

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073007.D
 Acq On : 22 Jun 2022 06:30
 Operator : JC\MD
 Sample : N3381-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-10

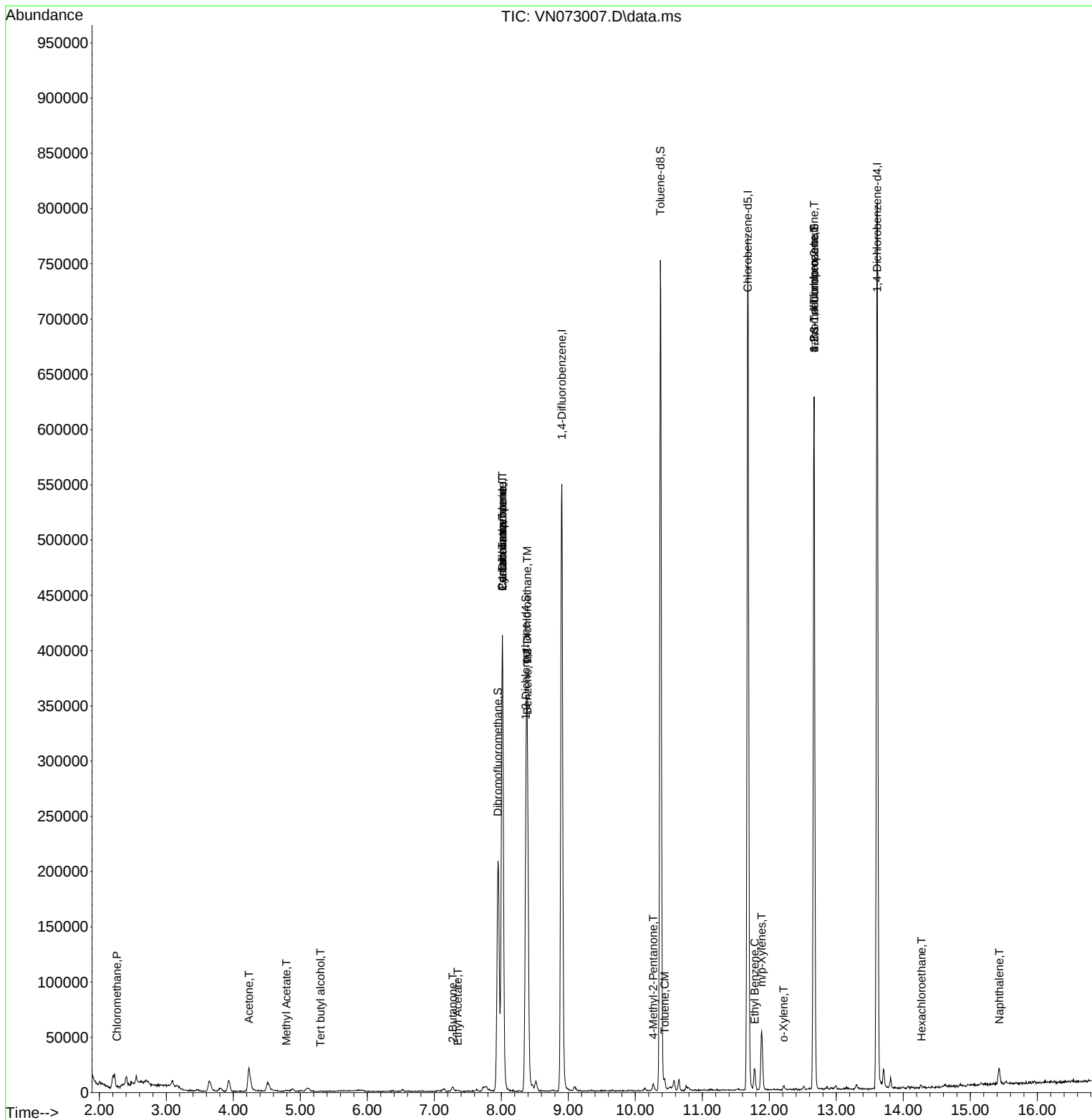
Quant Time: Jun 22 07:05:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

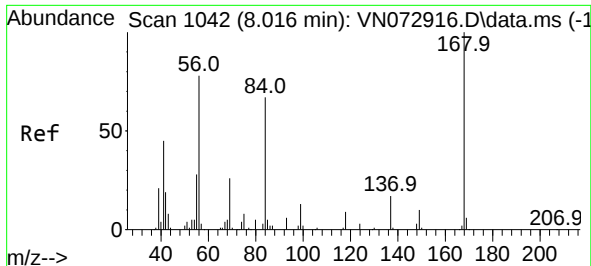
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	305471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	490535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	444177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	217258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	181705	43.998	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.000%		
35) Dibromofluoromethane	7.951	113	157081	51.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.620%		
50) Toluene-d8	10.374	98	507461	44.980	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.668	95	219079	54.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	438	0.708	ug/l #	43
11) Tert butyl alcohol	5.304	59	311	0.292	ug/l #	72
16) Acetone	4.234	43	40011	17.625	ug/l	99
18) Methyl Acetate	4.792	43	1878	0.311	ug/l #	48
20) Methylene Chloride	5.022	84	317	Below Cal	#	10
25) 2-Butanone	7.275	43	6958	1.931	ug/l #	87
31) Cyclohexane	8.016	56	7503	1.343	ug/l #	28
36) 1,1-Dichloropropene	8.016	75	25002	6.094	ug/l #	49
37) Ethyl Acetate	7.351	43	2167	0.330	ug/l #	70
38) Carbon Tetrachloride	8.016	117	30526	7.074	ug/l #	17
40) Benzene	8.392	78	237369	18.410	ug/l	96
42) 1,2-Dichloroethane	8.386	62	2378	0.519	ug/l	82
51) 4-Methyl-2-Pentanone	10.269	43	4708	0.770	ug/l #	83
52) Toluene	10.439	92	2951	0.373	ug/l	92
67) Ethyl Benzene	11.780	91	14329	0.938	ug/l	96
68) m/p-Xylenes	11.886	106	18293	3.054	ug/l	99
69) o-Xylene	12.216	106	1440	0.241	ug/l	90
76) 1,2,3-Trichloropropane	12.668	75	111222	21.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	111222	57.024	ug/l #	10
90) Hexachloroethane	14.274	117	1908	0.741	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.680	75	61	Below Cal	#	1
95) Naphthalene	15.433	128	15225	0.907	ug/l #	96

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

Quant Time: Jun 22 07:05:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

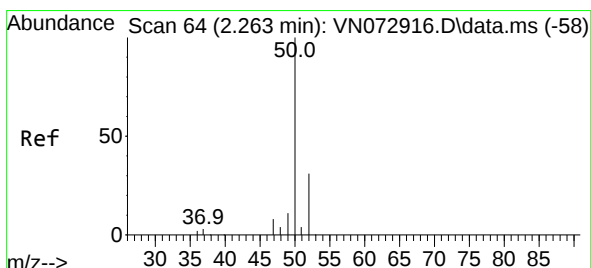
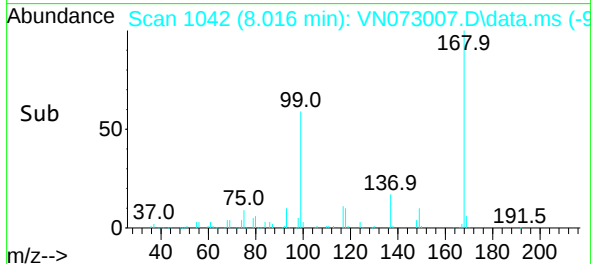
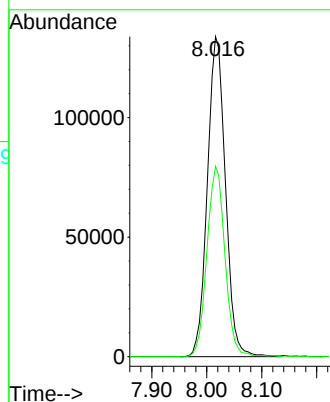
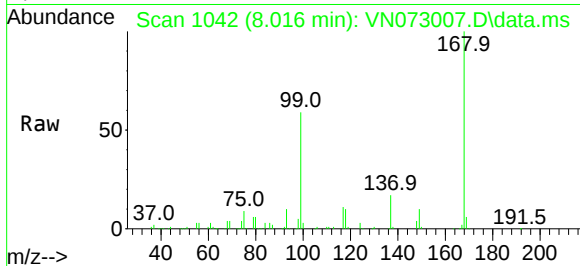




