

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072256.D
 Acq On : 28 Apr 2022 22:37
 Operator : JC\MD
 Sample : N2617-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Apr 29 06:38:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

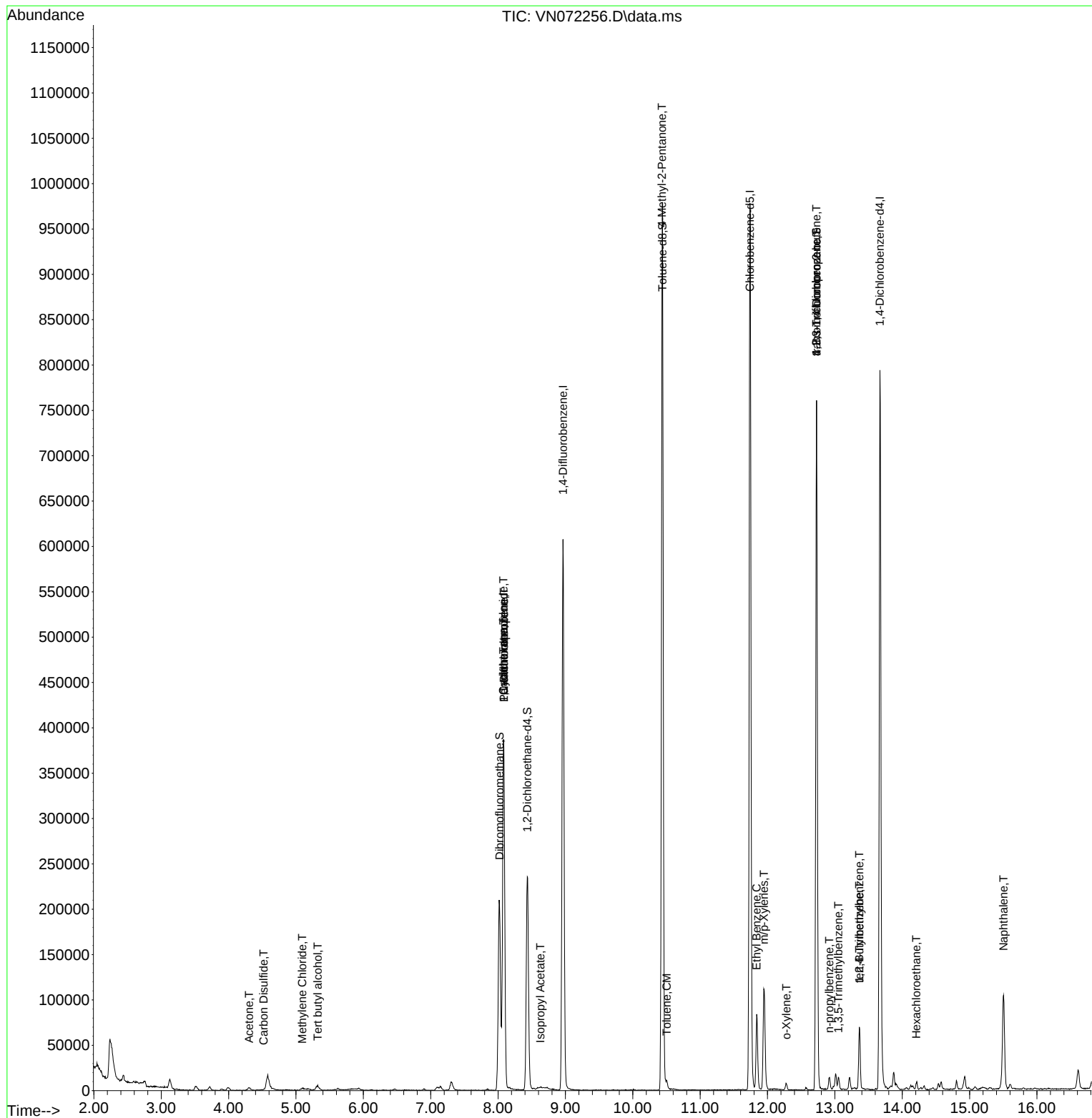
Internal Standards						
1) Pentafluorobenzene	8.086	168	276328	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	511739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	566259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	207866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	211218	49.789	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.580%		
35) Dibromofluoromethane	8.022	113	153612	46.898	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.800%		
50) Toluene-d8	10.439	98	664744	51.649	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.300%		
62) 4-Bromofluorobenzene	12.727	95	263702	61.729	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	123.460%		
Target Compounds						
						Qvalue
3) Chloromethane	2.304	50	1699	Below Cal		94
5) Bromomethane	2.840	94	72	Below Cal	#	2
6) Chloroethane	2.963	64	468	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	5190	7.445	ug/l #	72
16) Acetone	4.304	43	3828	2.093	ug/l #	73
17) Carbon Disulfide	4.522	76	122	0.383	ug/l #	75
20) Methylene Chloride	5.092	84	1388	0.396	ug/l	94
31) Cyclohexane	8.080	56	7130	1.258	ug/l #	18
36) 1,1-Dichloropropene	8.086	75	23823	4.997	ug/l #	49
38) Carbon Tetrachloride	8.080	117	30083	5.891	ug/l #	16
43) Isopropyl Acetate	8.627	43	4460	1.243	ug/l #	53
51) 4-Methyl-2-Pentanone	10.433	43	3188	0.534	ug/l #	1
52) Toluene	10.504	92	2426	0.274	ug/l	93
67) Ethyl Benzene	11.839	91	60960	3.055	ug/l	92
68) m/p-Xylenes	11.945	106	38616	5.212	ug/l	94
69) o-Xylene	12.280	106	2180	0.303	ug/l	79
75) 1,1,2,2-Tetrachloroethane	12.727	83	130	Below Cal	#	11
76) 1,2,3-Trichloropropane	12.727	75	146276	31.316	ug/l #	1
78) n-propylbenzene	12.915	91	12289	0.608	ug/l	96
80) 1,3,5-Trimethylbenzene	13.051	105	7048	0.461	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.727	75	146276	81.367	ug/l #	10
83) tert-Butylbenzene	13.362	119	4937	0.368	ug/l #	47
84) 1,2,4-Trimethylbenzene	13.362	105	40212	2.718	ug/l	96
90) Hexachloroethane	14.209	117	664	0.224	ug/l #	9
95) Naphthalene	15.504	128	112315	13.834	ug/l	98

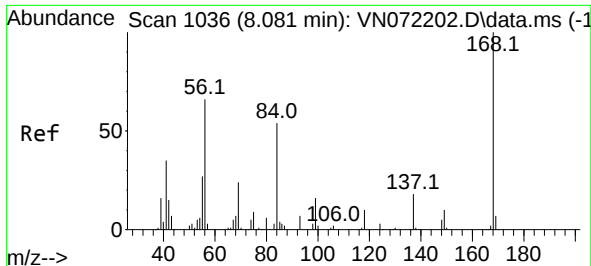
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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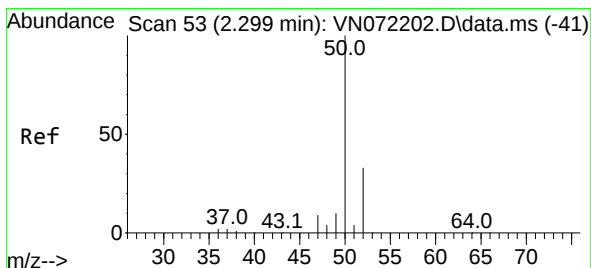
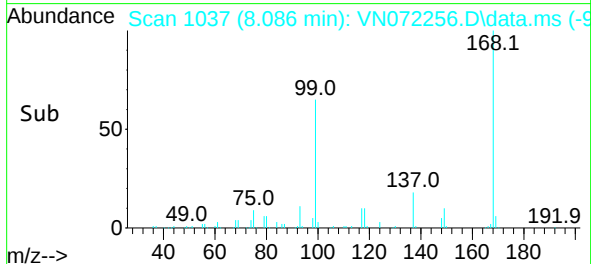
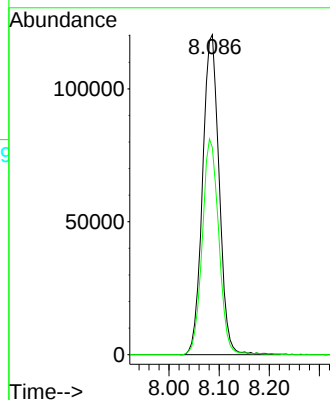
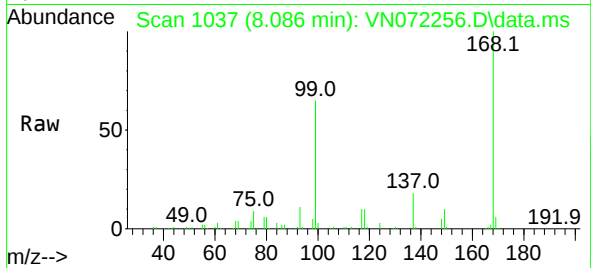




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

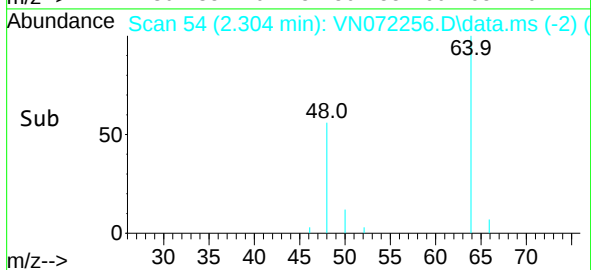
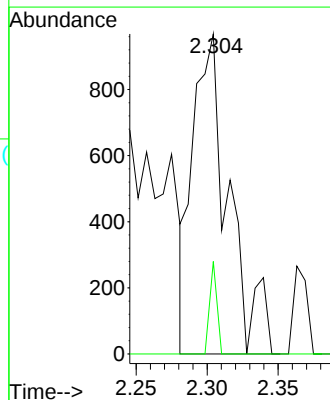
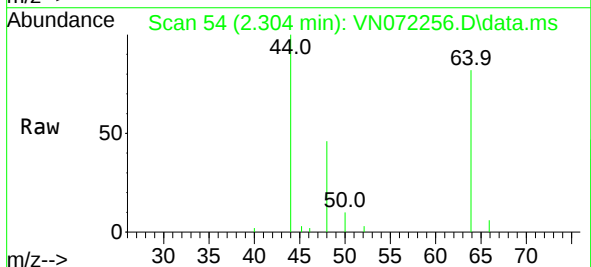
Instrument :
MSVOA_N
ClientSampleId :
TB

