

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
 Data File : VN072399.D
 Acq On : 10 May 2022 18:14
 Operator : JC\MD
 Sample : N2770-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-15820

Quant Time: May 11 03:03:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

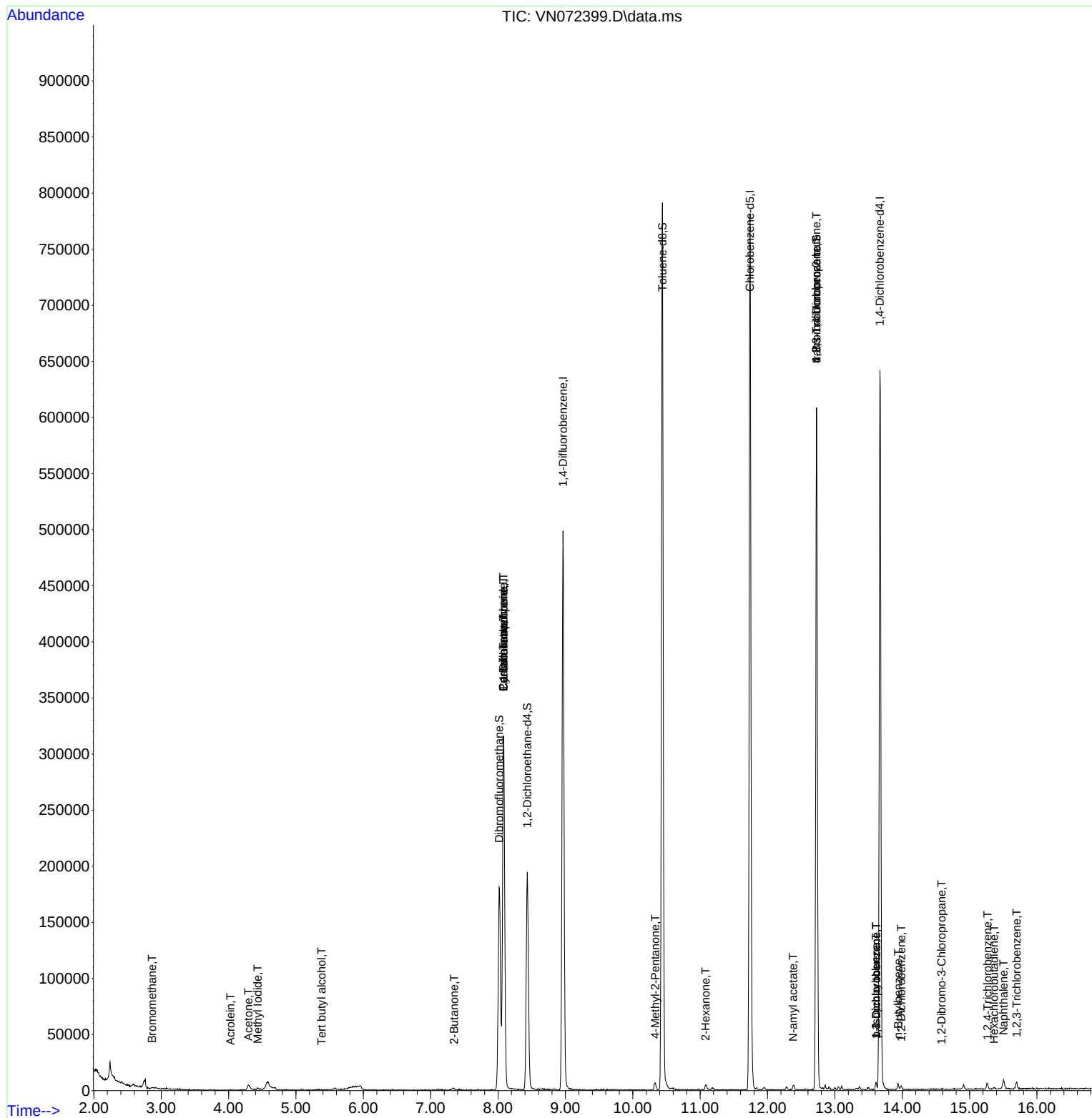
Internal Standards						
1) Pentafluorobenzene	8.081	168	235545	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	428488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	461623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	176453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	170152	47.163	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.320%		
35) Dibromofluoromethane	8.016	113	134226	47.085	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.180%		
50) Toluene-d8	10.439	98	542433	49.962	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.727	95	207344	57.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	899	Below Cal	#	43
5) Bromomethane	2.863	94	916	0.615	ug/l #	37
6) Chloroethane	3.004	64	197	Below Cal	#	42
10) Methyl Iodide	4.434	142	1130	0.337	ug/l #	48
11) Tert butyl alcohol	5.381	59	505	0.856	ug/l #	72
13) Acrolein	4.028	56	148	0.256	ug/l #	16
16) Acetone	4.293	43	8071	5.649	ug/l #	87
25) 2-Butanone	7.345	43	2567	1.138	ug/l #	70
31) Cyclohexane	8.081	56	5037	1.054	ug/l #	24
36) 1,1-Dichloropropene	8.081	75	19688	4.808	ug/l #	49
38) Carbon Tetrachloride	8.081	117	24313	5.306	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	5021	1.072	ug/l	96
59) 2-Hexanone	11.080	43	4934	1.502	ug/l	72
74) N-amyl acetate	12.380	43	3252	0.629	ug/l #	82
76) 1,2,3-Trichloropropane	12.727	75	111612	24.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	111612	80.904	ug/l #	11
86) p-Isopropyltoluene	13.610	119	2432	0.223	ug/l	95
87) 1,3-Dichlorobenzene	13.616	146	1829	0.303	ug/l	94
88) 1,4-Dichlorobenzene	13.616	146	1829	0.305	ug/l	94
89) n-Butylbenzene	13.939	91	3740	0.449	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	1934	0.321	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.586	75	198	0.215	ug/l	71
93) 1,2,4-Trichlorobenzene	15.268	180	2304	1.010	ug/l	87
94) Hexachlorobutadiene	15.363	225	387	0.256	ug/l #	22
95) Naphthalene	15.504	128	9785	4.263	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.698	180	2741	1.199	ug/l	89

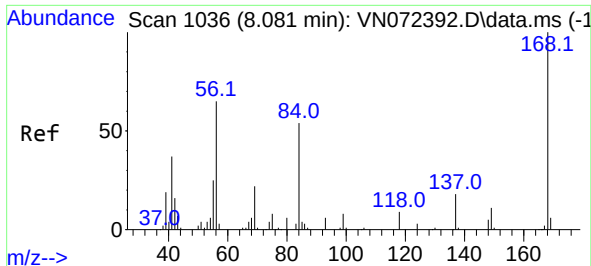
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
Data File : VN072399.D
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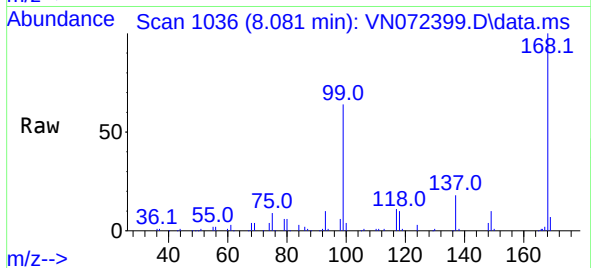
Quant Time: May 11 03:03:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
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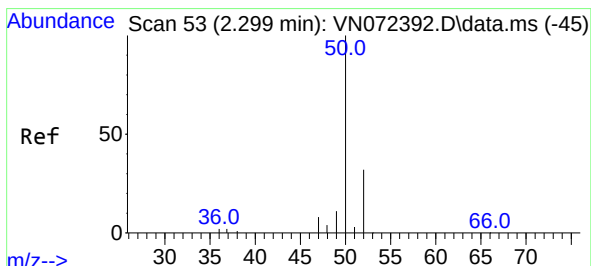
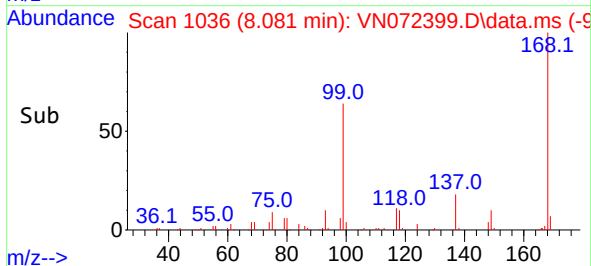
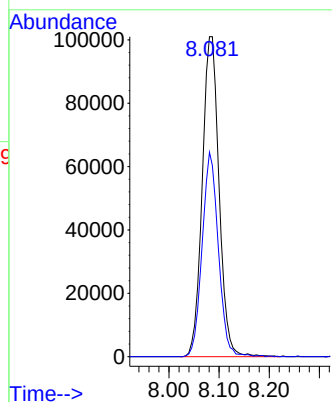


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
M-15820

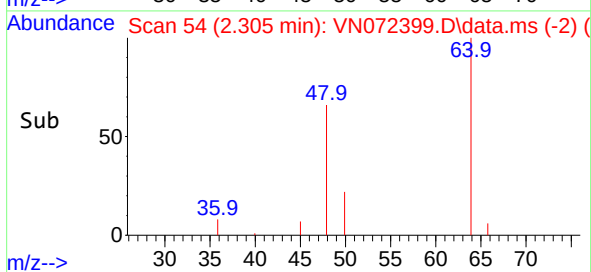
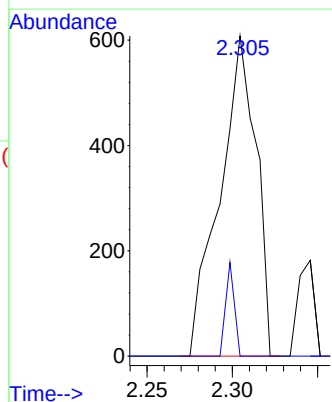
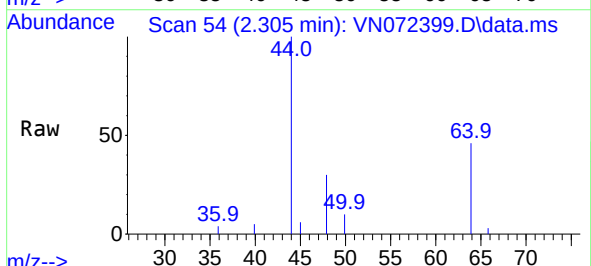