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

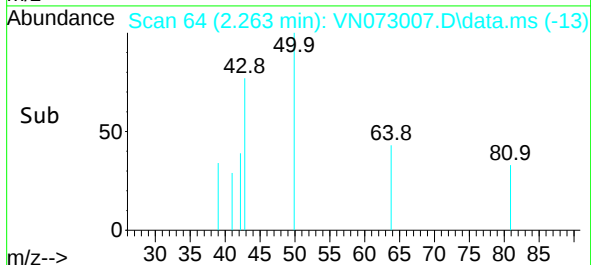
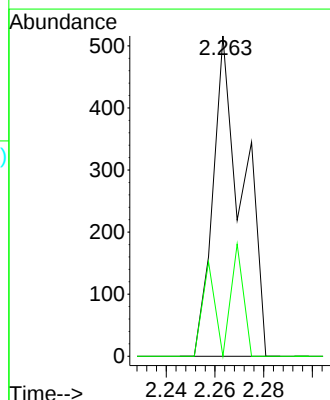
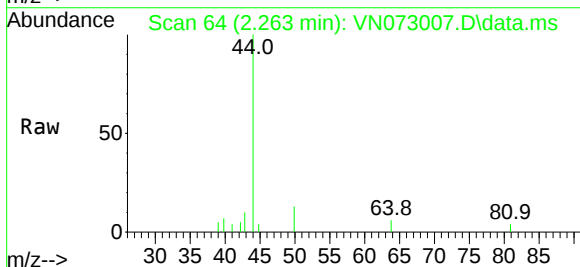
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

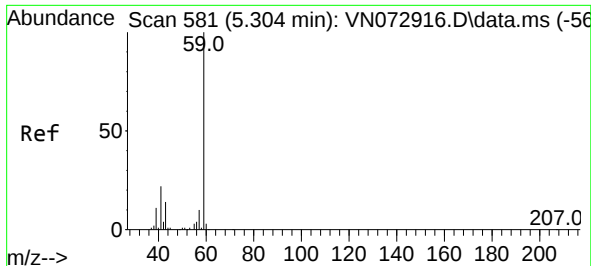
Tgt Ion:168 Resp: 305471
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#3
Chloromethane
Concen: 0.708 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

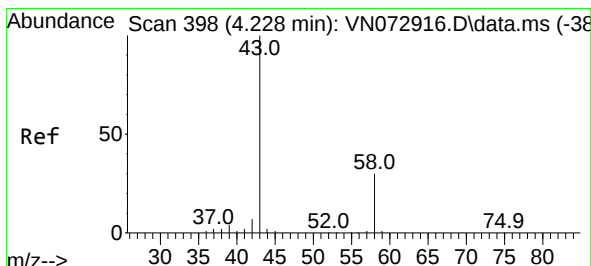
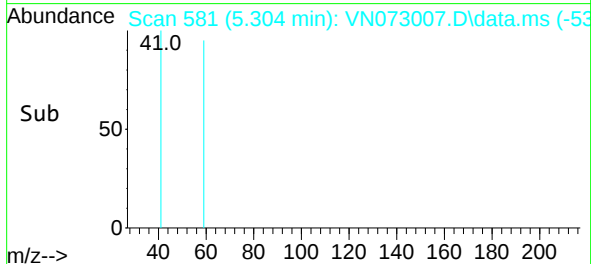
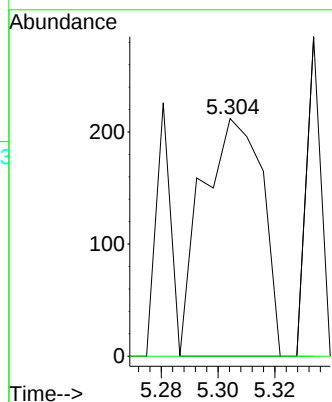
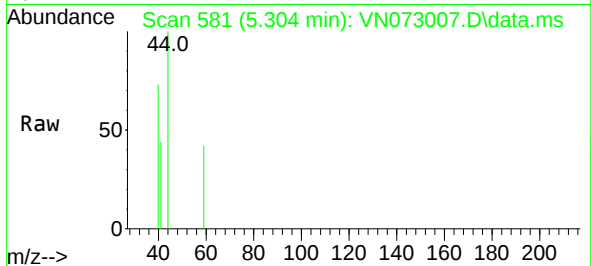




#11
Tert butyl alcohol
Concen: 0.292 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

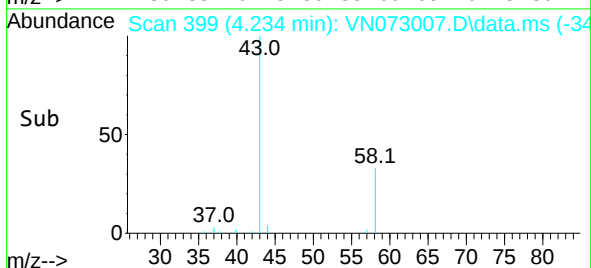
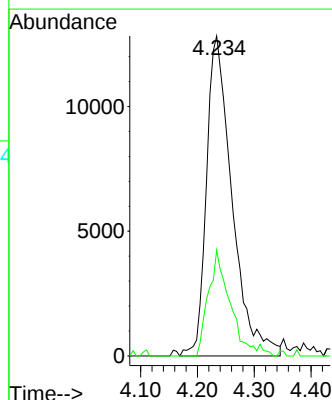
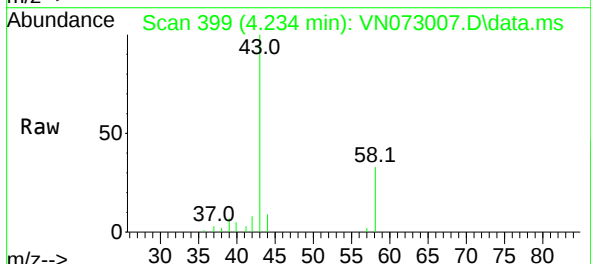
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

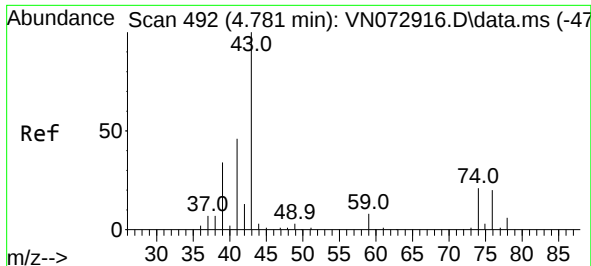
Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 17.625 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 43 Resp: 40011
Ion Ratio Lower Upper
43 100
58 33.1 26.0 39.0

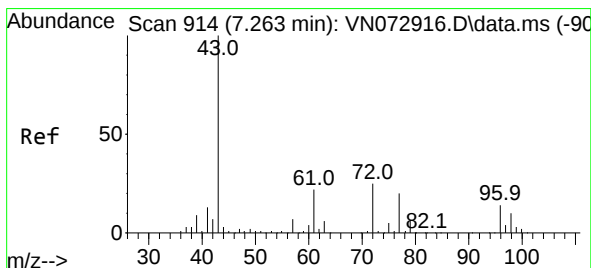
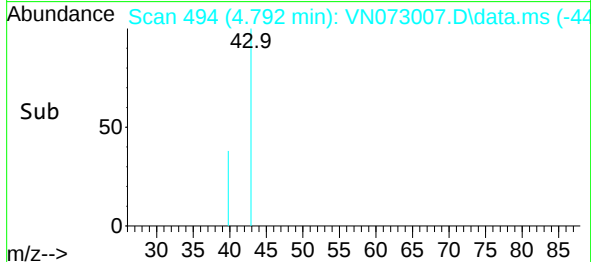
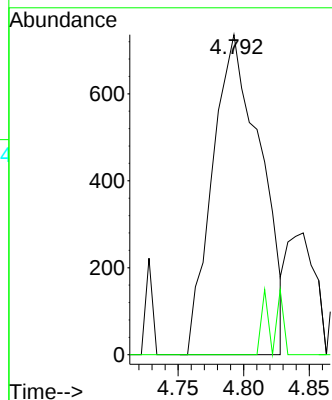
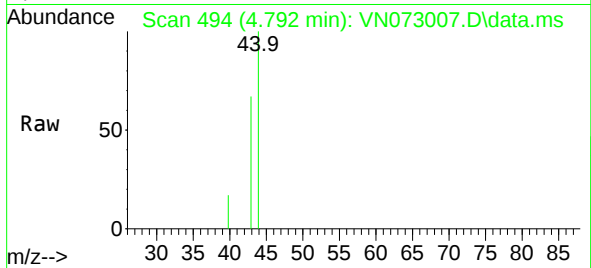




