

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072767.D
 Acq On : 10 Jun 2022 16:10
 Operator : JC\MD
 Sample : N3293-16 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40809

Quant Time: Jun 11 01:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

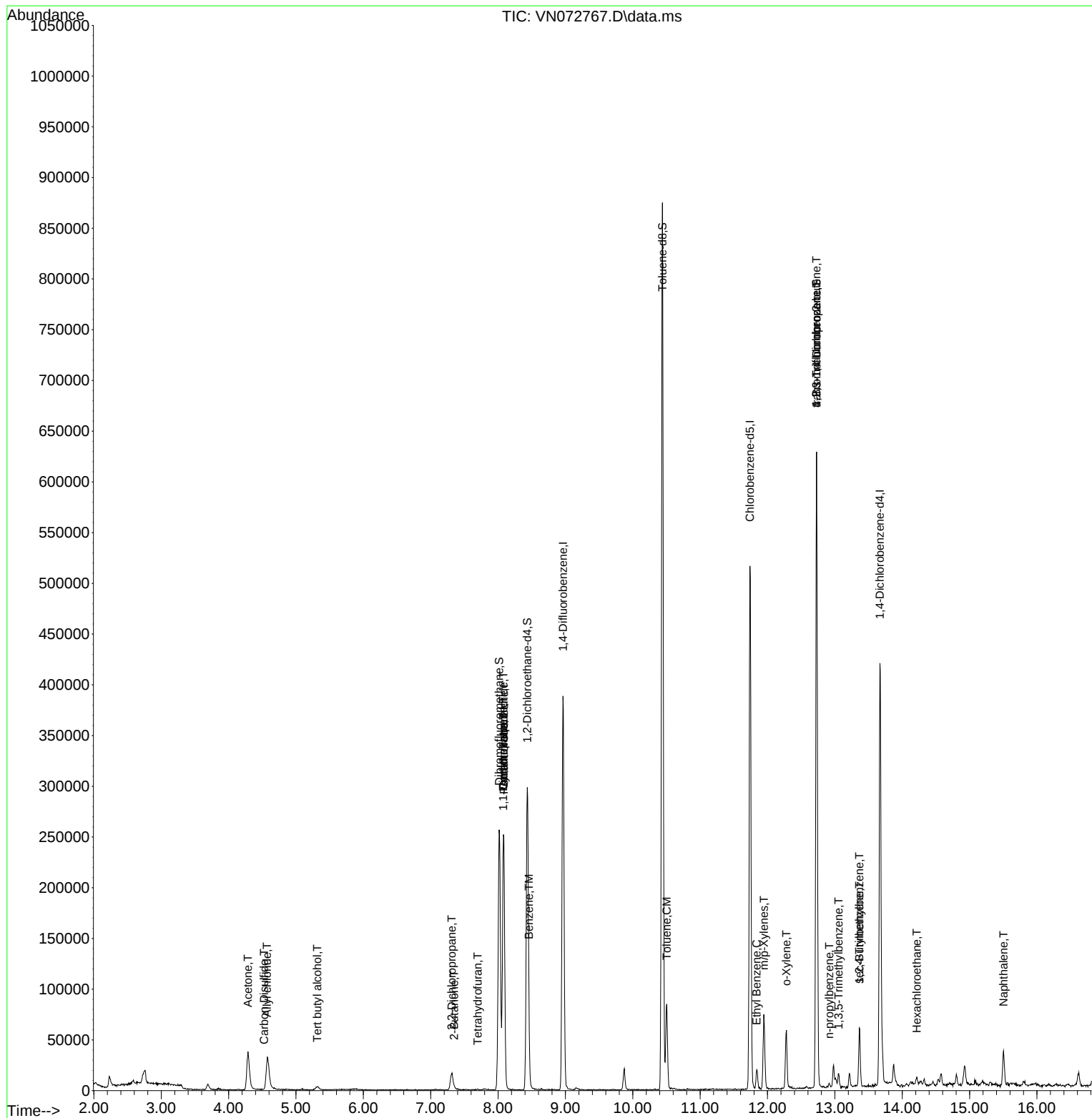
Internal Standards						
1) Pentafluorobenzene	8.086	168	167100	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	317001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	274703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	101354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	253141	56.444	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	112.880%	
35) Dibromofluoromethane	8.016	113	183914	58.633	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	117.260%	
50) Toluene-d8	10.439	98	573169	45.800	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	91.600%	
62) 4-Bromofluorobenzene	12.727	95	209201	48.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	97.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	521	Below Cal	#	43
5) Bromomethane	2.857	94	643	Below Cal	#	2
6) Chloroethane	2.969	64	200	Below Cal		91
11) Tert butyl alcohol	5.316	59	3647	3.409	ug/l #	72
14) Allyl chloride	4.569	41	4970	0.893	ug/l #	24
16) Acetone	4.287	43	70151	32.643	ug/l	88
17) Carbon Disulfide	4.528	76	157	0.310	ug/l #	75
20) Methylene Chloride	5.093	84	99	Below Cal	#	30
25) 2-Butanone	7.345	43	3494	1.011	ug/l #	75
26) 2,2-Dichloropropane	7.310	77	1081	0.204	ug/l #	53
29) Tetrahydrofuran	7.698	42	642	0.301	ug/l #	35
31) Cyclohexane	8.081	56	5284	0.408	ug/l #	47
36) 1,1-Dichloropropene	8.075	75	17977	4.129	ug/l #	49
38) Carbon Tetrachloride	8.081	117	19731	4.241	ug/l #	15
40) Benzene	8.457	78	6912	0.523	ug/l	98
52) Toluene	10.504	92	33065	4.008	ug/l	98
67) Ethyl Benzene	11.839	91	14436	1.049	ug/l #	87
68) m/p-Xylenes	11.945	106	19386	3.963	ug/l	77
69) o-Xylene	12.280	106	14051	2.858	ug/l	88
76) 1,2,3-Trichloropropane	12.727	75	124120	37.950	ug/l #	1
78) n-propylbenzene	12.916	91	3436	0.289	ug/l	88
80) 1,3,5-Trimethylbenzene	13.057	105	6012	0.698	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	124120	99.249	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	30859	3.744	ug/l	93
85) sec-Butylbenzene	13.363	105	30859	3.023	ug/l #	56
90) Hexachloroethane	14.216	117	434	0.250	ug/l #	9
95) Naphthalene	15.504	128	30492	4.579	ug/l	99

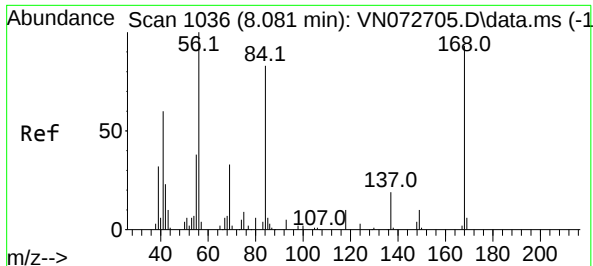
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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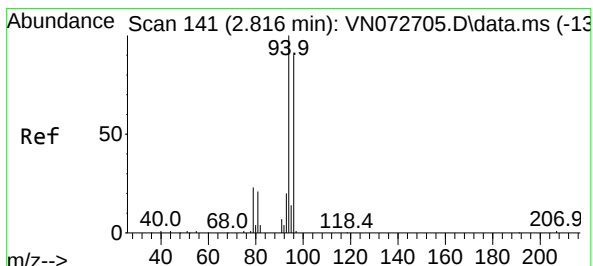
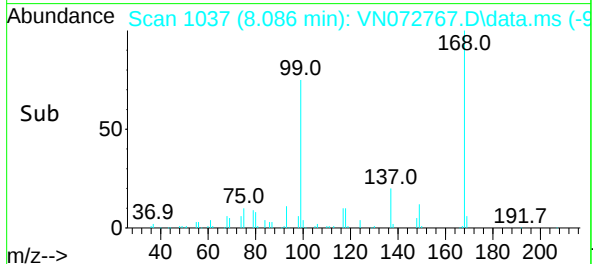
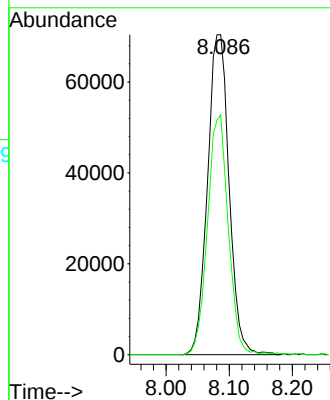
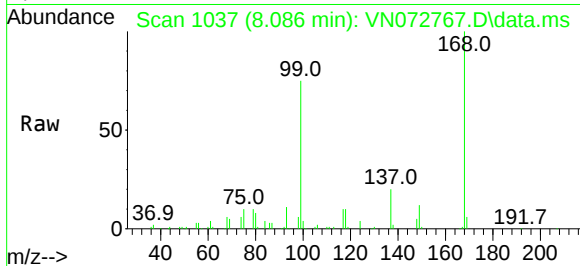




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

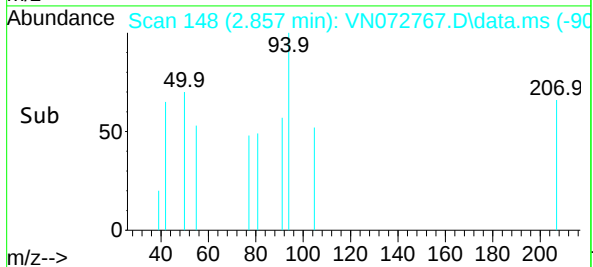
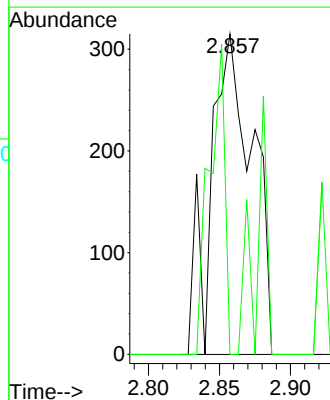
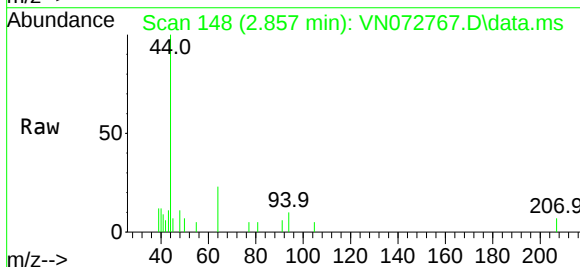
Instrument :
MSVOA_N
ClientSampleId :
40809

