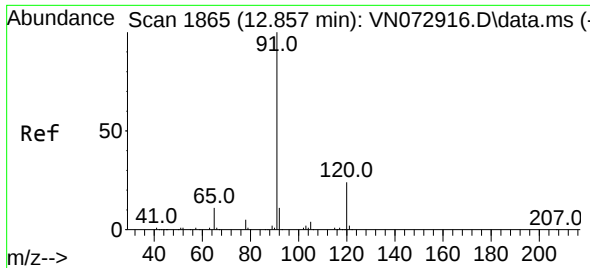
Tgt Ion: 75 Resp: 107898

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

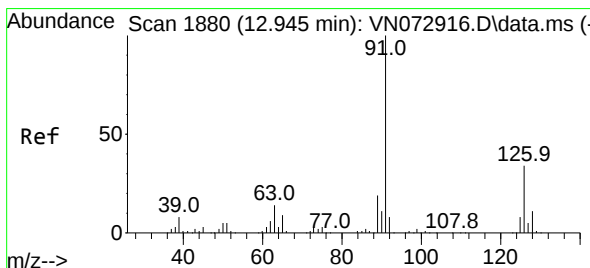
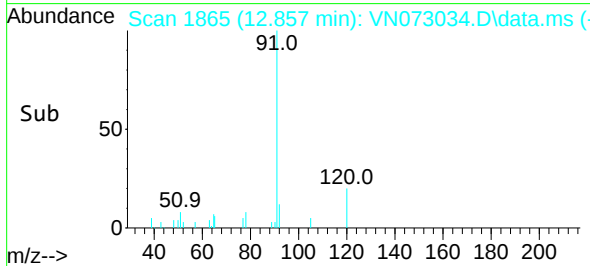
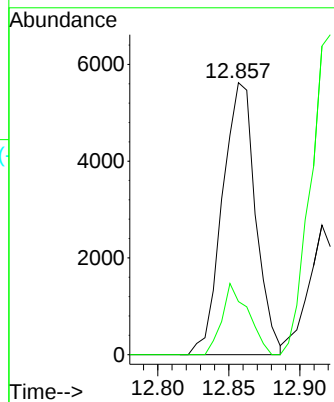
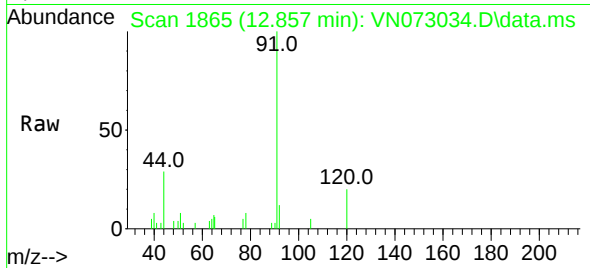




#78
n-propylbenzene
Concen: 0.552 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

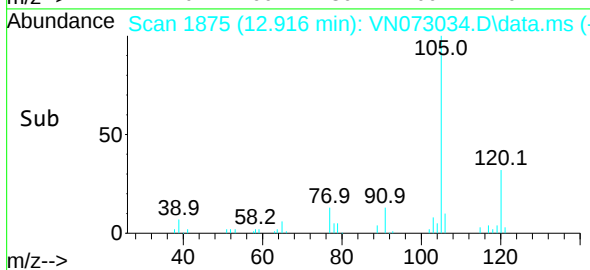
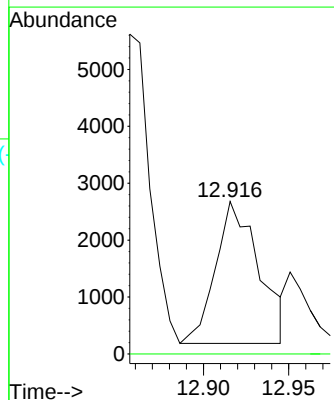
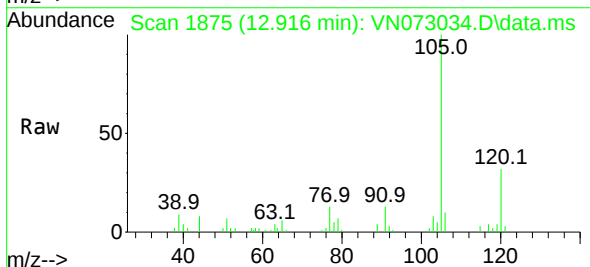
Instrument :
MSVOA_N
ClientSampleId :
MW-24

