

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072899.D
 Acq On : 16 Jun 2022 23:41
 Operator : JC\MD
 Sample : N3202-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 06:08:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 06:04:26 2022
 Response via : Initial Calibration

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

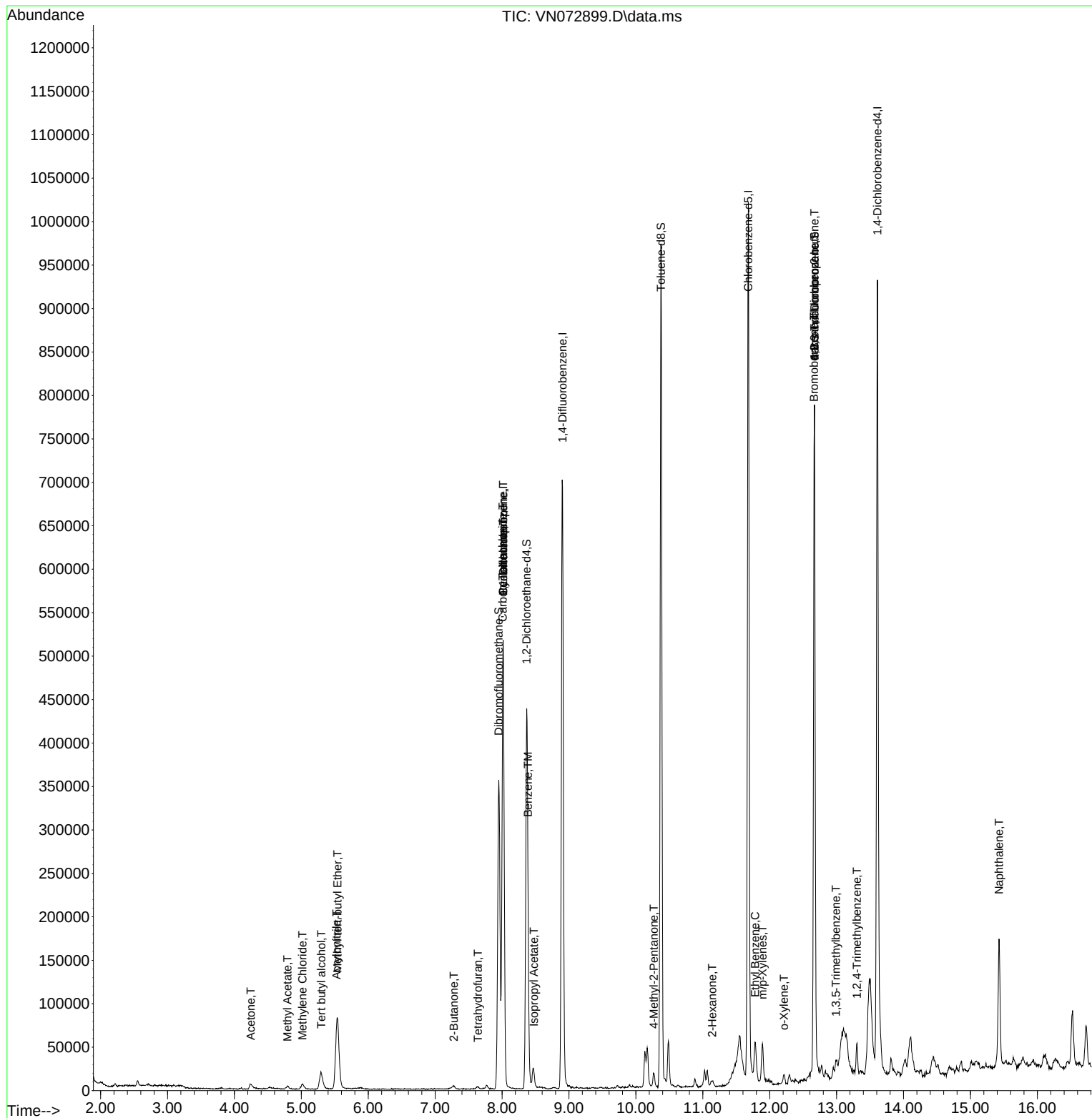
Internal Standards						
1) Pentafluorobenzene	8.016	168	408969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	640001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	576588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	247638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	350996	46.454	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.900%		
35) Dibromofluoromethane	7.951	113	268081	46.113	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.220%		
50) Toluene-d8	10.375	98	664542	29.203	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	58.400%#		
62) 4-Bromofluorobenzene	12.669	95	275170	34.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	69.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.298	59	38393	19.516	ug/l	99
13) Acrolein	4.010	56	64	Below Cal	#	16
15) Acrylonitrile	5.528	53	1352	0.317	ug/l #	29
16) Acetone	4.246	43	11952	3.134	ug/l	94
18) Methyl Acetate	4.793	43	7060	0.649	ug/l #	89
19) Methyl tert-butyl Ether	5.540	73	140276	6.723	ug/l	97
20) Methylene Chloride	5.016	84	4771	0.699	ug/l	87
25) 2-Butanone	7.281	43	5982	0.985	ug/l	96
29) Tetrahydrofuran	7.639	42	2386	0.593	ug/l #	77
31) Cyclohexane	8.016	56	8164	0.806	ug/l #	20
36) 1,1-Dichloropropene	8.016	75	29868	3.762	ug/l #	48
38) Carbon Tetrachloride	8.010	117	39210	4.587	ug/l #	16
40) Benzene	8.386	78	41164	1.627	ug/l	99
43) Isopropyl Acetate	8.475	43	5630	0.315	ug/l #	53
51) 4-Methyl-2-Pentanone	10.269	43	12093	1.045	ug/l	95
59) 2-Hexanone	11.139	43	3876	0.451	ug/l	67
67) Ethyl Benzene	11.780	91	25189	0.938	ug/l	97
68) m/p-Xylenes	11.892	106	14104	1.368	ug/l	96
69) o-Xylene	12.216	106	2596	0.245	ug/l	78
76) 1,2,3-Trichloropropane	12.669	75	137977	18.745	ug/l #	1
77) Bromobenzene	12.663	156	6090	1.103	ug/l #	5
80) 1,3,5-Trimethylbenzene	12.992	105	3797	0.201	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.669	75	137977	53.389	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	20170	1.109	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.539	75	142	Below Cal	#	45
95) Naphthalene	15.427	128	147669	9.412	ug/l	97

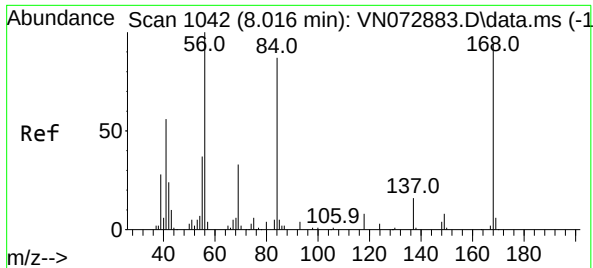
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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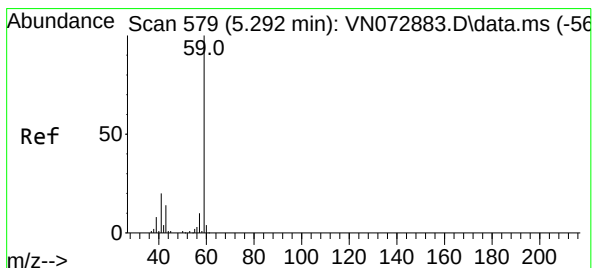
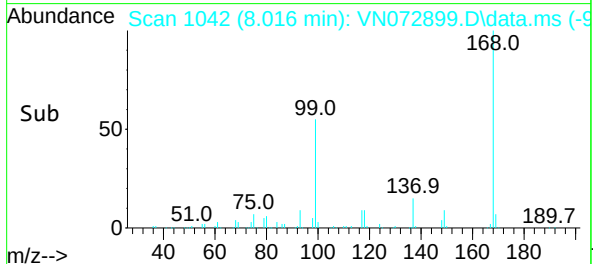
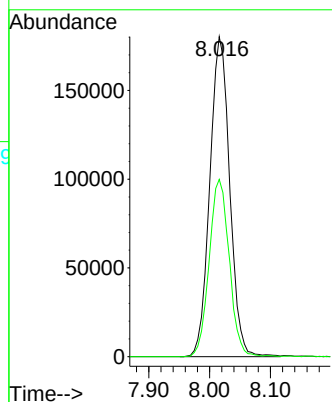
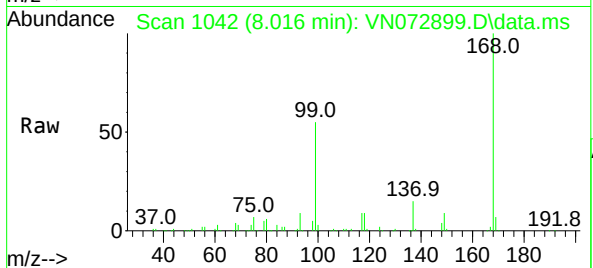




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

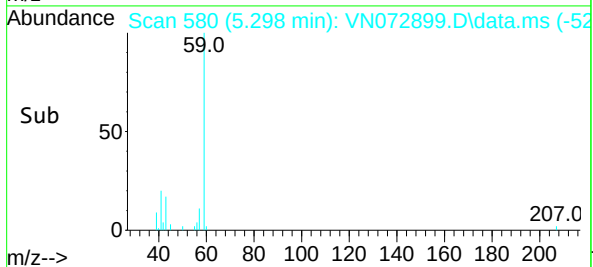
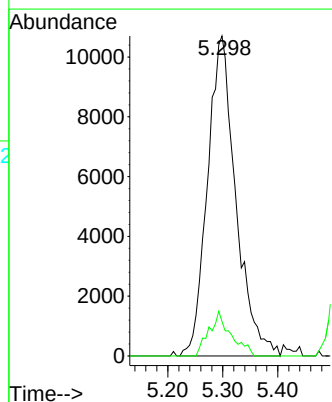
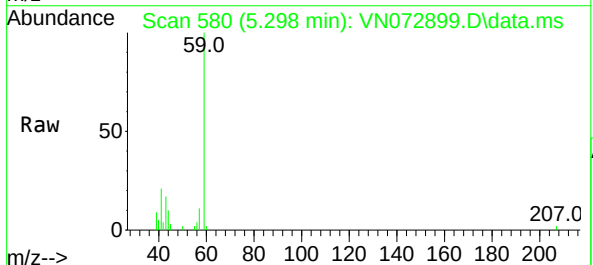
Instrument :
MSVOA_N
ClientSampleId :