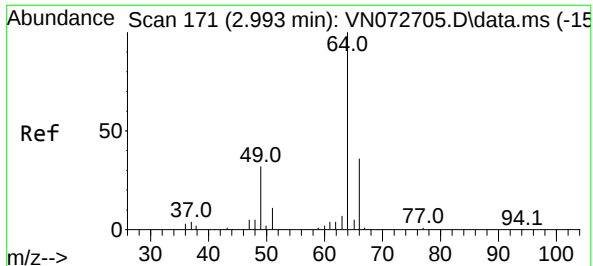
Tgt Ion:168 Resp: 167100
Ion Ratio Lower Upper
168 100
99 75.0 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.041 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

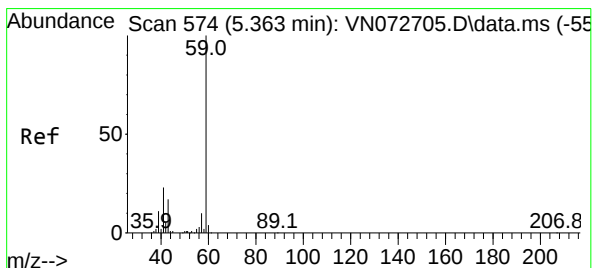
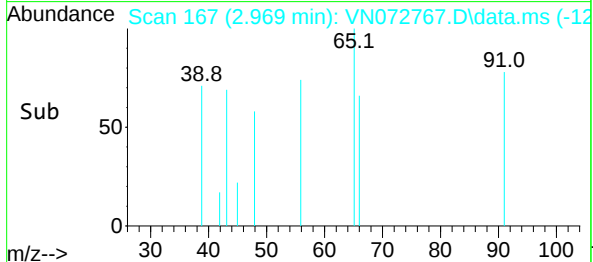
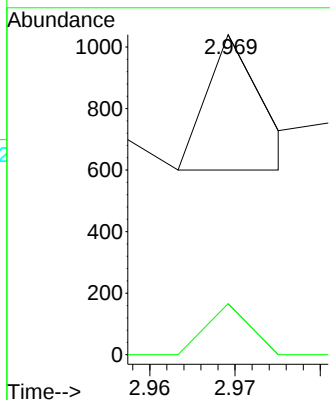
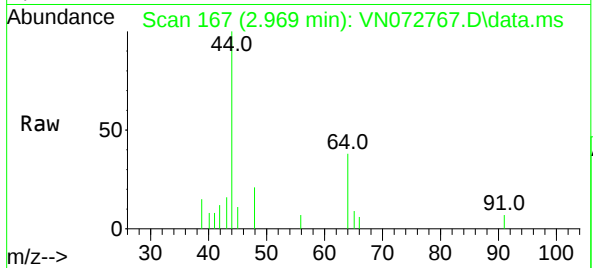




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

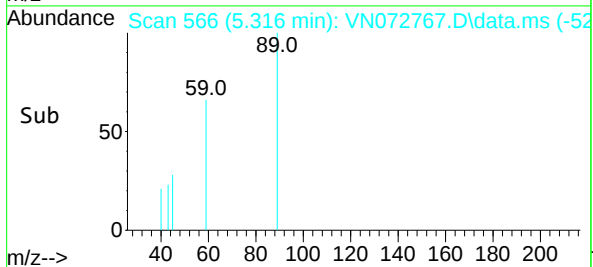
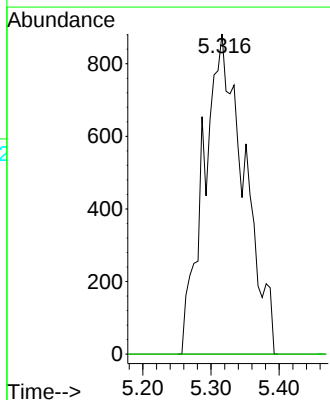
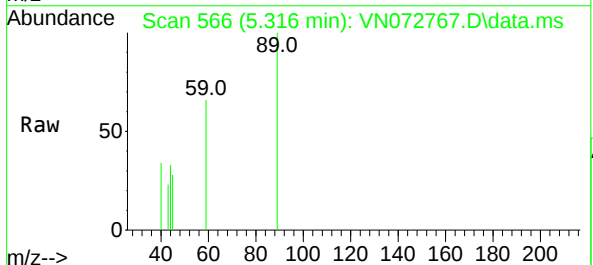
Instrument :
MSVOA_N
ClientSampleId :
40809

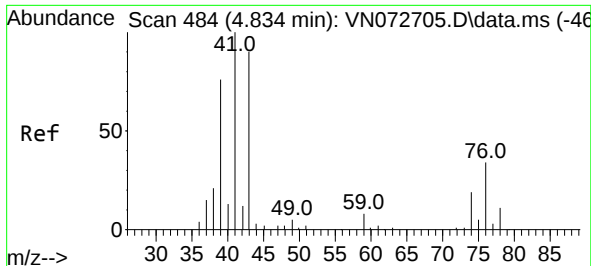
Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 37.7 26.2 39.4



#11
Tert butyl alcohol
Concen: 3.409 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.047 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 59 Resp: 3647
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

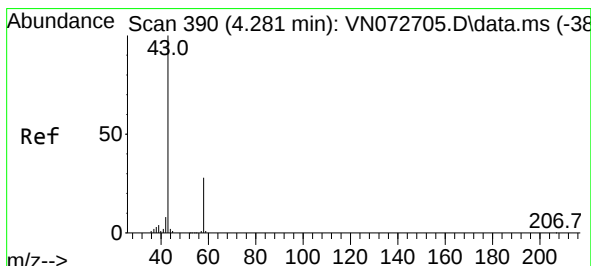
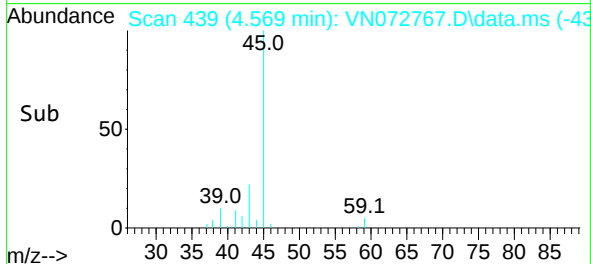
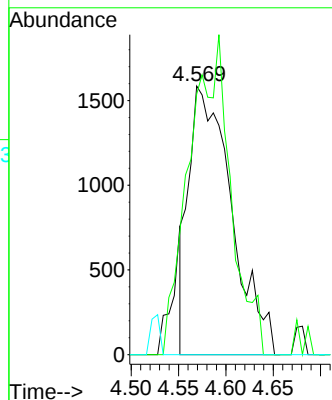
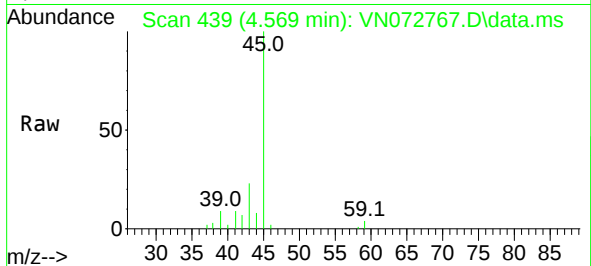




#14
 Allyl chloride
 Concen: 0.893 ug/l
 RT: 4.569 min Scan# 41
 Delta R.T. -0.265 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

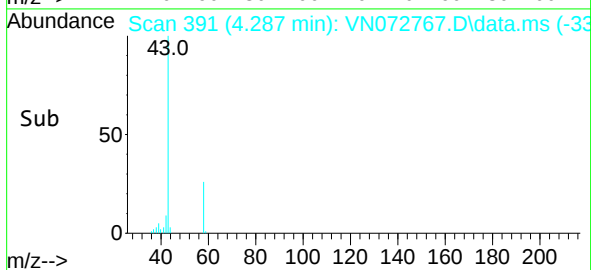
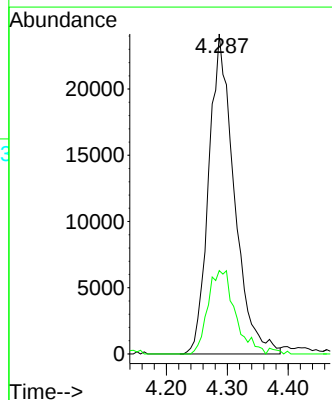
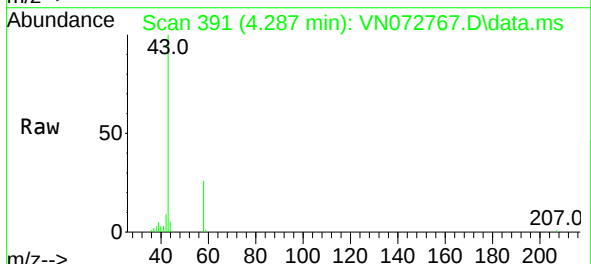
Instrument :
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 ClientSampleId :
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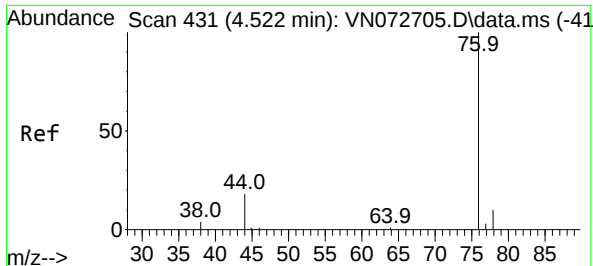
Tgt Ion: 41 Resp: 4970
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 32.643 ug/l
 RT: 4.287 min Scan# 391
 Delta R.T. 0.006 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

