

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051322\
 Data File : VN072476.D
 Acq On : 13 May 2022 14:48
 Operator : JC\MD
 Sample : N2745-04
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-31D

Quant Time: May 13 15:24:08 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

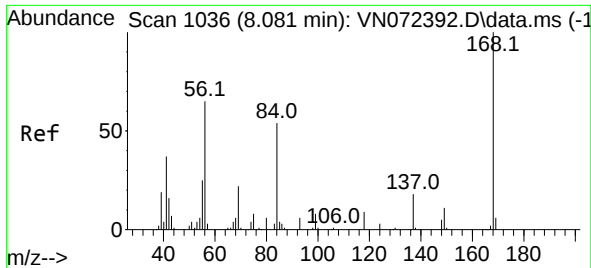
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.075	168	288607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	438294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	380975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	163469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	195202	44.158	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.320%		
35) Dibromofluoromethane	8.016	113	135792	46.569	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.140%		
50) Toluene-d8	10.439	98	511069	46.020	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.040%		
62) 4-Bromofluorobenzene	12.727	95	172818	46.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	279	Below Cal	#	43
5) Bromomethane	2.810	94	1582	0.867	ug/l #	47
6) Chloroethane	2.999	64	270	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	12773	17.671	ug/l #	72
16) Acetone	4.316	43	2390	1.365	ug/l #	79
18) Methyl Acetate	4.863	43	2329	0.452	ug/l #	53
20) Methylene Chloride	5.075	84	783	0.218	ug/l #	45
25) 2-Butanone	7.363	43	19626	7.103	ug/l #	85
29) Tetrahydrofuran	7.704	42	1151	0.641	ug/l #	43
31) Cyclohexane	8.086	56	6744	1.151	ug/l #	42
36) 1,1-Dichloropropene	8.081	75	23233	5.547	ug/l #	49
37) Ethyl Acetate	7.363	43	19626	3.906	ug/l #	67
38) Carbon Tetrachloride	8.081	117	31169	6.650	ug/l #	18
43) Isopropyl Acetate	8.557	43	2534	0.328	ug/l #	53
59) 2-Hexanone	11.086	43	1116	0.332	ug/l	92
76) 1,2,3-Trichloropropane	12.727	75	100154	23.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	100154	78.365	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	645	0.305	ug/l #	48
95) Naphthalene	15.504	128	3605	3.609	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.704	180	974	0.460	ug/l #	69

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

Quant Time: May 13 15:24:08 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

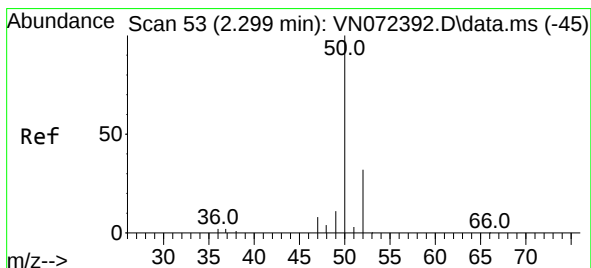
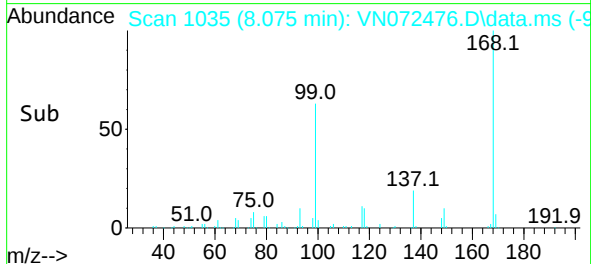
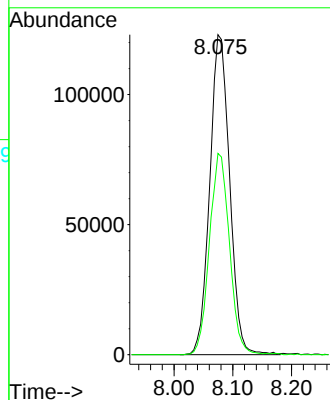
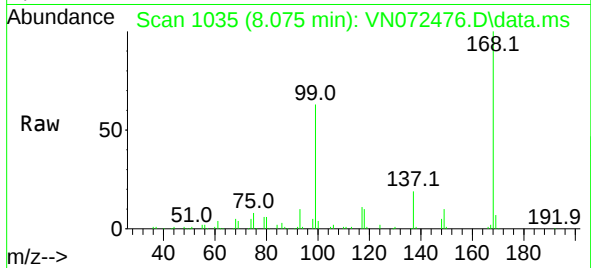




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

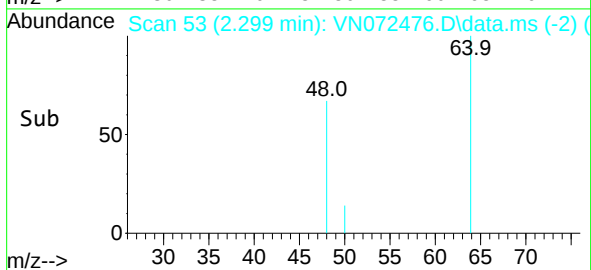
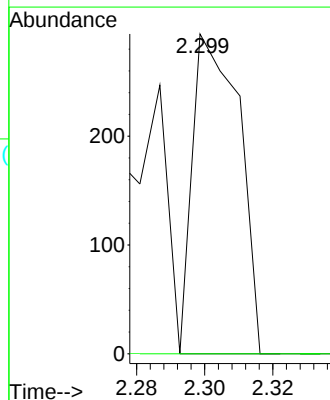
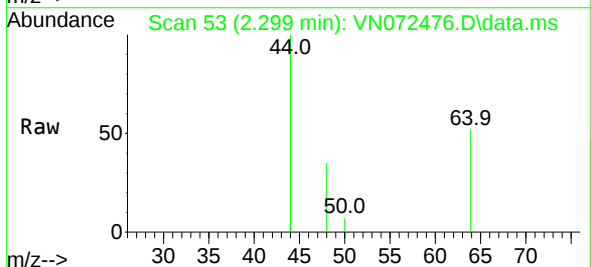
Instrument :
MSVOA_N
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MH-31D