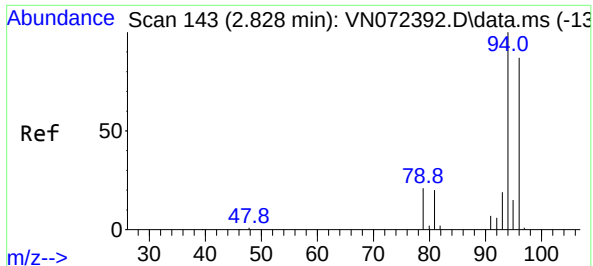
Tgt Ion:168 Resp: 235545
Ion Ratio Lower Upper
168 100
99 63.9 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 50 Resp: 899
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

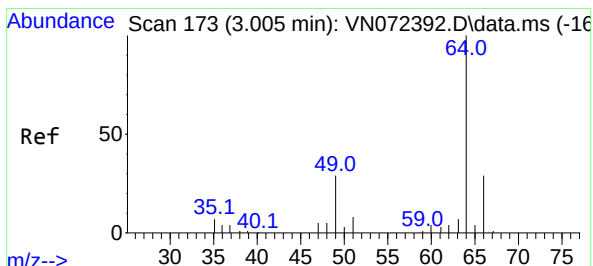
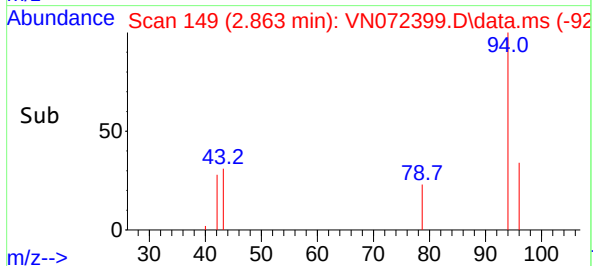
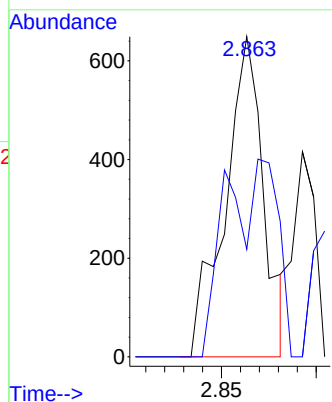
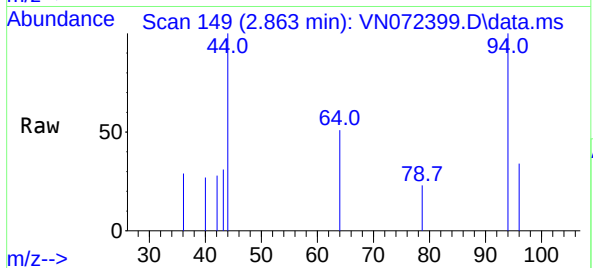




#5
Bromomethane
Concen: 0.615 ug/l
RT: 2.863 min Scan# 149
Delta R.T. 0.035 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

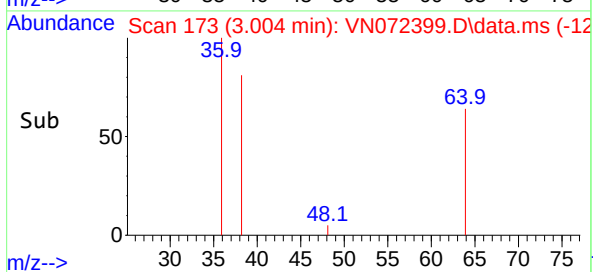
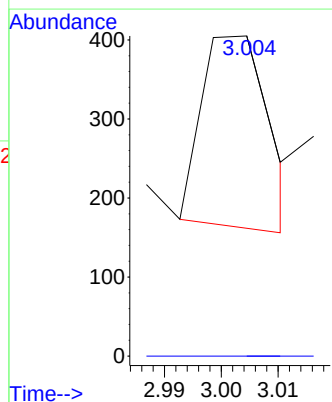
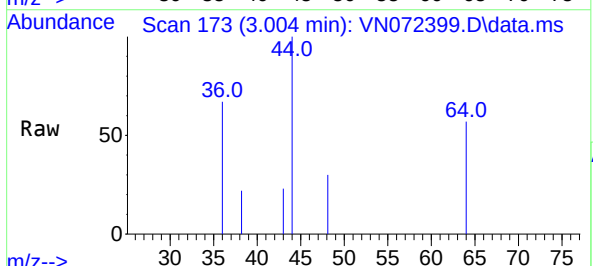
Instrument :
MSVOA_N
ClientSampleId :
M-15820

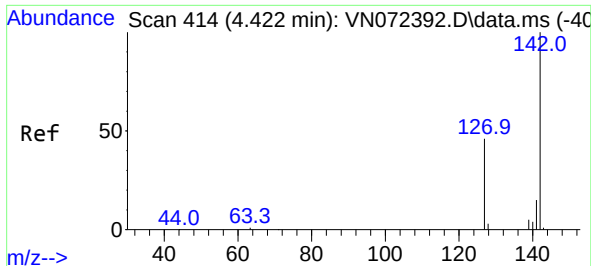
Tgt Ion: 94 Resp: 916
Ion Ratio Lower Upper
94 100
96 33.6 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.004 min Scan# 173
Delta R.T. -0.001 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#10

Methyl Iodide

Concen: 0.337 ug/l

RT: 4.434 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN072399.D

Acq: 10 May 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

M-15820

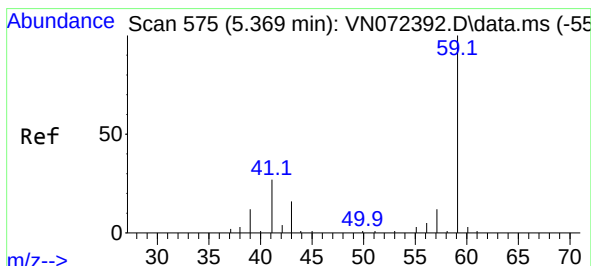
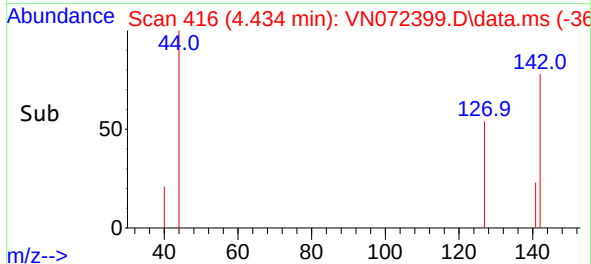
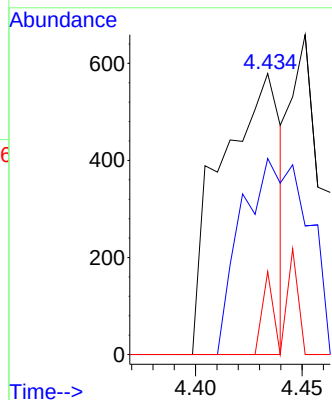
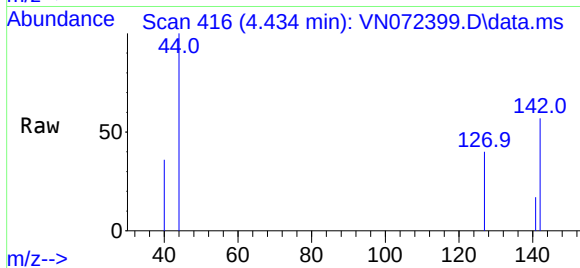
Tgt Ion:142 Resp: 1130

Ion Ratio Lower Upper

142 100

127 77.6 31.3 46.9#

141 5.3 11.2 16.8#



#11

Tert butyl alcohol

Concen: 0.856 ug/l

RT: 5.381 min Scan# 577

Delta R.T. 0.012 min

Lab File: VN072399.D

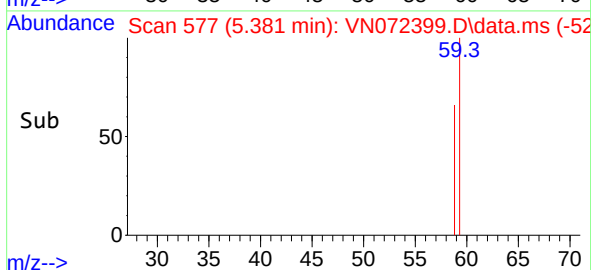
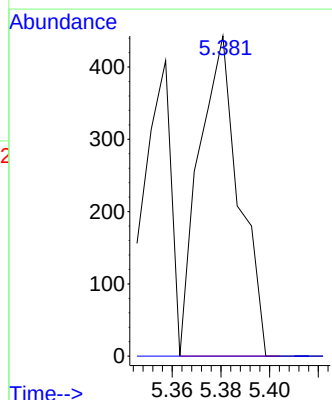
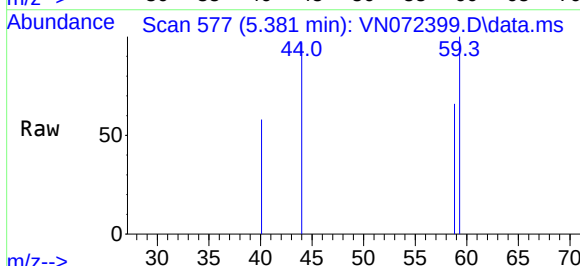
Acq: 10 May 2022 18:14