Tgt Ion: 43 Resp: 70151
 Ion Ratio Lower Upper
 43 100
 58 26.0 26.0 39.0





#17

Carbon Disulfide

Concen: 0.310 ug/l

RT: 4.528 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072767.D

Acq: 10 Jun 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

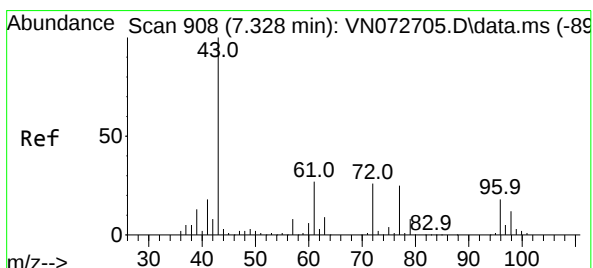
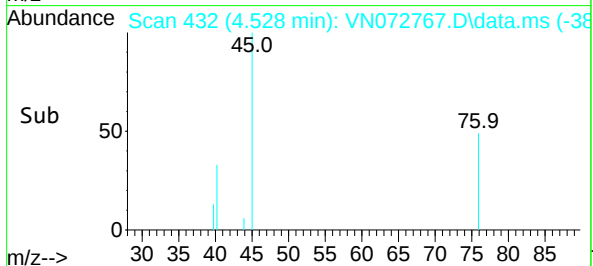
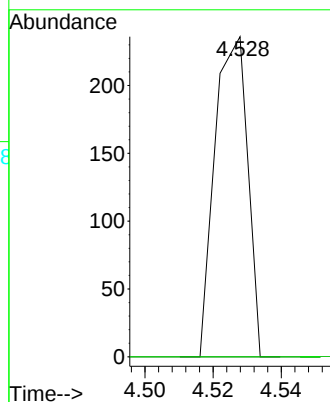
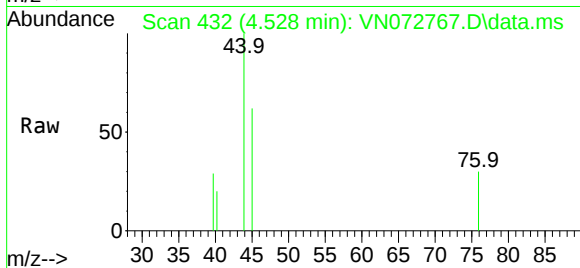
40809

Tgt Ion: 76 Resp: 157

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#25

2-Butanone

Concen: 1.011 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072767.D

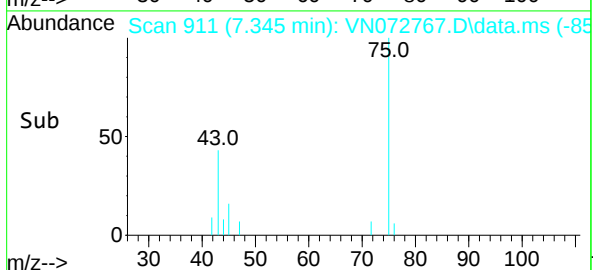
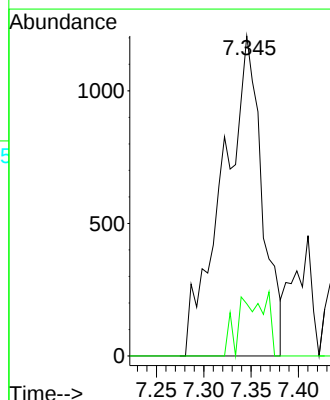
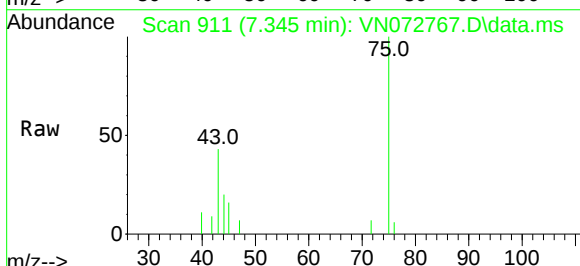
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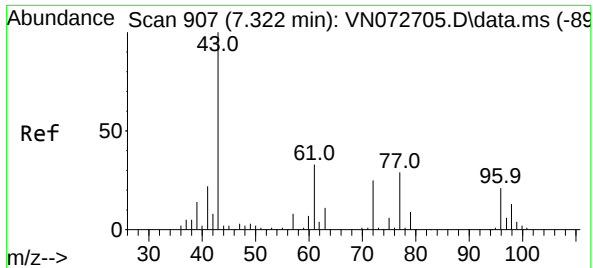
Tgt Ion: 43 Resp: 3494

Ion Ratio Lower Upper

43 100

72 16.3 23.7 35.5#

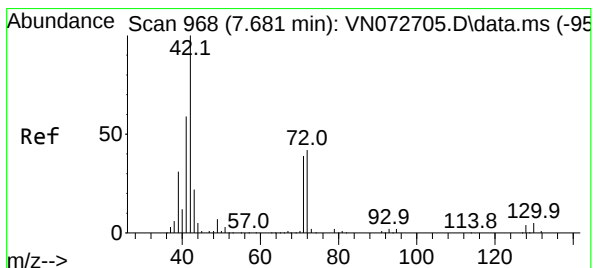
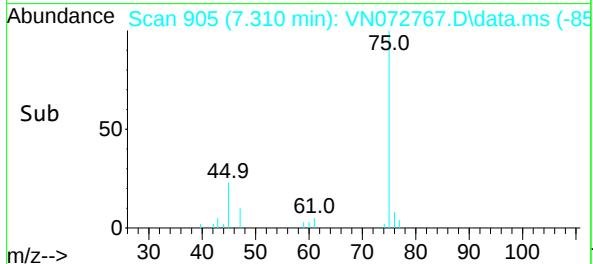
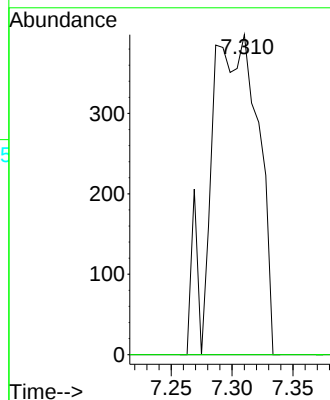
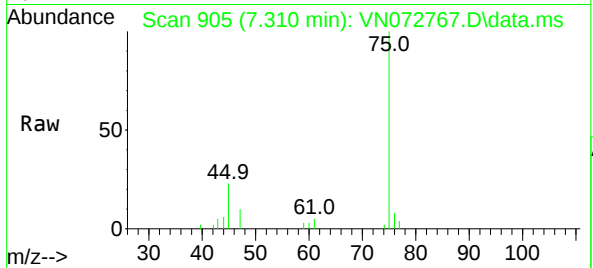




#26
2,2-Dichloropropane
Concen: 0.204 ug/l
RT: 7.310 min Scan# 907
Delta R.T. -0.012 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

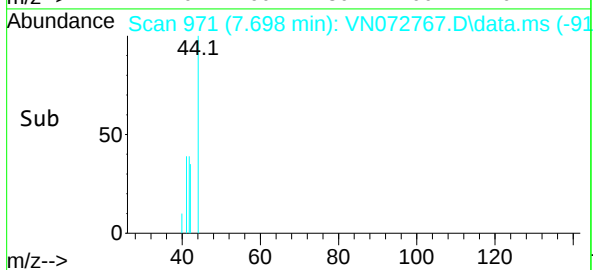
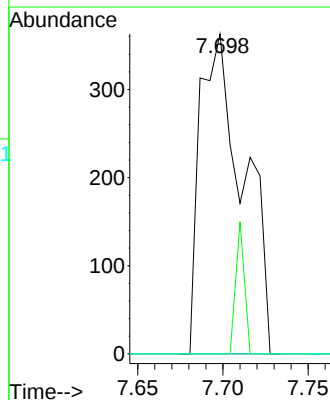
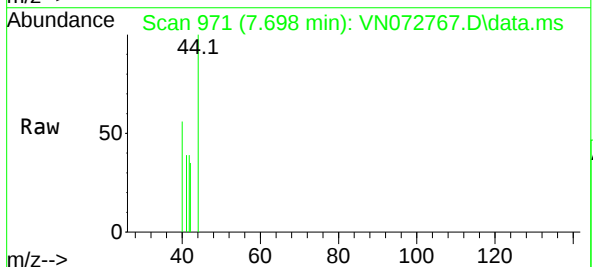
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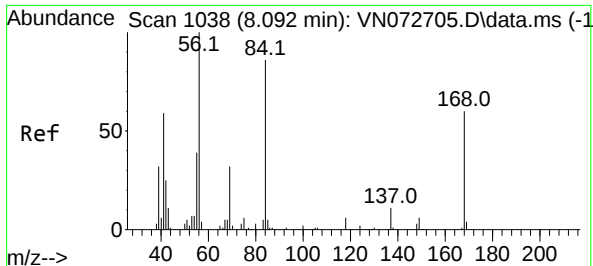
Tgt Ion: 77 Resp: 1081
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.301 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.017 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 42 Resp: 642
Ion Ratio Lower Upper
42 100
72 8.3 39.7 59.5#
71 0.0 36.6 55.0#