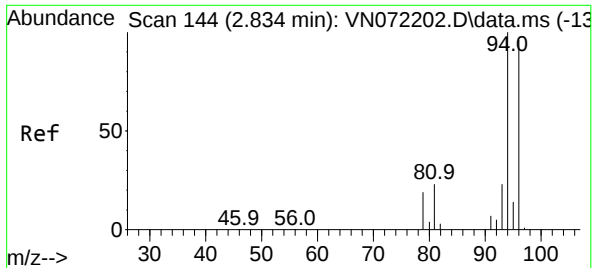
Tgt Ion:168 Resp: 276328
Ion Ratio Lower Upper
168 100
99 64.7 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 50 Resp: 1699
Ion Ratio Lower Upper
50 100
52 28.9 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 2.840 min Scan# 144

Delta R.T. 0.006 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

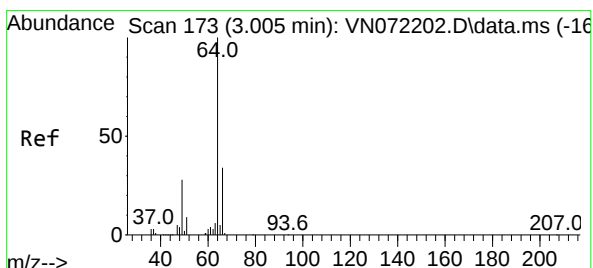
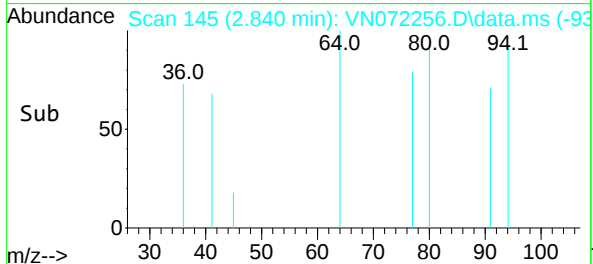
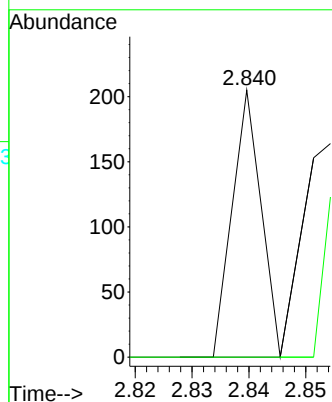
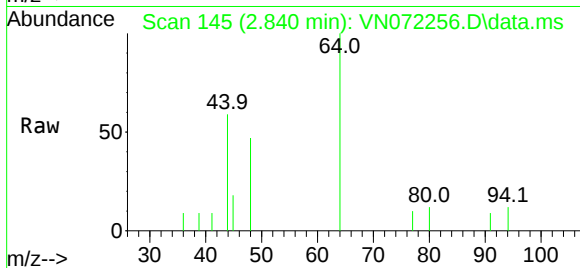
TB

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 2.963 min Scan# 166

Delta R.T. -0.042 min

Lab File: VN072256.D

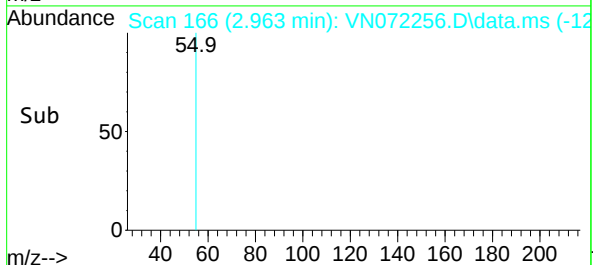
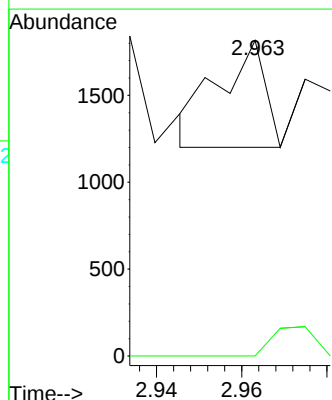
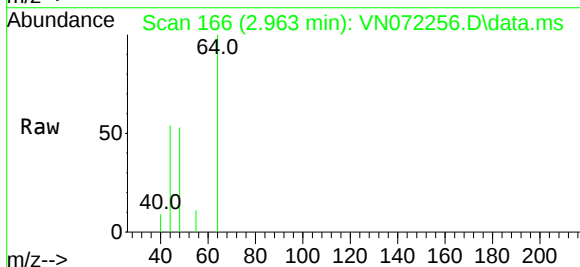
Acq: 28 Apr 2022 22:37

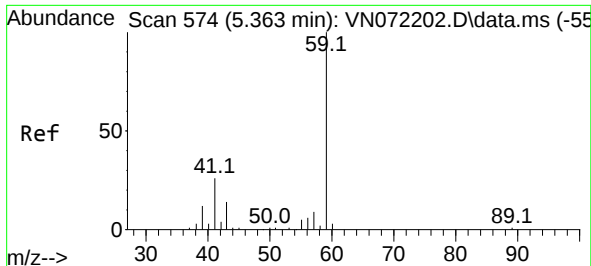
Tgt Ion: 64 Resp: 468

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

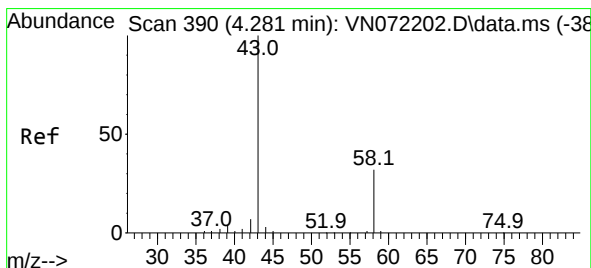
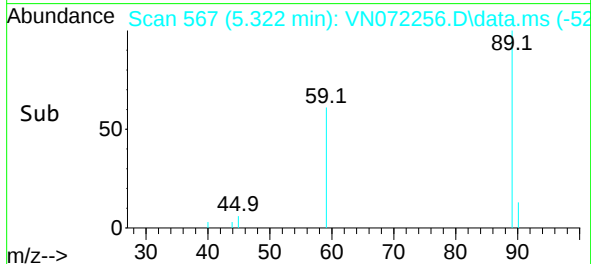
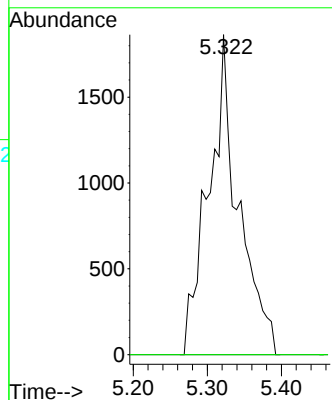
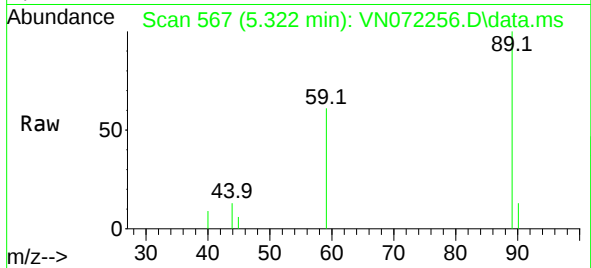




#11
Tert butyl alcohol
Concen: 7.445 ug/l
RT: 5.322 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

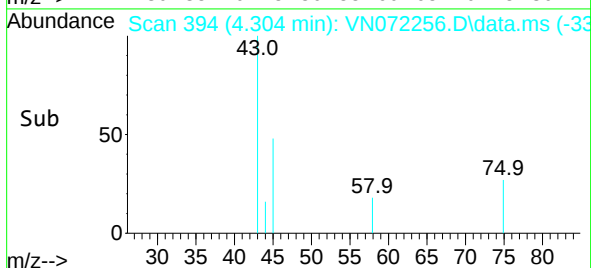
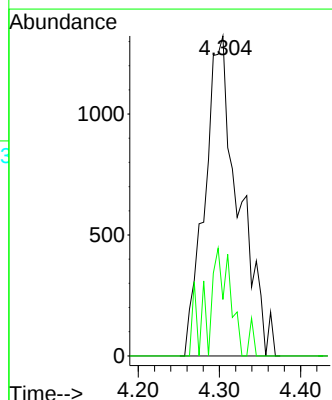
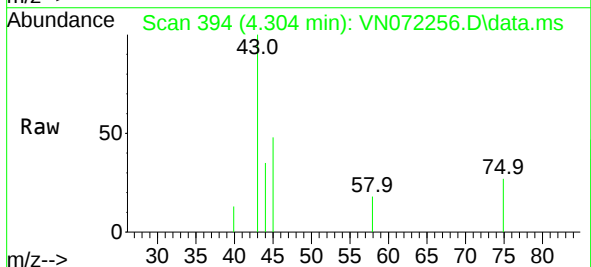
Instrument :
MSVOA_N
ClientSampleId :
TB

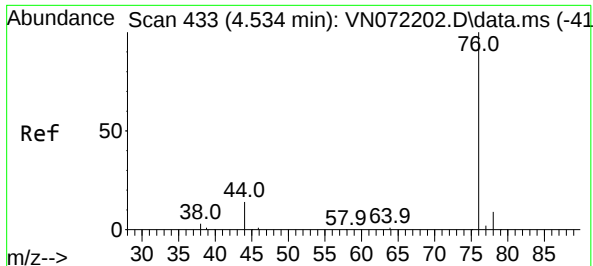
Tgt Ion: 59 Resp: 5190
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.093 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
58 17.6 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.383 ug/l