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 4.792 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

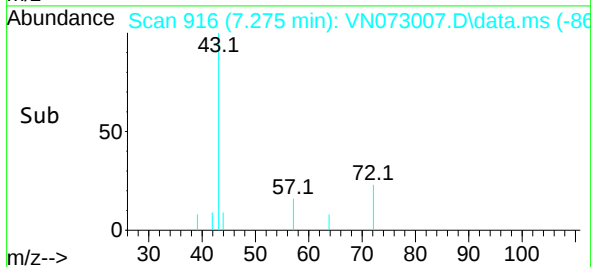
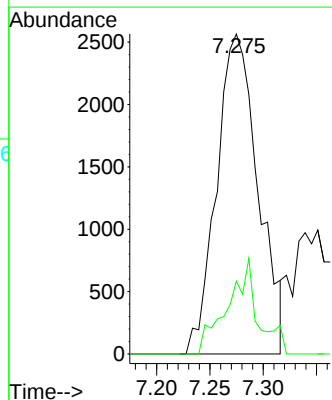
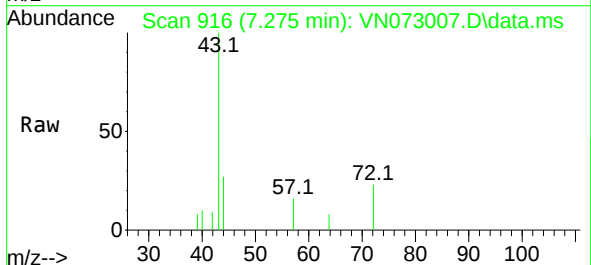
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MSVOA_N
ClientSampleId :
PZ-10

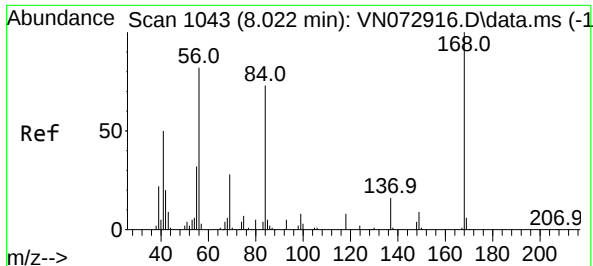
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 1.931 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 43 Resp: 6958
Ion Ratio Lower Upper
43 100
72 22.8 23.7 35.5#

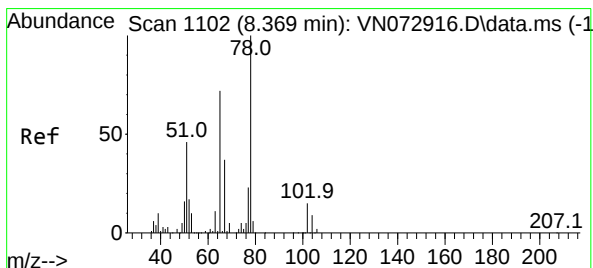
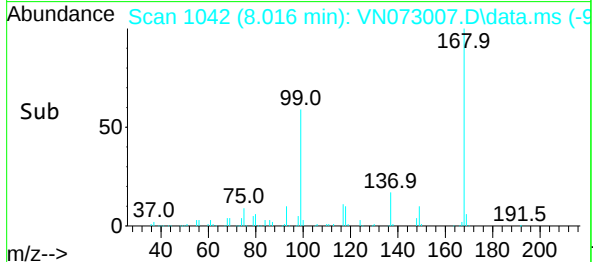
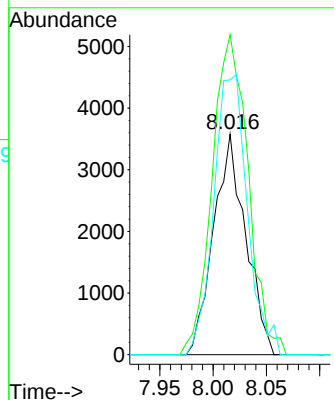
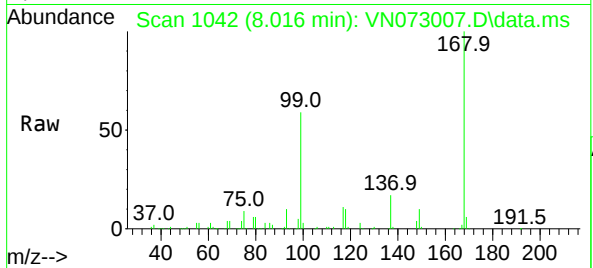




#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

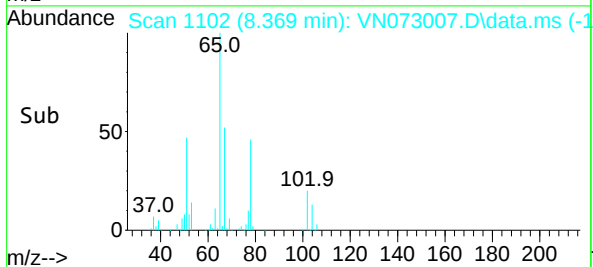
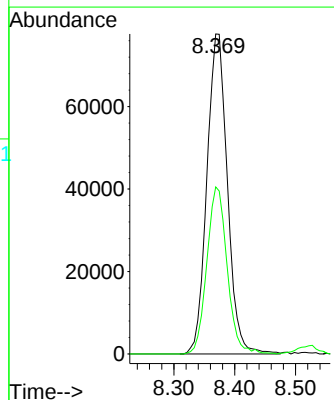
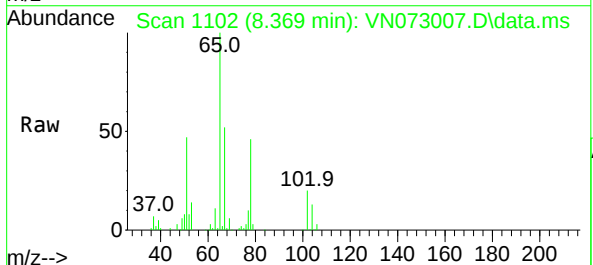
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

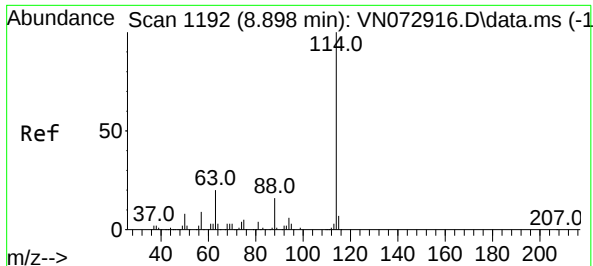
Tgt Ion: 56 Resp: 7503
Ion Ratio Lower Upper
56 100
69 145.2 27.8 41.8#
84 124.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.998 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 65 Resp: 181705
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# 11

Delta R.T. 0.006 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

Instrument :

MSVOA_N

ClientSampleId :

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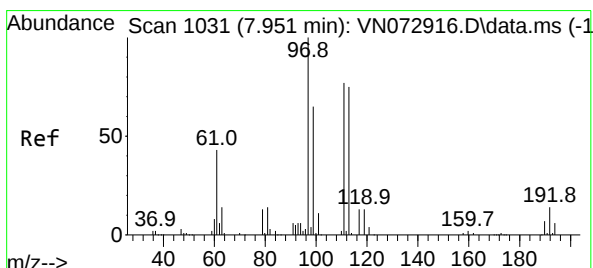
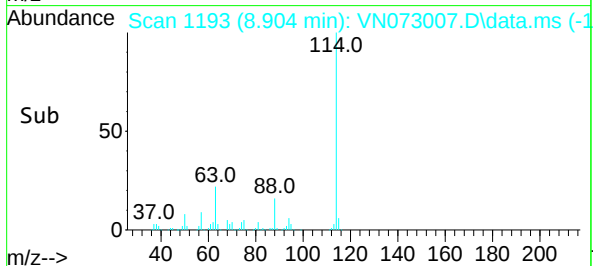
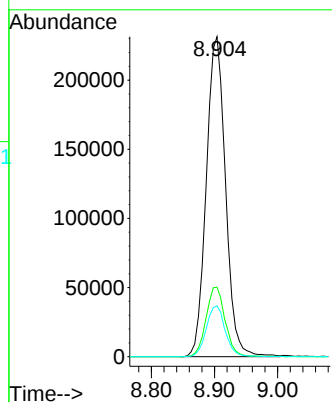
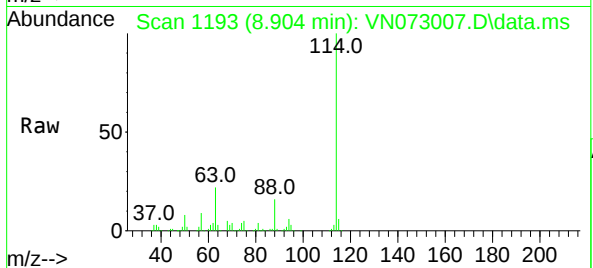
Tgt Ion:114 Resp: 490535