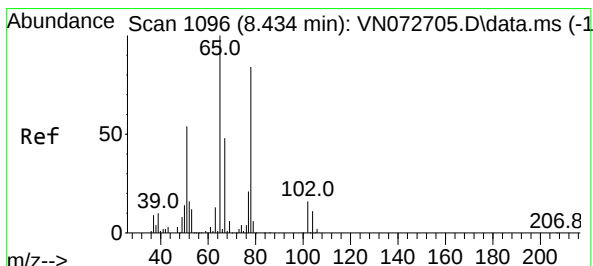
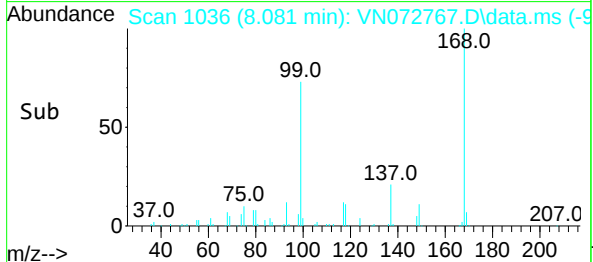
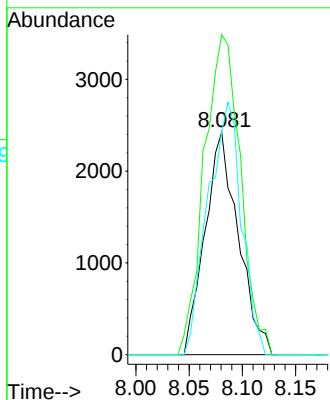
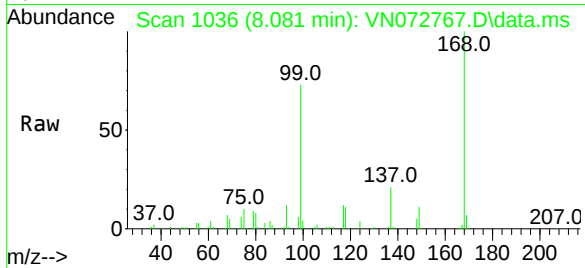




#31
Cyclohexane
Concen: 0.408 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

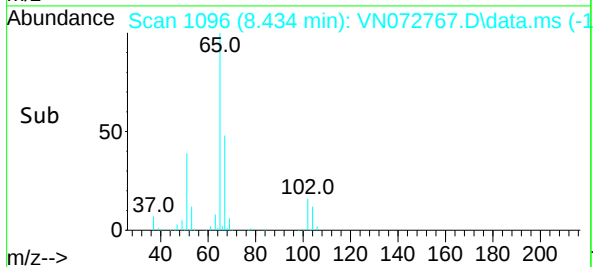
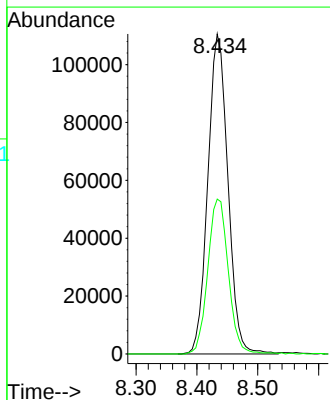
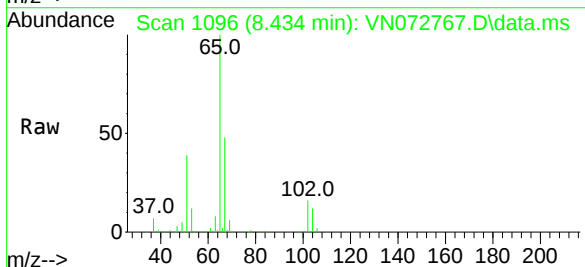
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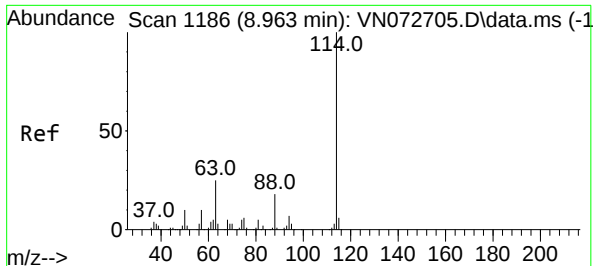
Tgt Ion: 56 Resp: 5284
Ion Ratio Lower Upper
56 100
69 143.7 27.8 41.8#
84 100.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 56.444 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 65 Resp: 253141
Ion Ratio Lower Upper
65 100
67 49.7 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: VN072767.D

Acq: 10 Jun 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

40809

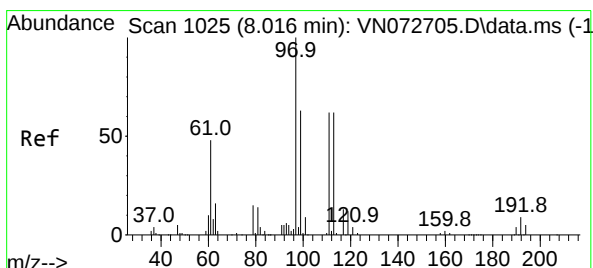
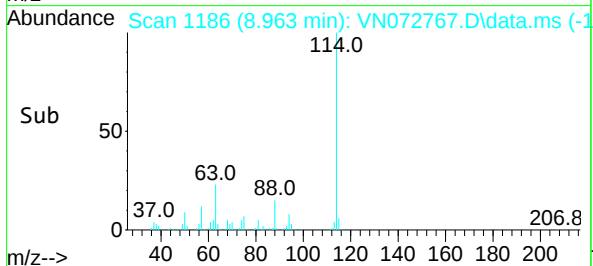
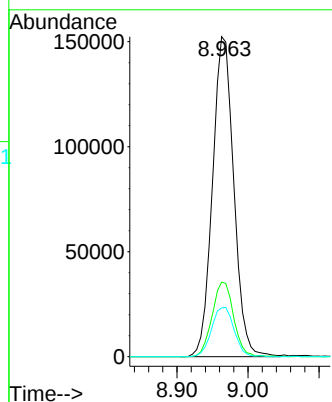
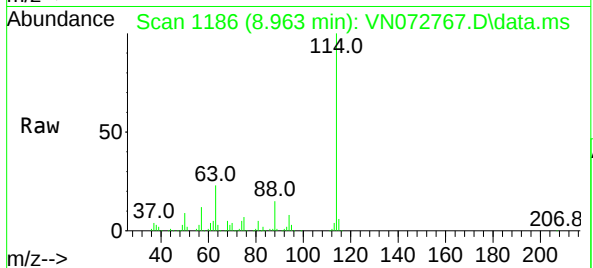
Tgt Ion:114 Resp: 317001

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 58.633 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072767.D

Acq: 10 Jun 2022 16:10

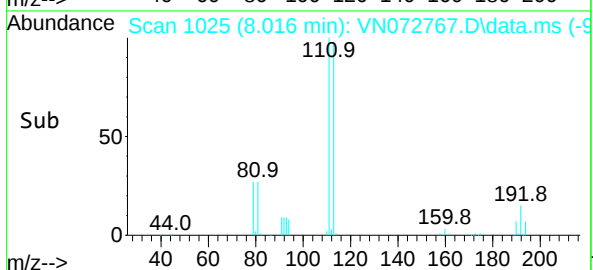
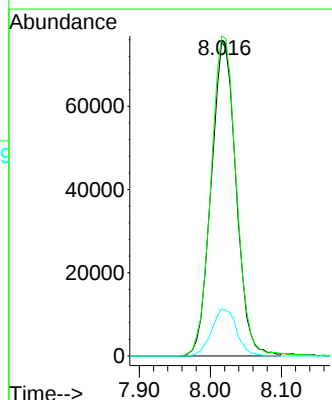
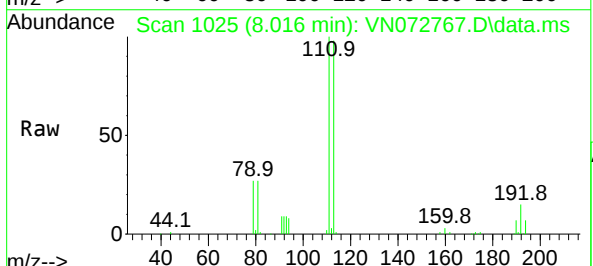
Tgt Ion:113 Resp: 183914

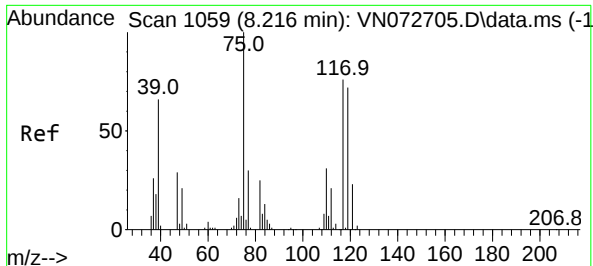
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 15.1 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.129 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072767.D

Acq: 10 Jun 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

40809

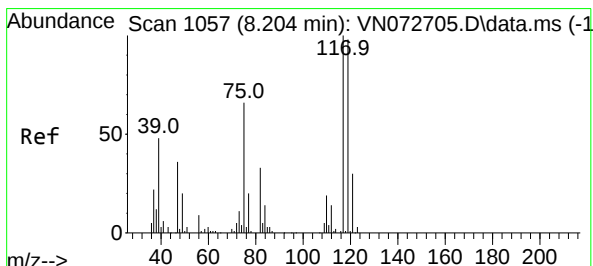
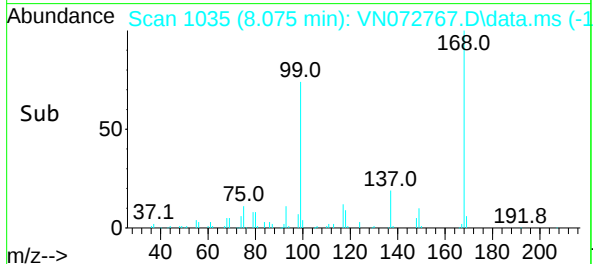
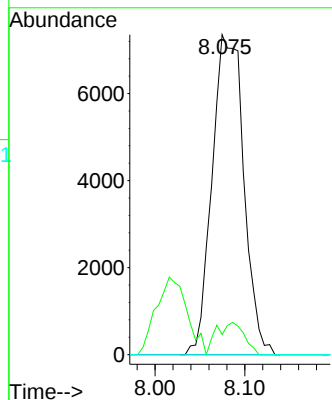
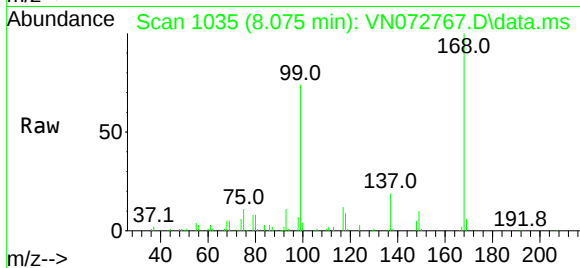
Tgt Ion: 75 Resp: 17977