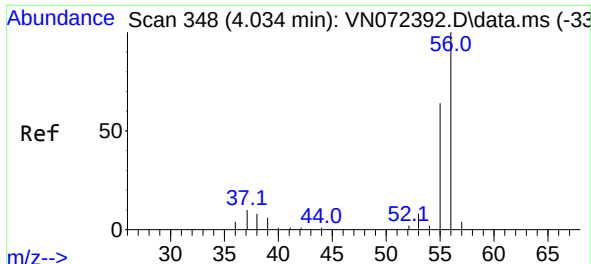
Tgt Ion: 59 Resp: 505

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

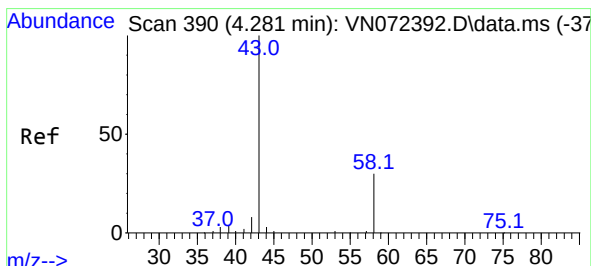
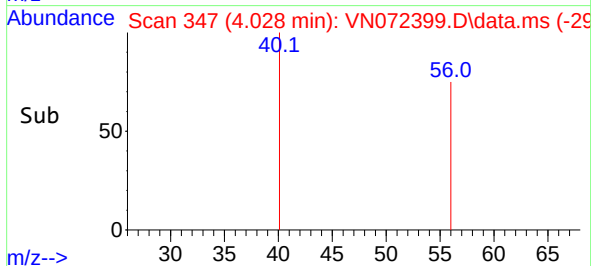
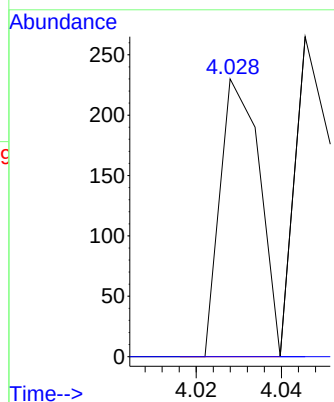
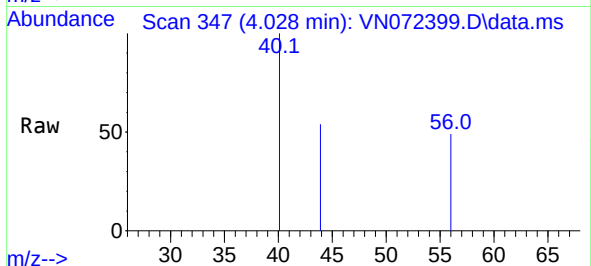




#13
Acrolein
Concen: 0.256 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

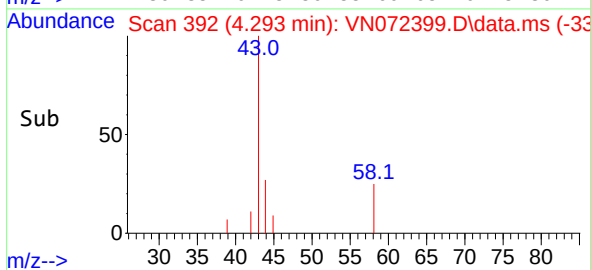
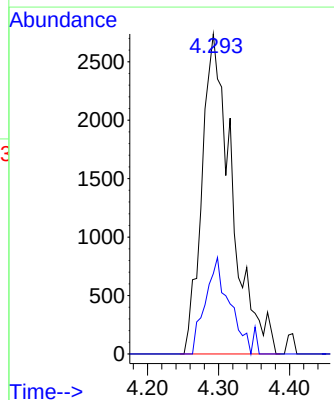
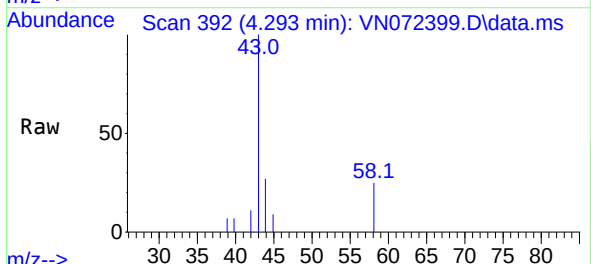
Instrument :
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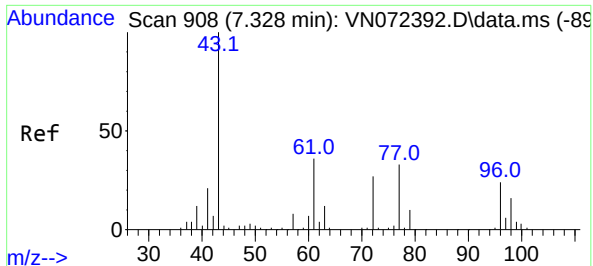
Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 5.649 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 43 Resp: 8071
Ion Ratio Lower Upper
43 100
58 25.1 26.0 39.0#

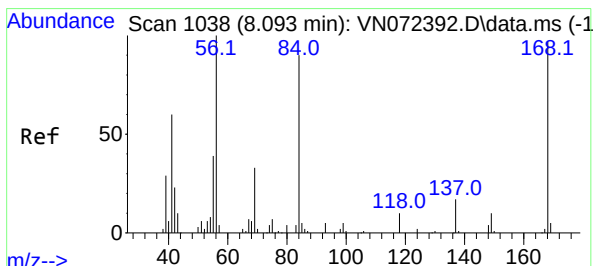
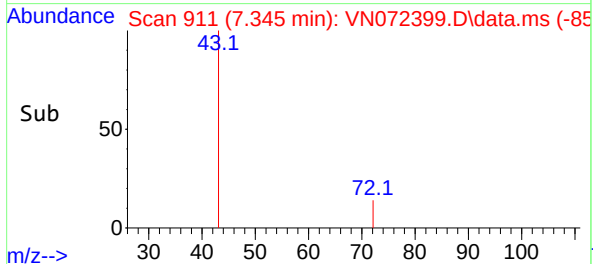
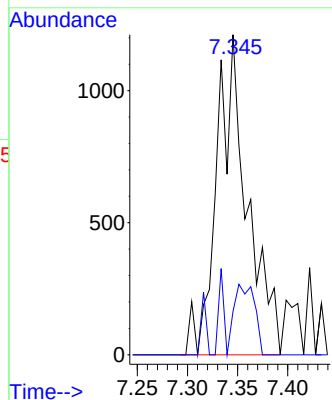
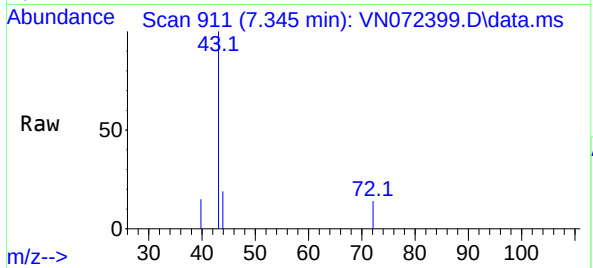




#25
2-Butanone
Concen: 1.138 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

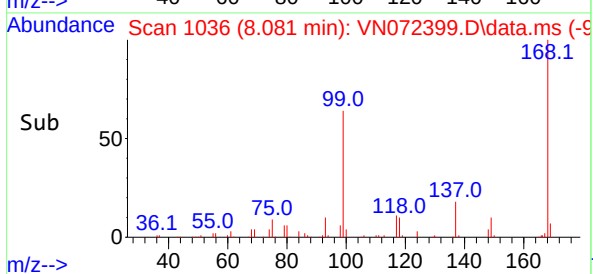
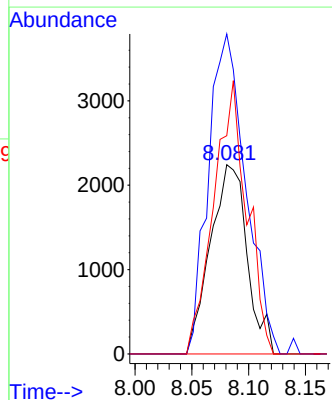
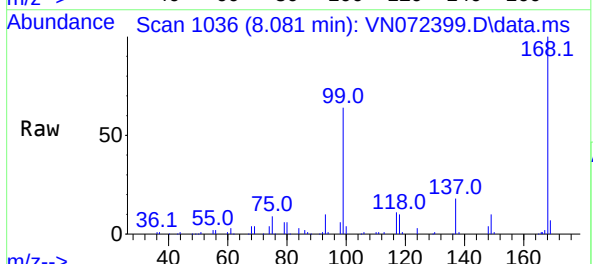
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ClientSampleId :
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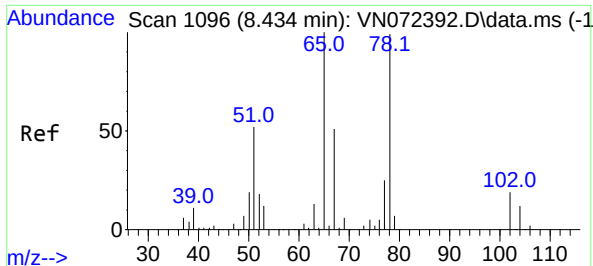
Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
72 13.5 23.7 35.5#



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 56 Resp: 5037
Ion Ratio Lower Upper
56 100
69 169.0 27.8 41.8#
84 115.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.163 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072399.D

Acq: 10 May 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

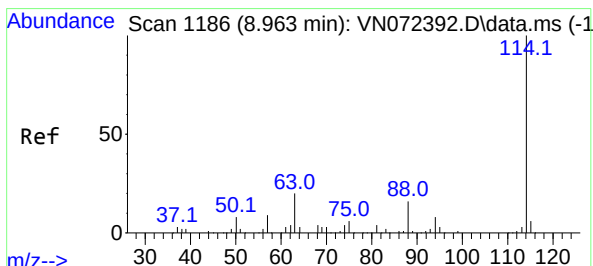
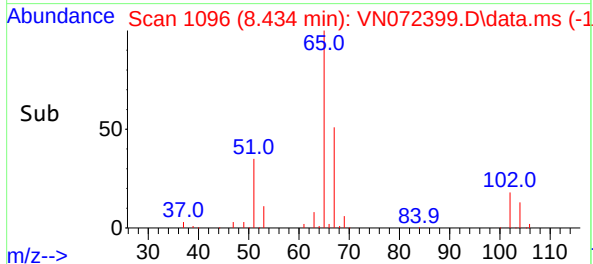
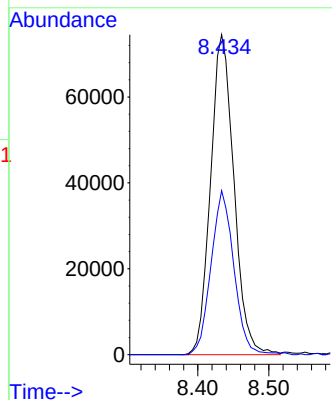
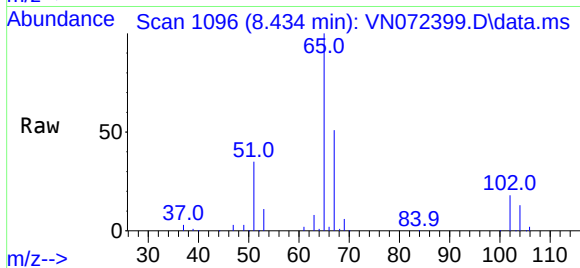
M-15820