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.809 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

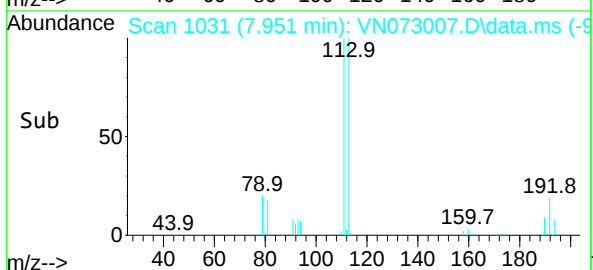
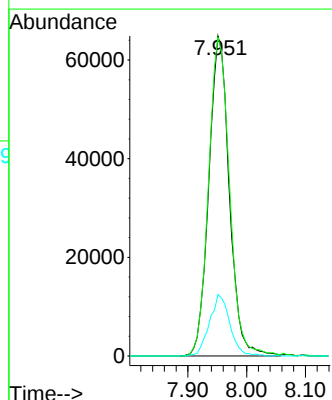
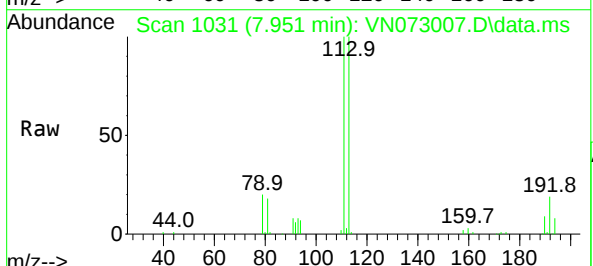
Tgt Ion:113 Resp: 157081

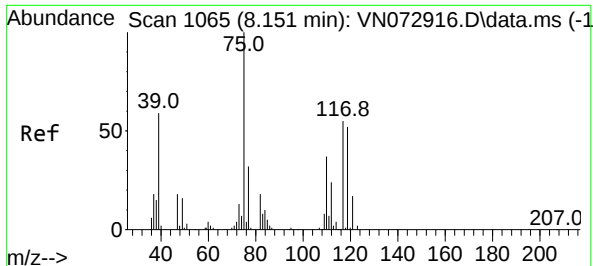
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.094 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

Instrument :

MSVOA_N

ClientSampleId :

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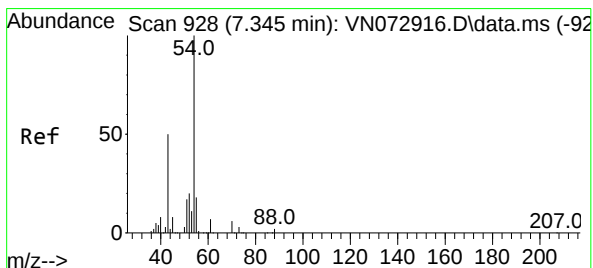
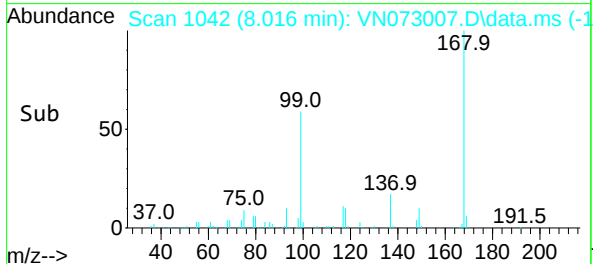
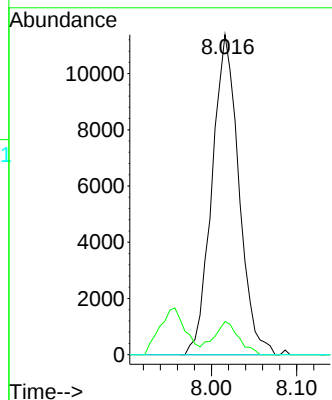
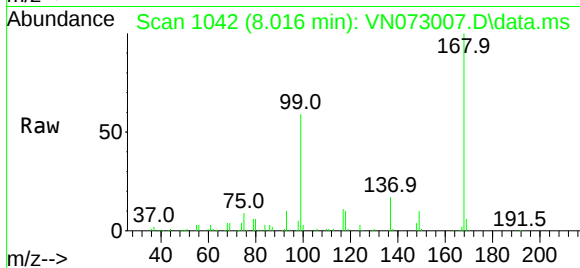
Tgt Ion: 75 Resp: 25002

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.330 ug/l

RT: 7.351 min Scan# 929

Delta R.T. 0.006 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

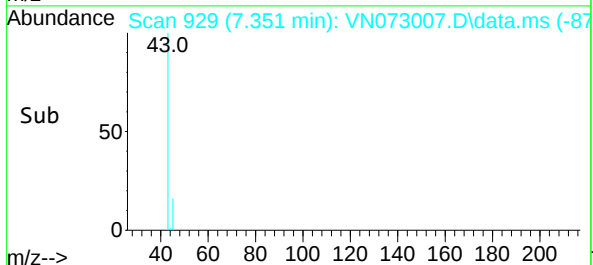
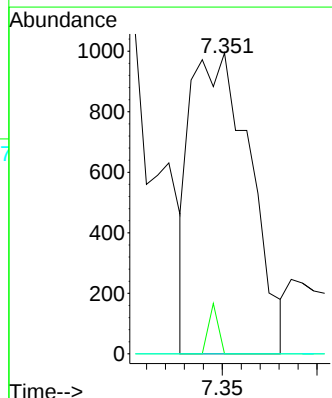
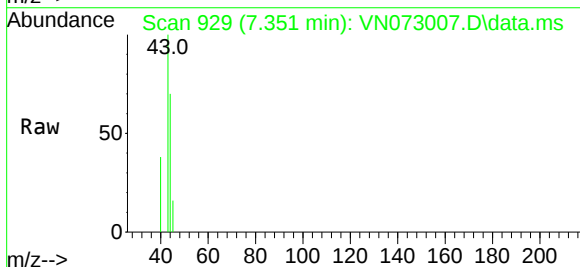
Tgt Ion: 43 Resp: 2167