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.241 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072767.D

Acq: 10 Jun 2022 16:10

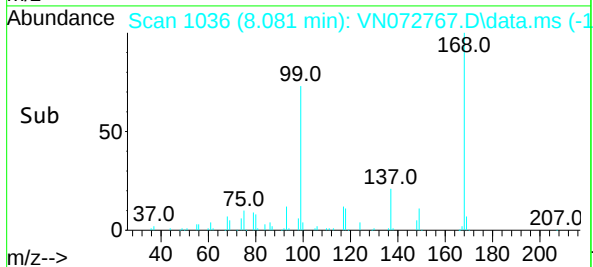
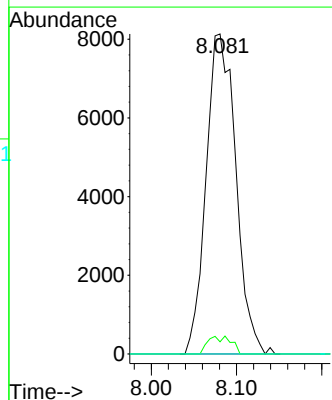
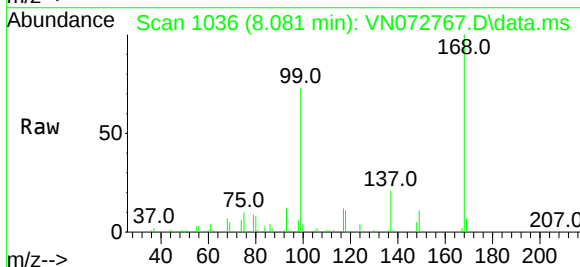
Tgt Ion: 117 Resp: 19731

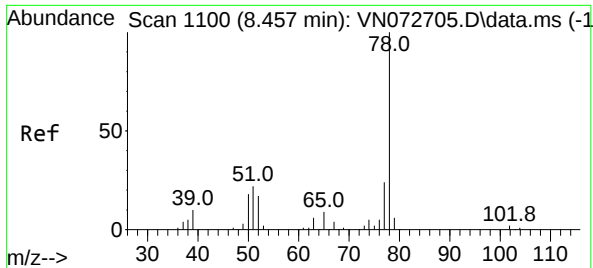
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

121 0.0 24.6 37.0#

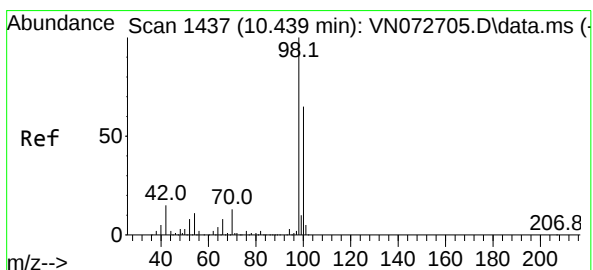
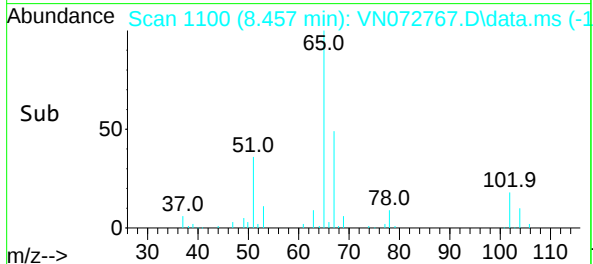
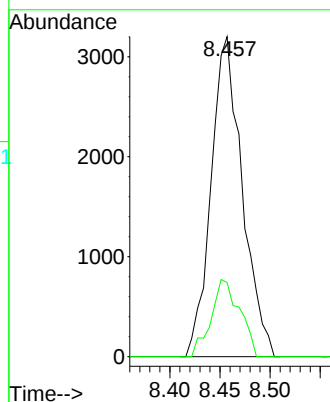
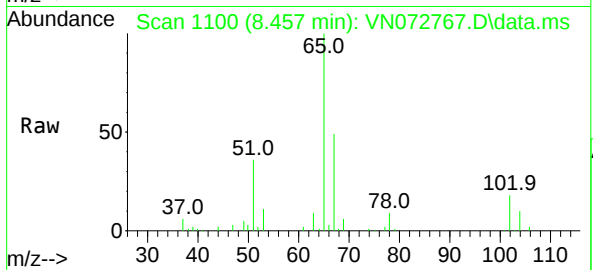




#40
Benzene
Concen: 0.523 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

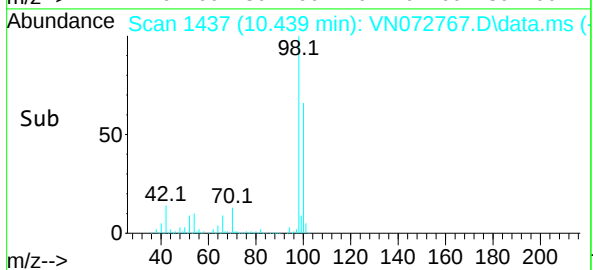
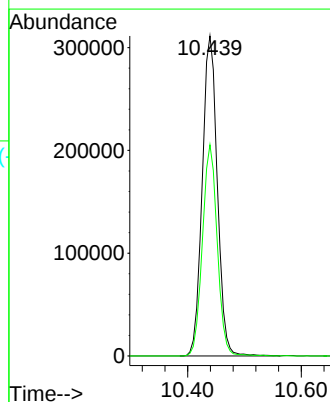
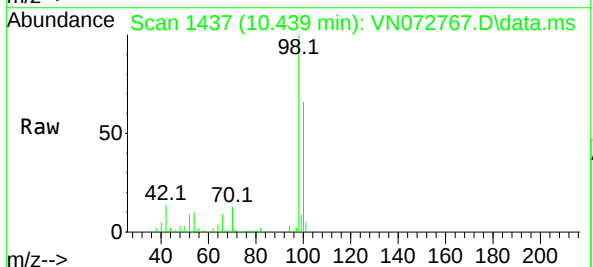
Instrument :
MSVOA_N
ClientSampleId :
40809

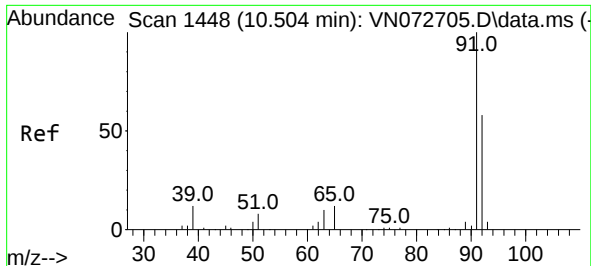
Tgt Ion: 78 Resp: 6912
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0



#50
Toluene-d8
Concen: 45.800 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 98 Resp: 573169
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

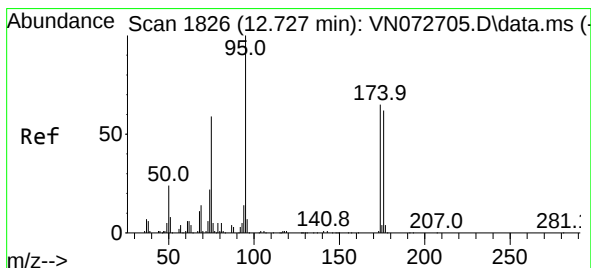
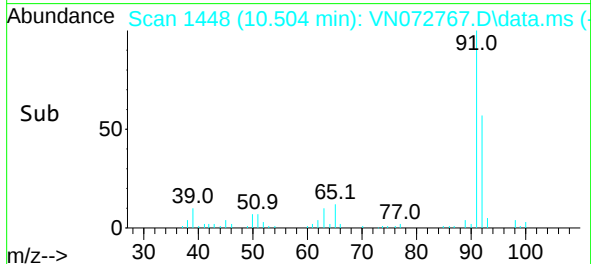
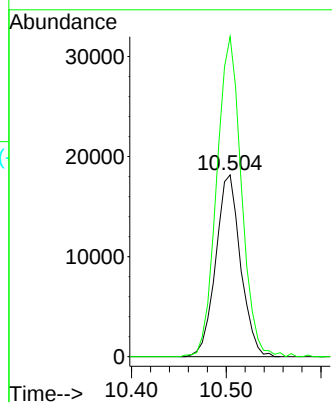
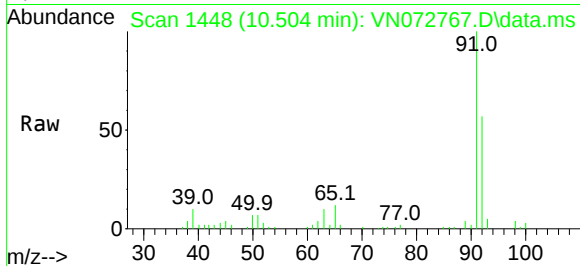