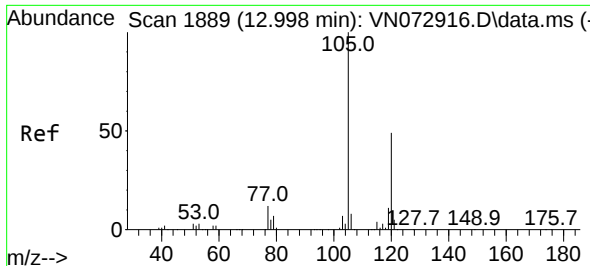
Tgt Ion: 91 Resp: 9168
Ion Ratio Lower Upper
91 100
120 20.5 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.412 ug/l
RT: 12.916 min Scan# 1875
Delta R.T. -0.029 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion: 91 Resp: 4432
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

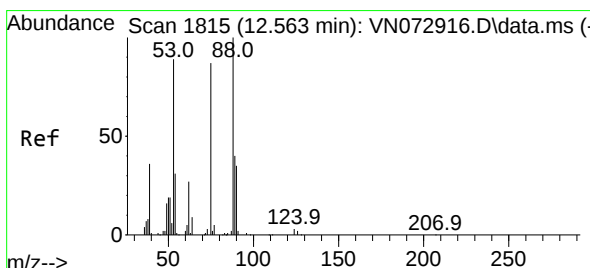
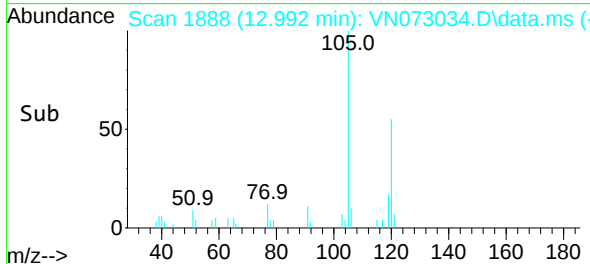
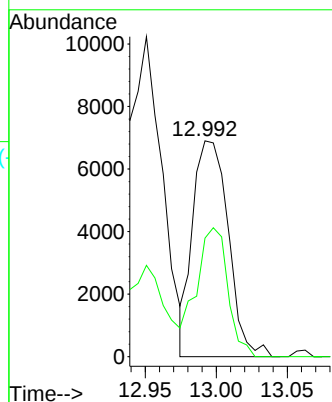
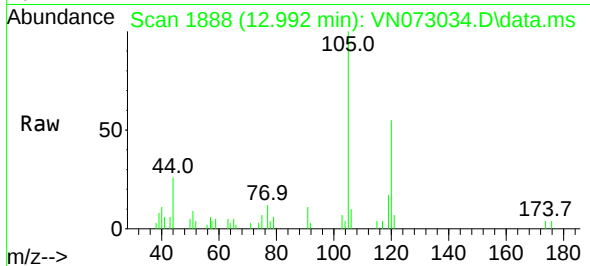




#80
 1,3,5-Trimethylbenzene
 Concen: 0.968 ug/l
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VN073034.D
 Acq: 22 Jun 2022 18:55

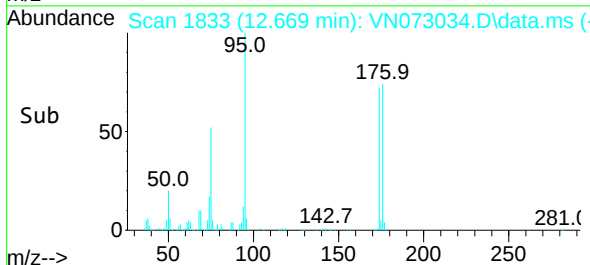
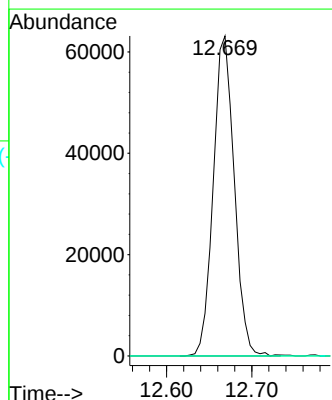
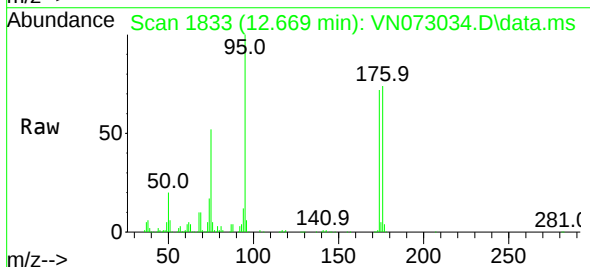
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