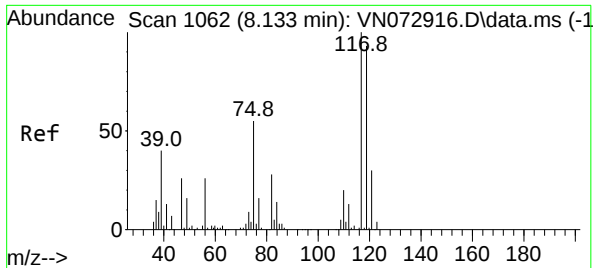
Ion Ratio Lower Upper

43 100

61 2.7 11.8 17.6#

70 0.0 9.3 13.9#

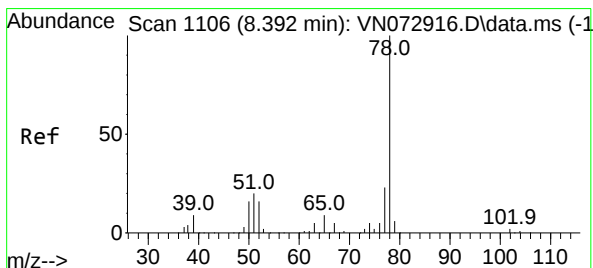
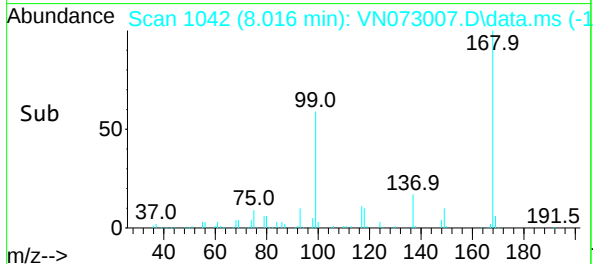
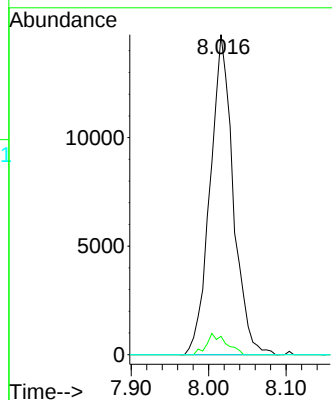
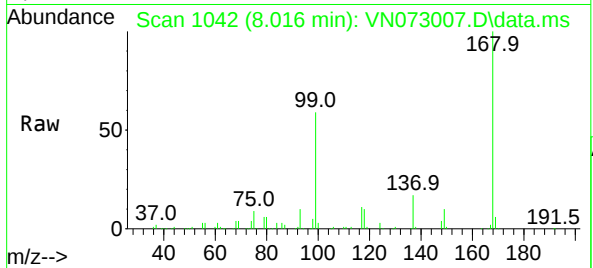




#38
Carbon Tetrachloride
Concen: 7.074 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

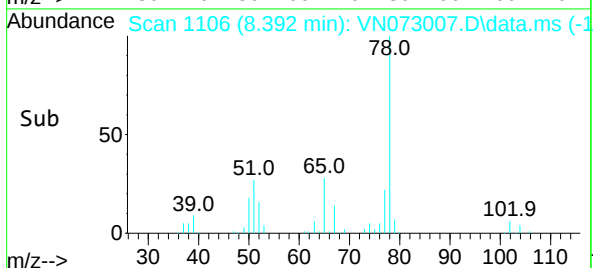
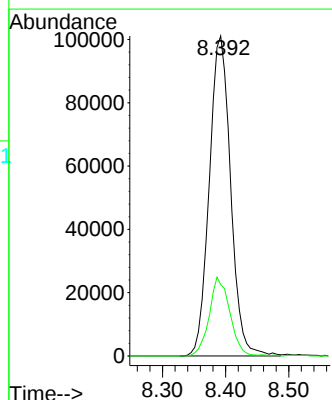
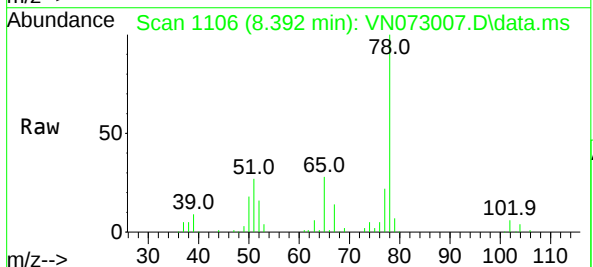
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

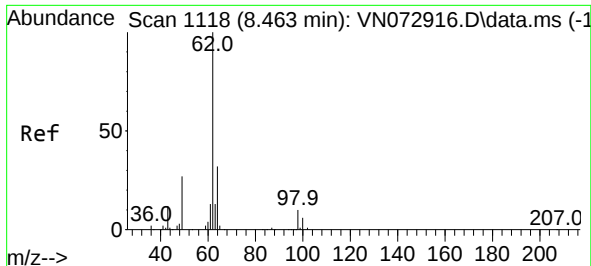
Tgt Ion:117 Resp: 30526
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 18.410 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 78 Resp: 237369
Ion Ratio Lower Upper
78 100
77 22.3 19.4 29.0





#42

1,2-Dichloroethane

Concen: 0.519 ug/l

RT: 8.386 min Scan# 1118

Delta R.T. -0.076 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

Instrument :

MSVOA_N

ClientSampleId :

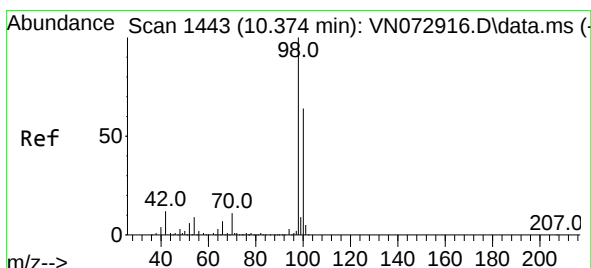
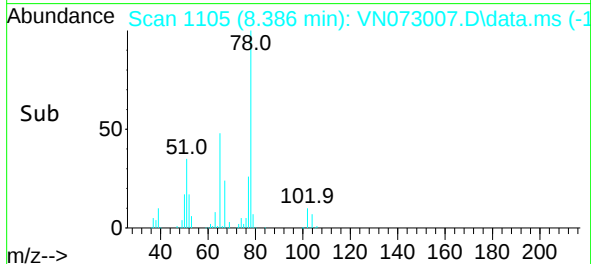
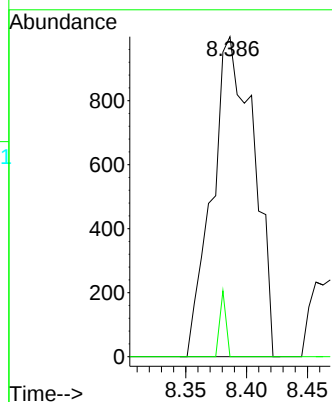
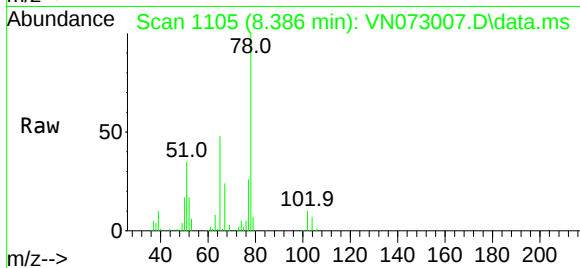
PZ-10

Tgt Ion: 62 Resp: 2378

Ion Ratio Lower Upper

62 100

98 3.1 0.0 19.4



#50

Toluene-d8

Concen: 44.980 ug/l

RT: 10.374 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073007.D

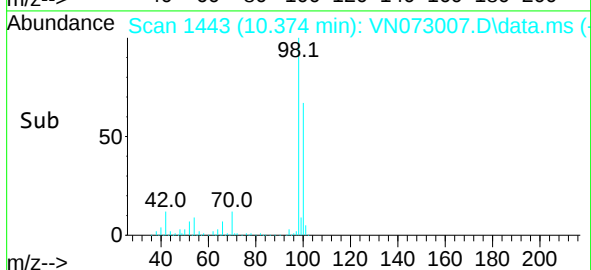
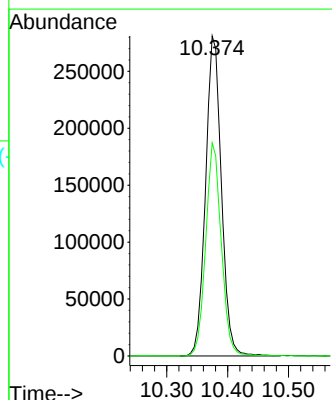
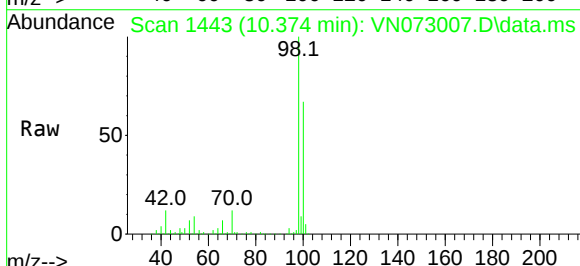
Acq: 22 Jun 2022 06:30

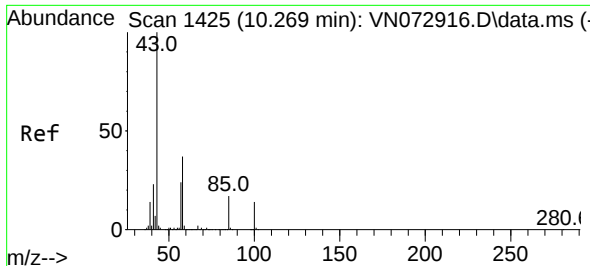
Tgt Ion: 98 Resp: 507461

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.770 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VN073007.D