Tgt Ion: 65 Resp: 170152

Ion Ratio Lower Upper

65 100

67 50.2 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: VN072399.D

Acq: 10 May 2022 18:14

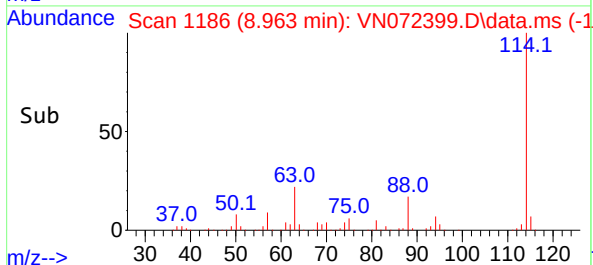
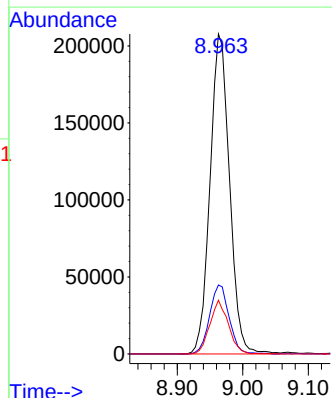
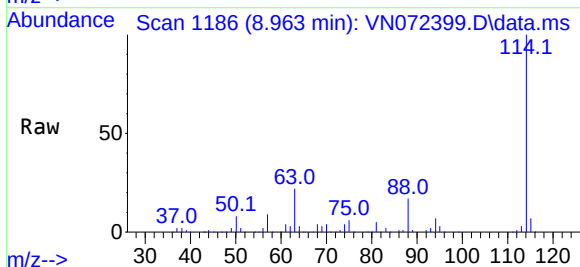
Tgt Ion: 114 Resp: 428488

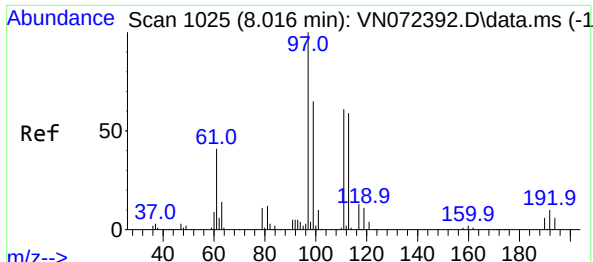
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

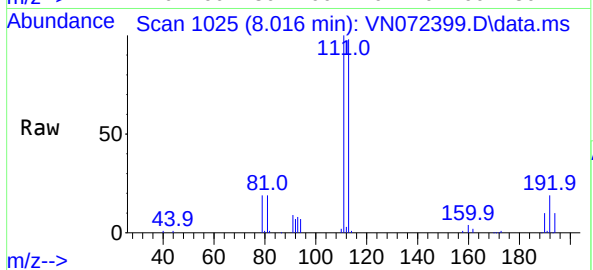
88 16.8 0.0 32.6



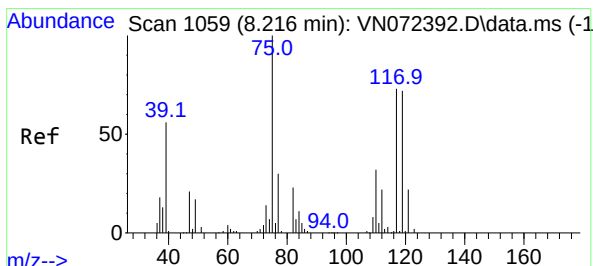
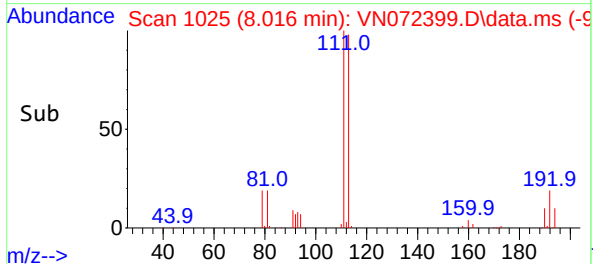
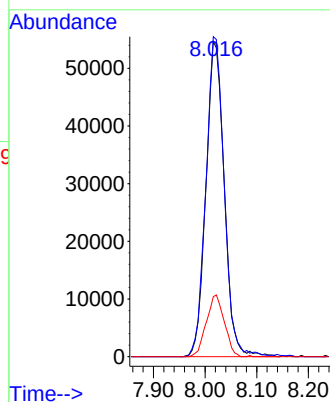


#35
Dibromofluoromethane
Concen: 47.085 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
M-15820

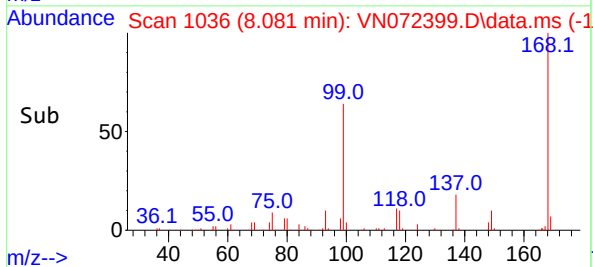
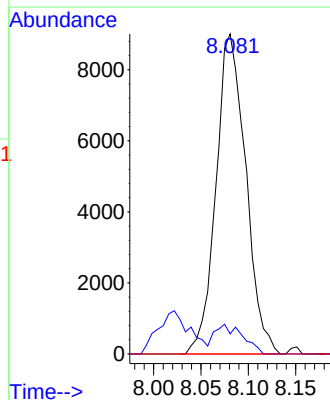
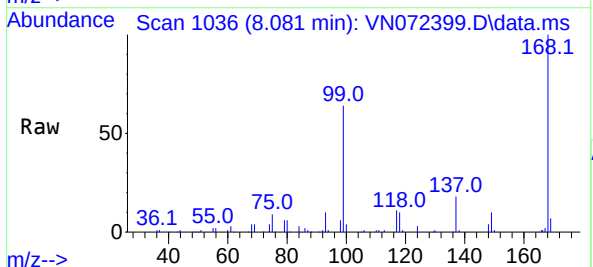


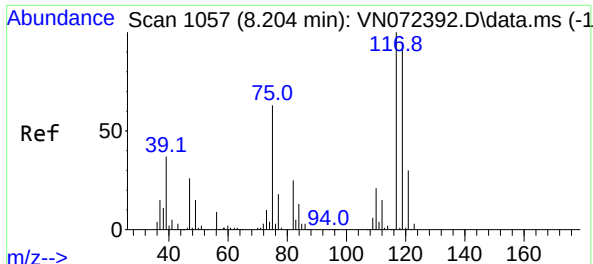
Tgt Ion:113 Resp: 134226
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 19.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

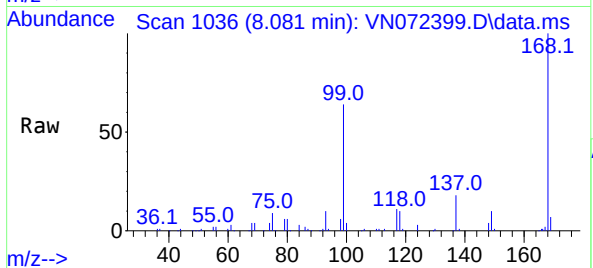
Tgt Ion: 75 Resp: 19688
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



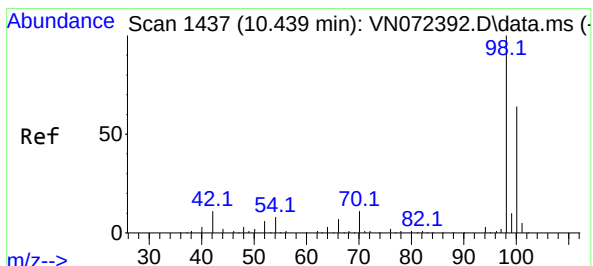
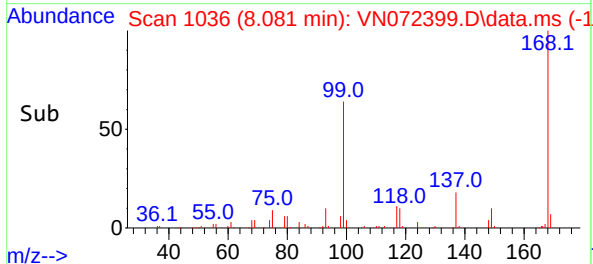
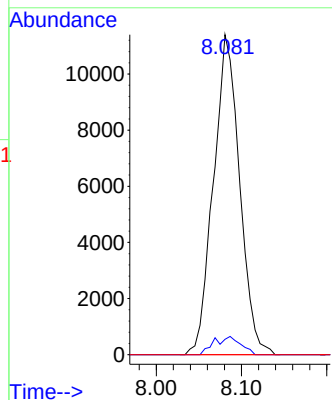


#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
M-15820

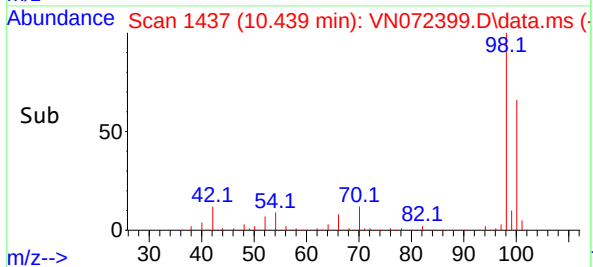
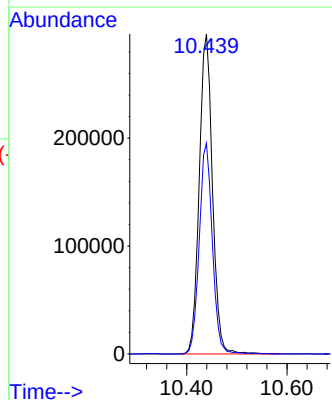
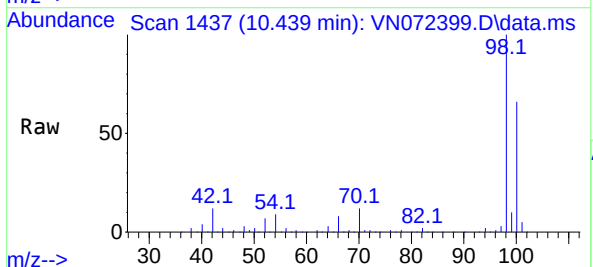