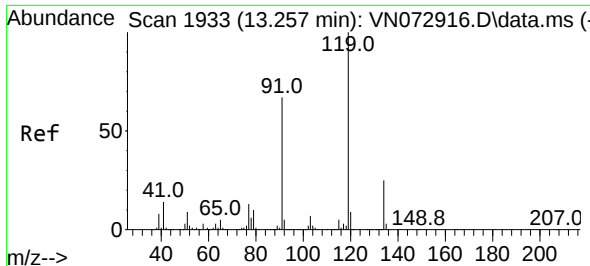
Tgt Ion:105 Resp: 11999
 Ion Ratio Lower Upper
 105 100
 120 52.8 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.617 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN073034.D
 Acq: 22 Jun 2022 18:55

Tgt Ion: 75 Resp: 107898
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

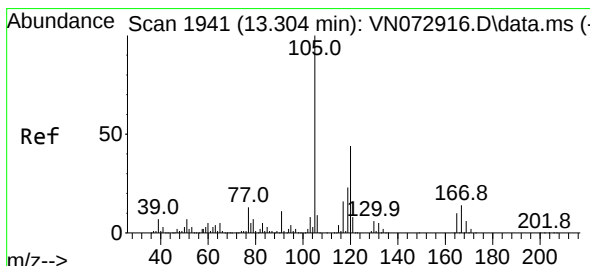
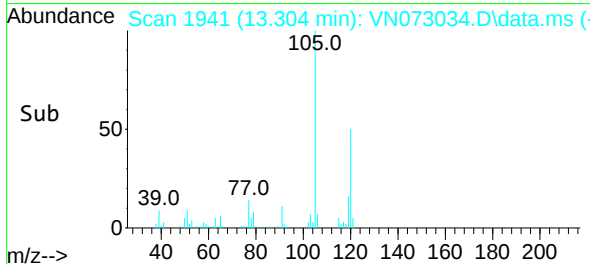
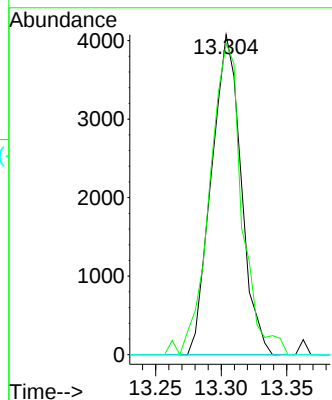
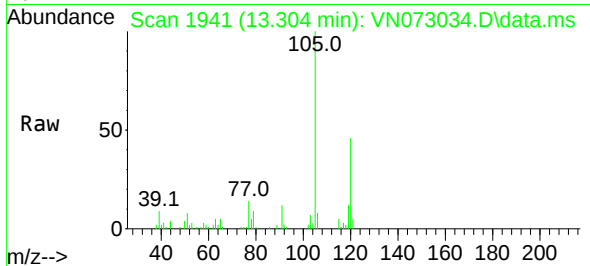




#83
tert-Butylbenzene
Concen: 0.564 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.047 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