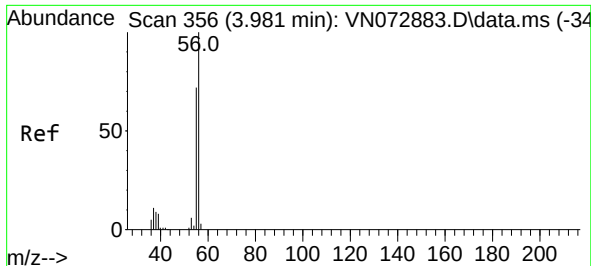
Tgt Ion:168 Resp: 408969
Ion Ratio Lower Upper
168 100
99 55.4 42.3 63.5



#11
Tert butyl alcohol
Concen: 19.516 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

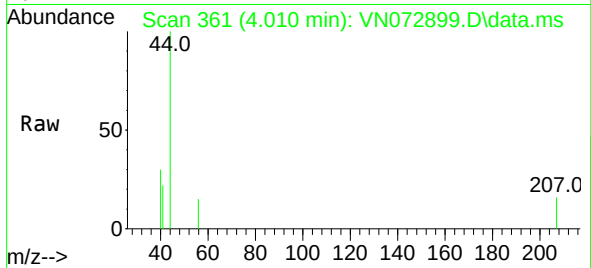
Tgt Ion: 59 Resp: 38393
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



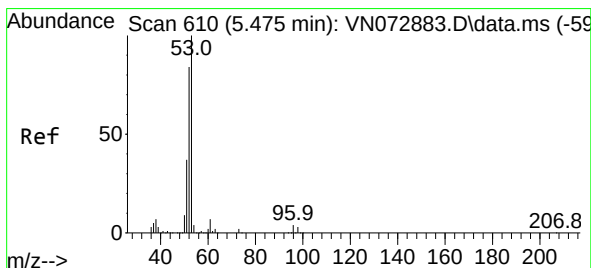
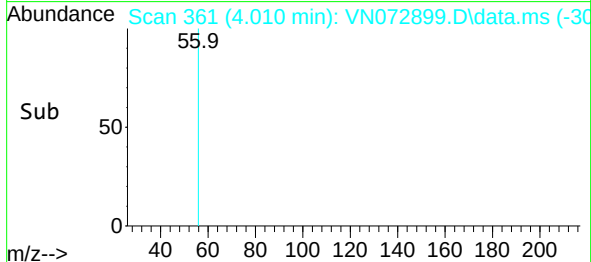
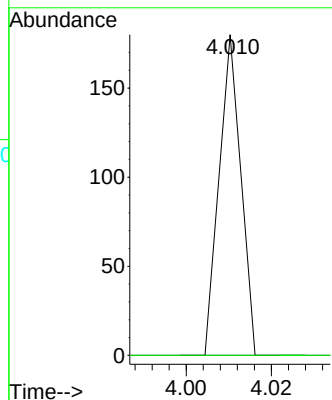


#13
Acrolein
Concen: Below Cal
RT: 4.010 min Scan# 30
Delta R.T. 0.029 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Instrument :
MSVOA_N
ClientSampleId :

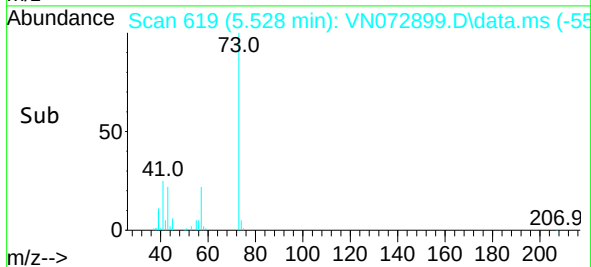
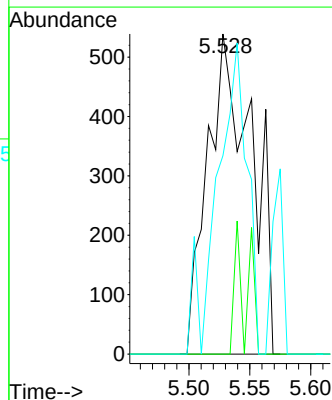
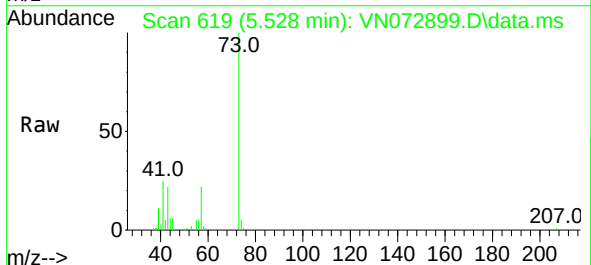


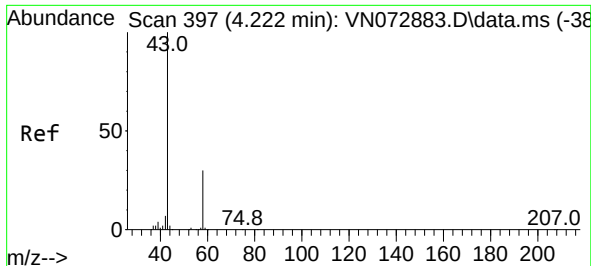
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#15
Acrylonitrile
Concen: 0.317 ug/l
RT: 5.528 min Scan# 619
Delta R.T. 0.053 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 53 Resp: 1352
Ion Ratio Lower Upper
53 100
52 11.4 66.4 99.6#
51 66.3 28.5 42.7#

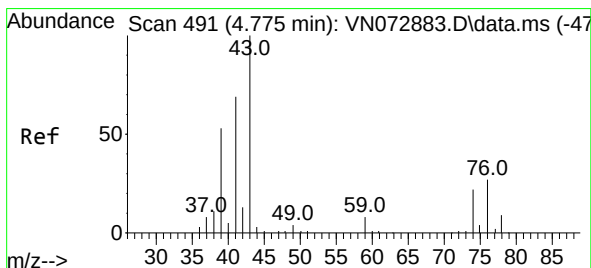
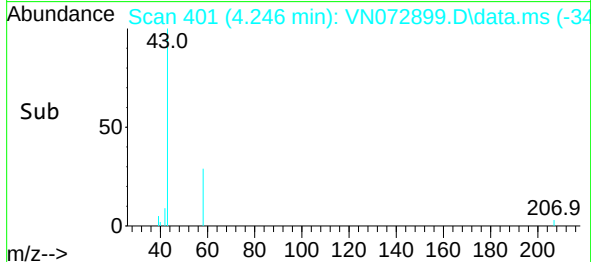
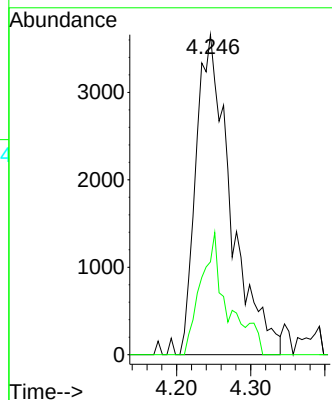
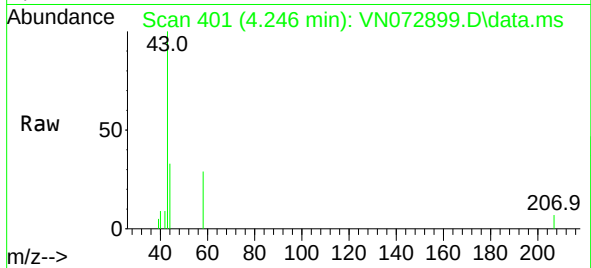




#16
Acetone
Concen: 3.134 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

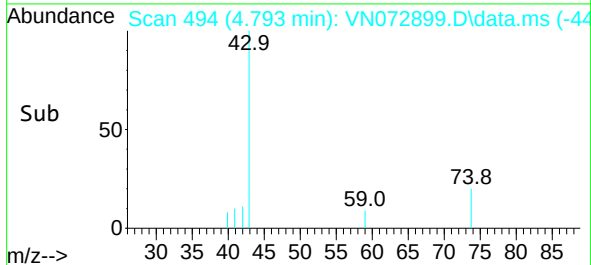
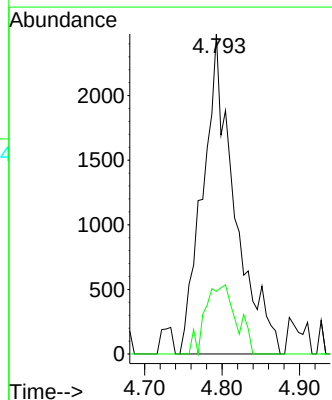
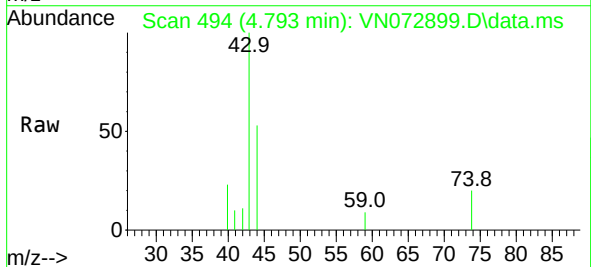
Instrument :
MSVOA_N
ClientSampleId :

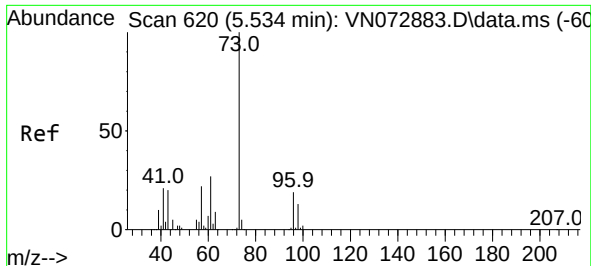
Tgt Ion: 43 Resp: 11952
Ion Ratio Lower Upper
43 100
58 29.0 26.0 39.0



#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 43 Resp: 7060
Ion Ratio Lower Upper
43 100
74 21.2 21.6 32.4#