Acq: 22 Jun 2022 06:30

Instrument :

MSVOA_N

ClientSampleId :

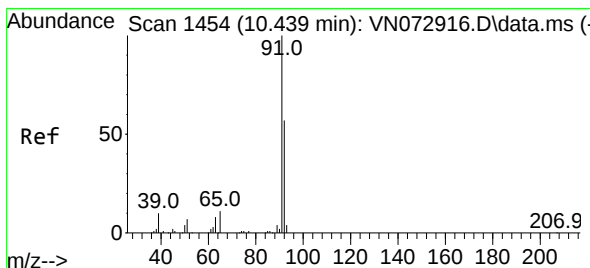
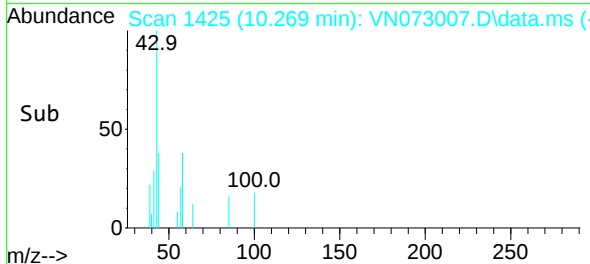
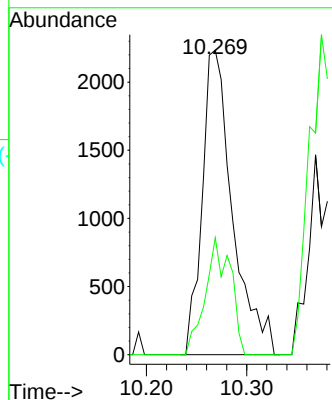
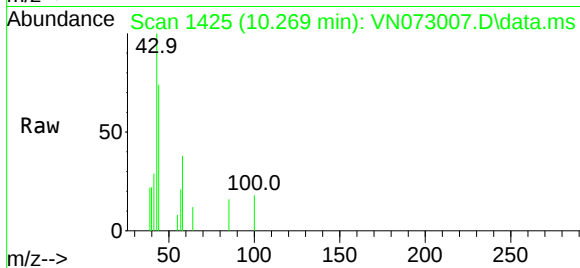
PZ-10

Tgt Ion: 43 Resp: 4708

Ion Ratio Lower Upper

43 100

58 31.9 34.1 51.1#



#52

Toluene

Concen: 0.373 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073007.D

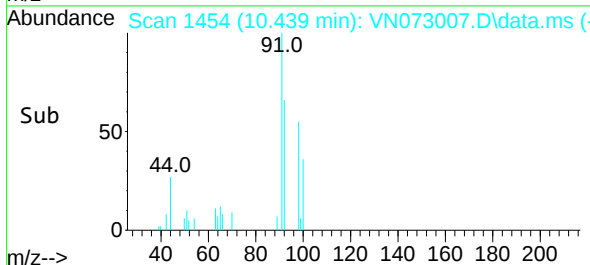
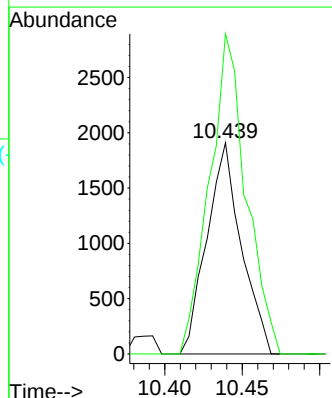
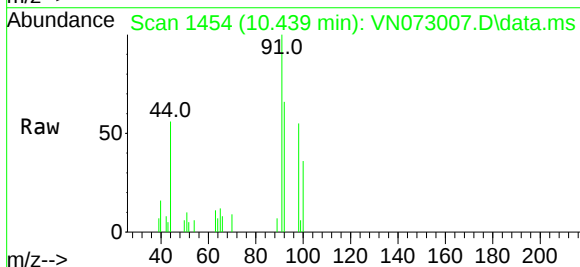
Acq: 22 Jun 2022 06:30

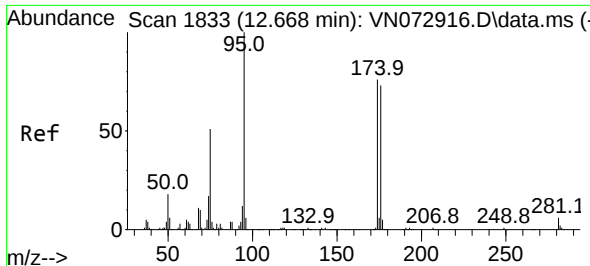
Tgt Ion: 92 Resp: 2951

Ion Ratio Lower Upper

92 100

91 161.7 138.6 207.8

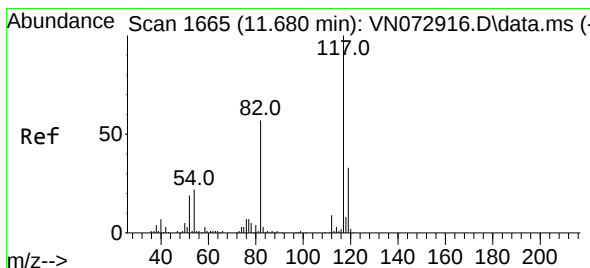
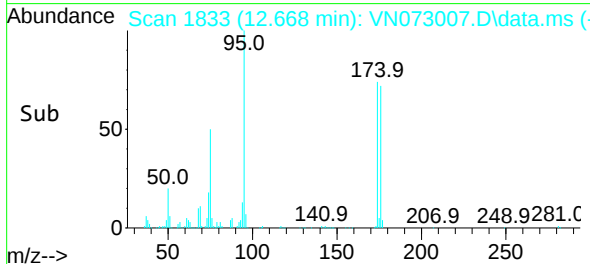
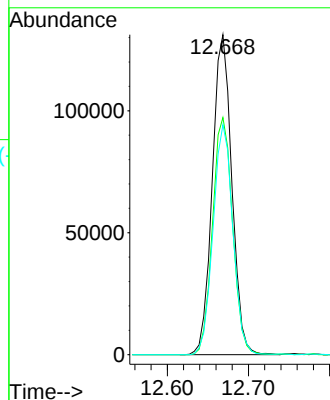
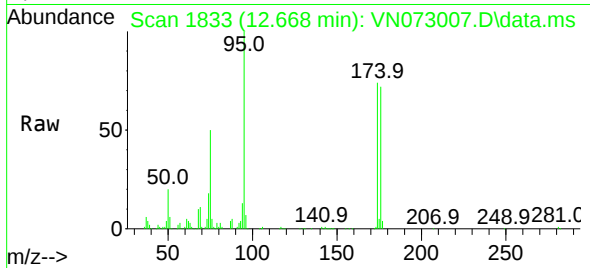




#62
4-Bromofluorobenzene
Concen: 54.002 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

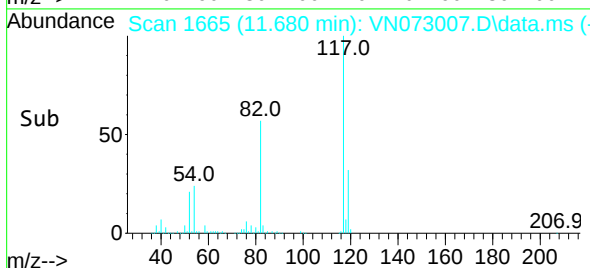
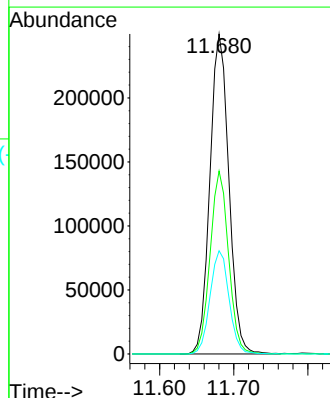
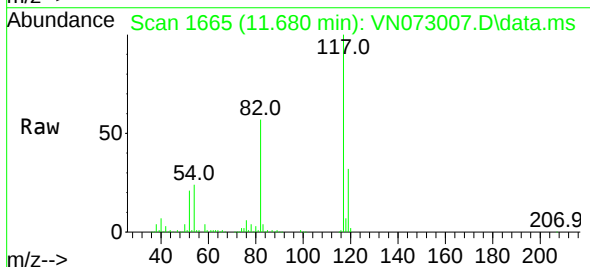
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