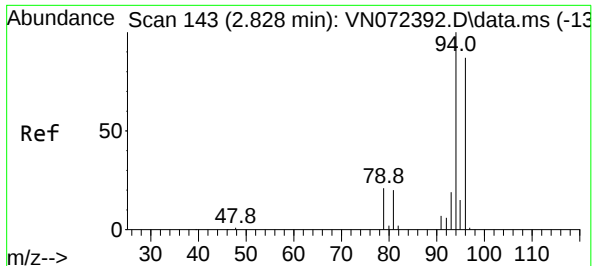
Tgt Ion:168 Resp: 288607
Ion Ratio Lower Upper
168 100
99 62.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

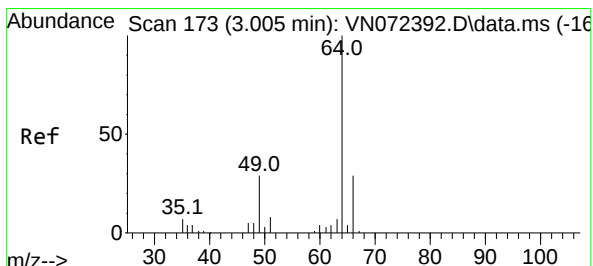
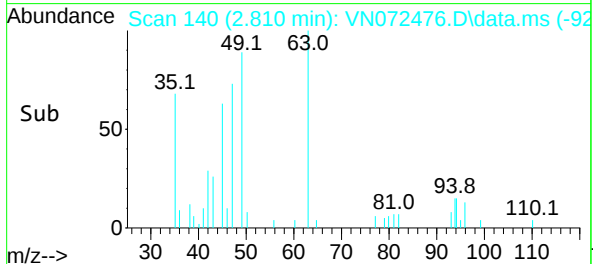
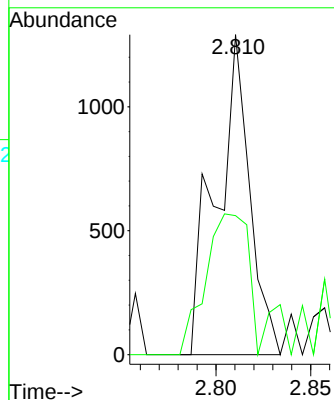
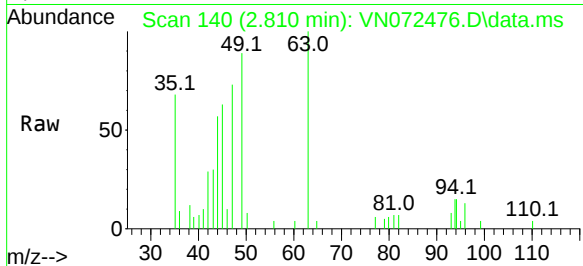




#5
Bromomethane
Concen: 0.867 ug/l
RT: 2.810 min Scan# 14
Delta R.T. -0.018 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

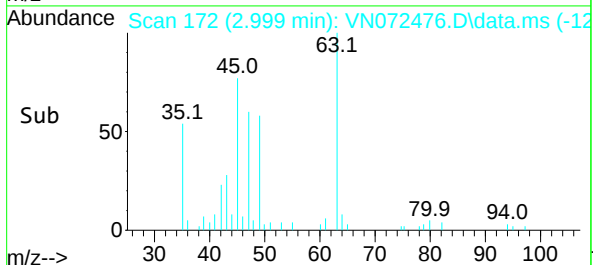
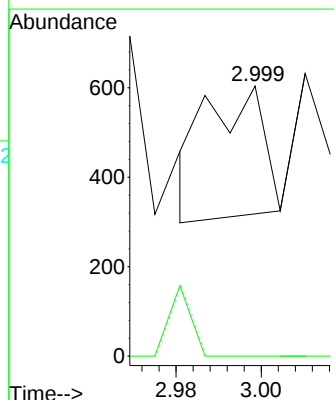
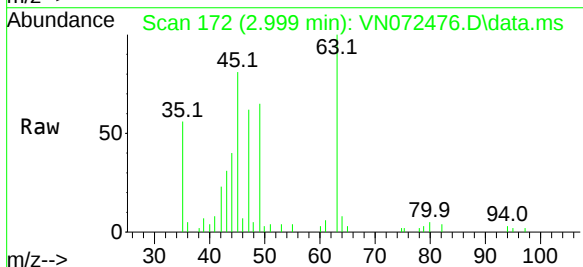
Instrument :
MSVOA_N
ClientSampleId :
MH-31D