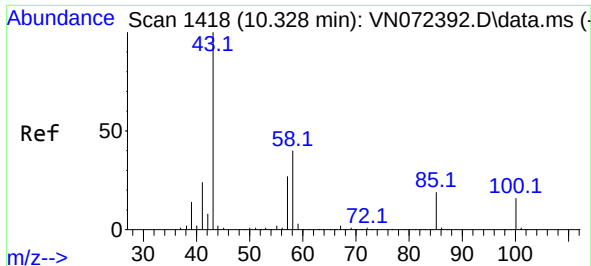
Tgt Ion:117 Resp: 24313
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.962 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 98 Resp: 542433
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.072 ug/l

RT: 10.333 min Scan# 1419

Delta R.T. 0.005 min

Lab File: VN072399.D

Acq: 10 May 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

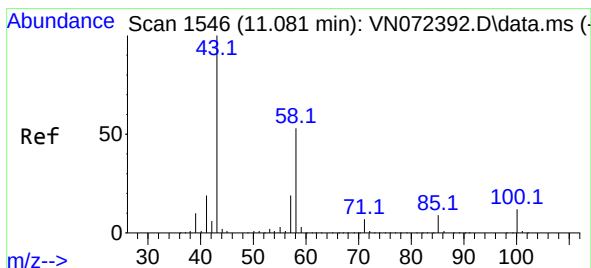
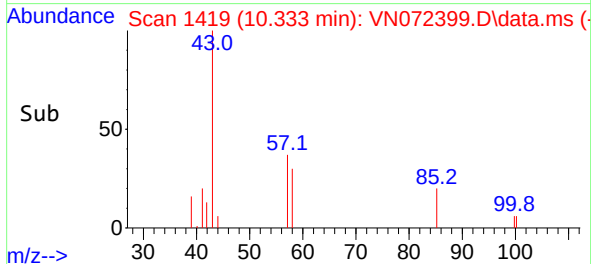
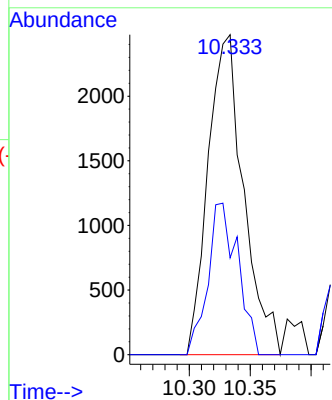
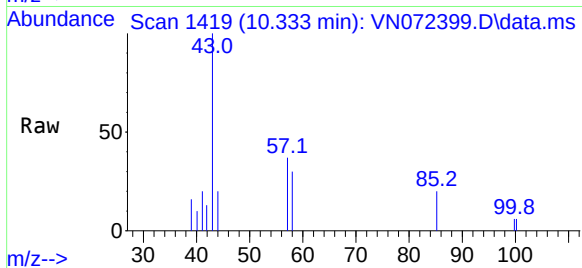
M-15820

Tgt Ion: 43 Resp: 5021

Ion Ratio Lower Upper

43 100

58 39.9 34.1 51.1



#59

2-Hexanone

Concen: 1.502 ug/l

RT: 11.080 min Scan# 1546

Delta R.T. -0.001 min

Lab File: VN072399.D

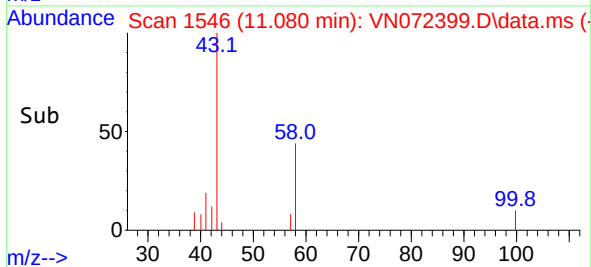
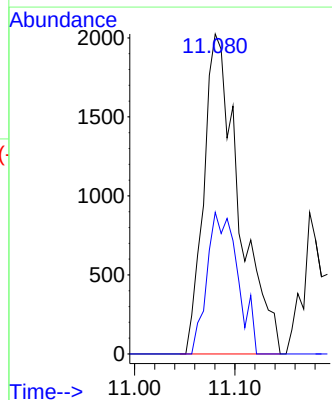
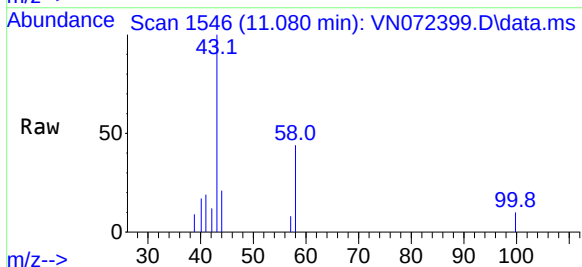
Acq: 10 May 2022 18:14

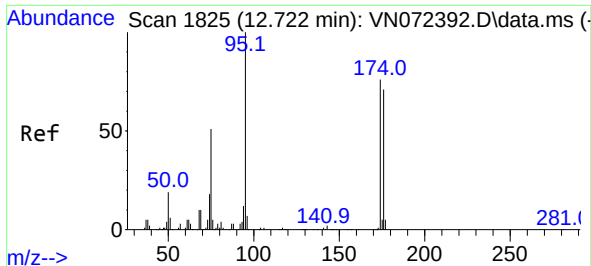
Tgt Ion: 43 Resp: 4934

Ion Ratio Lower Upper

43 100

58 38.2 29.7 89.1

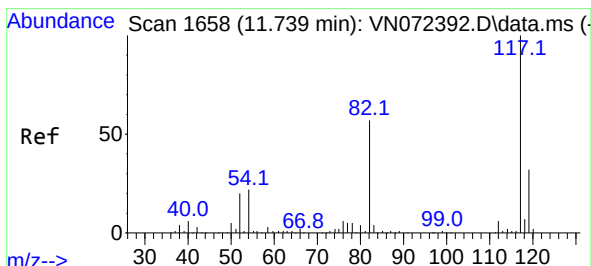
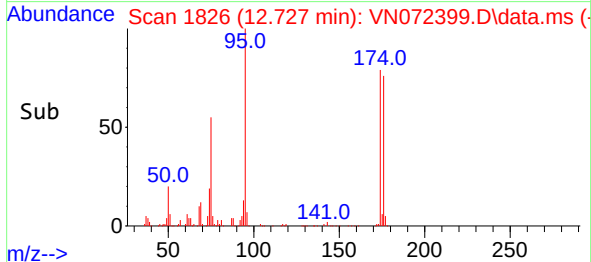
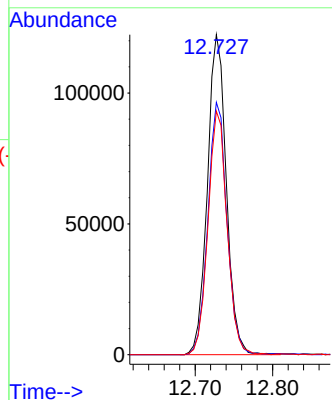
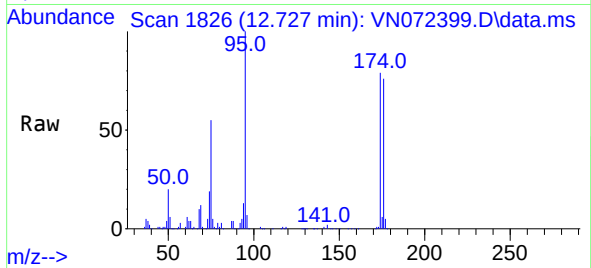




#62
4-Bromofluorobenzene
Concen: 57.505 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.005 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

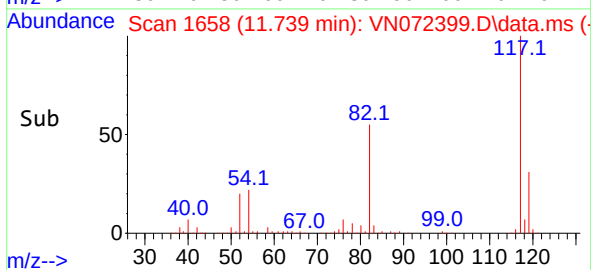
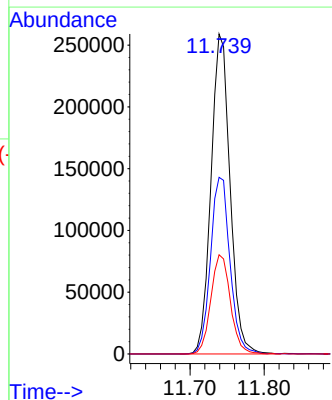
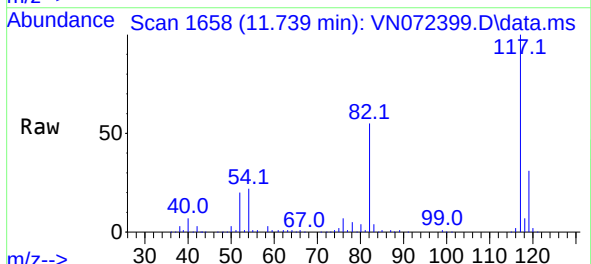
Instrument :
MSVOA_N
ClientSampleId :
M-15820