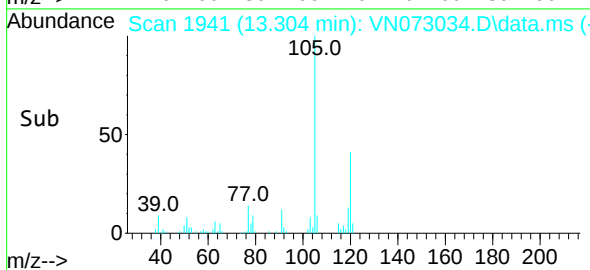
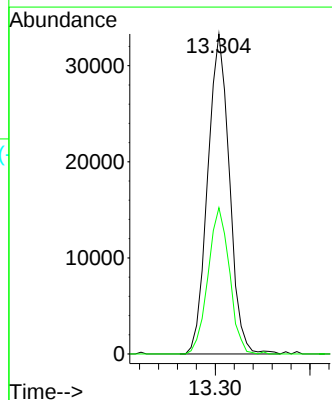
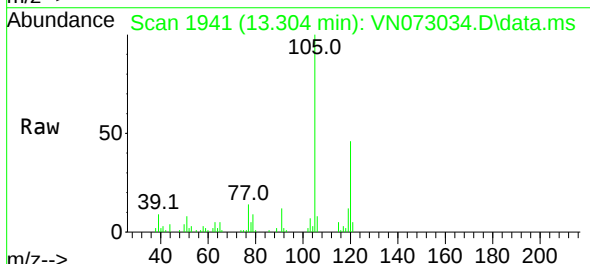
Instrument :
MSVOA_N
ClientSampleId :
MW-24

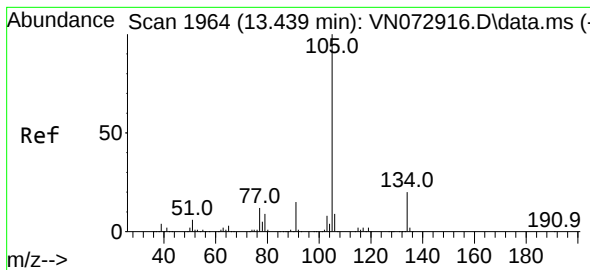
Tgt Ion:119 Resp: 6397
Ion Ratio Lower Upper
119 100
91 106.9 31.6 94.8#
134 0.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 4.287 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073034.D
Acq: 22 Jun 2022 18:55

Tgt Ion:105 Resp: 52931
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 3.495 ug/l

RT: 13.304 min Scan# 1964

Delta R.T. -0.135 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

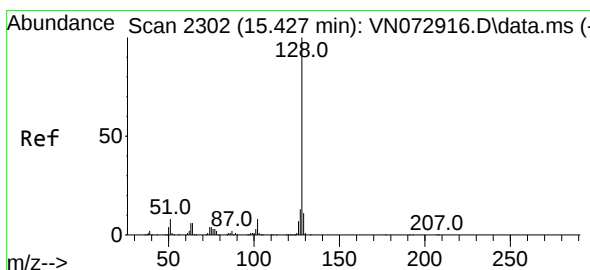
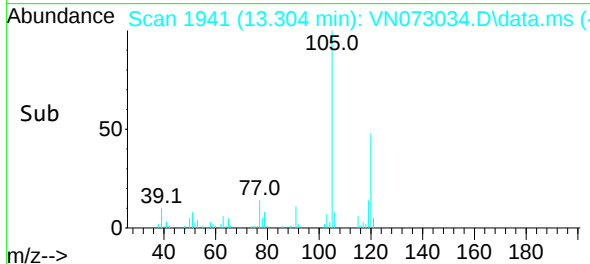
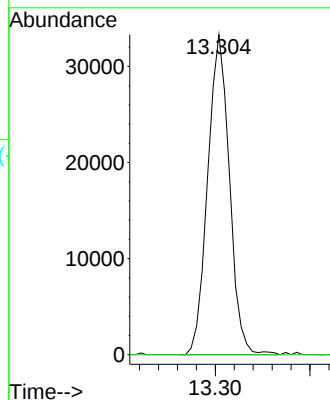
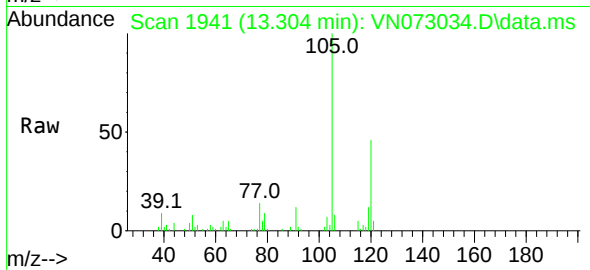
MW-24

Tgt Ion:105 Resp: 52931

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#95

Naphthalene

Concen: 2.243 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073034.D

Acq: 22 Jun 2022 18:55

Tgt Ion:128 Resp: 33795

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 9.7 8.6 13.0