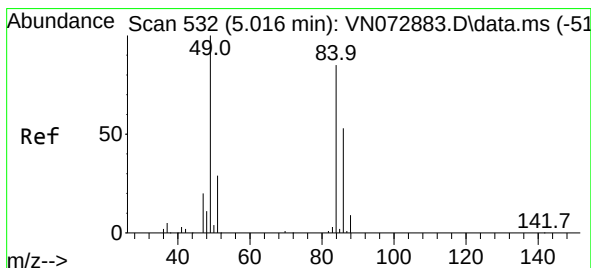
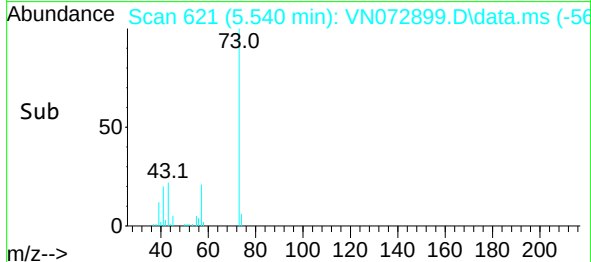
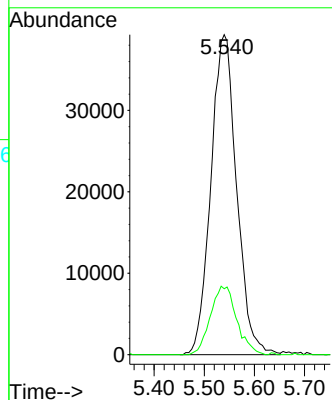
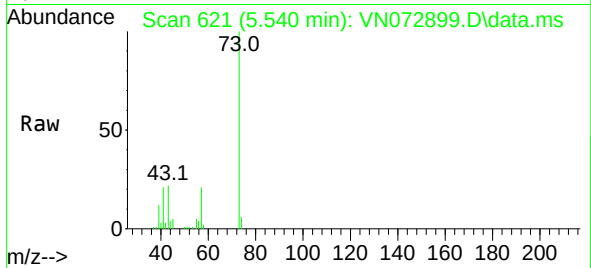




#19
Methyl tert-butyl Ether
Concen: 6.723 ug/l
RT: 5.540 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

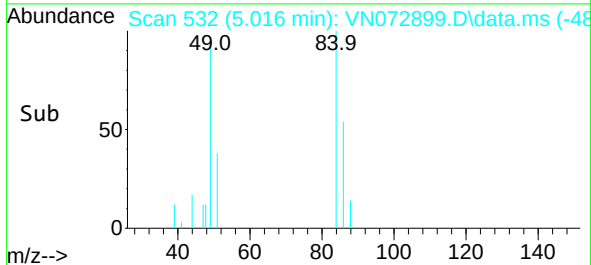
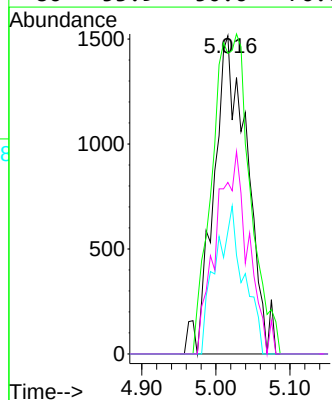
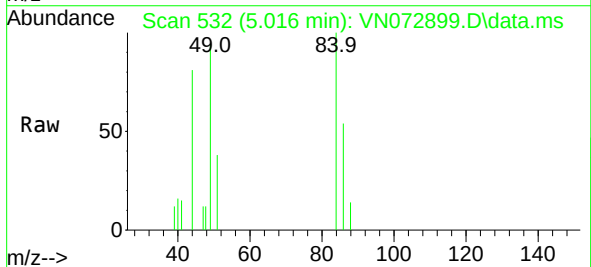
Instrument :
MSVOA_N
ClientSampleId :

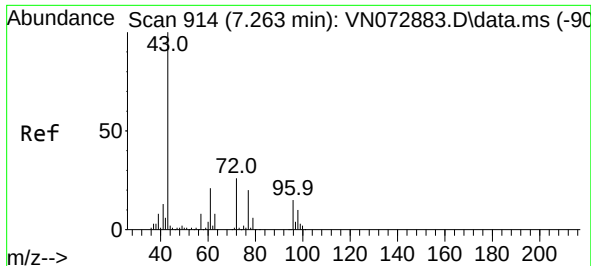
Tgt Ion: 73 Resp: 140276
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4



#20
Methylene Chloride
Concen: 0.699 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

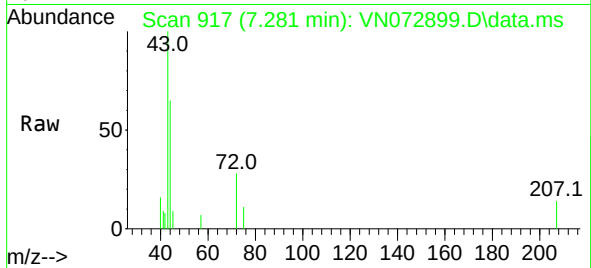
Tgt Ion: 84 Resp: 4771
Ion Ratio Lower Upper
84 100
49 94.5 88.3 132.5
51 38.5 28.2 42.2
86 53.9 50.6 76.0



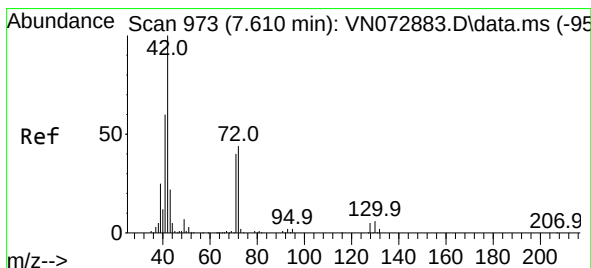
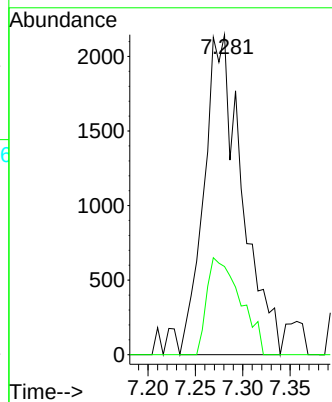
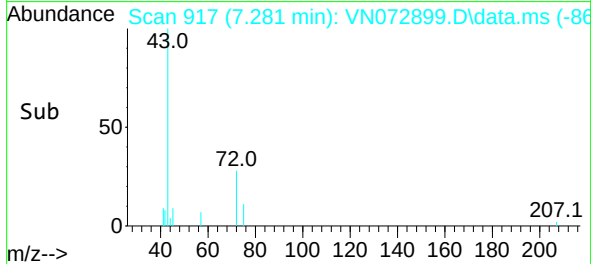


#25
2-Butanone
Concen: 0.985 ug/l
RT: 7.281 min Scan# 914
Delta R.T. 0.018 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Instrument :
MSVOA_N
ClientSampleId :

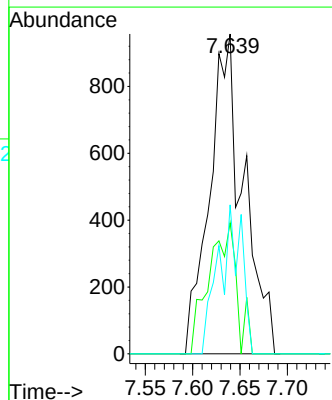
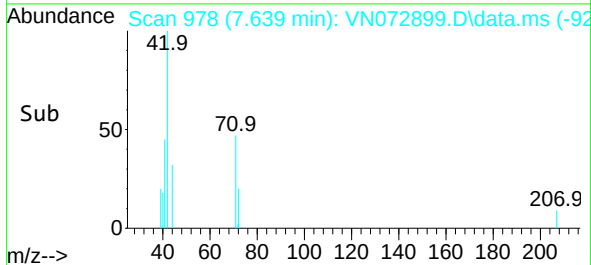
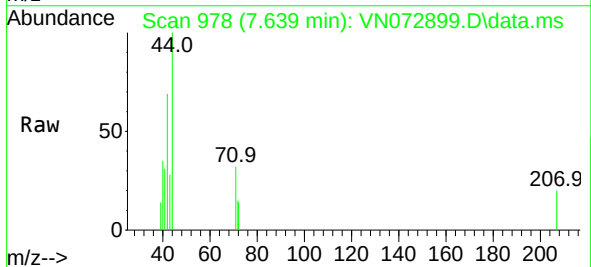


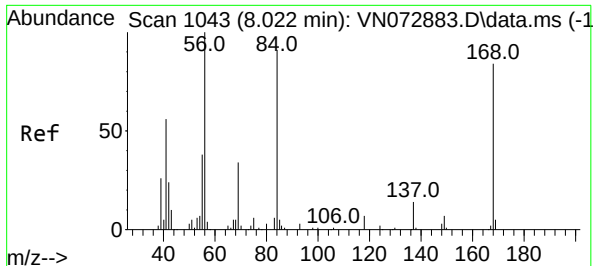
Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
72 27.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.593 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.030 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

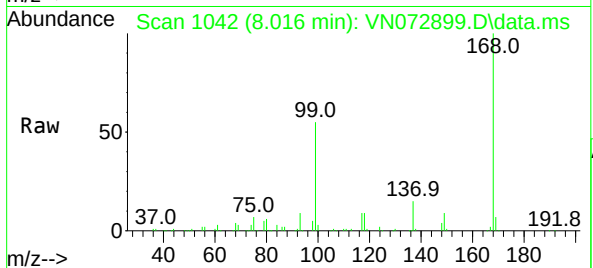
Tgt Ion: 42 Resp: 2386
Ion Ratio Lower Upper
42 100
72 33.7 39.7 59.5#
71 31.3 36.6 55.0#