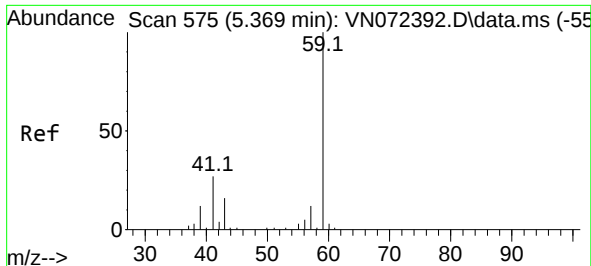
Tgt Ion: 94 Resp: 1582
Ion Ratio Lower Upper
94 100
96 43.5 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 17.671 ug/l

RT: 5.304 min Scan# 5

Delta R.T. -0.065 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

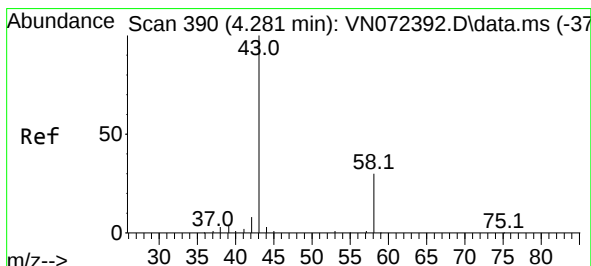
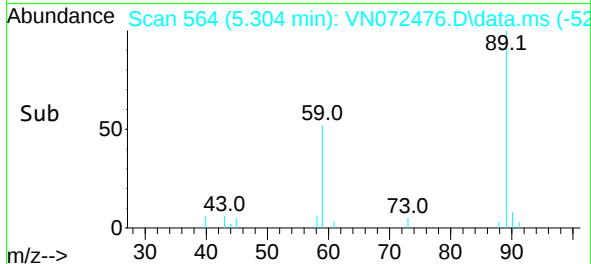
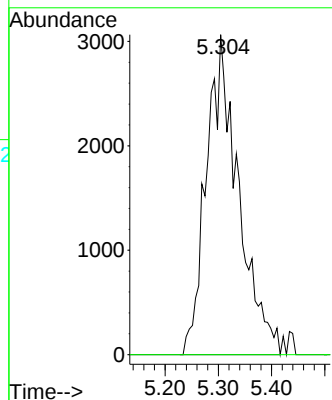
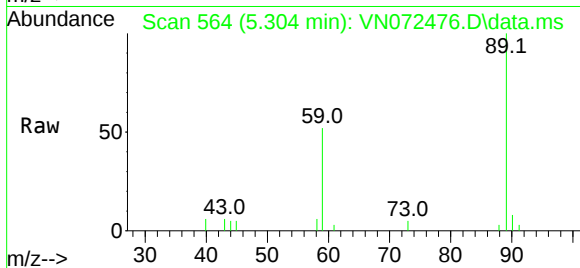
MH-31D

Tgt Ion: 59 Resp: 12773

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.365 ug/l

RT: 4.316 min Scan# 396

Delta R.T. 0.035 min

Lab File: VN072476.D

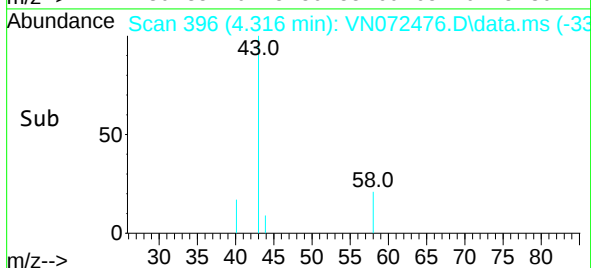
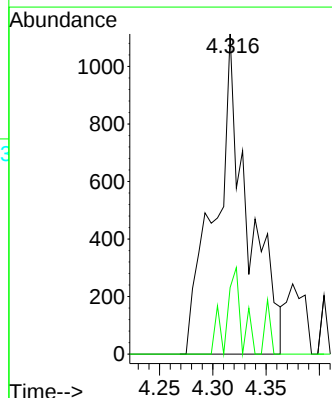
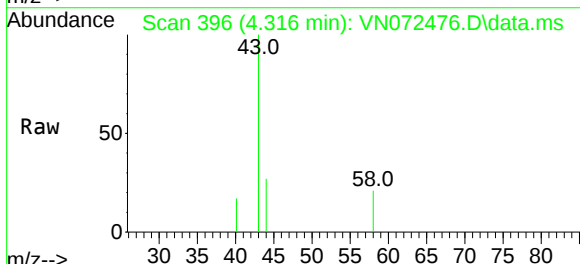
Acq: 13 May 2022 14:48