#52
Toluene
Concen: 4.008 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

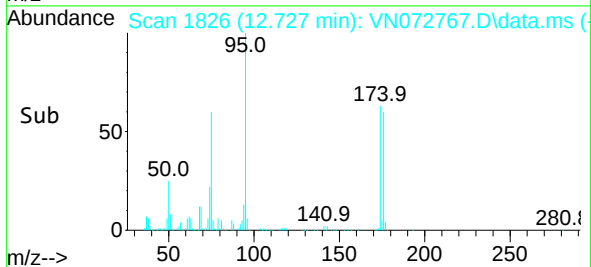
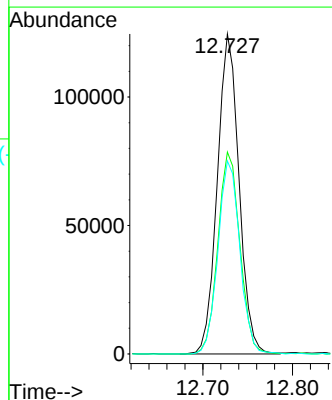
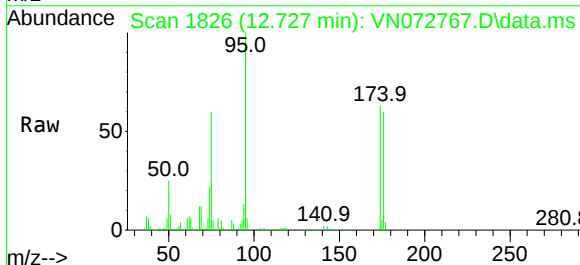
Instrument :
MSVOA_N
ClientSampleId :
40809

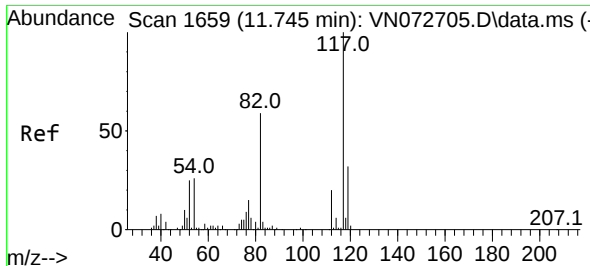
Tgt Ion: 92 Resp: 33065
Ion Ratio Lower Upper
92 100
91 175.7 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 48.715 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

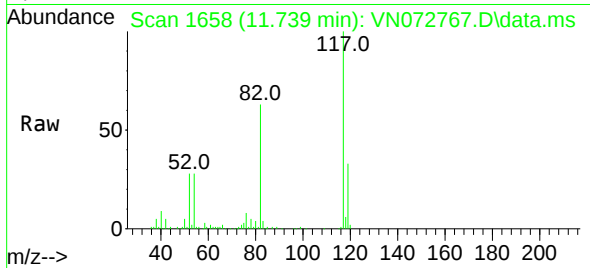
Tgt Ion: 95 Resp: 209201
Ion Ratio Lower Upper
95 100
174 63.9 0.0 167.6
176 60.8 0.0 163.4



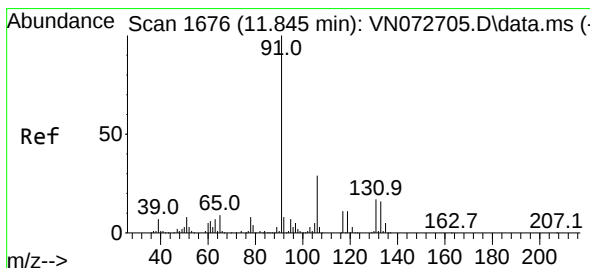
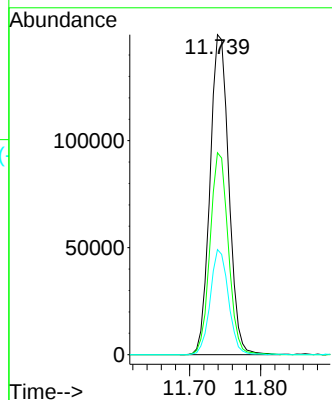
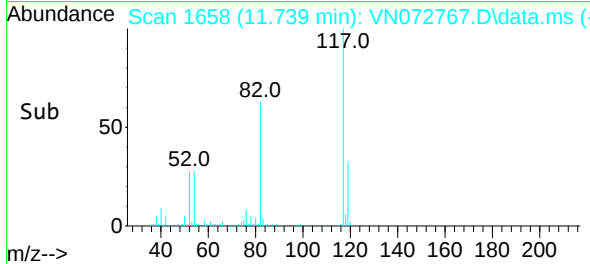


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

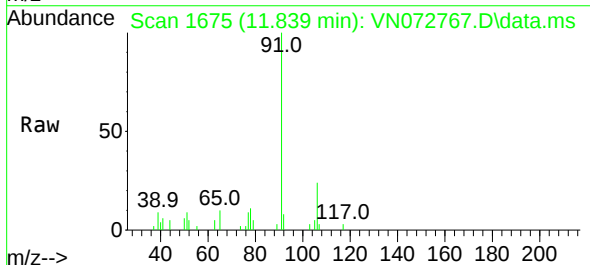
Instrument :
MSVOA_N
ClientSampleId :
40809



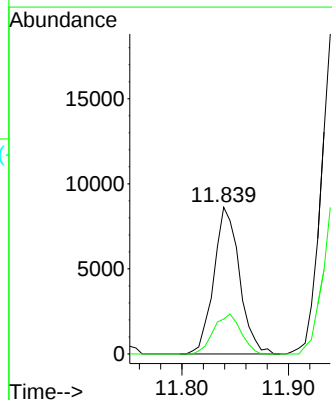
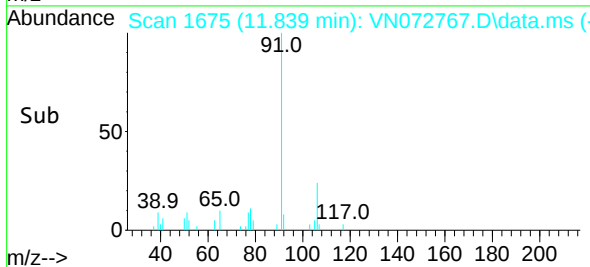
Tgt Ion:117 Resp: 274703
Ion Ratio Lower Upper
117 100
82 63.1 44.2 66.2
119 32.8 25.4 38.0

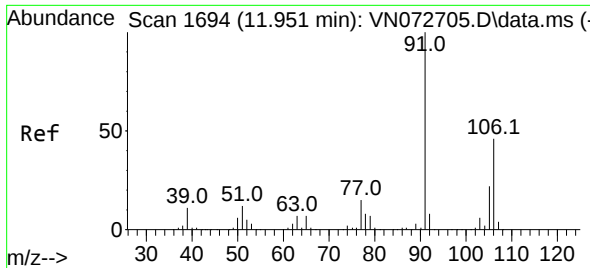


#67
Ethyl Benzene
Concen: 1.049 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10



Tgt Ion: 91 Resp: 14436
Ion Ratio Lower Upper
91 100
106 23.8 24.9 37.3#

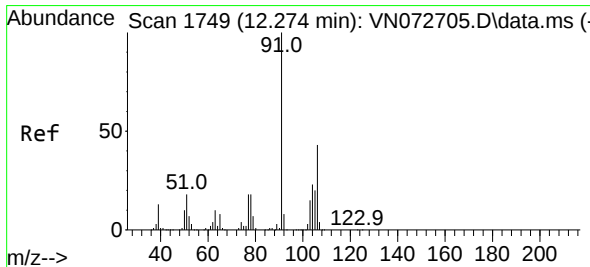
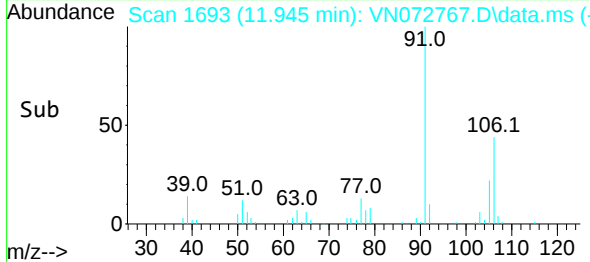
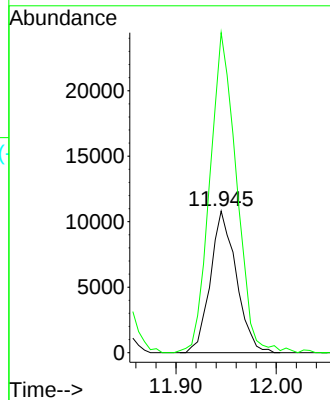
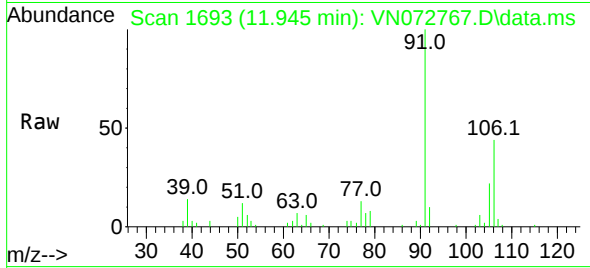




#68
m/p-Xylenes
Concen: 3.963 ug/l
RT: 11.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

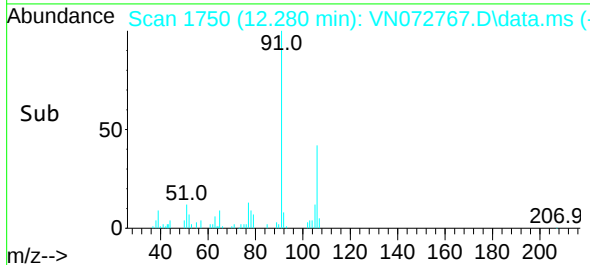
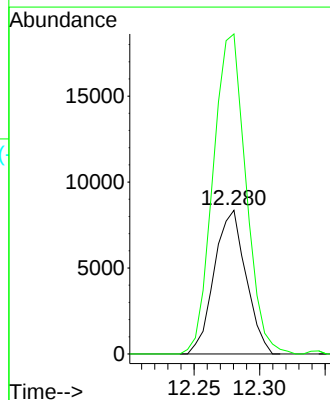
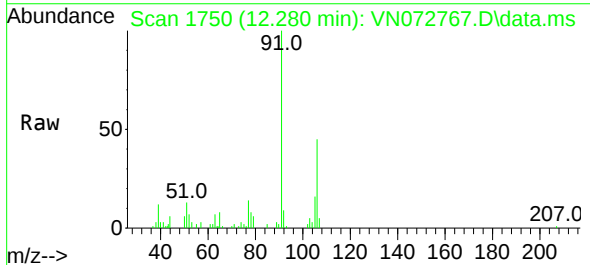
Instrument :
MSVOA_N
ClientSampleId :
40809