RT: 4.522 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

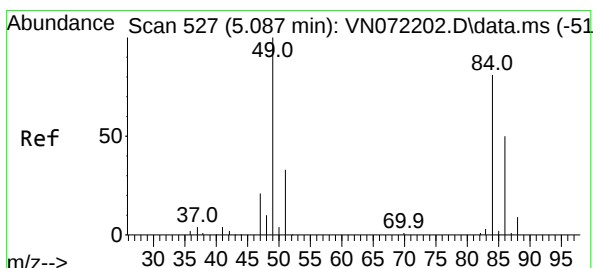
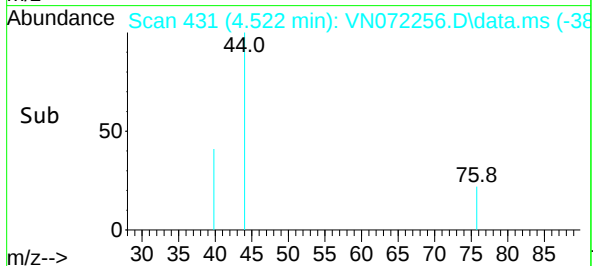
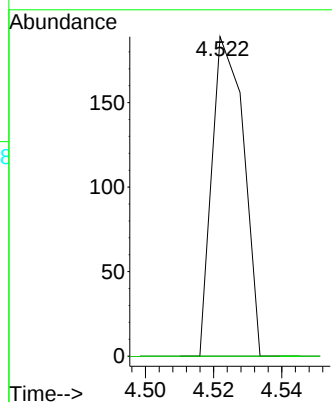
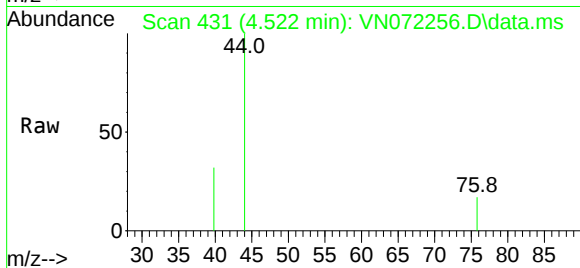
TB

Tgt Ion: 76 Resp: 122

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.396 ug/l

RT: 5.092 min Scan# 528

Delta R.T. 0.005 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

Tgt Ion: 84 Resp: 1388

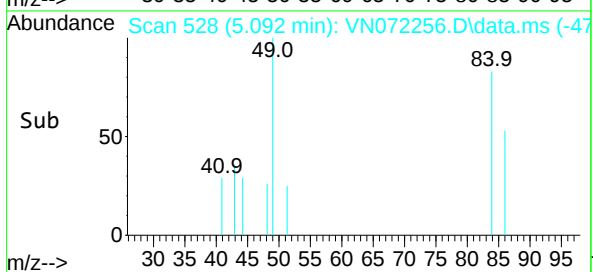
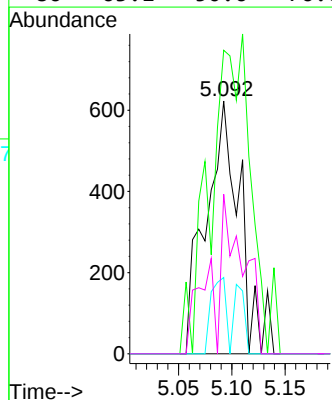
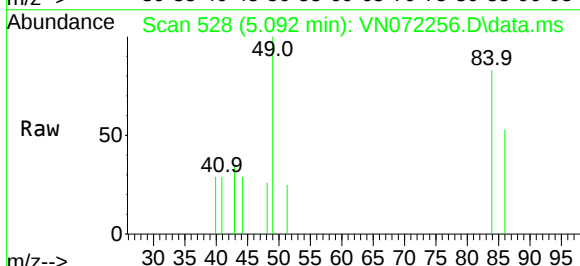
Ion Ratio Lower Upper

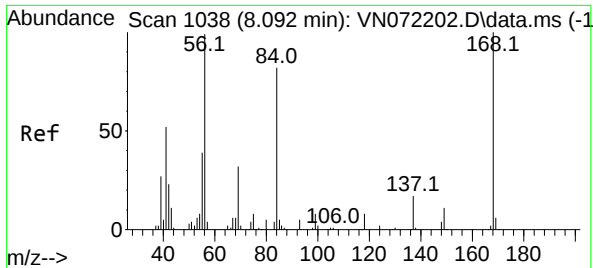
84 100

49 120.1 88.3 132.5

51 30.2 28.2 42.2

86 63.1 50.6 76.0

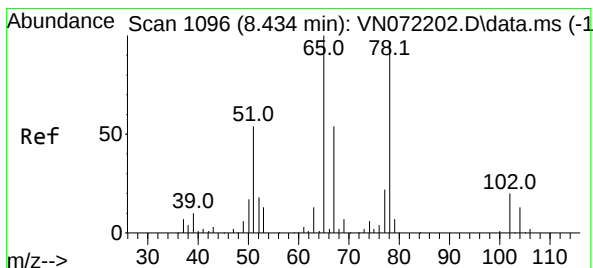
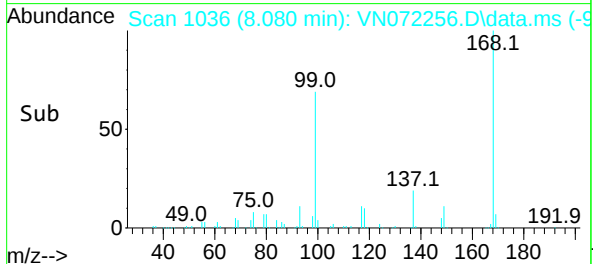
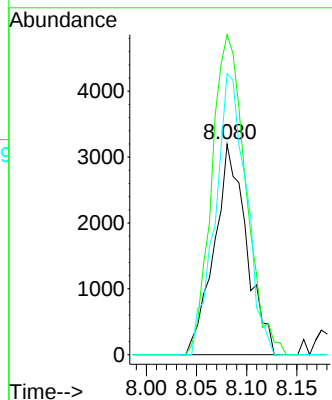
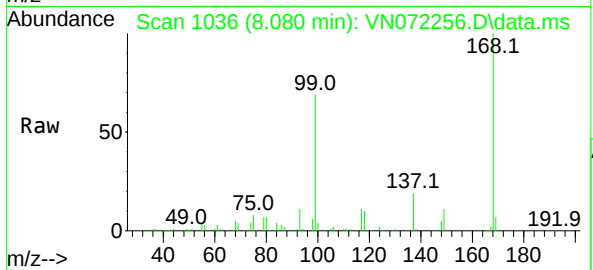




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

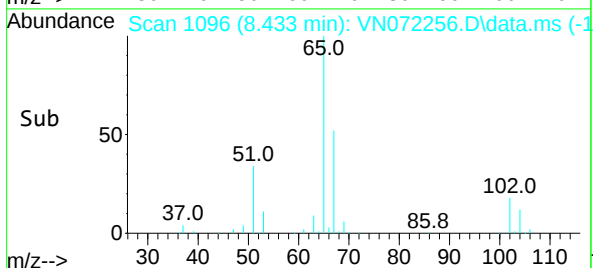
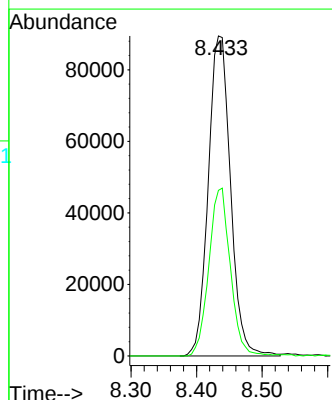
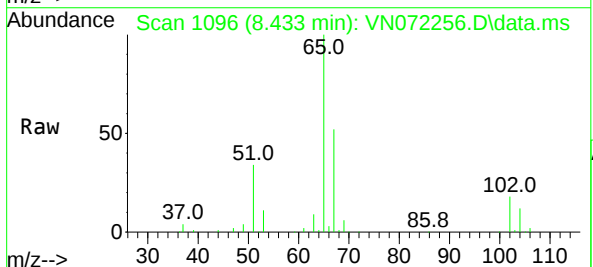
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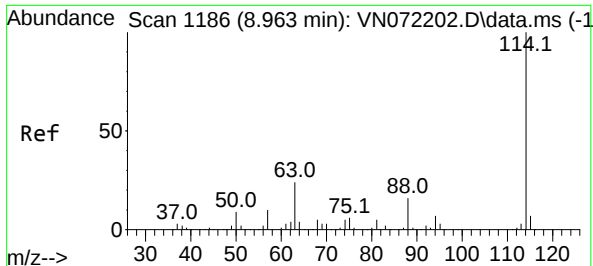
Tgt Ion: 56 Resp: 7130
Ion Ratio Lower Upper
56 100
69 152.1 27.8 41.8#
84 133.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.789 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 65 Resp: 211218
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.8