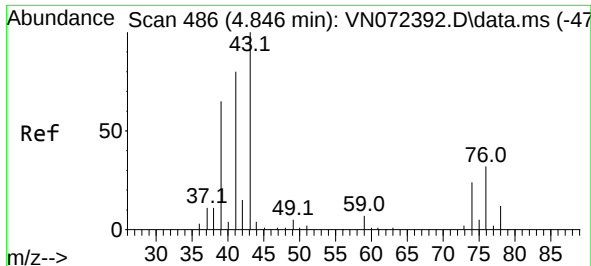
Tgt Ion: 43 Resp: 2390

Ion Ratio Lower Upper

43 100

58 20.8 26.0 39.0#

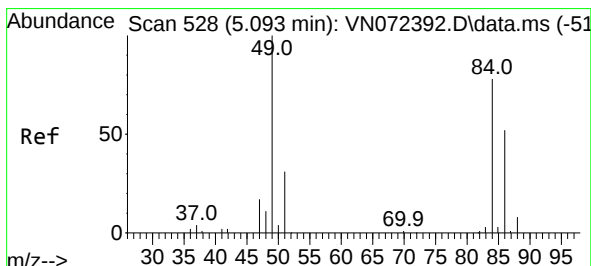
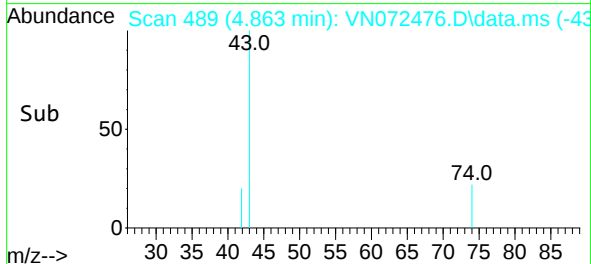
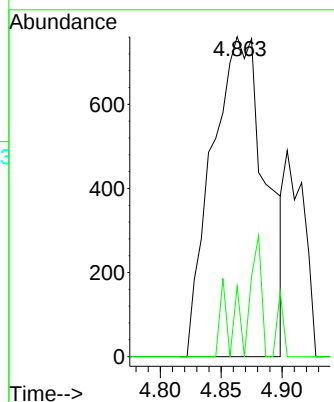
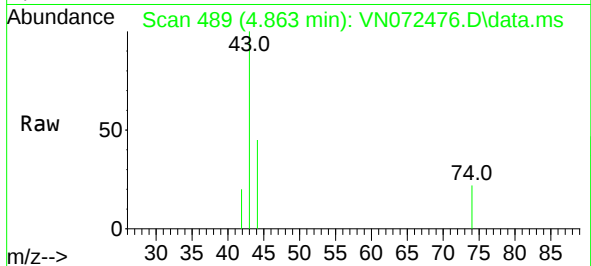




#18
Methyl Acetate
Concen: 0.452 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

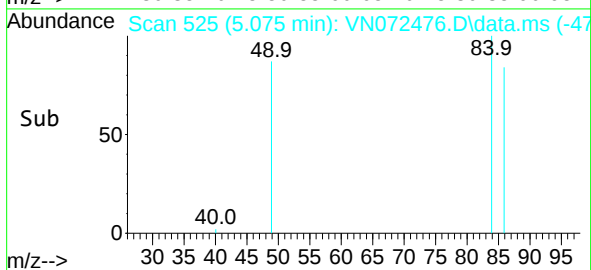
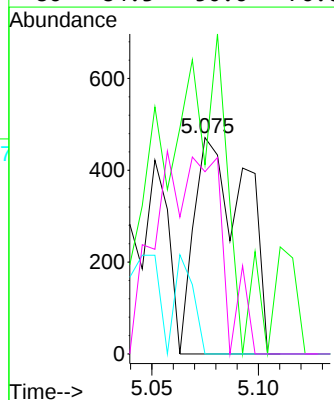
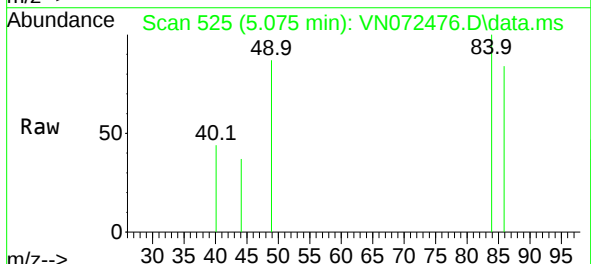
Instrument :
MSVOA_N
ClientSampleId :
MH-31D

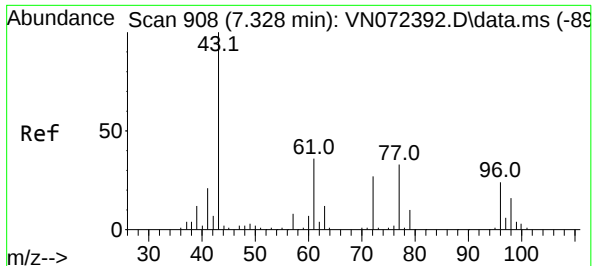
Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
74 2.8 21.6 32.4#



#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 5.075 min Scan# 525
Delta R.T. -0.018 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 84 Resp: 783
Ion Ratio Lower Upper
84 100
49 38.0 88.3 132.5#
51 0.0 28.2 42.2#
86 84.3 50.6 76.0#





#25

2-Butanone

Concen: 7.103 ug/l

RT: 7.363 min Scan# 914

Delta R.T. 0.035 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

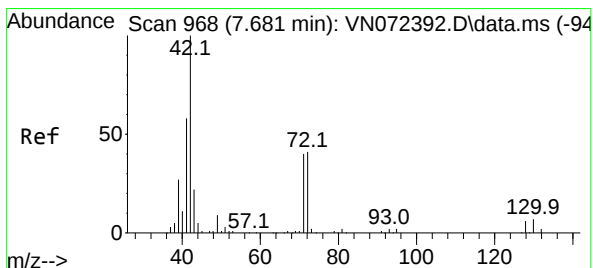
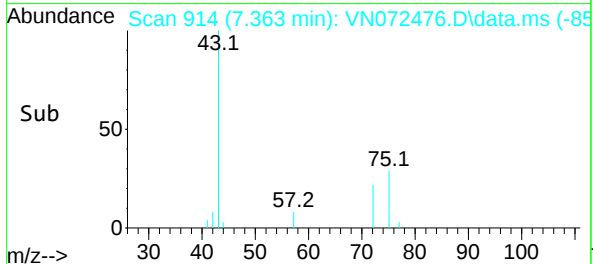
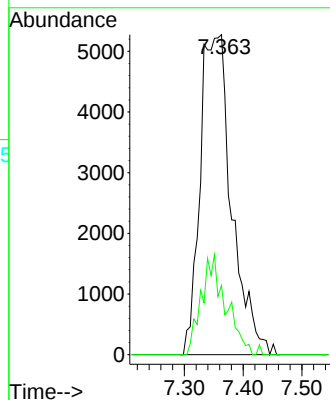
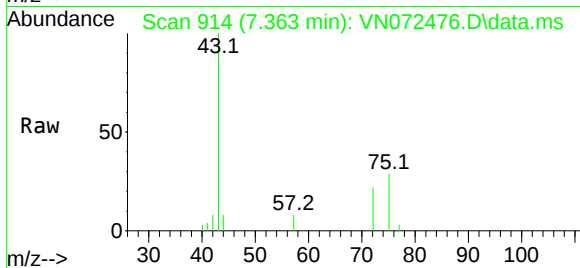
MH-31D