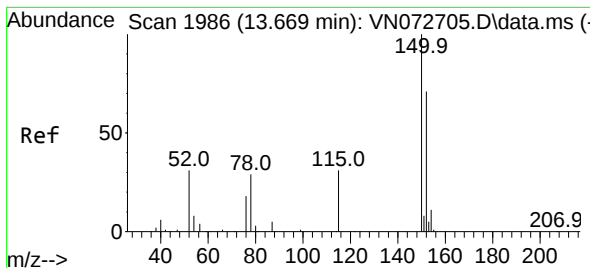
Tgt Ion:106 Resp: 19386
Ion Ratio Lower Upper
106 100
91 232.9 158.9 238.3



#69
o-Xylene
Concen: 2.858 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion:106 Resp: 14051
Ion Ratio Lower Upper
106 100
91 230.4 106.0 318.0

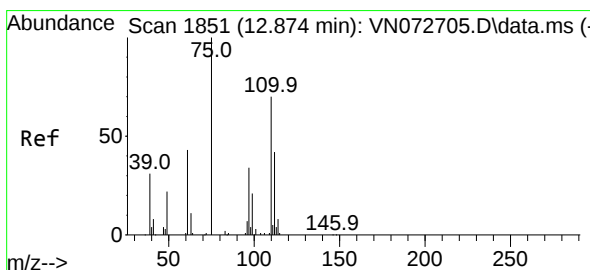
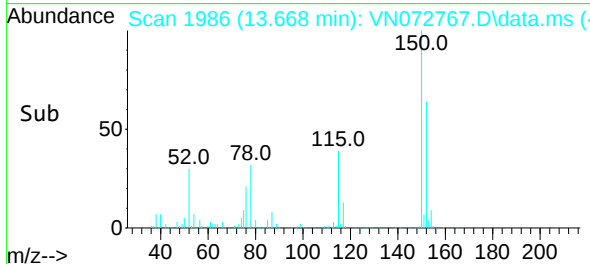
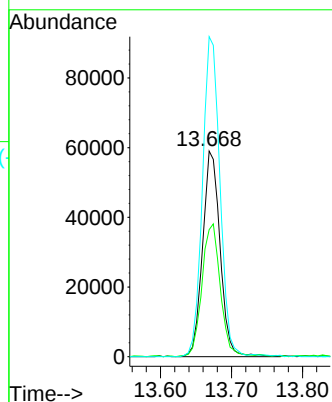
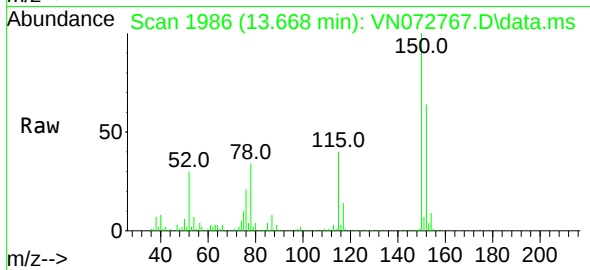




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

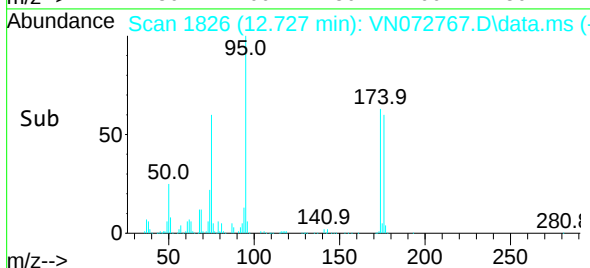
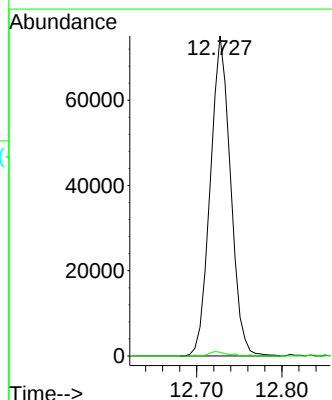
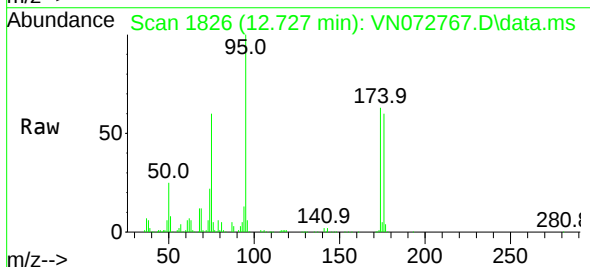
Instrument :
 MSVOA_N
 ClientSampleId :
 40809

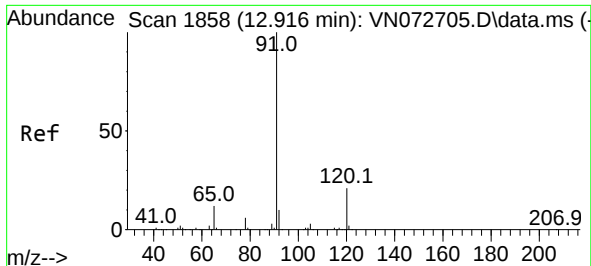
Tgt Ion:152 Resp: 101354
 Ion Ratio Lower Upper
 152 100
 115 67.8 28.9 86.7
 150 154.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 37.950 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

Tgt Ion: 75 Resp: 124120
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

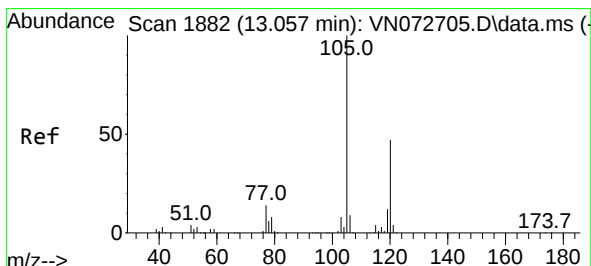
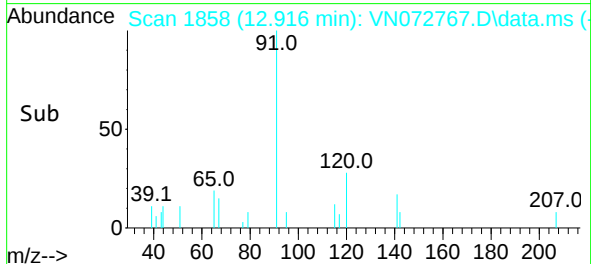
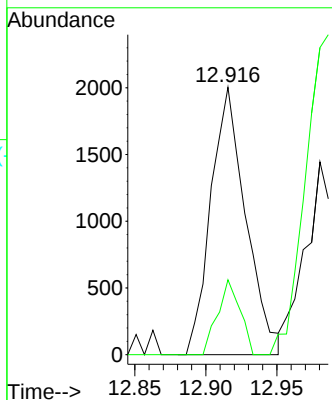
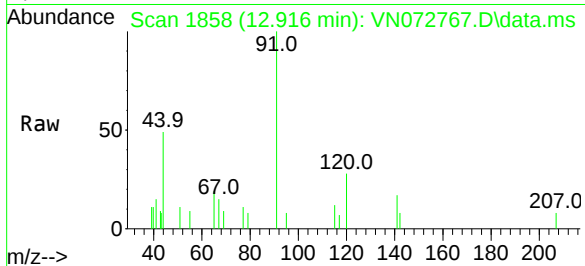




#78
n-propylbenzene
Concen: 0.289 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

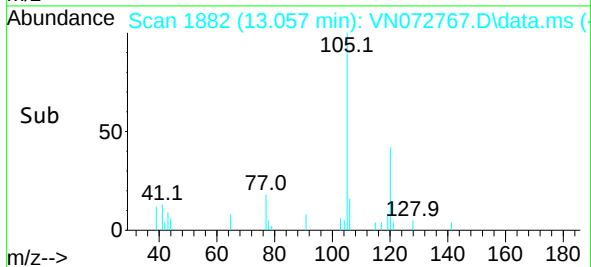
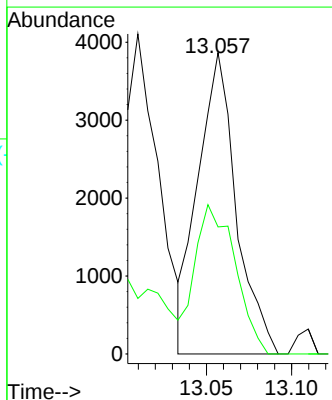
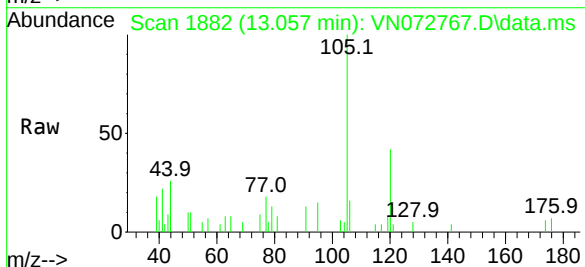
Instrument :
MSVOA_N
ClientSampleId :
40809

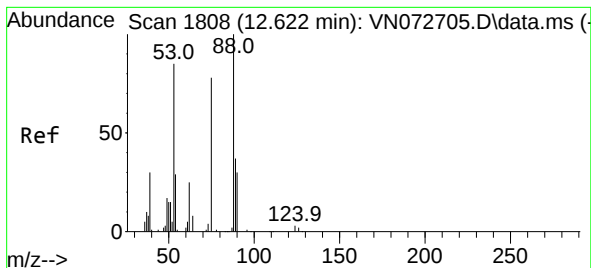
Tgt Ion: 91 Resp: 3436
Ion Ratio Lower Upper
91 100
120 18.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.698 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 105 Resp: 6012
Ion Ratio Lower Upper
105 100
120 52.5 24.9 74.7