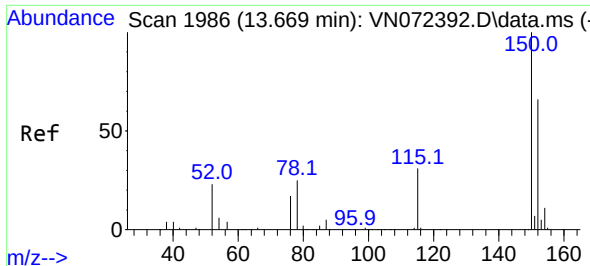
Tgt Ion: 95 Resp: 207344
Ion Ratio Lower Upper
95 100
174 79.4 0.0 167.6
176 76.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 117 Resp: 461623
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.0 25.4 38.0

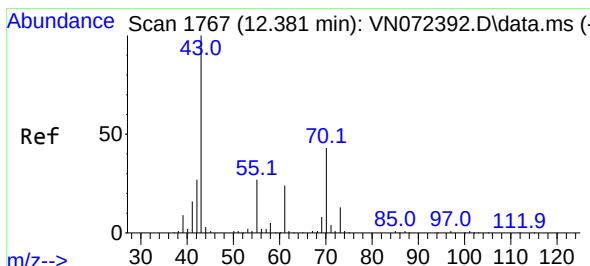
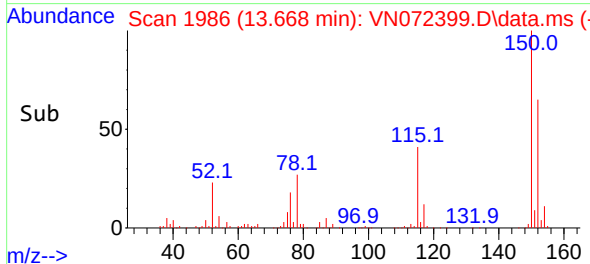
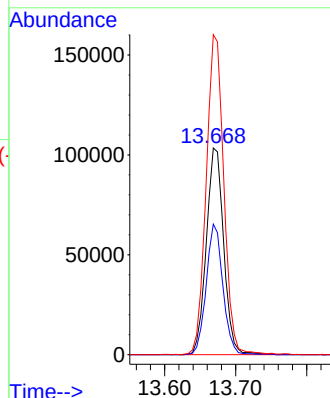
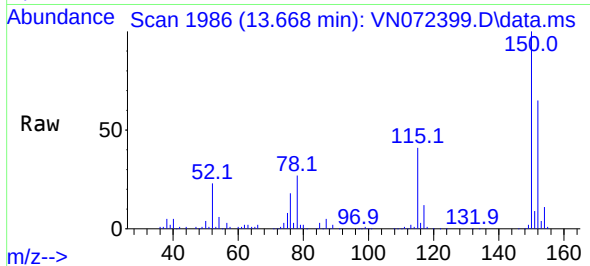




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

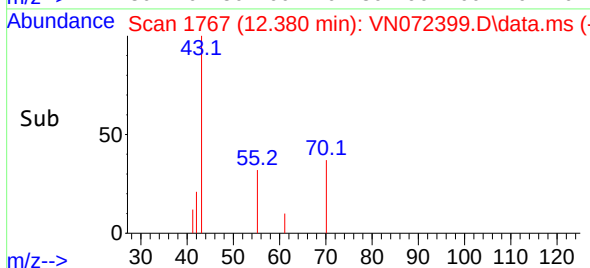
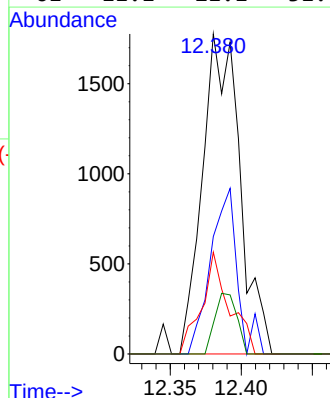
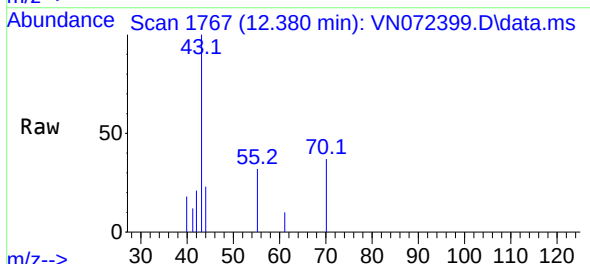
Instrument :
MSVOA_N
ClientSampleId :
M-15820

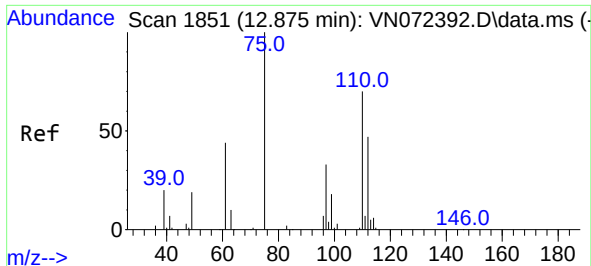
Tgt Ion:152 Resp: 176453
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.7
150 157.0 0.0 356.2



#74
N-ethyl acetate
Concen: 0.629 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. -0.001 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
70 37.0 39.0 58.4#
55 23.5 21.1 31.7
61 11.1 21.1 31.7#

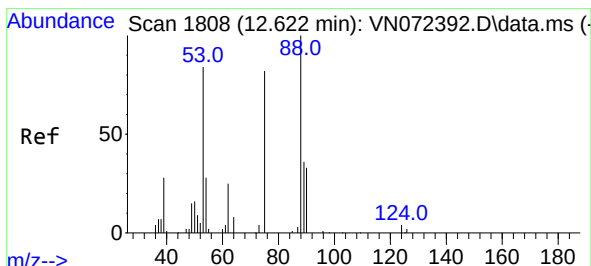
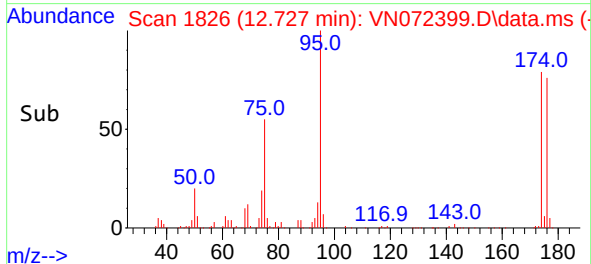
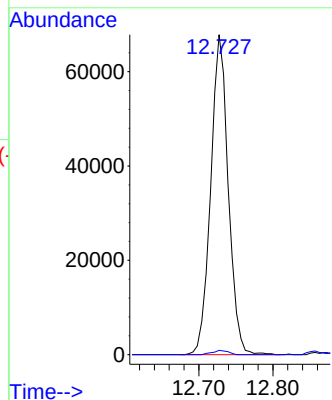
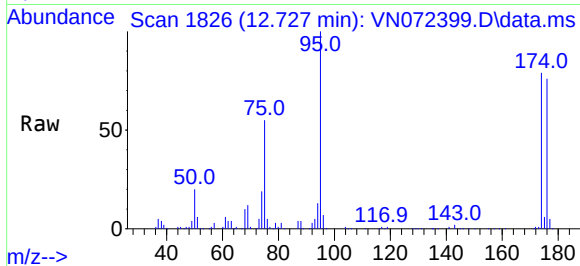




#76
1,2,3-Trichloropropane
Concen: 24.252 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

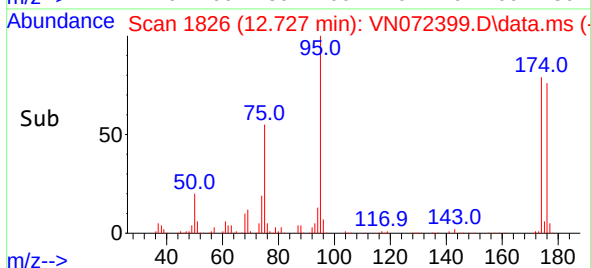
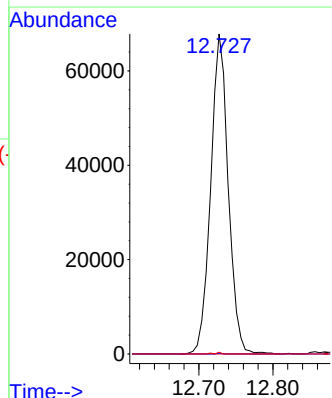
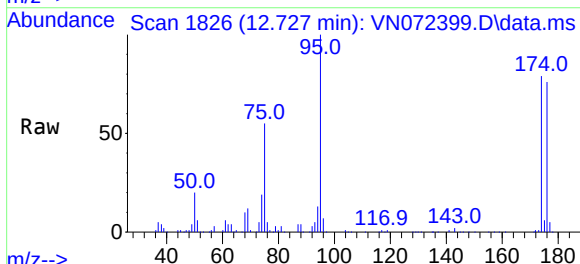
Instrument :
MSVOA_N
ClientSampleId :
M-15820

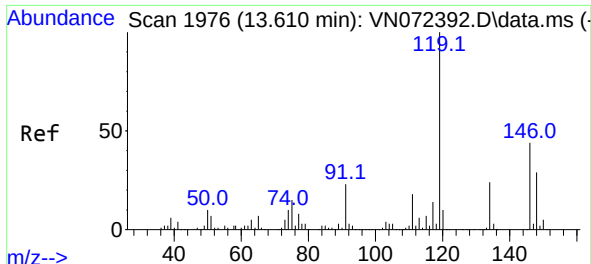
Tgt Ion: 75 Resp: 111612
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.904 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 75 Resp: 111612
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.2 37.2 55.8#