Tgt Ion: 43 Resp: 19626

Ion Ratio Lower Upper

43 100

72 21.7 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.641 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.023 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

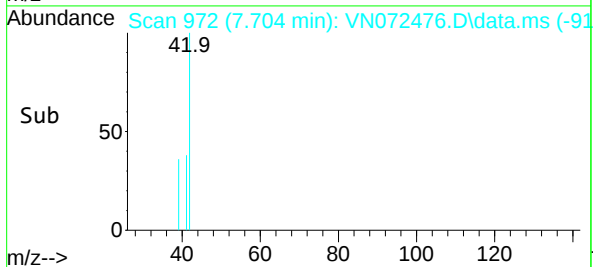
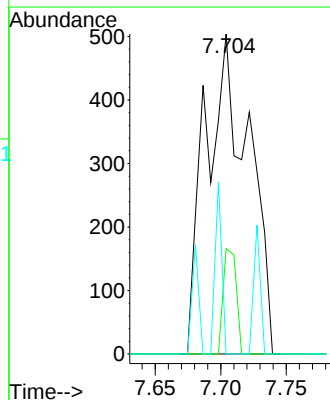
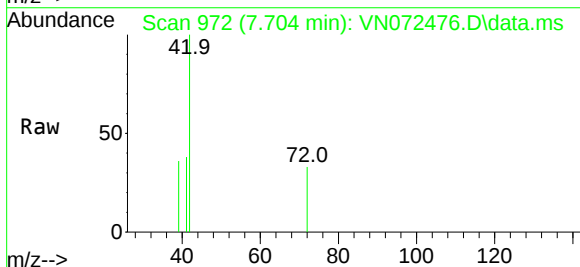
Tgt Ion: 42 Resp: 1151

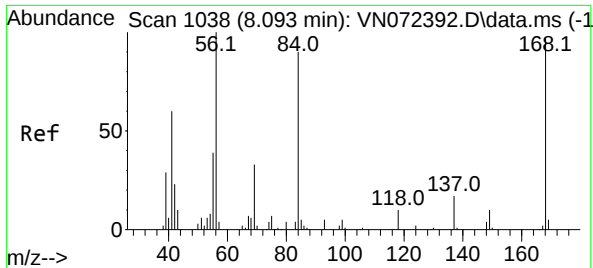
Ion Ratio Lower Upper

42 100

72 9.9 39.7 59.5#

71 8.3 36.6 55.0#

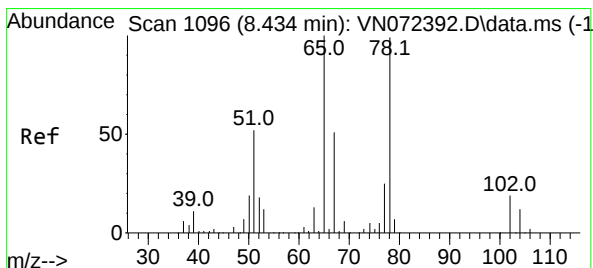
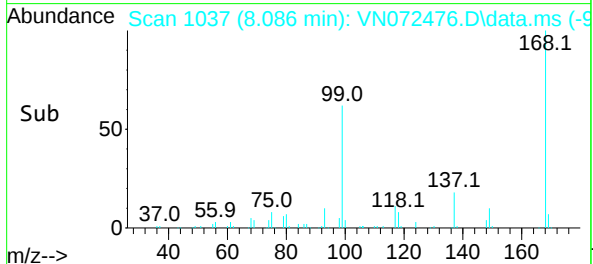
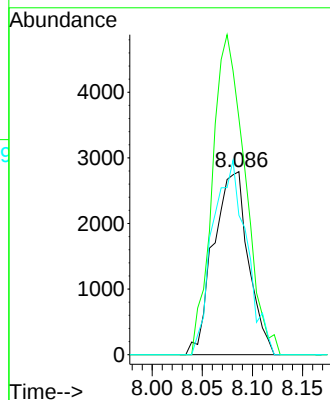
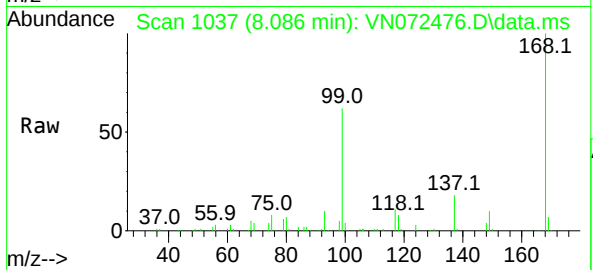