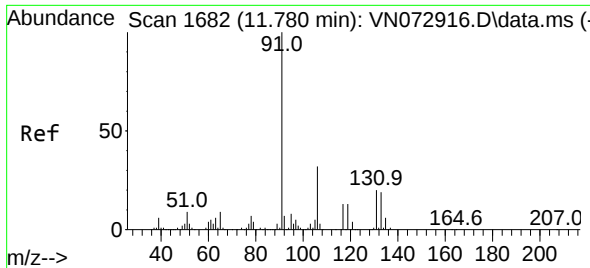
Tgt Ion: 95 Resp: 219079
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 72.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 117 Resp: 444177
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 32.3 25.4 38.0

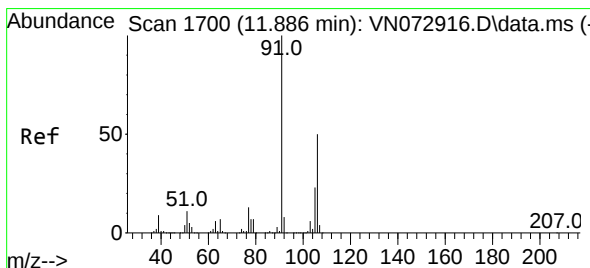
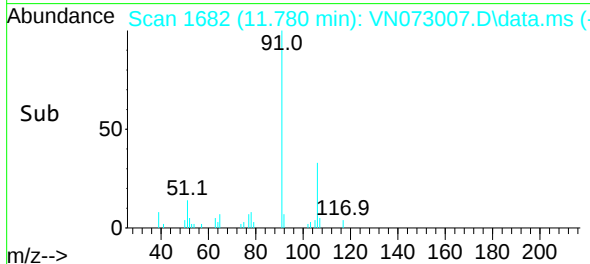
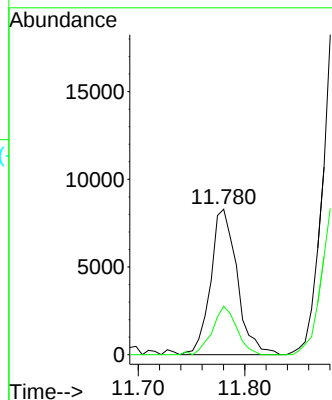
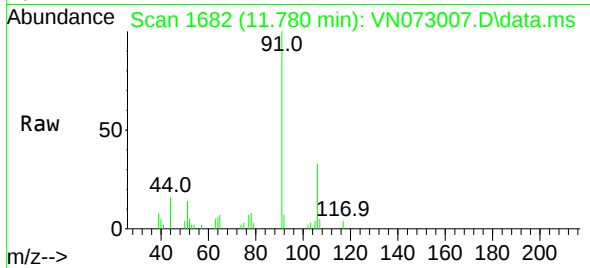




#67
Ethyl Benzene
Concen: 0.938 ug/l
RT: 11.780 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

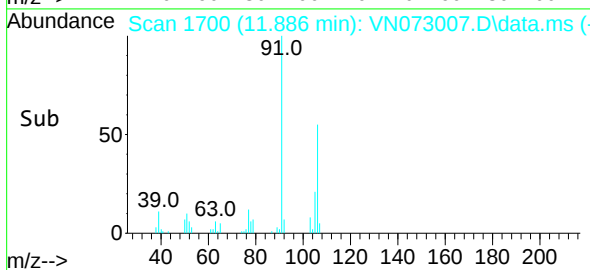
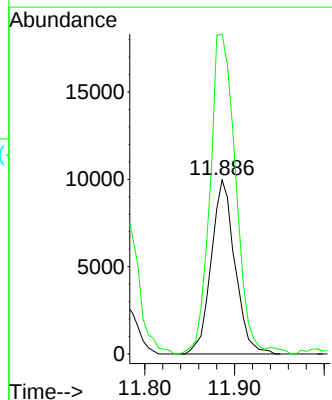
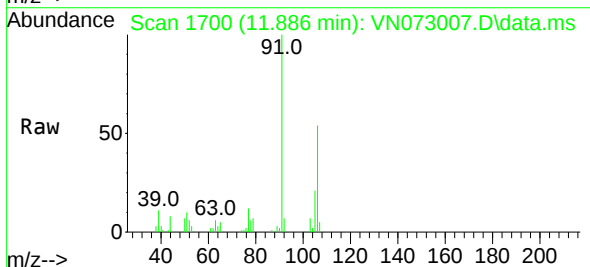
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

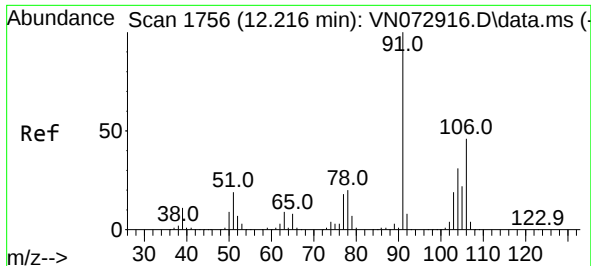
Tgt Ion: 91 Resp: 14329
Ion Ratio Lower Upper
91 100
106 33.3 24.9 37.3



#68
m/p-Xylenes
Concen: 3.054 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 106 Resp: 18293
Ion Ratio Lower Upper
106 100
91 199.6 158.9 238.3

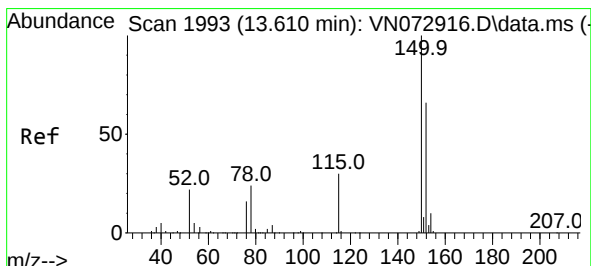
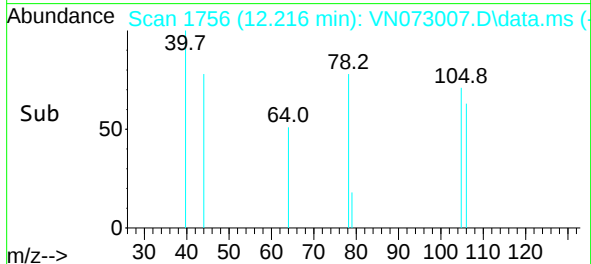
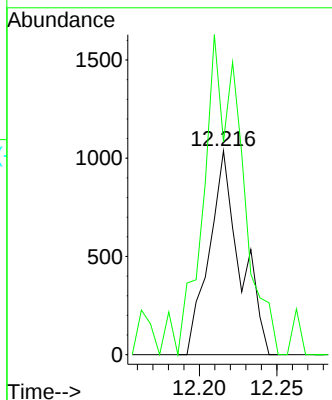
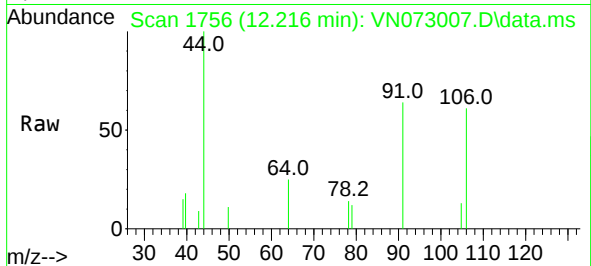




#69
o-Xylene
Concen: 0.241 ug/l
RT: 12.216 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

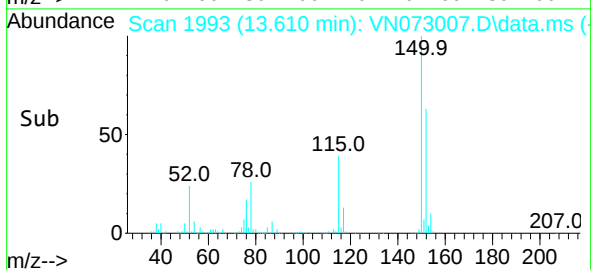
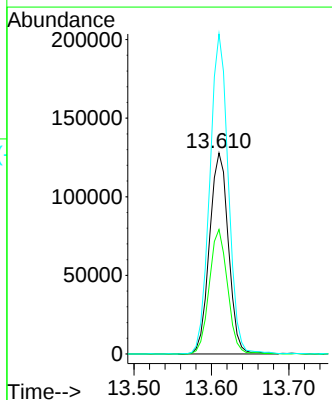
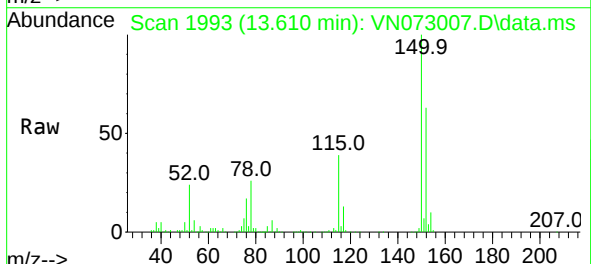
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