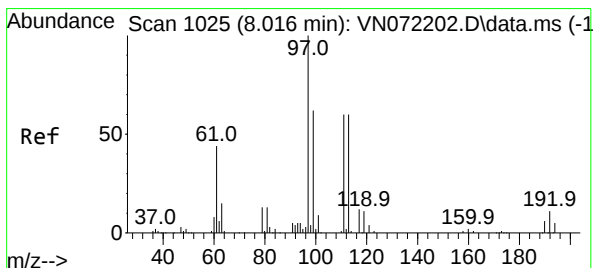
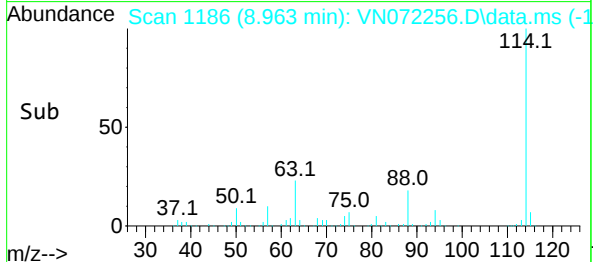
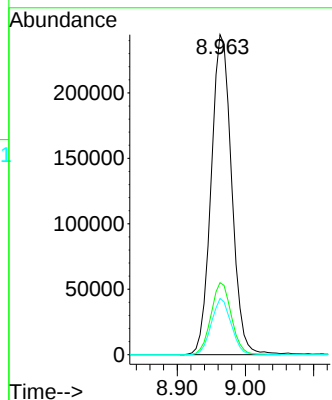
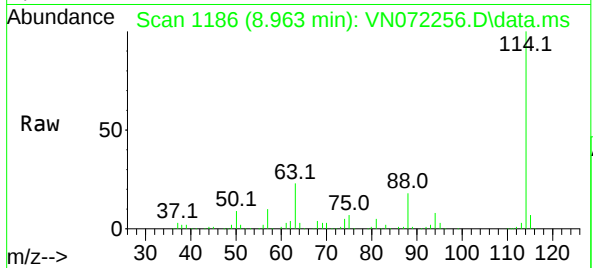




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

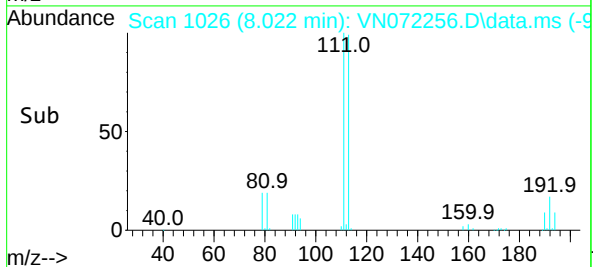
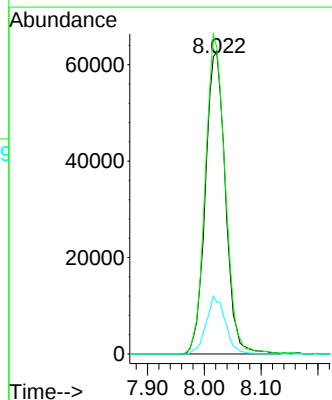
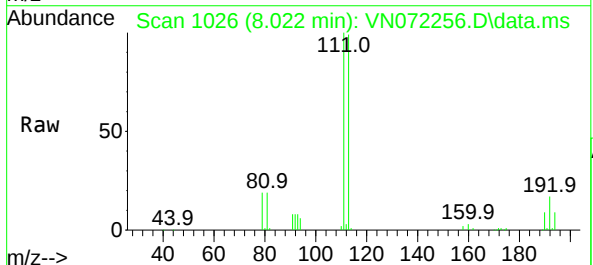
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MSVOA_N
ClientSampleId :
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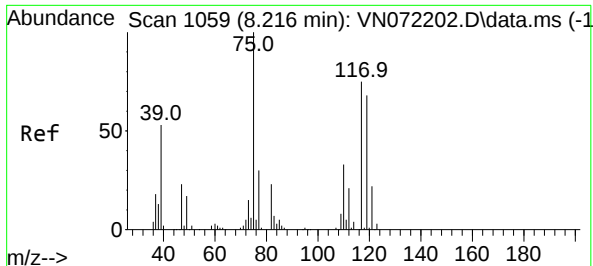
Tgt Ion:114 Resp: 511739
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.0
88 17.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.898 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion:113 Resp: 153612
Ion Ratio Lower Upper
113 100
111 105.0 81.4 122.0
192 18.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.997 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

TB

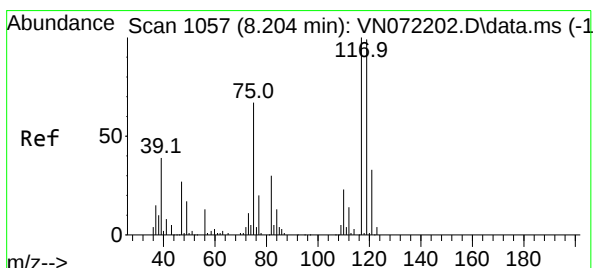
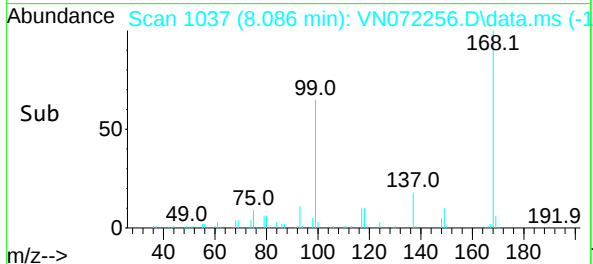
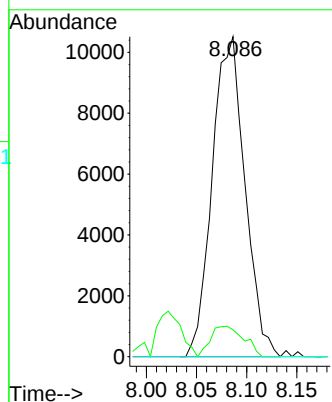
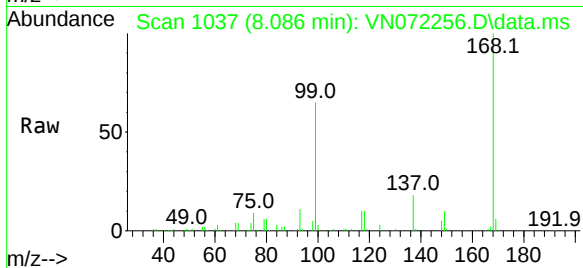
Tgt Ion: 75 Resp: 23823

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.891 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

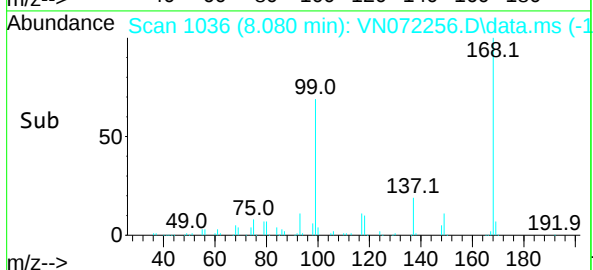
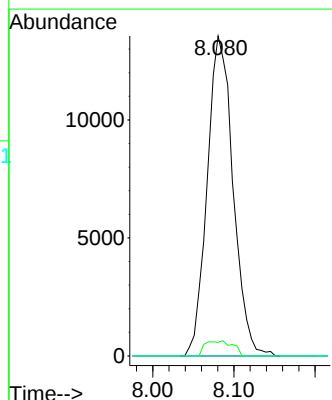
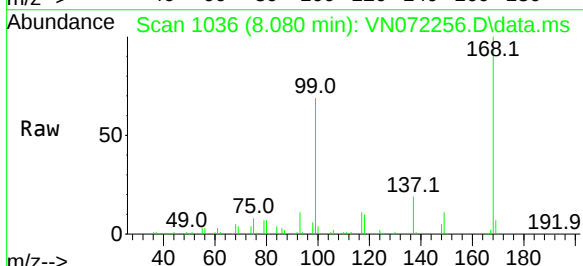
Tgt Ion: 117 Resp: 30083

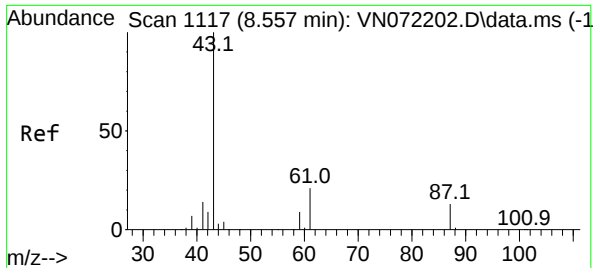
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

121 0.0 24.6 37.0#

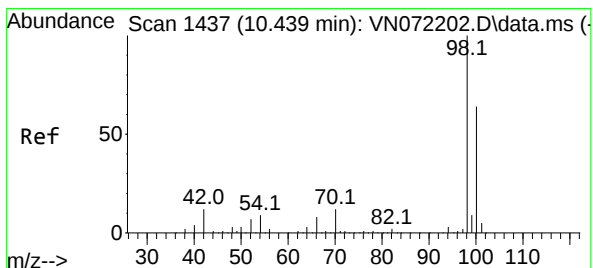
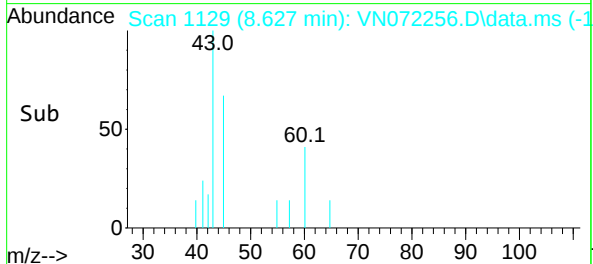
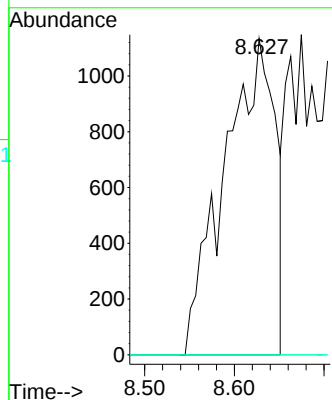
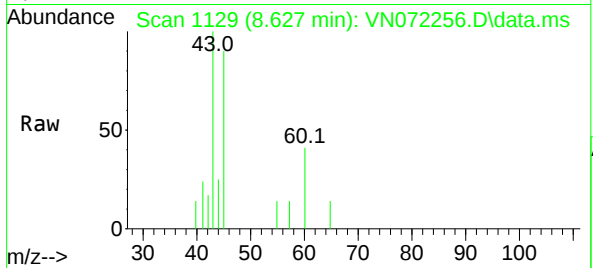