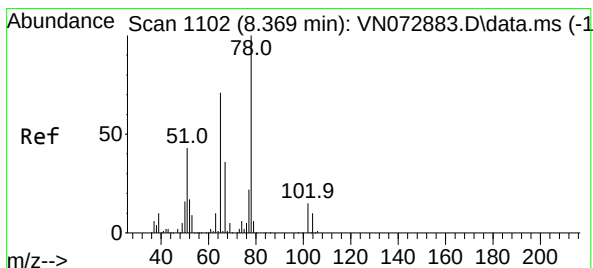
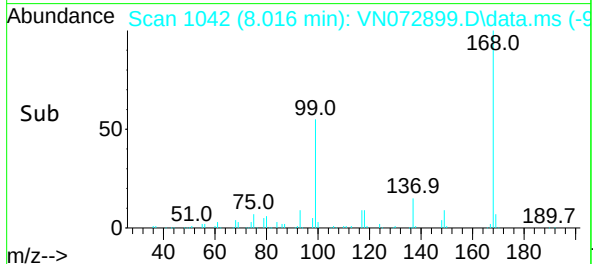
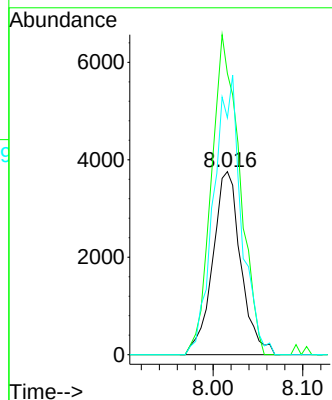


#31
Cyclohexane
Concen: 0.806 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Instrument :
MSVOA_N
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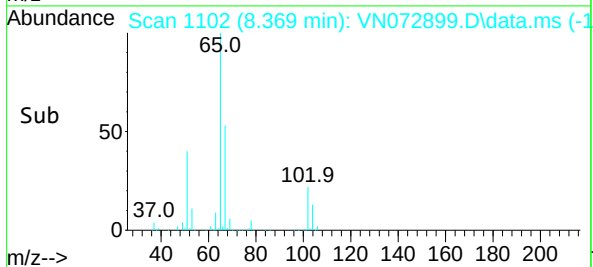
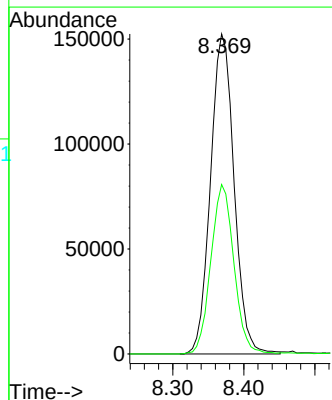
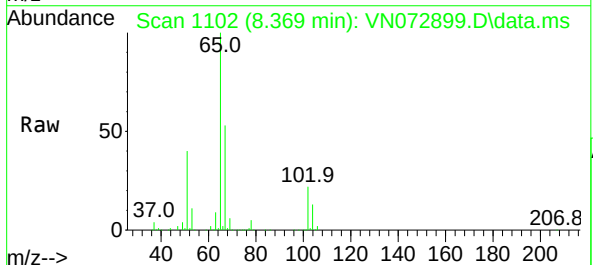


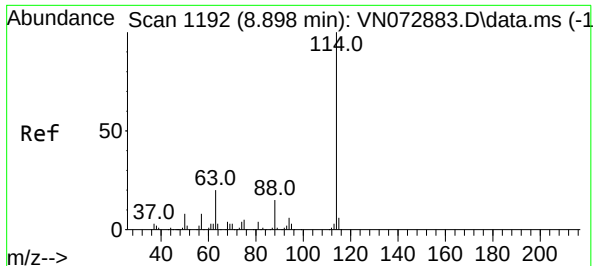
Tgt Ion: 56 Resp: 8164
Ion Ratio Lower Upper
56 100
69 153.6 27.8 41.8#
84 129.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.454 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 65 Resp: 350996
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

Instrument :

MSVOA_N

ClientSampleId :

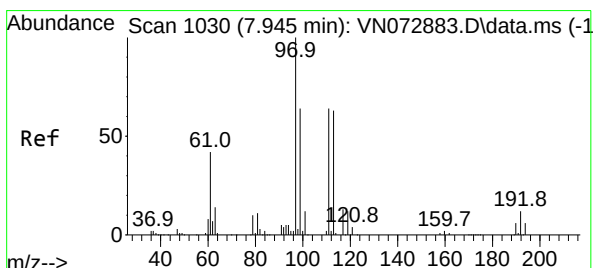
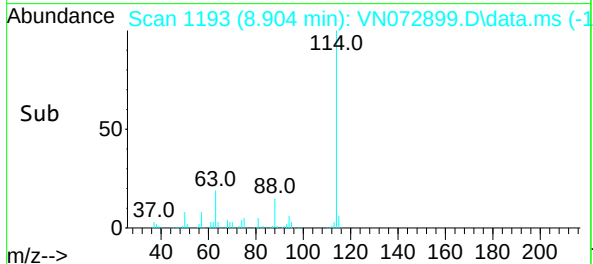
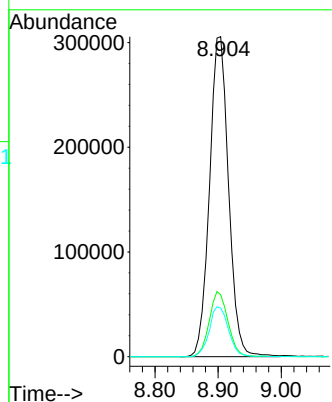
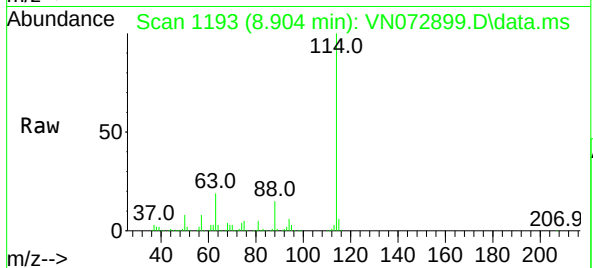
Tgt Ion:114 Resp: 640001

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.113 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

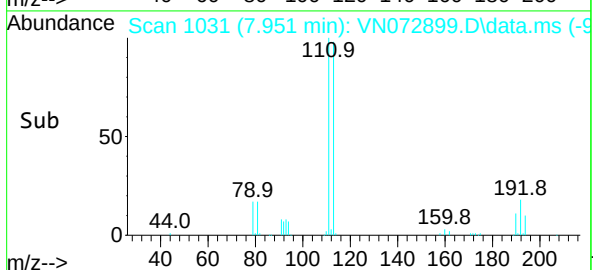
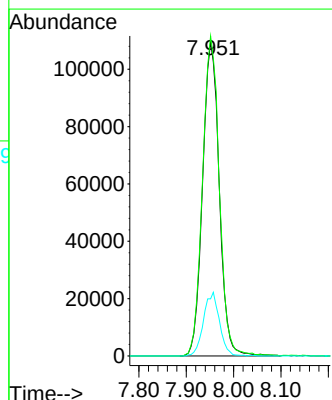
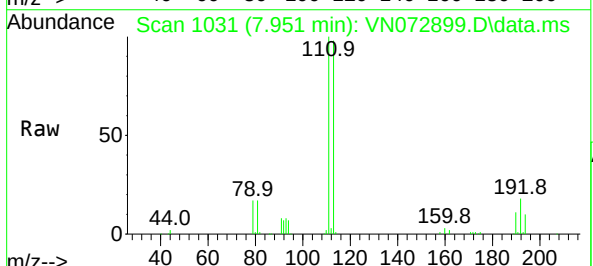
Tgt Ion:113 Resp: 268081

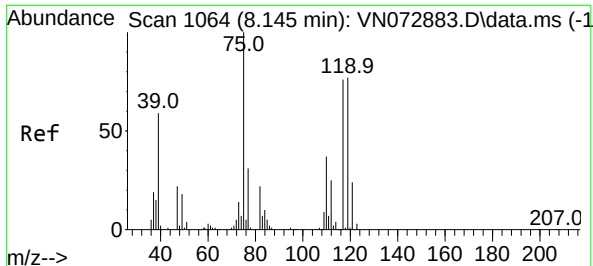
Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 19.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 3.762 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

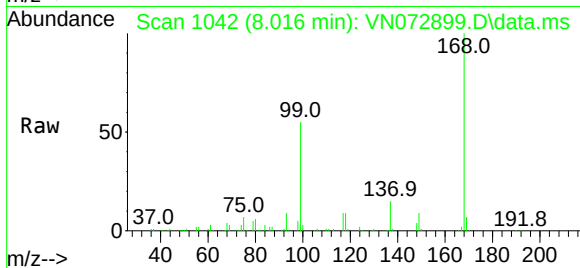
Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

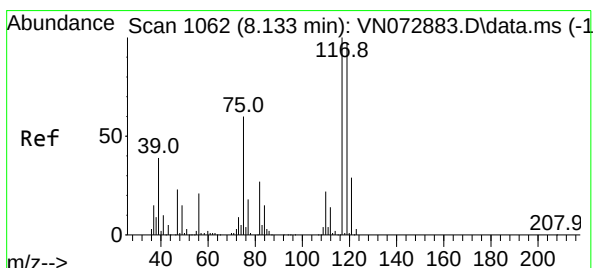
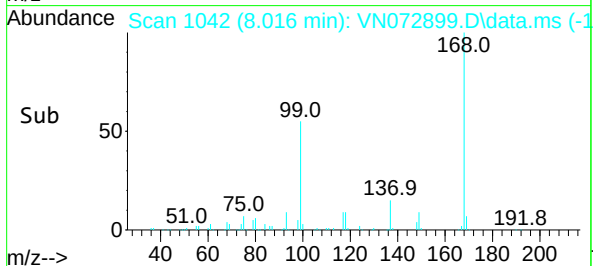
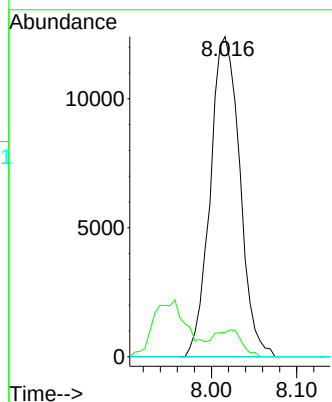
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	29868
Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 4.587 ug/l