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.007 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

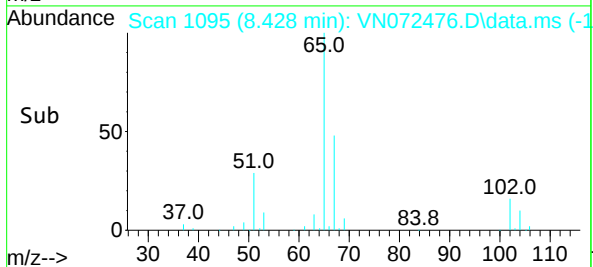
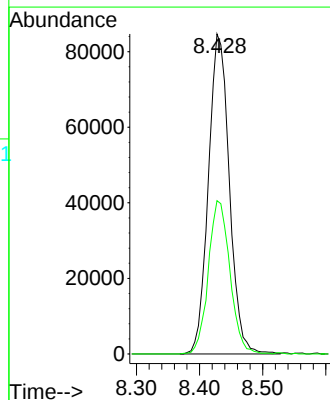
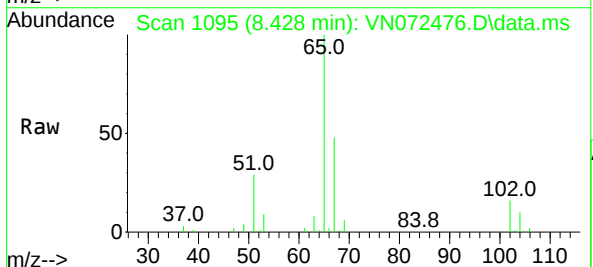
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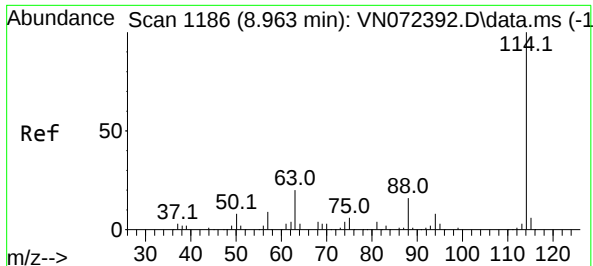
Tgt Ion: 56 Resp: 6744
Ion Ratio Lower Upper
56 100
69 129.1 27.8 41.8#
84 76.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.158 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 65 Resp: 195202
Ion Ratio Lower Upper
65 100
67 49.3 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: VN072476.D

Acq: 13 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

MH-31D

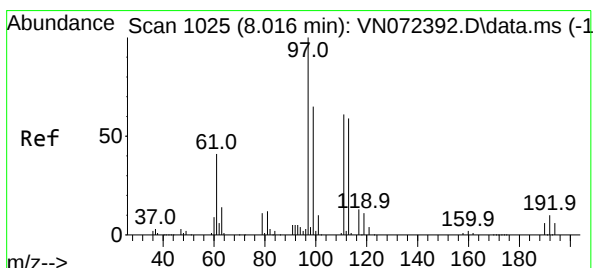
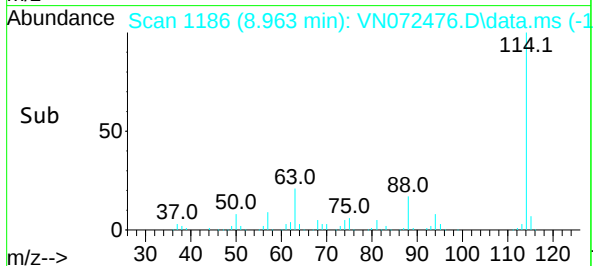
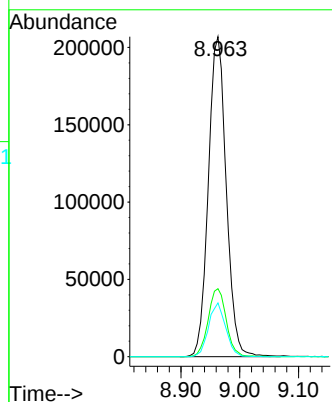
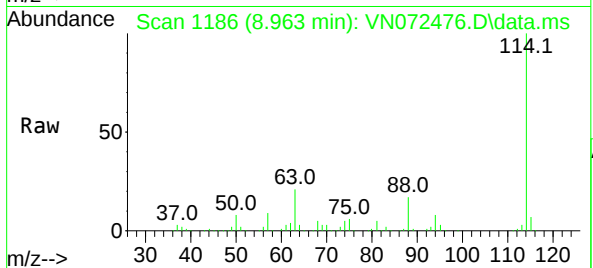
Tgt Ion:114 Resp: 438294

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.569 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