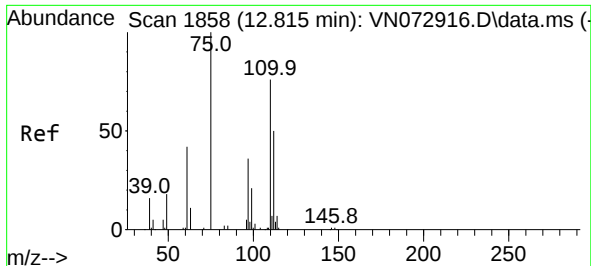
Tgt Ion:106 Resp: 1440
Ion Ratio Lower Upper
106 100
91 196.7 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion:152 Resp: 217258
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 155.8 0.0 356.2

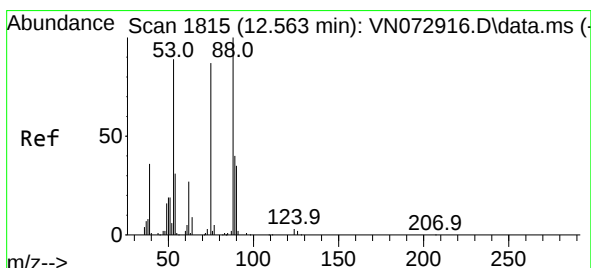
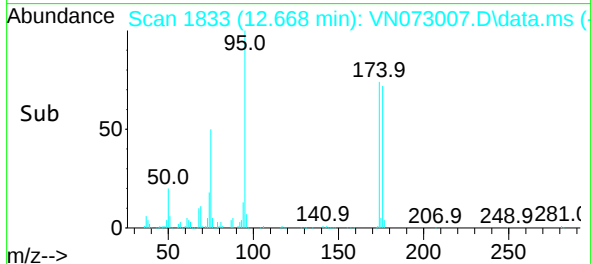
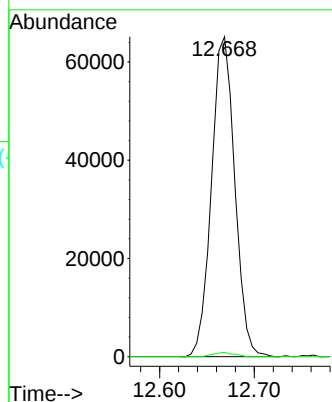
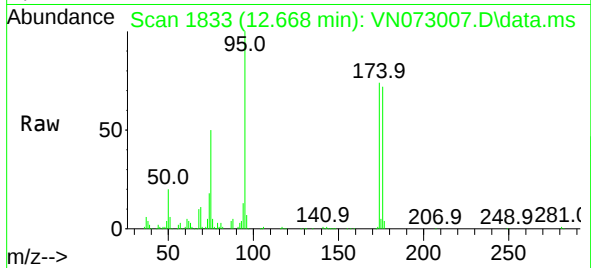




#76
1,2,3-Trichloropropane
Concen: 21.115 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

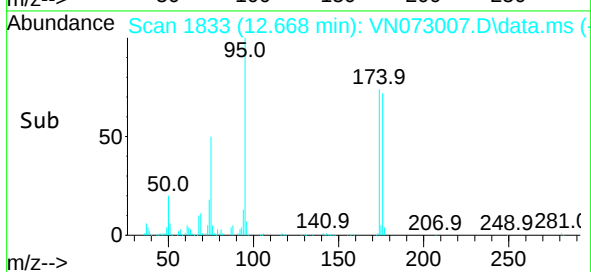
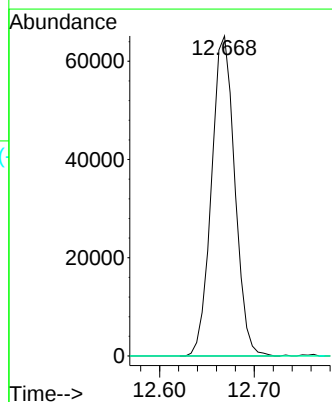
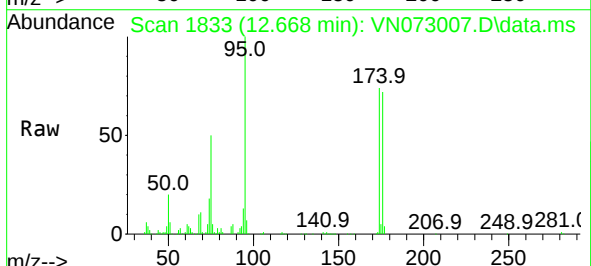
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

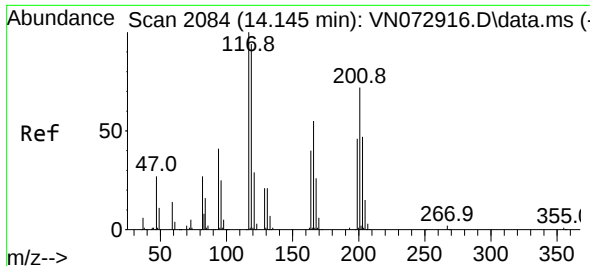
Tgt Ion: 75 Resp: 111222
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.024 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion: 75 Resp: 111222
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

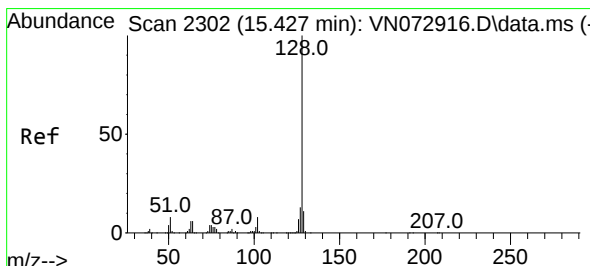
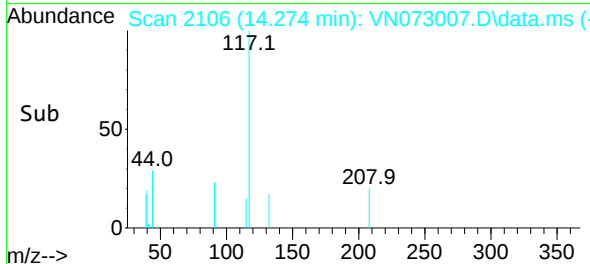
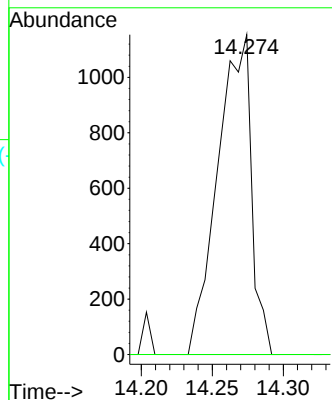
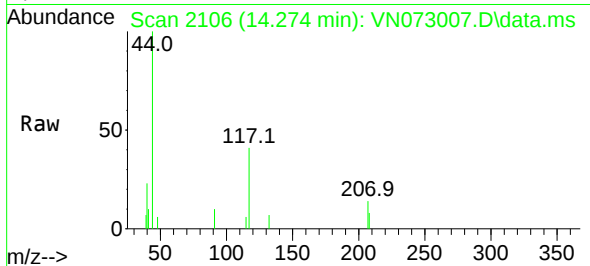




#90
Hexachloroethane
Concen: 0.741 ug/l
RT: 14.274 min Scan# 2106
Delta R.T. 0.129 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Instrument :
MSVOA_N
ClientSampleId :
PZ-10

Tgt Ion:117 Resp: 1908
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.907 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073007.D
Acq: 22 Jun 2022 06:30

Tgt Ion:128 Resp: 15225
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 8.3 8.6 13.0#