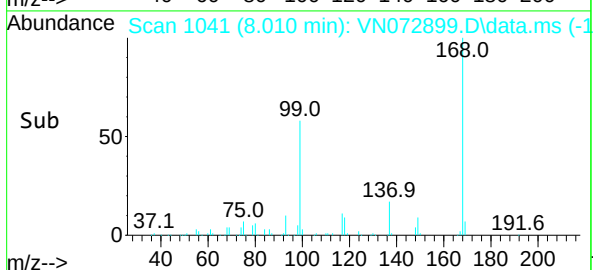
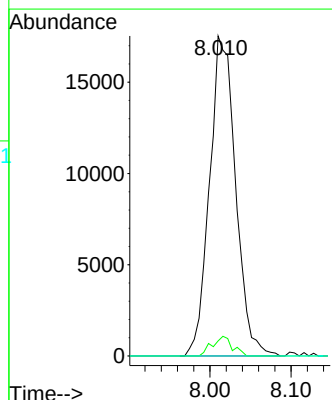
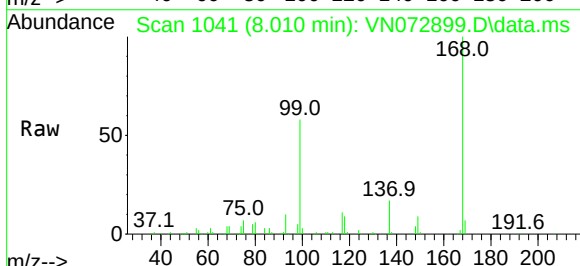
RT: 8.010 min Scan# 1041

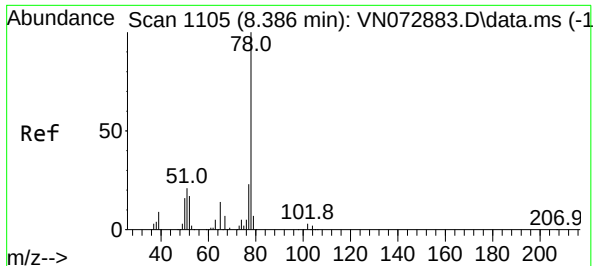
Delta R.T. -0.123 min

Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

Tgt Ion:	117	Resp:	39210
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.8#
121	0.0	24.6	37.0#

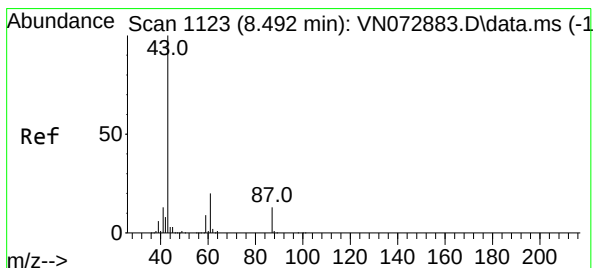
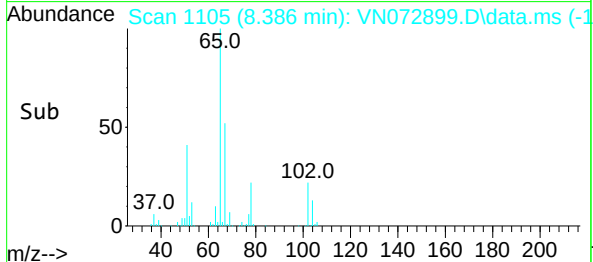
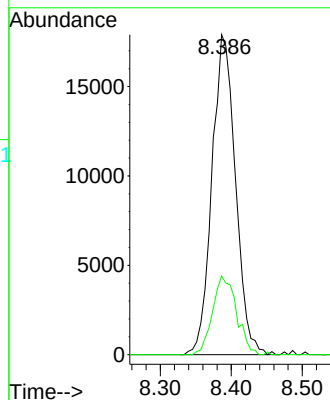
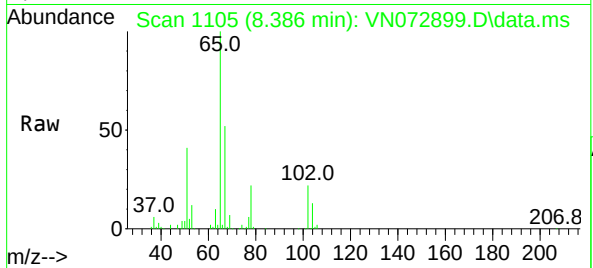




#40
Benzene
Concen: 1.627 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

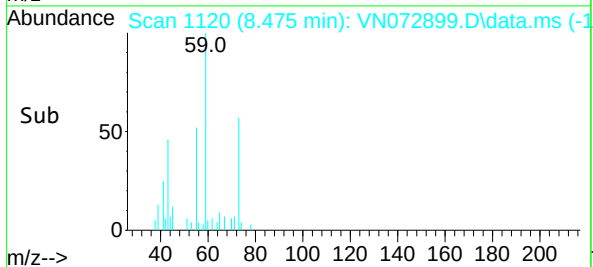
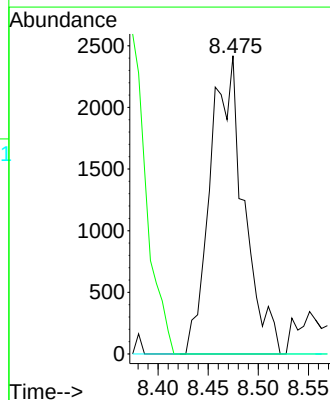
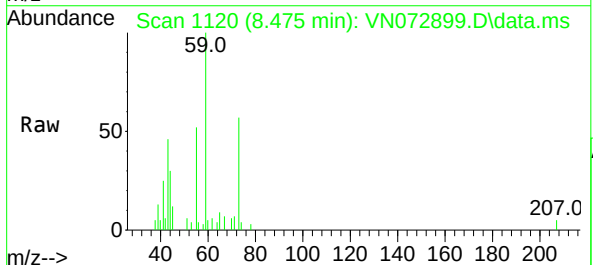
Instrument :
MSVOA_N
ClientSampleId :

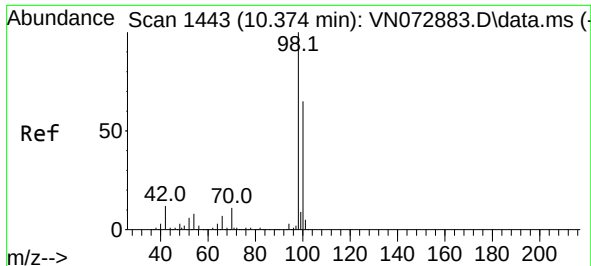
Tgt Ion: 78 Resp: 41164
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.315 ug/l
RT: 8.475 min Scan# 1120
Delta R.T. -0.018 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 43 Resp: 5630
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

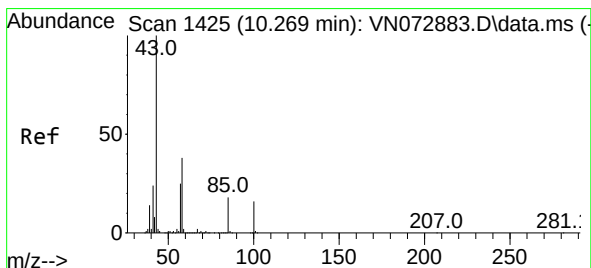
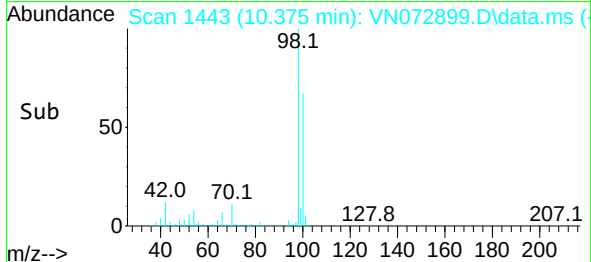
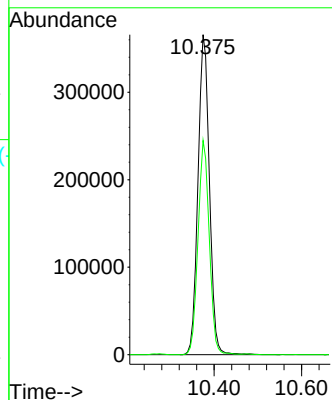
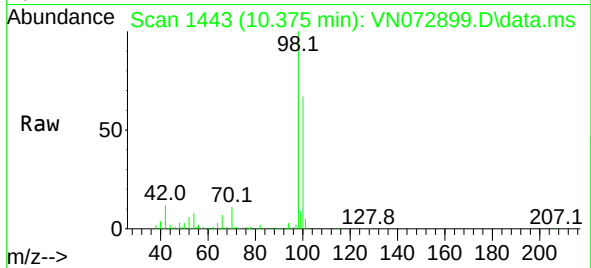




#50
Toluene-d8
Concen: 29.203 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

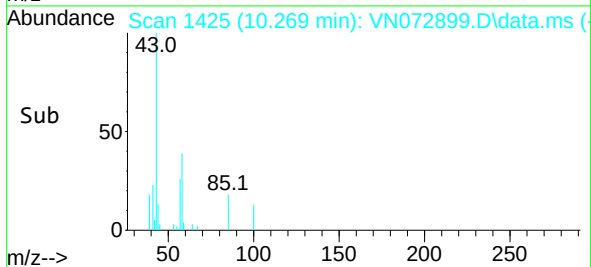
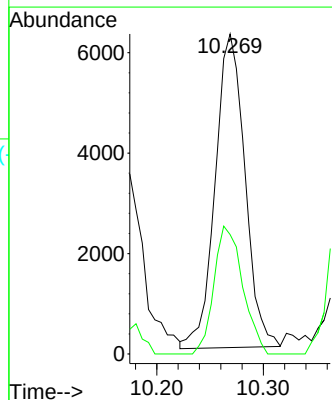
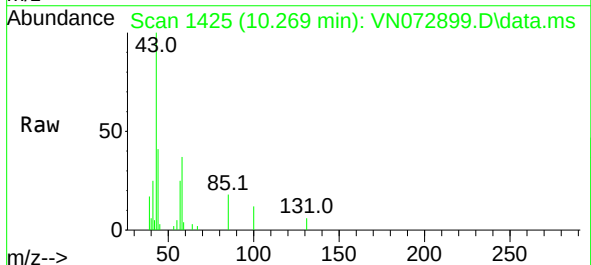
Instrument :
MSVOA_N
ClientSampleId :