#43
Isopropyl Acetate
Concen: 1.243 ug/l
RT: 8.627 min Scan# 1119
Delta R.T. 0.070 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

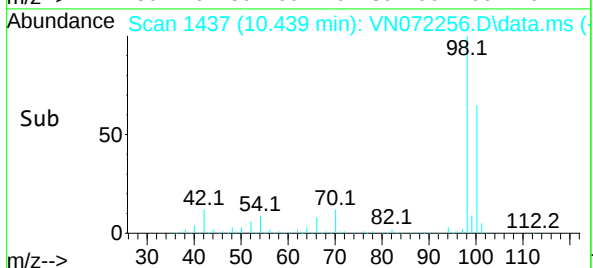
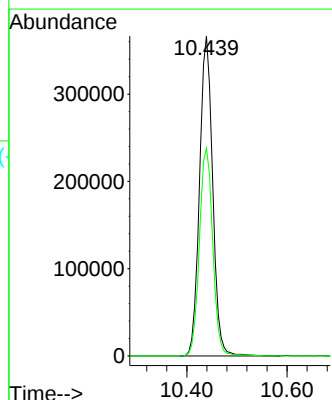
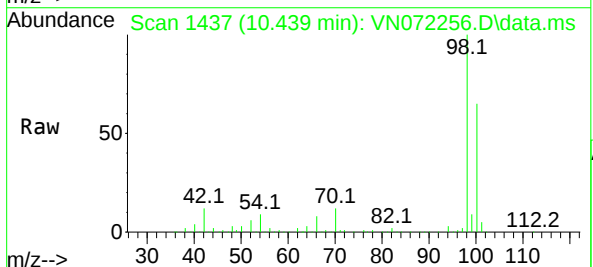
Instrument :
MSVOA_N
ClientSampleId :
TB

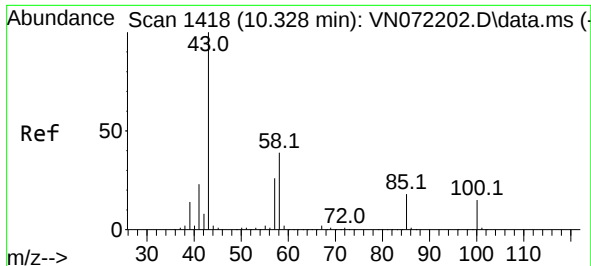
Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.649 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 98 Resp: 664744
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.534 ug/l

RT: 10.433 min Scan# 1418

Delta R.T. 0.105 min

Lab File: VN072256.D

Acq: 28 Apr 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

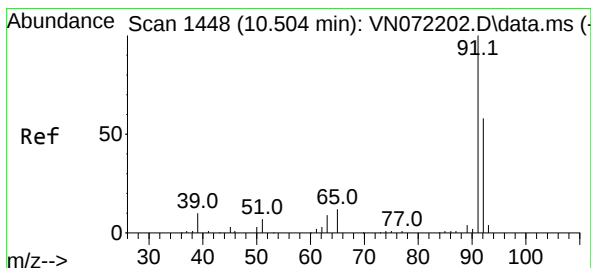
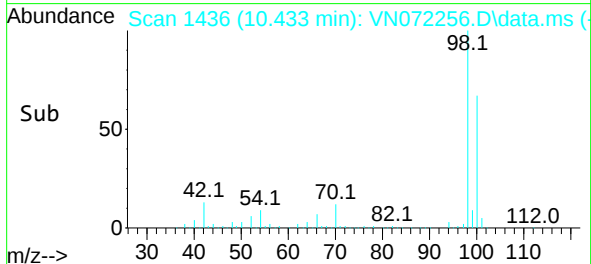
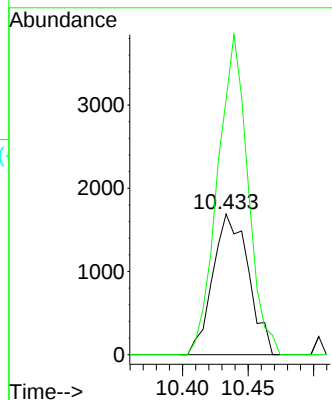
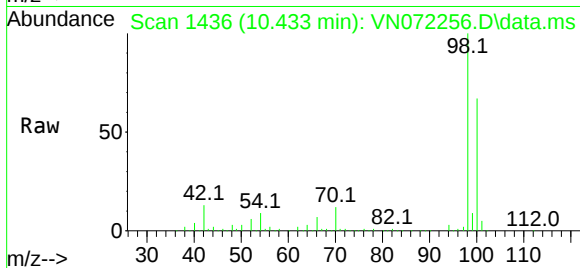
TB

Tgt Ion: 43 Resp: 3188

Ion Ratio Lower Upper

43 100

58 193.9 34.1 51.1#



#52

Toluene

Concen: 0.274 ug/l

RT: 10.504 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN072256.D

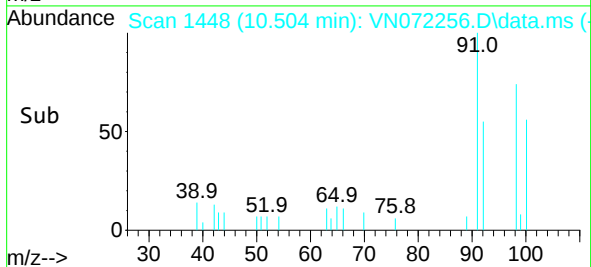
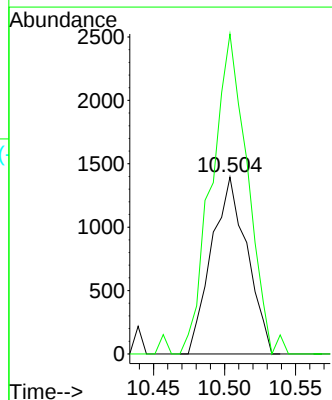
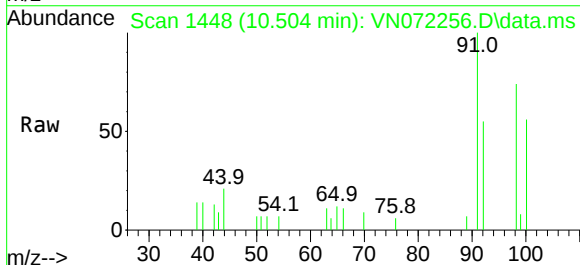
Acq: 28 Apr 2022 22:37

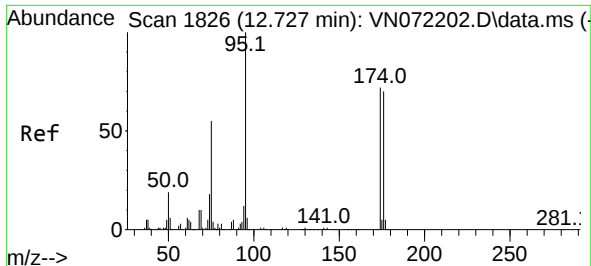
Tgt Ion: 92 Resp: 2426

Ion Ratio Lower Upper

92 100

91 183.5 138.6 207.8

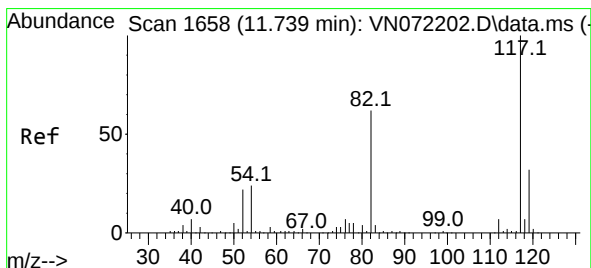
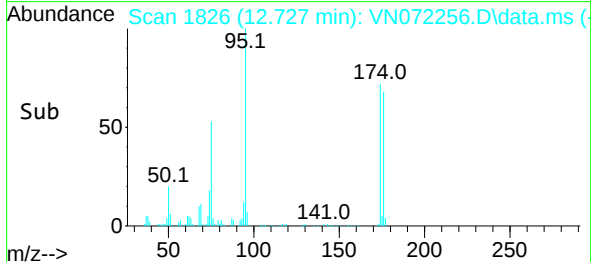
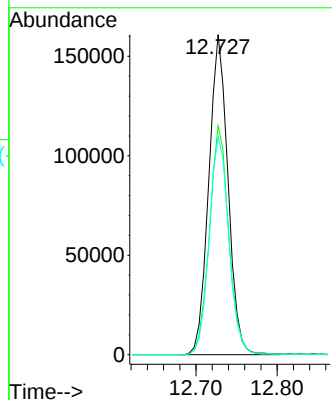
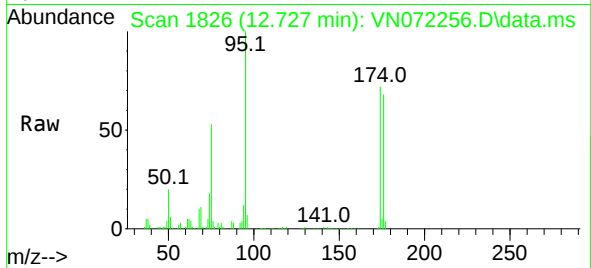




#62
4-Bromofluorobenzene
Concen: 61.729 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