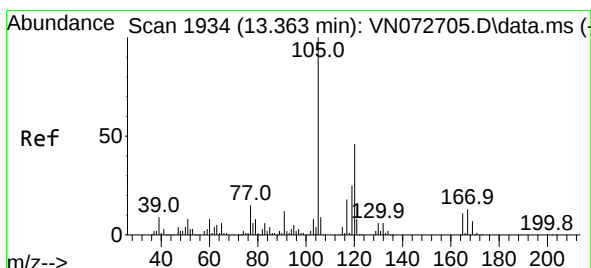
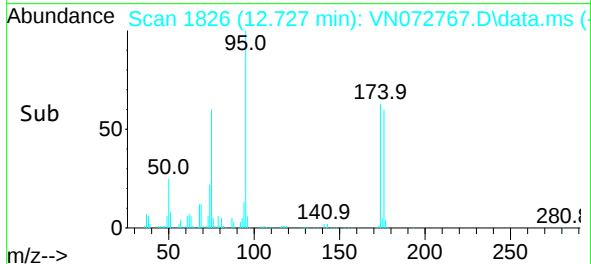
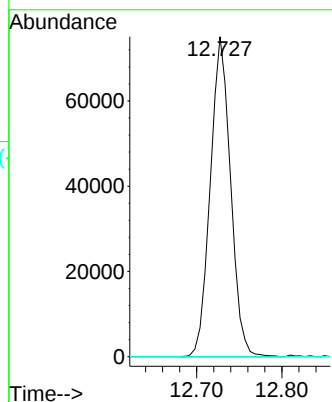
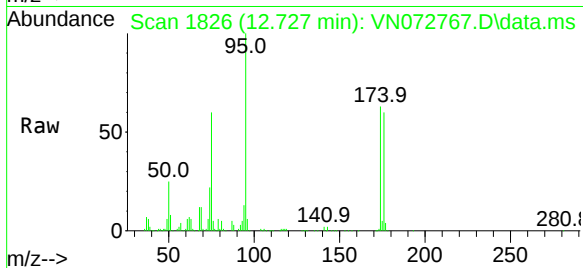




#81
trans-1,4-Dichloro-2-butene
Concen: 99.249 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

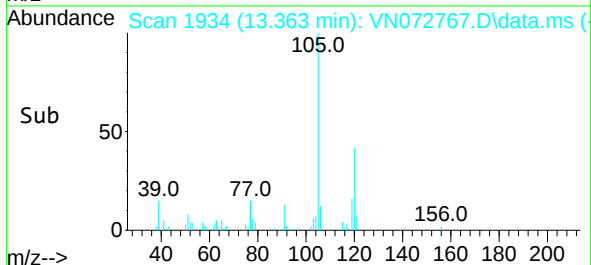
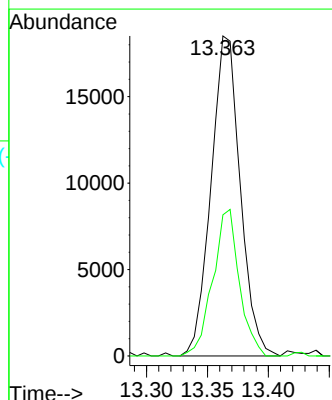
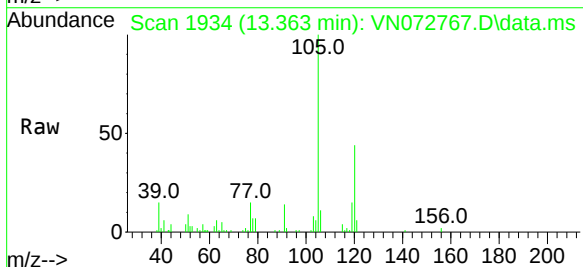
Instrument :
MSVOA_N
ClientSampleId :
40809

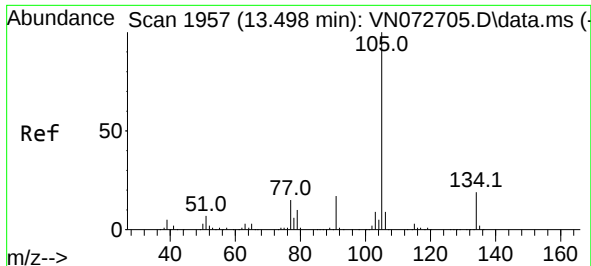
Tgt Ion: 75 Resp: 124120
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.744 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072767.D
Acq: 10 Jun 2022 16:10

Tgt Ion: 105 Resp: 30859
Ion Ratio Lower Upper
105 100
120 41.6 23.3 69.8

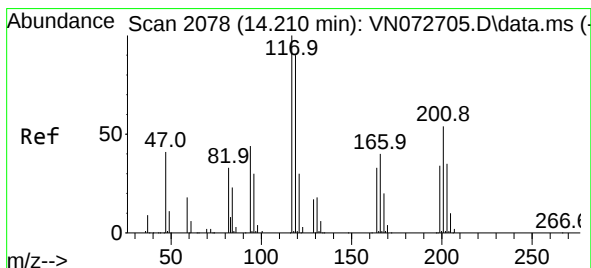
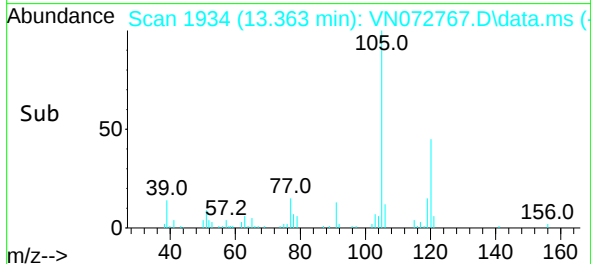
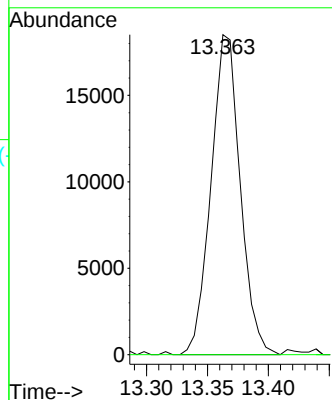
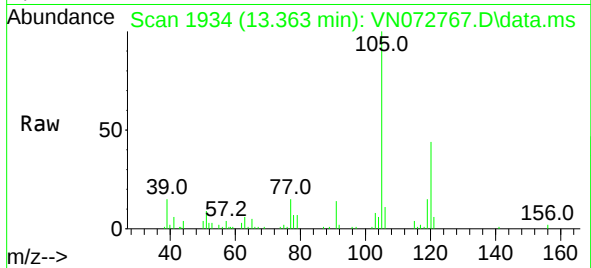




#85
 sec-Butylbenzene
 Concen: 3.023 ug/l
 RT: 13.363 min Scan# 1957
 Delta R.T. -0.135 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

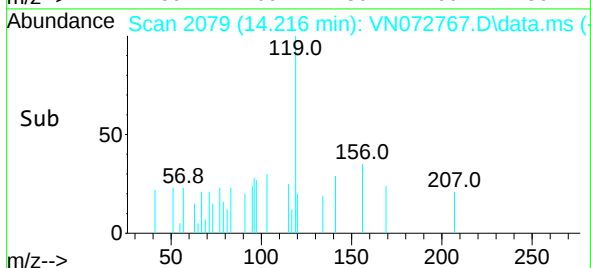
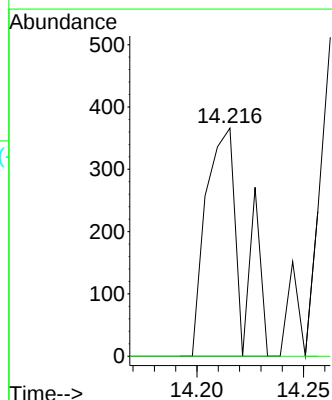
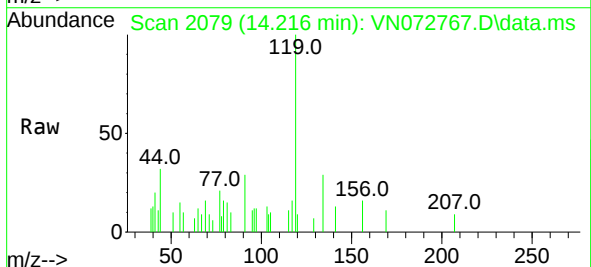
Instrument :
 MSVOA_N
 ClientSampleId :
 40809

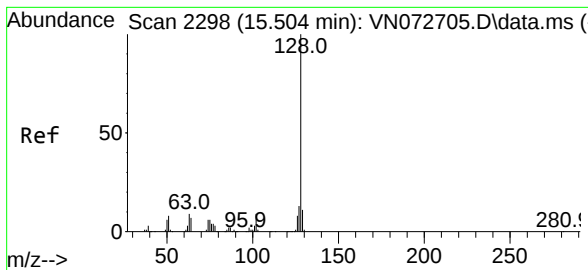
Tgt Ion:105 Resp: 30859
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.250 ug/l
 RT: 14.216 min Scan# 2079
 Delta R.T. 0.005 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

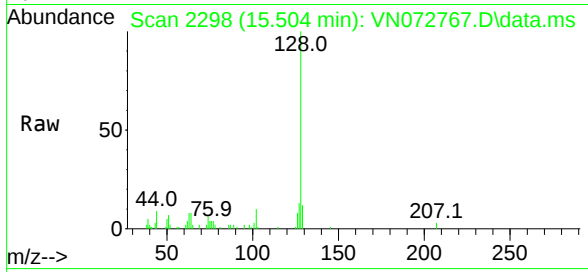
Tgt Ion:117 Resp: 434
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95
 Naphthalene
 Concen: 4.579 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072767.D
 Acq: 10 Jun 2022 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 40809



Tgt Ion:	128	Resp:	30492
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.2	8.6	13.0