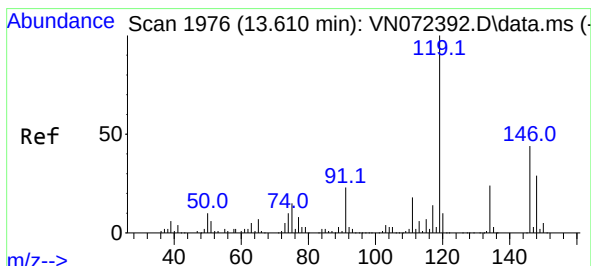
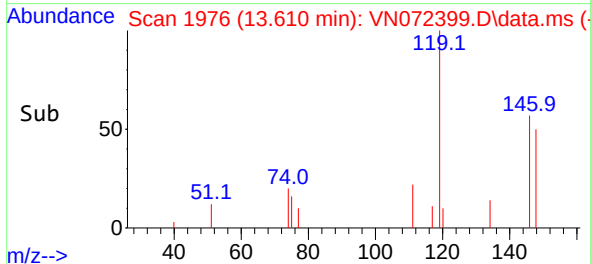
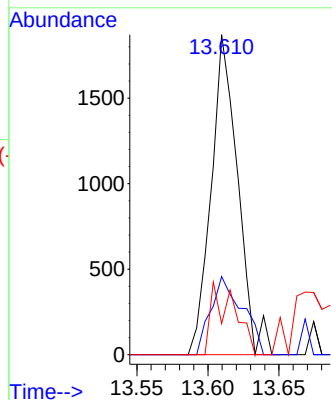
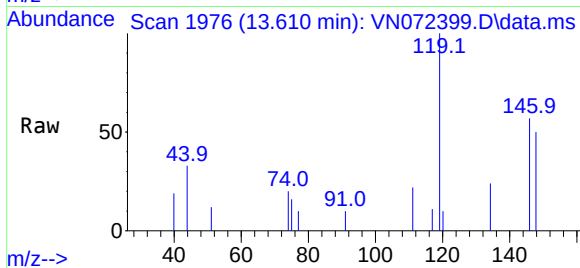




#86
p-Isopropyltoluene
Concen: 0.223 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

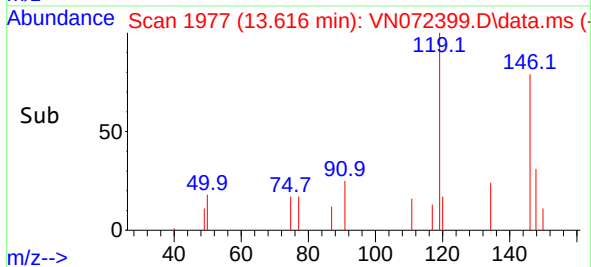
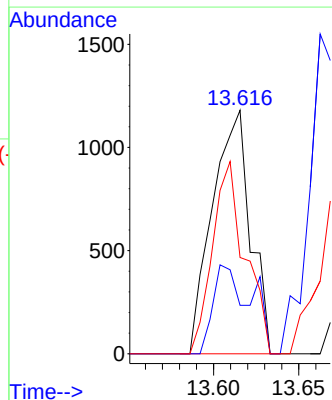
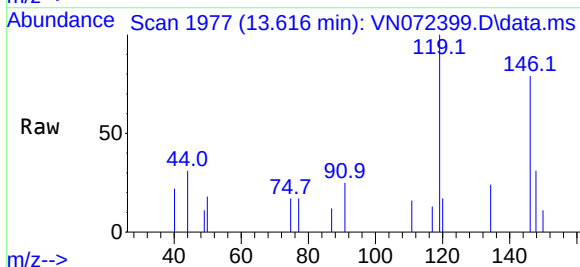
Instrument :
MSVOA_N
ClientSampleId :
M-15820

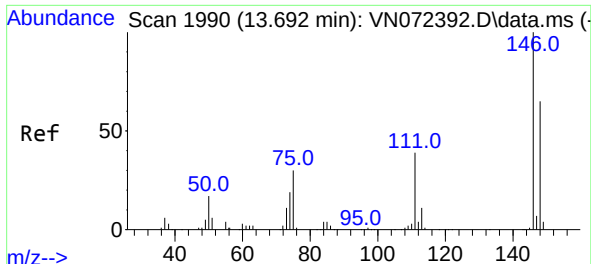
Tgt Ion:	119	Resp:	2432
Ion	Ratio	Lower	Upper
119	100		
134	29.1	13.3	39.8
91	19.7	11.3	33.9



#87
1,3-Dichlorobenzene
Concen: 0.303 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion:	146	Resp:	1829
Ion	Ratio	Lower	Upper
146	100		
111	35.6	20.0	60.0
148	68.0	32.0	96.0

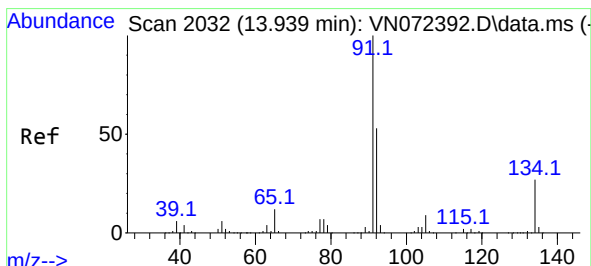
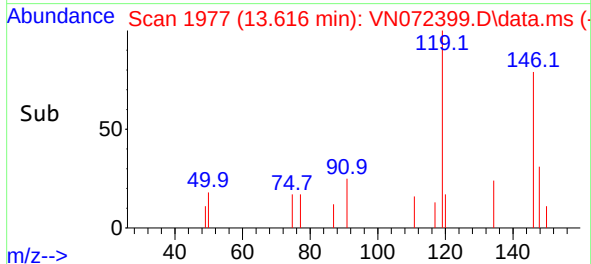
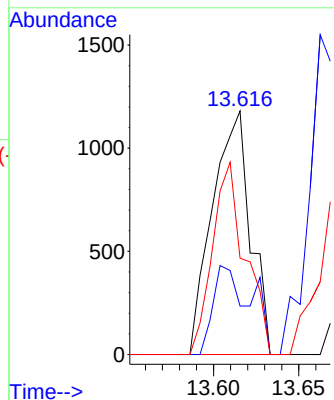
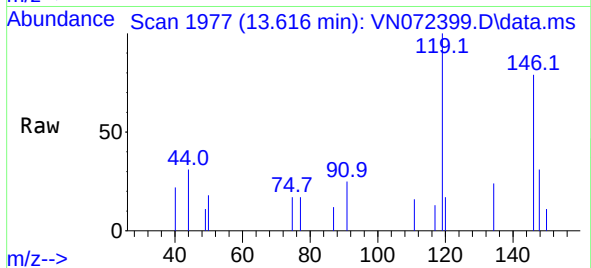




#88
1,4-Dichlorobenzene
Concen: 0.305 ug/l
RT: 13.616 min Scan# 1990
Delta R.T. -0.076 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

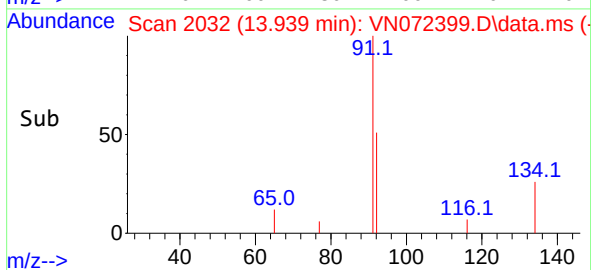
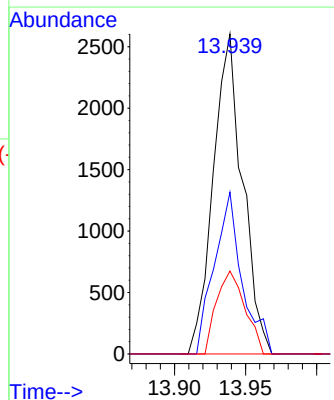
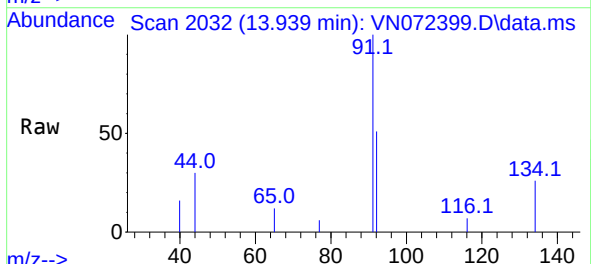
Instrument :
MSVOA_N
ClientSampleId :
M-15820

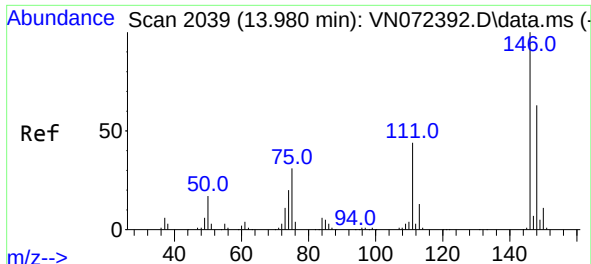
Tgt Ion:146 Resp: 1829
Ion Ratio Lower Upper
146 100
111 35.6 19.1 57.1
148 68.0 31.4 94.3



#89
n-Butylbenzene
Concen: 0.449 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion: 91 Resp: 3740
Ion Ratio Lower Upper
91 100
92 48.0 26.9 80.7
134 25.1 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.321 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VN072399.D

Acq: 10 May 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

M-15820

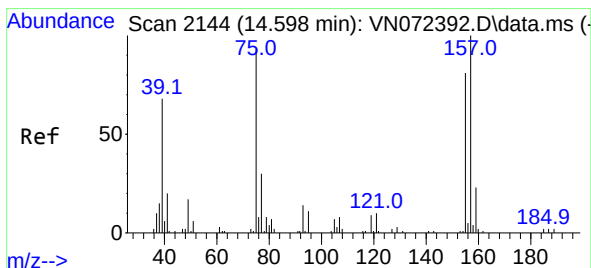
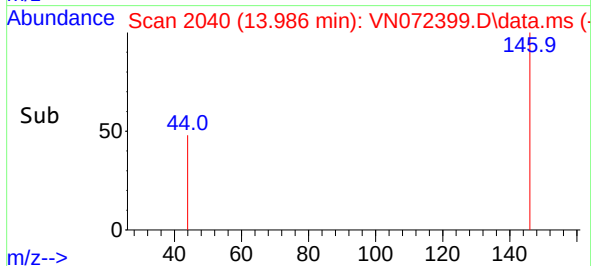
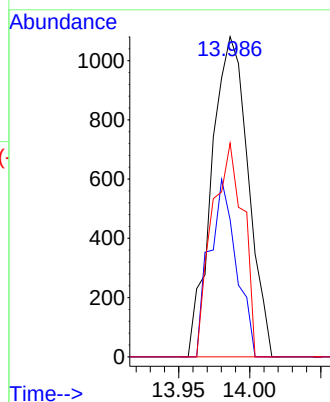
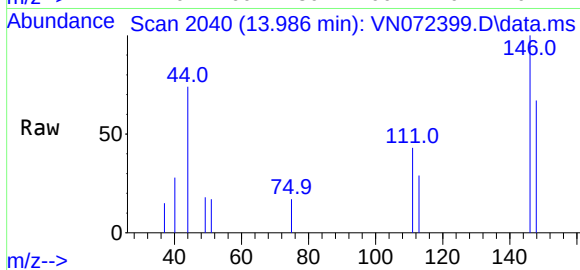
Tgt Ion:146 Resp: 1934