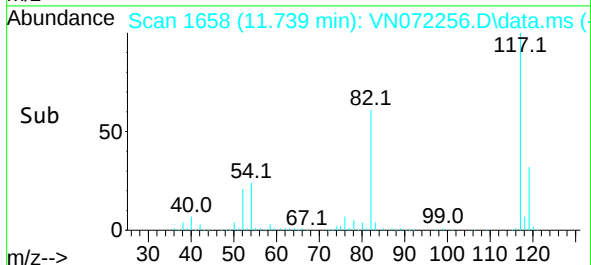
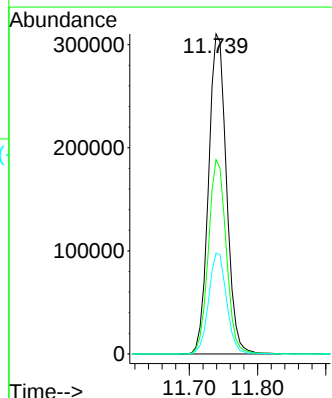
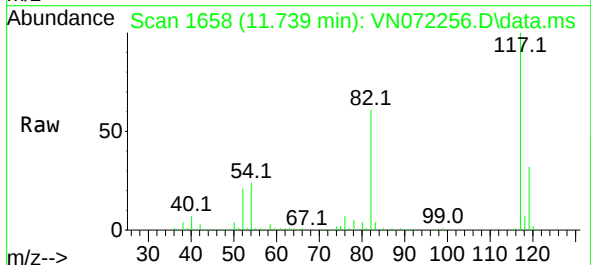
Instrument :
MSVOA_N
ClientSampleId :
TB

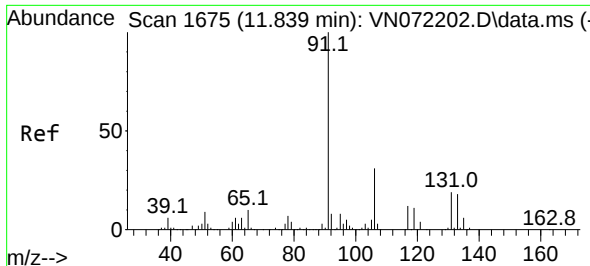
Tgt Ion: 95 Resp: 263702
Ion Ratio Lower Upper
95 100
174 72.0 0.0 167.6
176 69.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 117 Resp: 566259
Ion Ratio Lower Upper
117 100
82 60.7 44.2 66.2
119 31.5 25.4 38.0

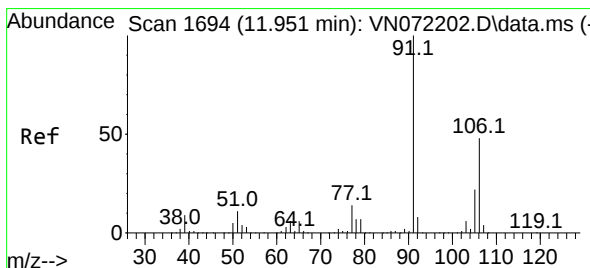
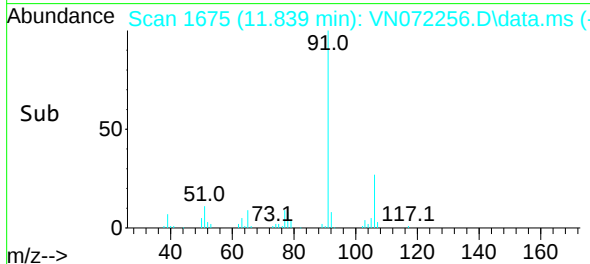
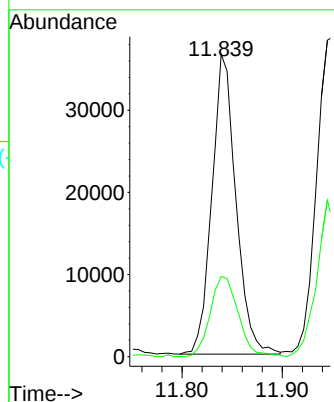
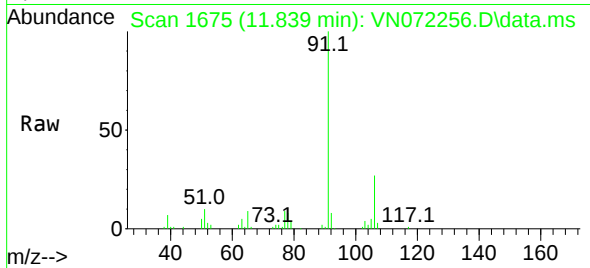




#67
Ethyl Benzene
Concen: 3.055 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

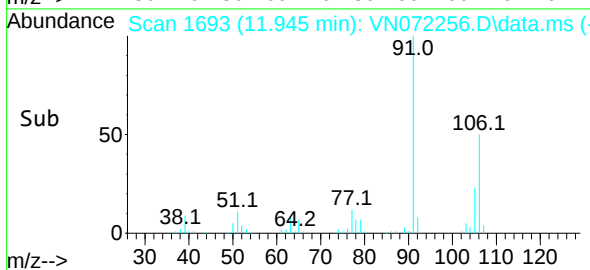
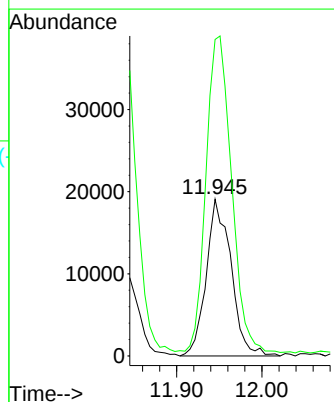
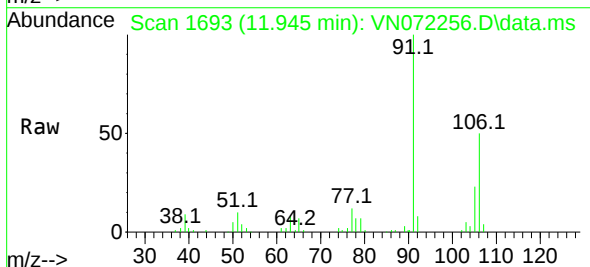
Instrument :
MSVOA_N
ClientSampleId :
TB

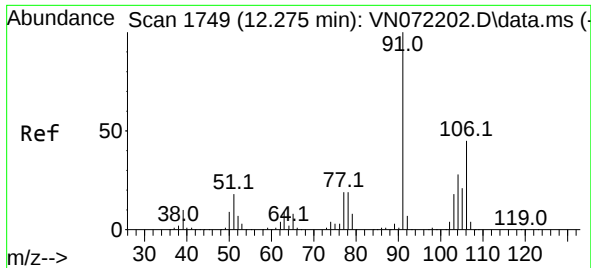
Tgt Ion: 91 Resp: 60960
Ion Ratio Lower Upper
91 100
106 26.7 24.9 37.3



#68
m/p-Xylenes
Concen: 5.212 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 106 Resp: 38616
Ion Ratio Lower Upper
106 100
91 207.2 158.9 238.3

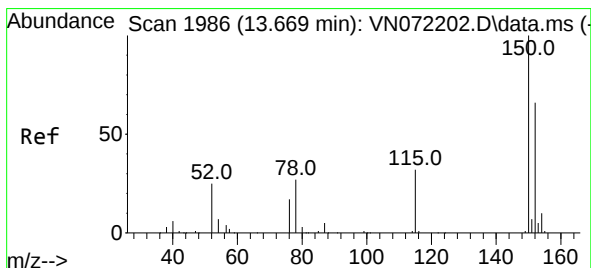
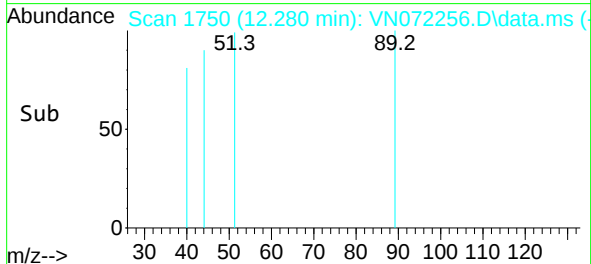
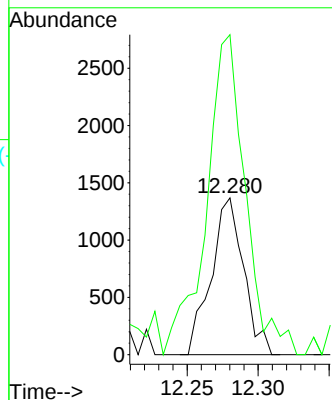
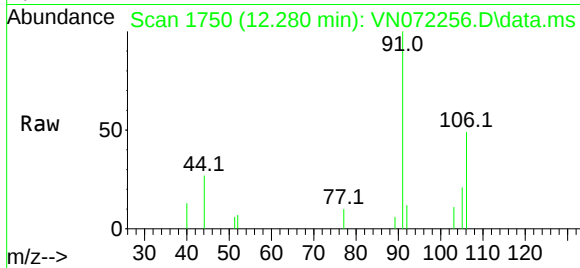




#69
o-Xylene
Concen: 0.303 ug/l
RT: 12.280 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

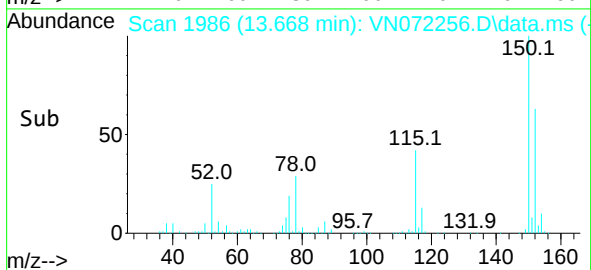
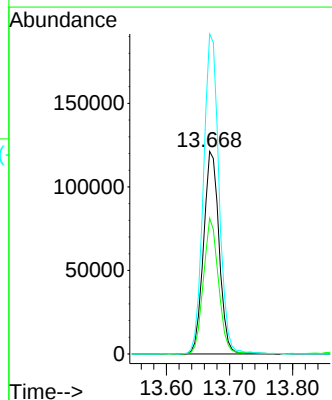
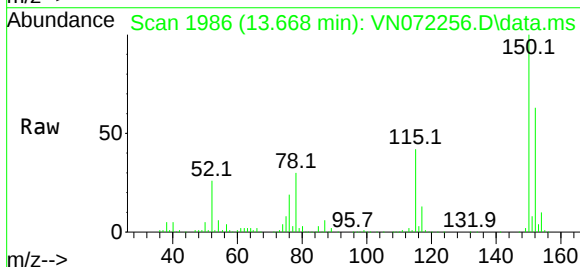
Instrument :
MSVOA_N
ClientSampleId :
TB