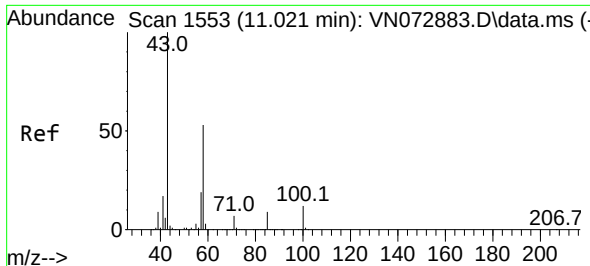
Tgt Ion: 98 Resp: 664542
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.045 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 43 Resp: 12093
Ion Ratio Lower Upper
43 100
58 39.3 34.1 51.1

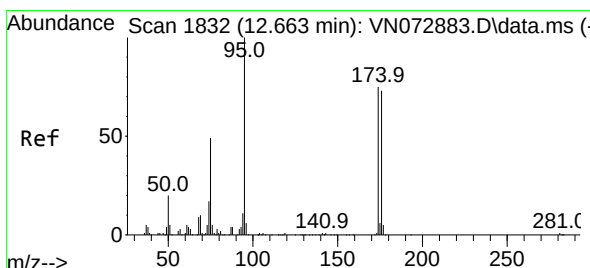
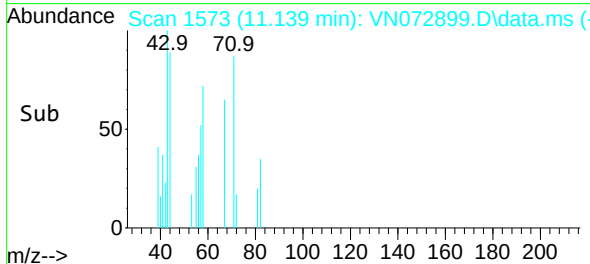
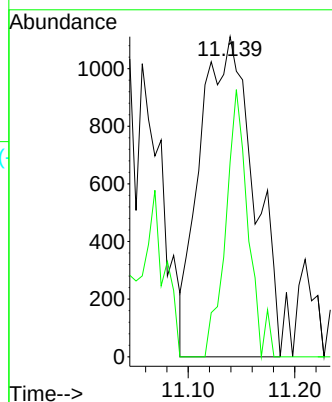
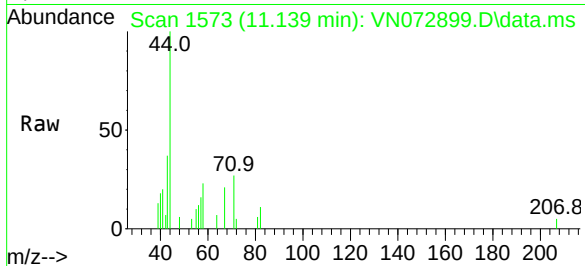




#59
2-Hexanone
Concen: 0.451 ug/l
RT: 11.139 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

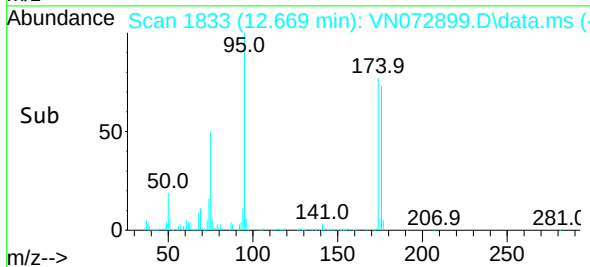
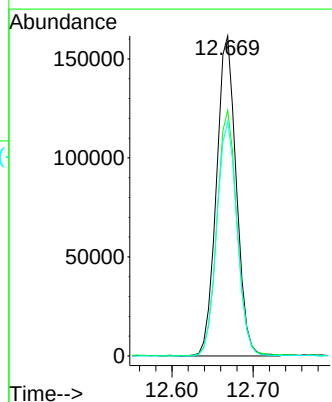
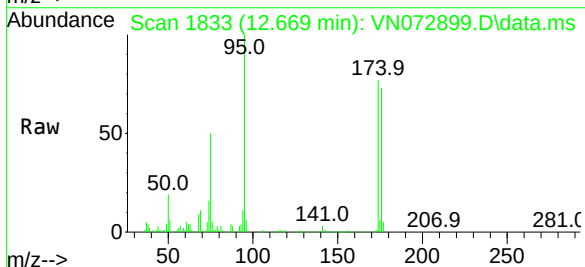
Instrument :
MSVOA_N
ClientSampleId :

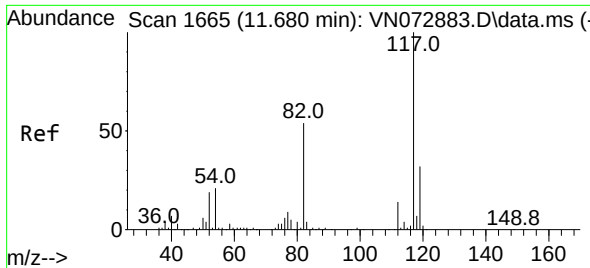
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
58 34.9 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 34.859 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 95 Resp: 275170
Ion Ratio Lower Upper
95 100
174 77.7 0.0 167.6
176 74.7 0.0 163.4

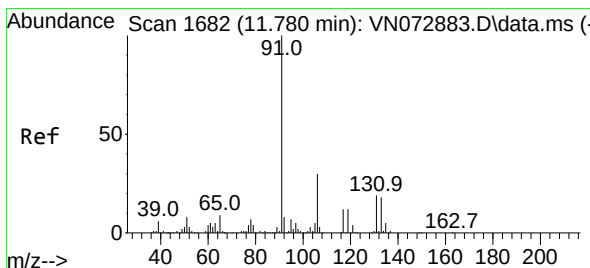
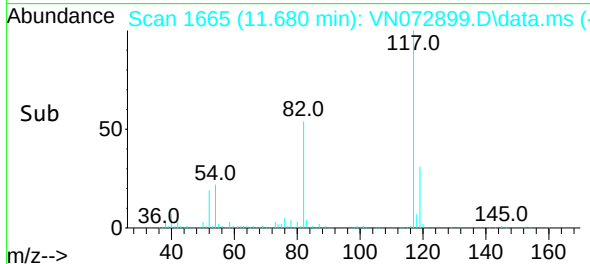
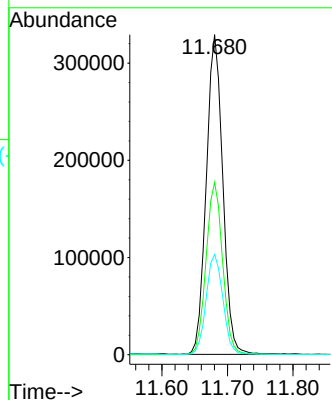
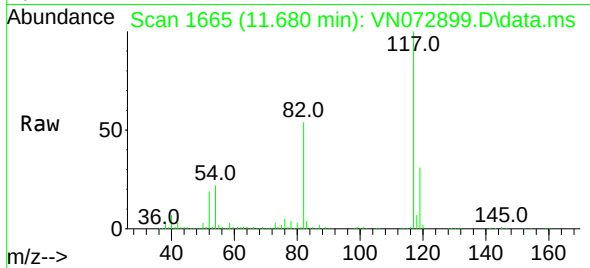




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

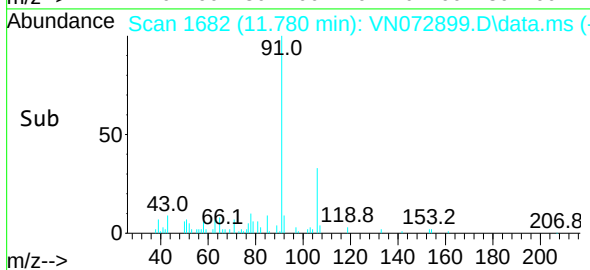
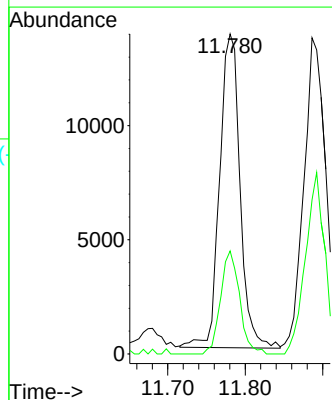
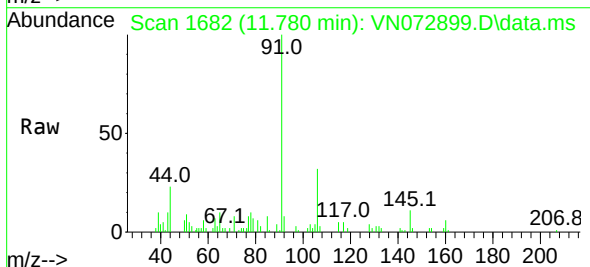
Instrument :
MSVOA_N
ClientSampleId :

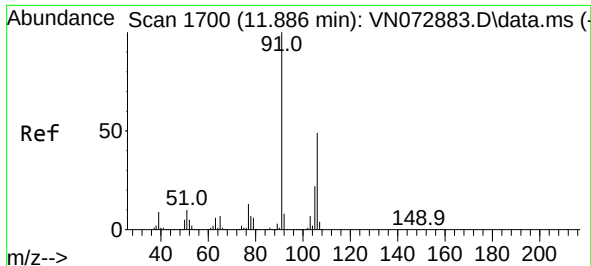
Tgt Ion:117 Resp: 576588
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.3 25.4 38.0



#67
Ethyl Benzene
Concen: 0.938 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion: 91 Resp: 25189
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3