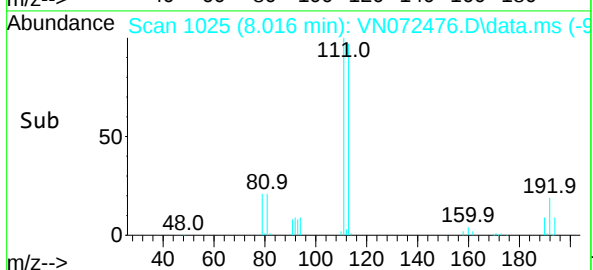
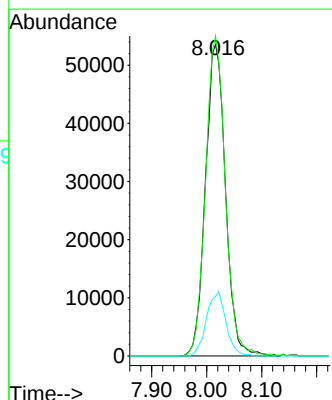
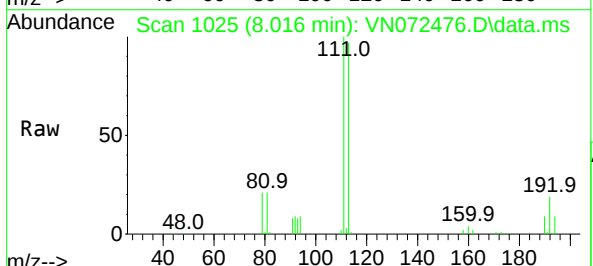
Tgt Ion:113 Resp: 135792

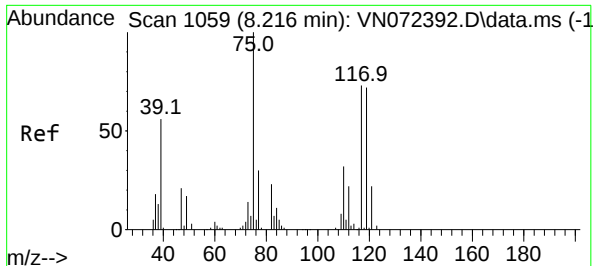
Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 20.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.547 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

MH-31D

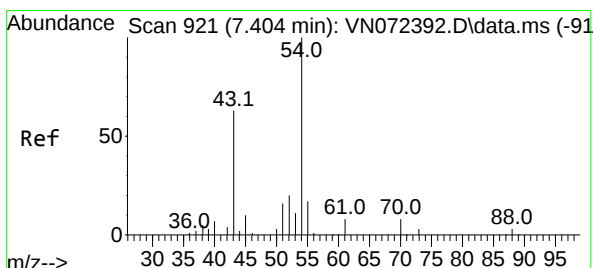
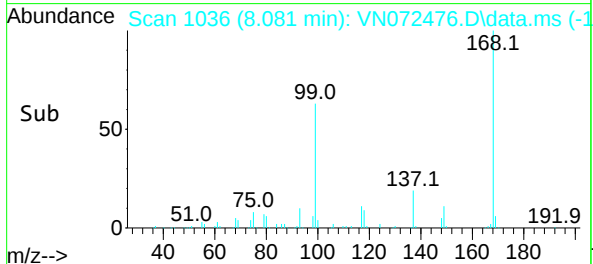
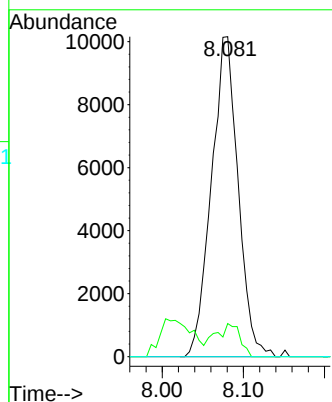
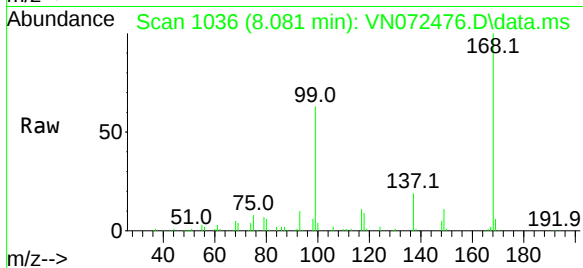
Tgt Ion: 75 Resp: 23233

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.906 ug/l

RT: 7.363 min Scan# 914

Delta R.T. -0.041 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

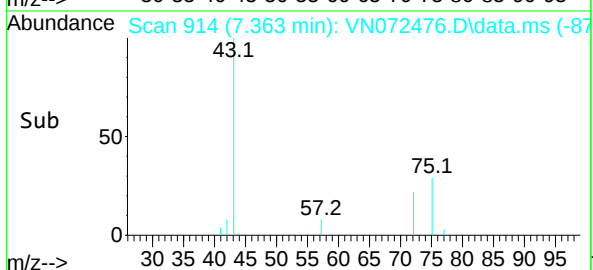
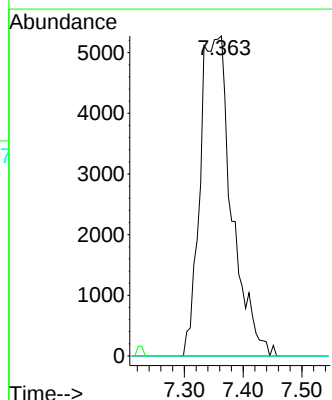
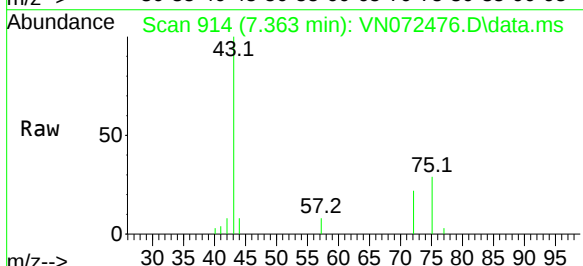
Tgt Ion: 43 Resp: 19626