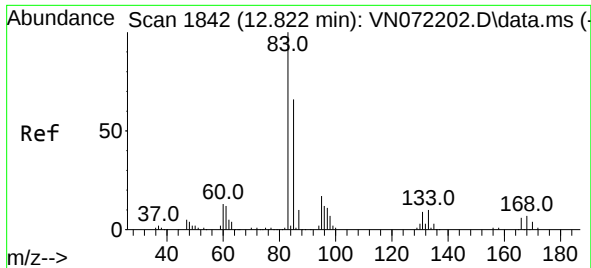
Tgt Ion:106 Resp: 2180
Ion Ratio Lower Upper
106 100
91 245.3 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion:152 Resp: 207866
Ion Ratio Lower Upper
152 100
115 65.3 28.9 86.7
150 158.0 0.0 356.2

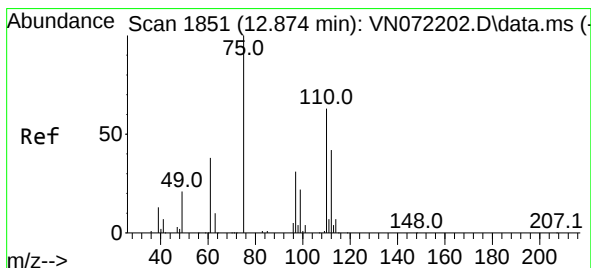
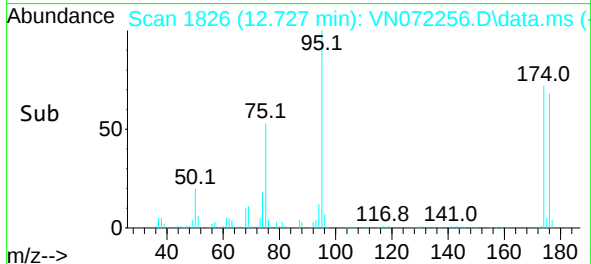
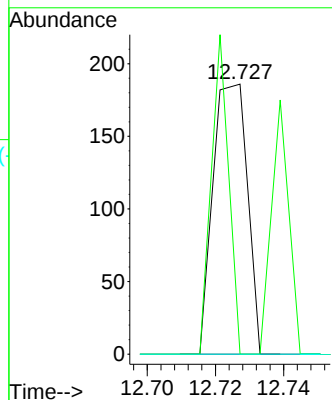
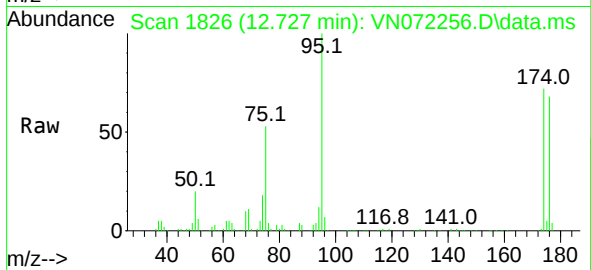




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.095 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

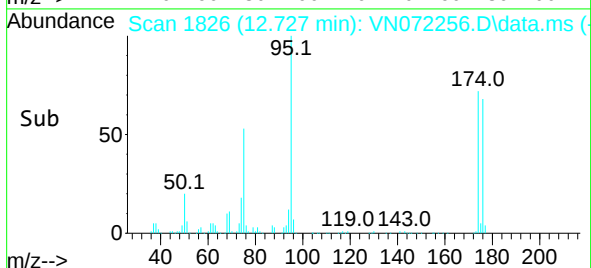
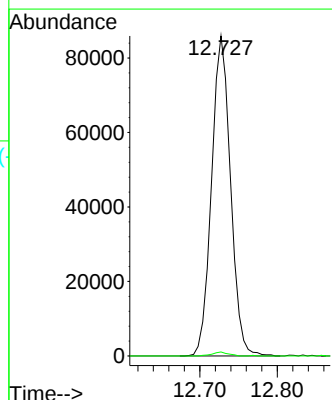
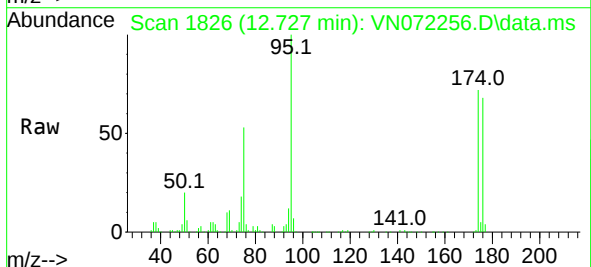
Instrument :
MSVOA_N
ClientSampleId :
TB

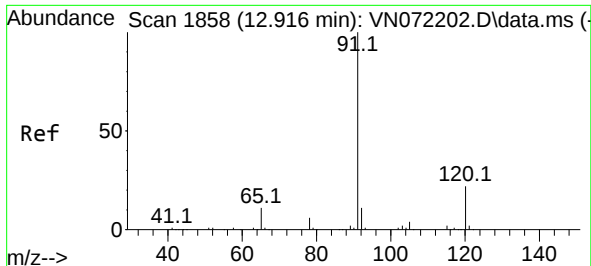
Tgt Ion: 83 Resp: 130
Ion Ratio Lower Upper
83 100
131 60.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 31.316 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 75 Resp: 146276
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

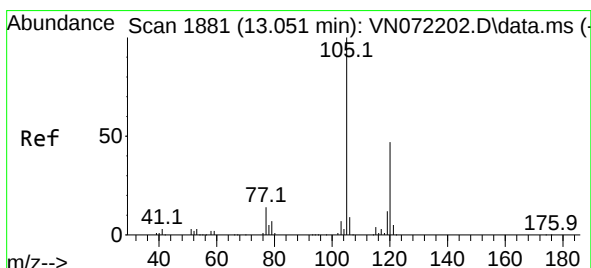
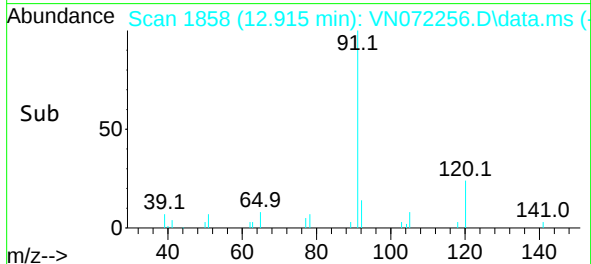
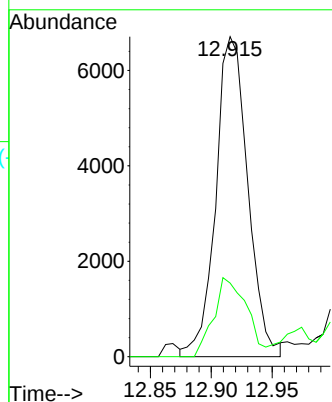
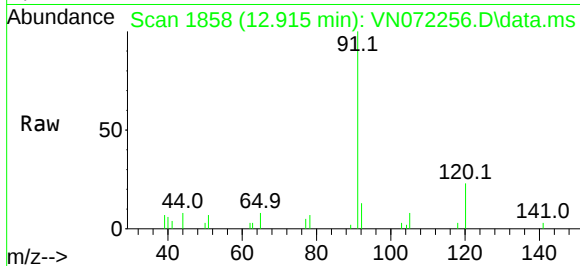




#78
n-propylbenzene
Concen: 0.608 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

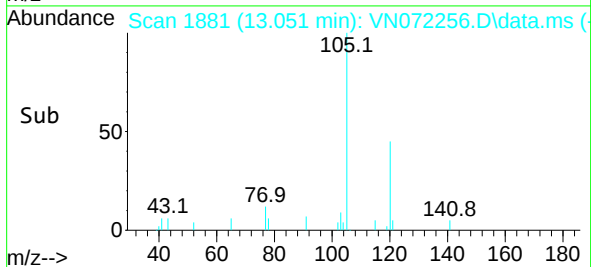
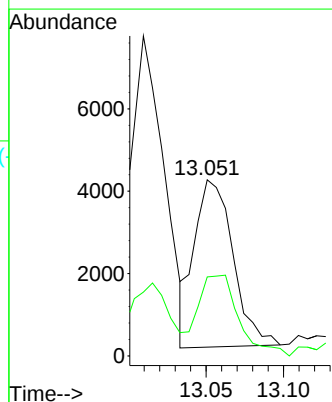
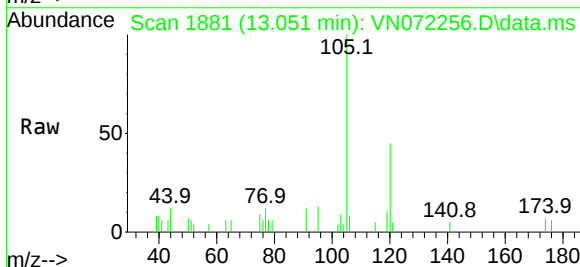
Instrument :
MSVOA_N
ClientSampleId :
TB

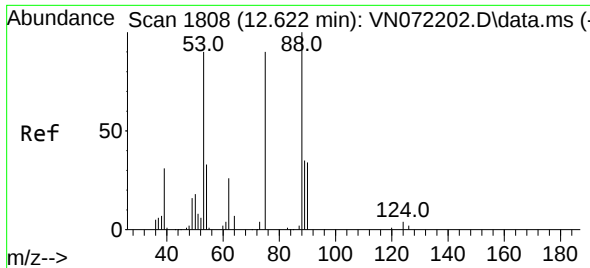
Tgt Ion: 91 Resp: 12289
Ion Ratio Lower Upper
91 100
120 25.5 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.461 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Tgt Ion: 105 Resp: 7048
Ion Ratio Lower Upper
105 100
120 51.7 24.9 74.7