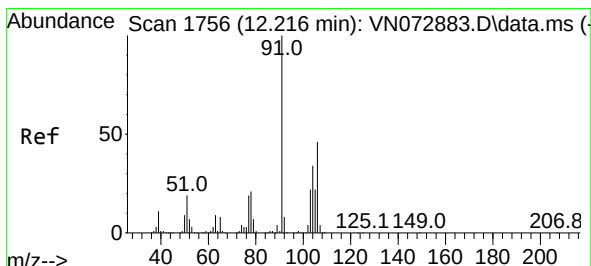
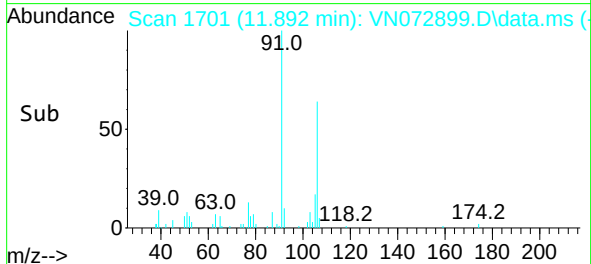
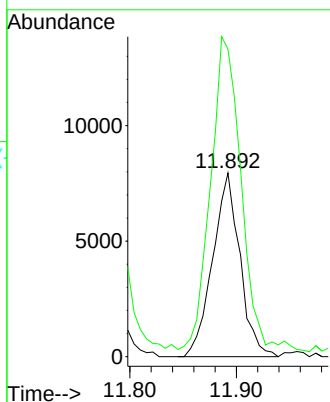
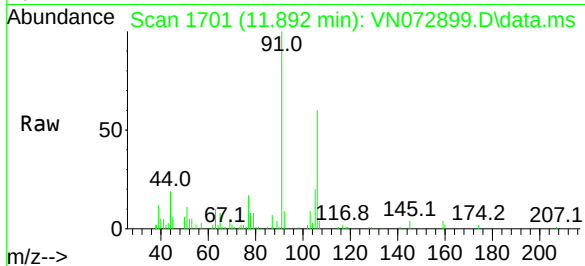




#68
m/p-Xylenes
Concen: 1.368 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

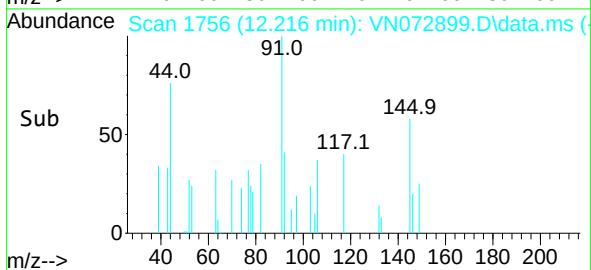
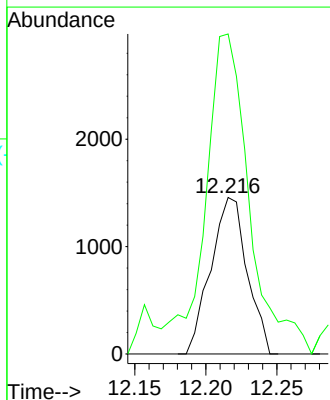
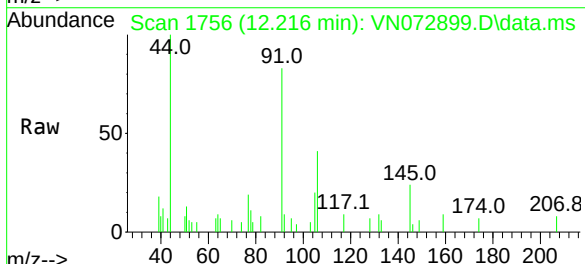
Instrument :
MSVOA_N
ClientSampleId :

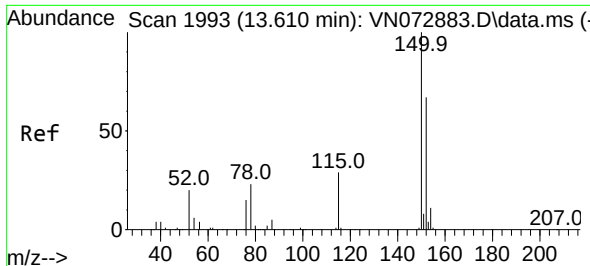
Tgt Ion:106 Resp: 14104
Ion Ratio Lower Upper
106 100
91 193.2 158.9 238.3



#69
o-Xylene
Concen: 0.245 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

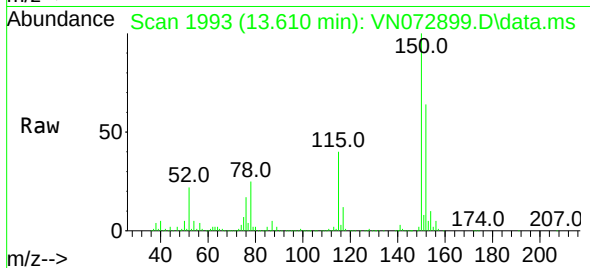
Tgt Ion:106 Resp: 2596
Ion Ratio Lower Upper
106 100
91 247.0 106.0 318.0



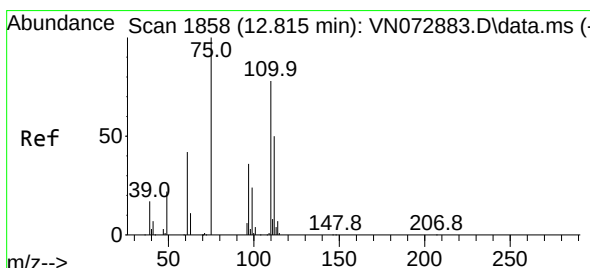
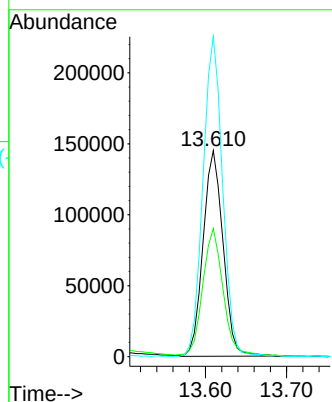
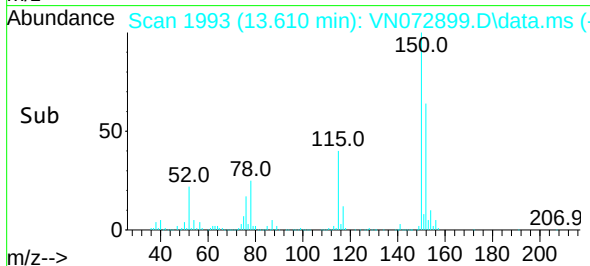


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN072899.D
 Acq: 16 Jun 2022 23:41

Instrument :
 MSVOA_N
 ClientSampleId :

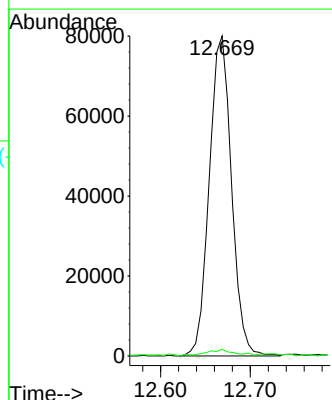
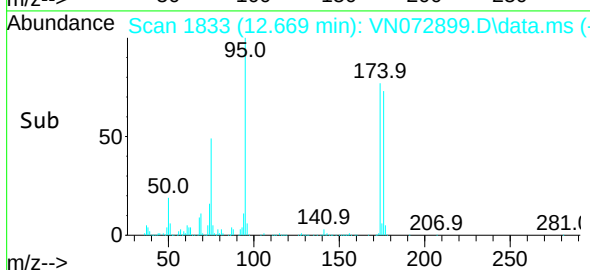
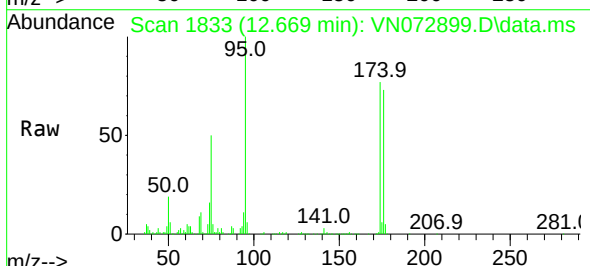


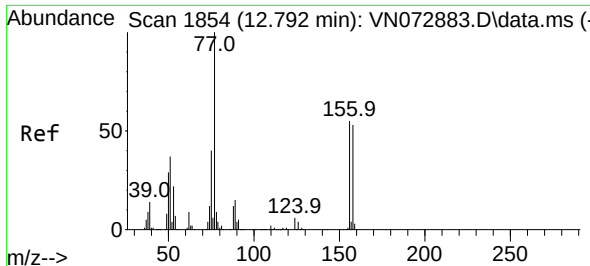
Tgt Ion:152 Resp: 247638
 Ion Ratio Lower Upper
 152 100
 115 63.6 28.9 86.7
 150 153.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 18.745 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072899.D
 Acq: 16 Jun 2022 23:41

Tgt Ion: 75 Resp: 137977
 Ion Ratio Lower Upper
 75 100
 77 2.7 98.5 295.5#

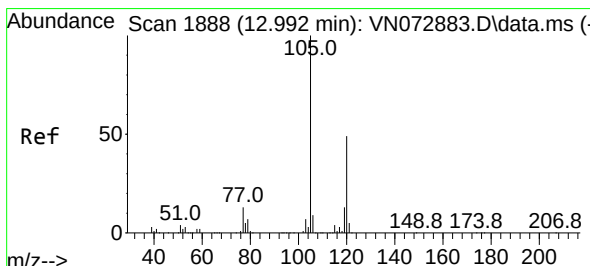
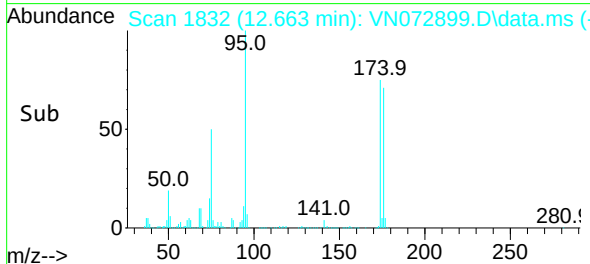
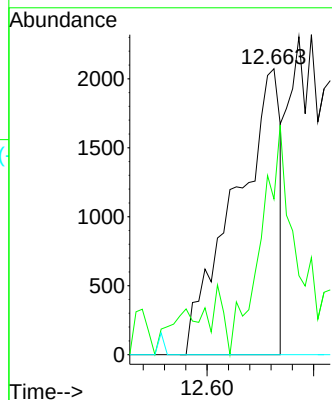
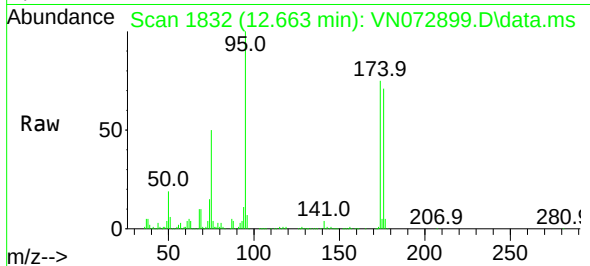