Ion Ratio Lower Upper

146 100

111 40.5 20.9 62.8

148 56.9 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.215 ug/l

RT: 14.586 min Scan# 2142

Delta R.T. -0.012 min

Lab File: VN072399.D

Acq: 10 May 2022 18:14

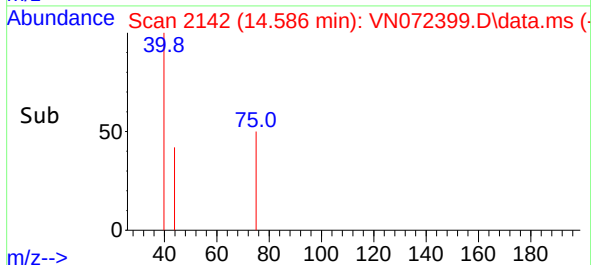
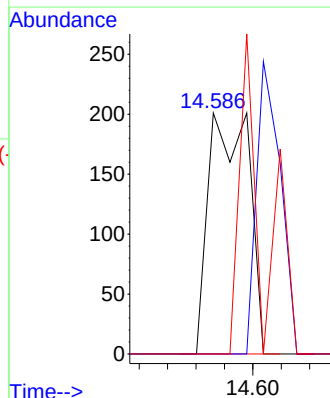
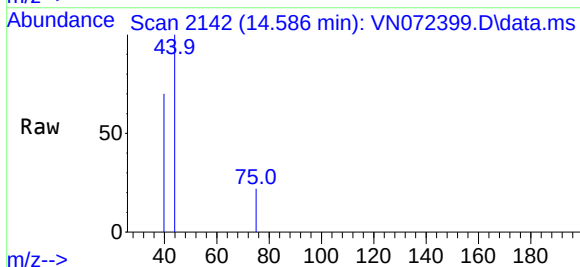
Tgt Ion: 75 Resp: 198

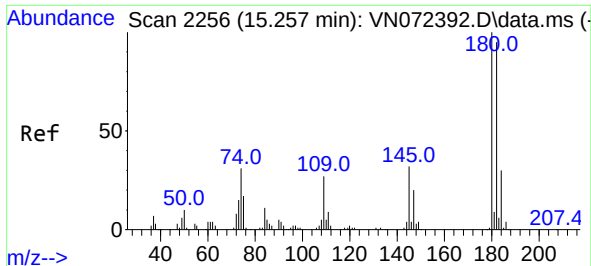
Ion Ratio Lower Upper

75 100

155 71.7 44.9 134.5

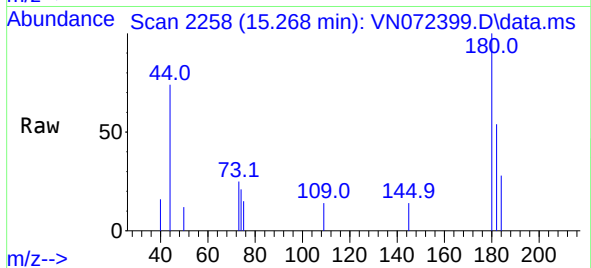
157 78.3 59.0 176.8



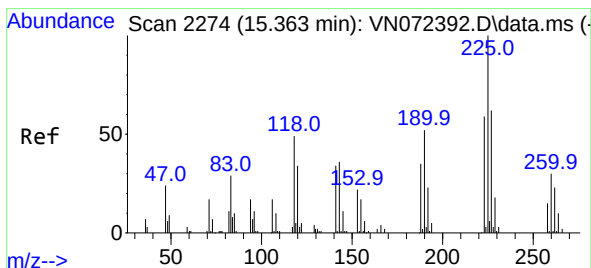
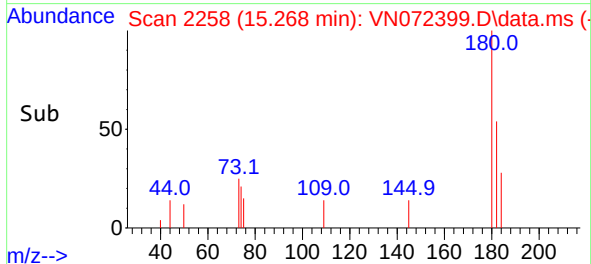
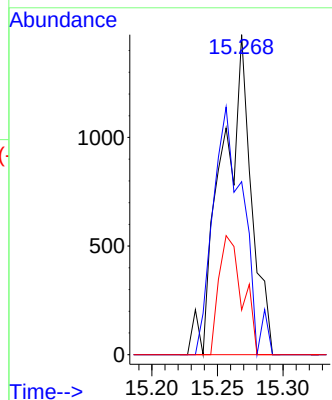


#93
1,2,4-Trichlorobenzene
Concen: 1.010 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
M-15820

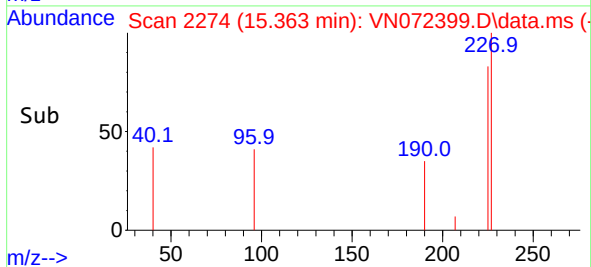
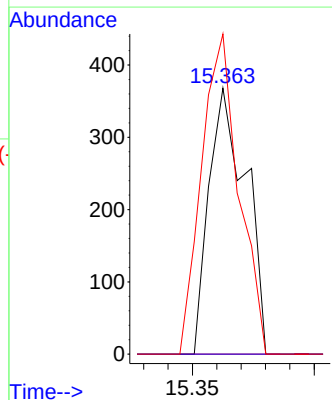
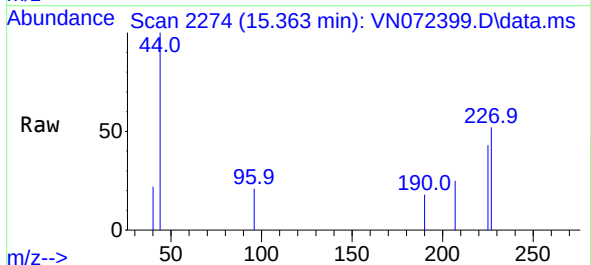


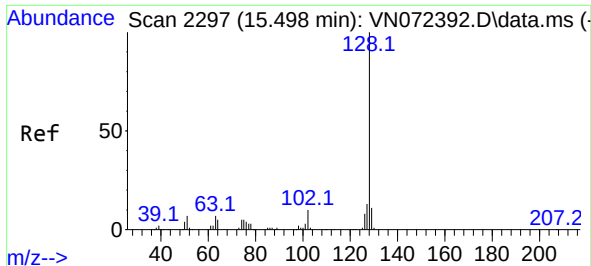
Tgt Ion:180 Resp: 2304
Ion Ratio Lower Upper
180 100
182 78.7 47.5 142.5
145 29.5 14.5 43.5



#94
Hexachlorobutadiene
Concen: 0.256 ug/l
RT: 15.363 min Scan# 2274
Delta R.T. -0.000 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion:225 Resp: 387
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 121.4 31.8 95.4#

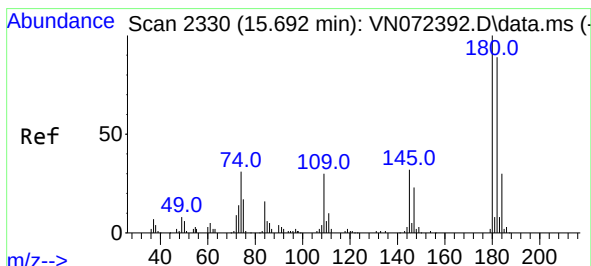
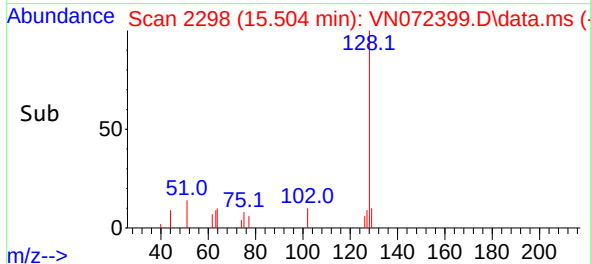
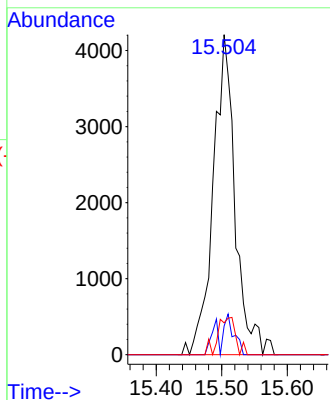
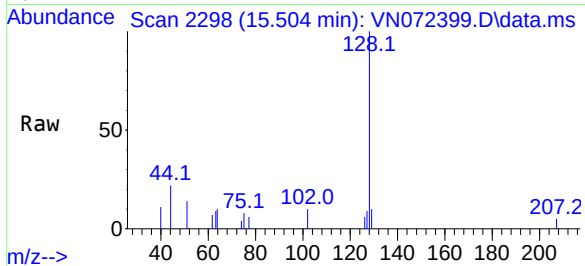




#95
Naphthalene
Concen: 4.263 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
M-15820

Tgt Ion:128 Resp: 9785
Ion Ratio Lower Upper
128 100
127 5.8 10.3 15.5#
129 9.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.199 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN072399.D
Acq: 10 May 2022 18:14

Tgt Ion:180 Resp: 2741
Ion Ratio Lower Upper
180 100
182 106.4 47.8 143.3
145 26.0 15.5 46.5