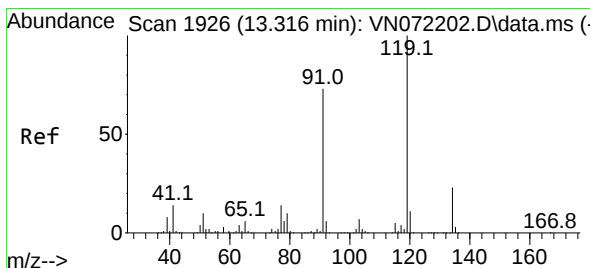
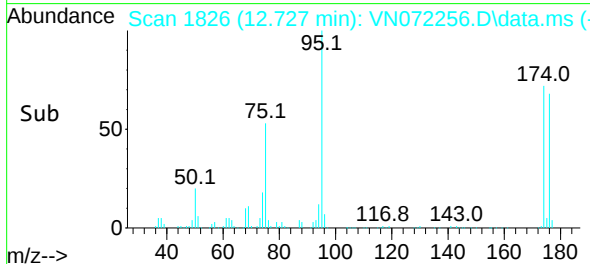
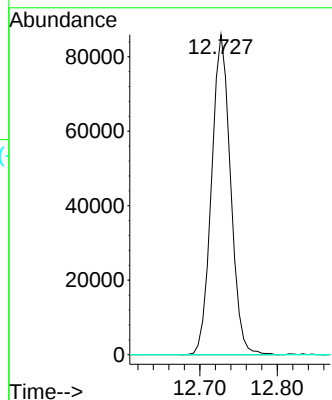
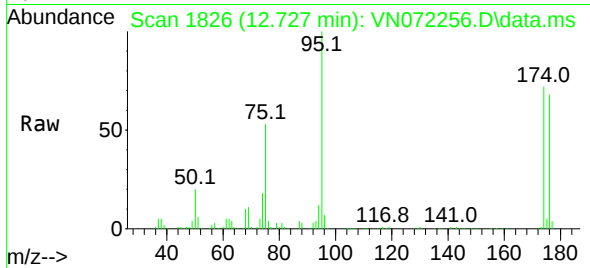




#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.367 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072256.D
 Acq: 28 Apr 2022 22:37

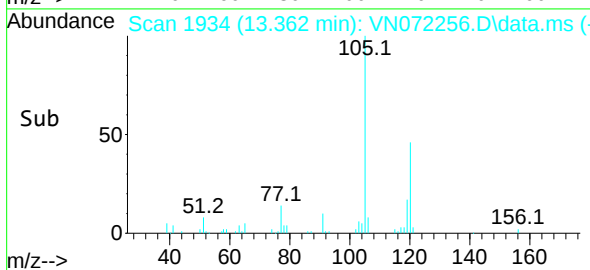
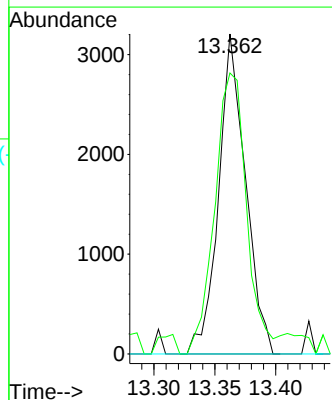
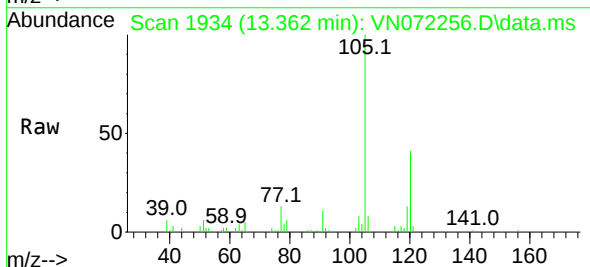
Instrument :
 MSVOA_N
 ClientSampleId :
 TB

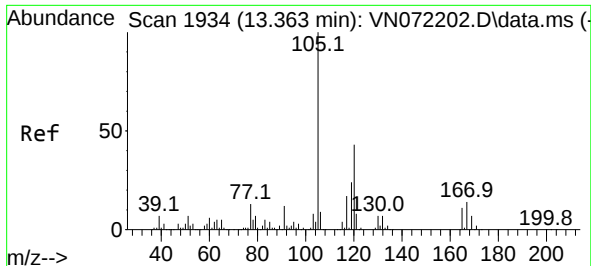
Tgt Ion: 75 Resp: 146276
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#83
 tert-Butylbenzene
 Concen: 0.368 ug/l
 RT: 13.362 min Scan# 1934
 Delta R.T. 0.046 min
 Lab File: VN072256.D
 Acq: 28 Apr 2022 22:37

Tgt Ion: 119 Resp: 4937
 Ion Ratio Lower Upper
 119 100
 91 104.9 31.6 94.8#
 134 0.0 13.7 41.1#

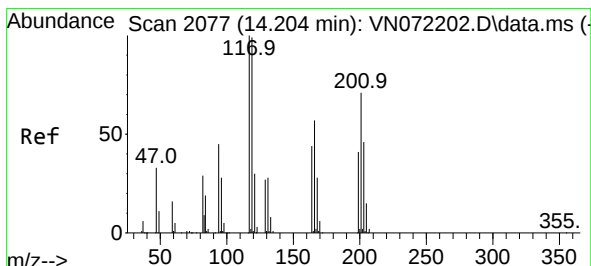
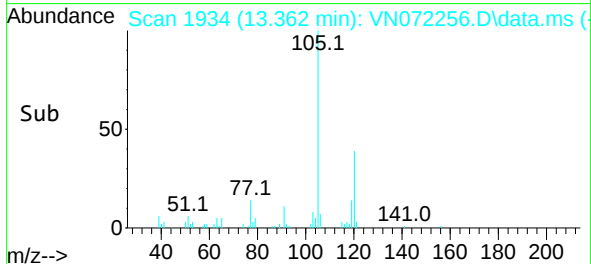
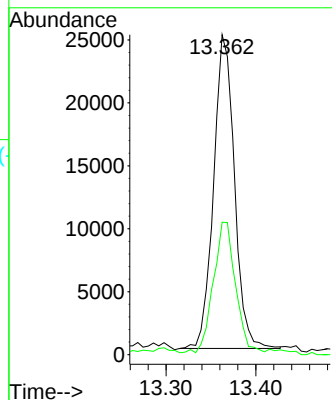
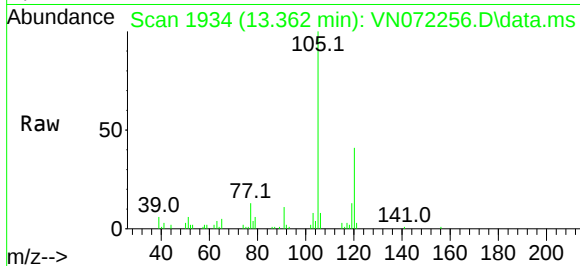




#84
1,2,4-Trimethylbenzene
Concen: 2.718 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

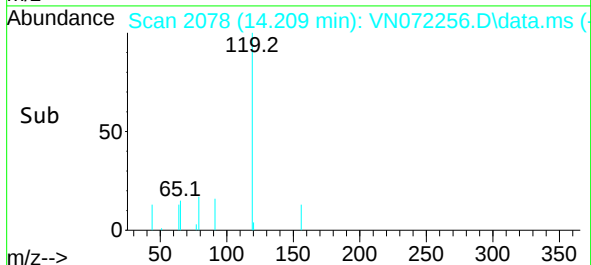
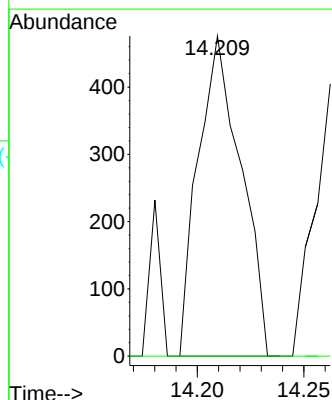
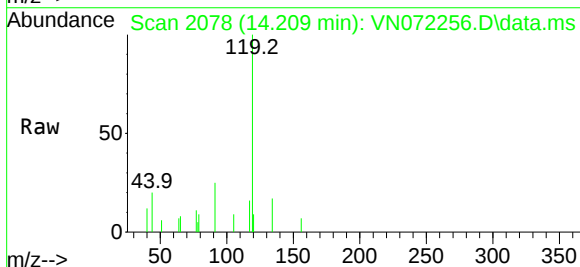
Instrument :
MSVOA_N
ClientSampleId :
TB

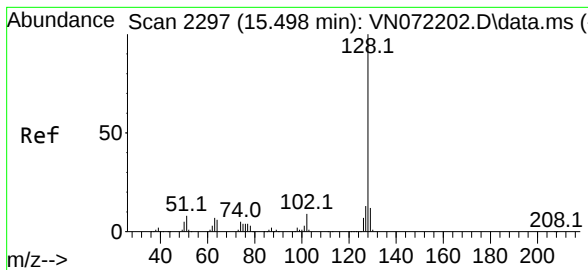
Tgt Ion:105 Resp: 40212
Ion Ratio Lower Upper
105 100
120 44.0 23.3 69.8



#90
Hexachloroethane
Concen: 0.224 ug/l
RT: 14.209 min Scan# 2078
Delta R.T. 0.005 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

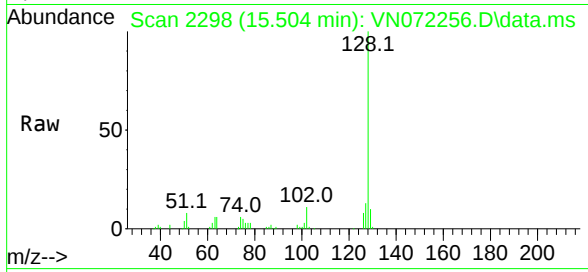
Tgt Ion:117 Resp: 664
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#95
Naphthalene
Concen: 13.834 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072256.D
Acq: 28 Apr 2022 22:37

Instrument :
MSVOA_N
ClientSampleId :
TB



Tgt Ion:	128	Resp:	112315
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.7	8.6	13.0