#77
Bromobenzene
Concen: 1.103 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.129 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

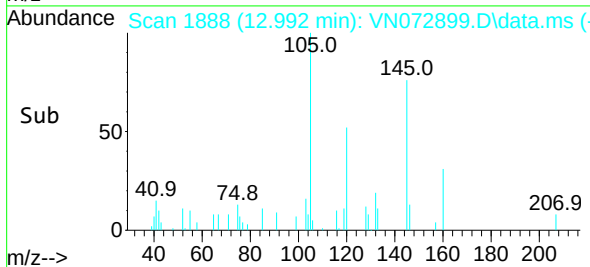
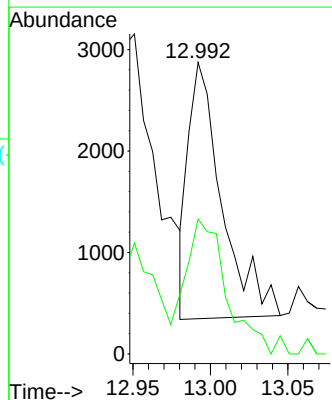
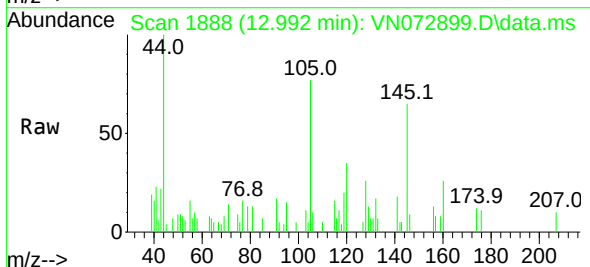
Instrument :
MSVOA_N
ClientSampleId :

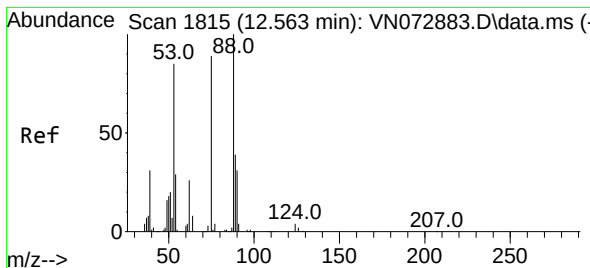
Tgt Ion:156 Resp: 6090
Ion Ratio Lower Upper
156 100
77 60.6 100.5 301.5#
158 0.0 48.9 146.6#



#80
1,3,5-Trimethylbenzene
Concen: 0.201 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. 0.000 min
Lab File: VN072899.D
Acq: 16 Jun 2022 23:41

Tgt Ion:105 Resp: 3797
Ion Ratio Lower Upper
105 100
120 65.4 24.9 74.7

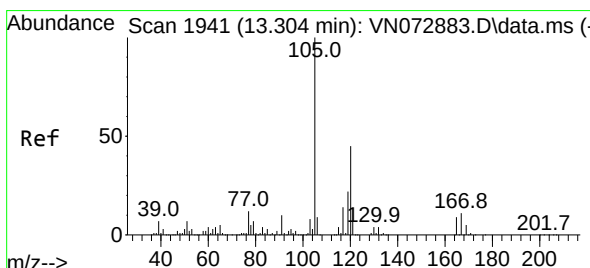
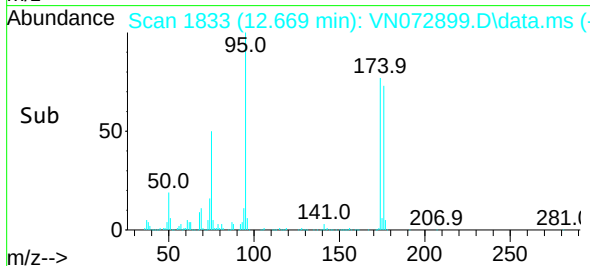
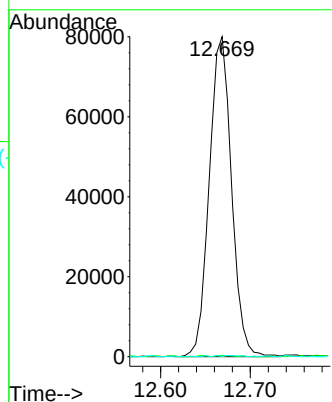
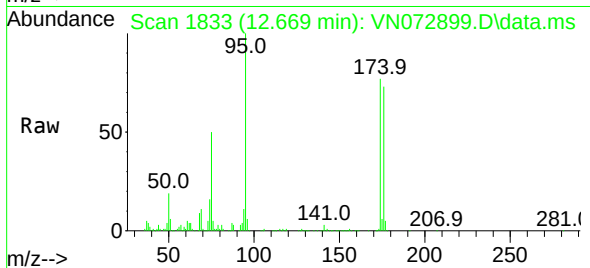




#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.389 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN072899.D
 Acq: 16 Jun 2022 23:41

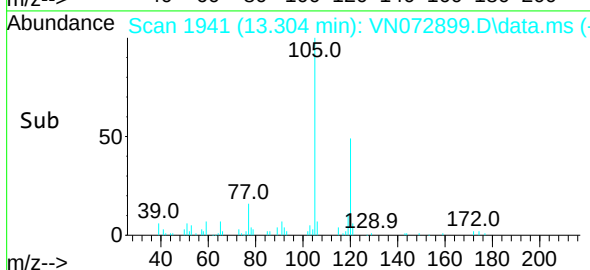
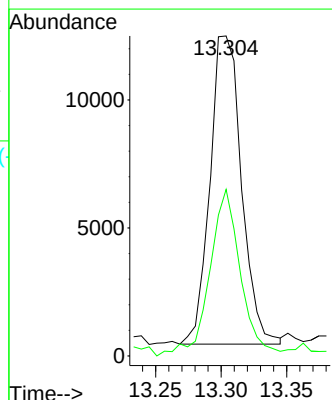
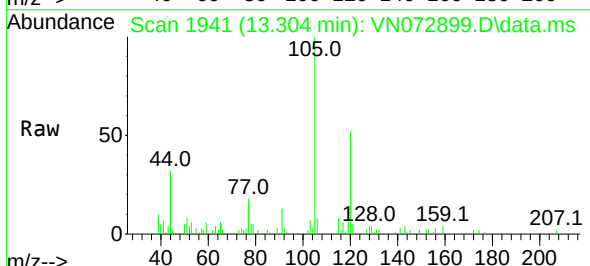
Instrument :
 MSVOA_N
 ClientSampleId :

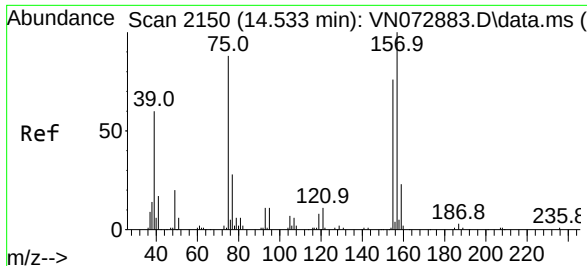
Tgt Ion: 75 Resp: 137977
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.0 117.0#
 89 0.2 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.109 ug/l
 RT: 13.304 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: VN072899.D
 Acq: 16 Jun 2022 23:41

Tgt Ion: 105 Resp: 20170
 Ion Ratio Lower Upper
 105 100
 120 52.6 23.3 69.8





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.539 min Scan# 2150

Delta R.T. 0.006 min

Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

Instrument :

MSVOA_N

ClientSampleId :

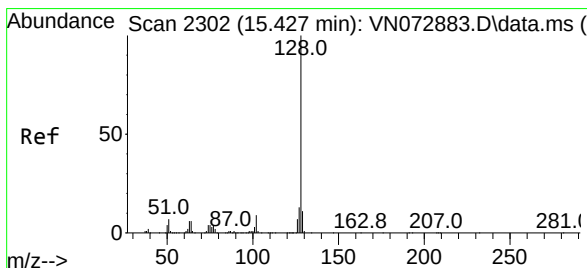
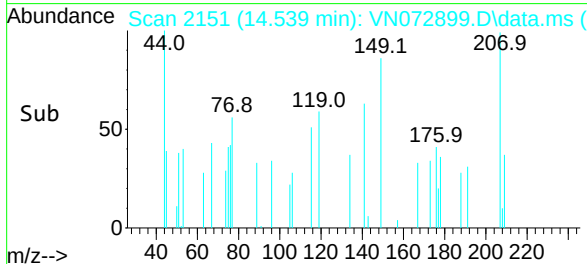
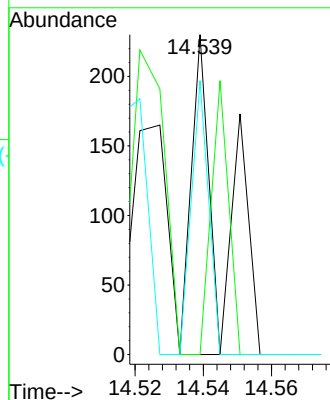
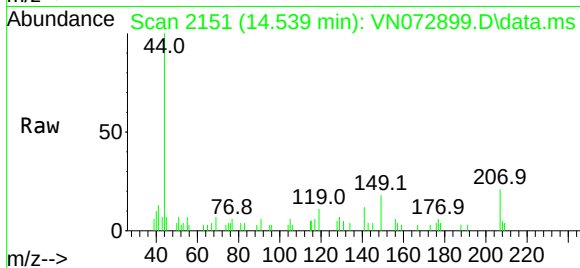
Tgt Ion: 75 Resp: 142

Ion Ratio Lower Upper

75 100

155 48.6 44.9 134.5

157 48.6 59.0 176.8#



#95

Naphthalene

Concen: 9.412 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN072899.D

Acq: 16 Jun 2022 23:41

Tgt Ion:128 Resp: 147669

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 12.3 8.6 13.0