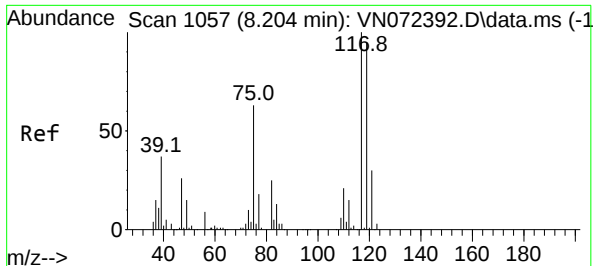
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 6.650 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.123 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

Instrument :

MSVOA_N

ClientSampleId :

MH-31D

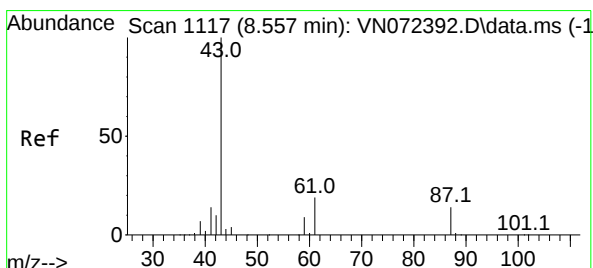
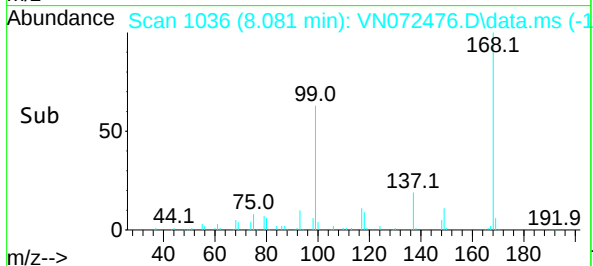
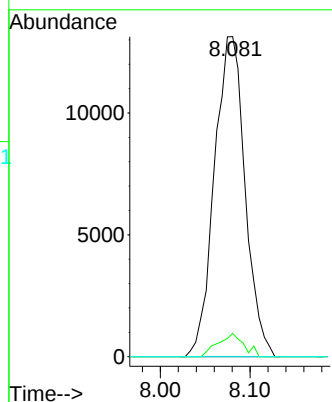
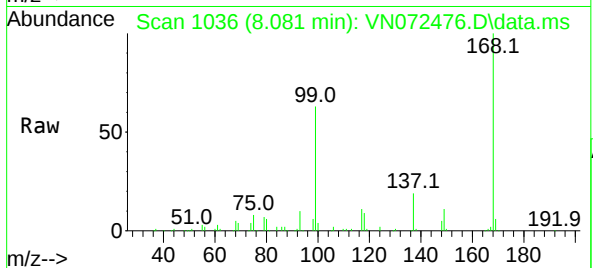
Tgt Ion:117 Resp: 31169

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

121 0.0 24.6 37.0#



#43

Isopropyl Acetate

Concen: 0.328 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. 0.000 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

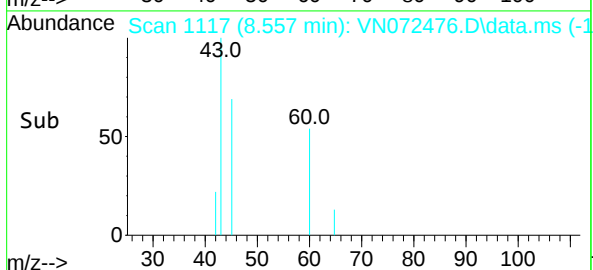
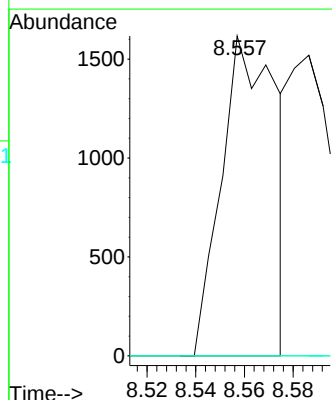
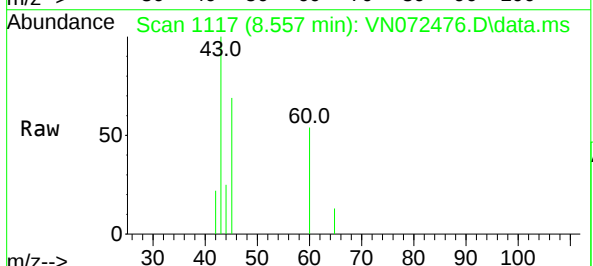
Tgt Ion: 43 Resp: 2534

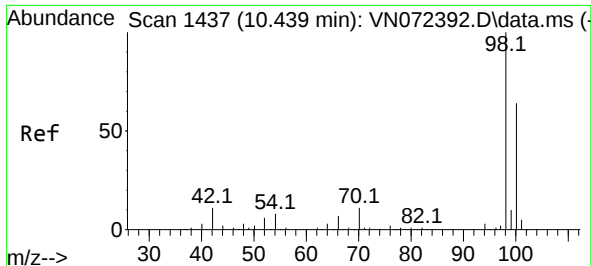
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

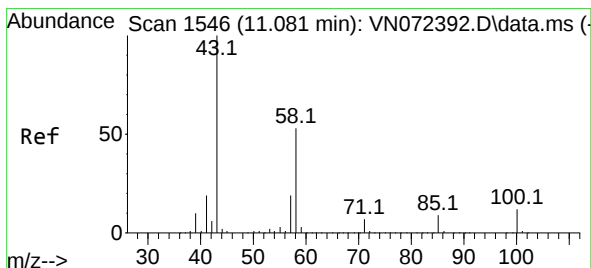
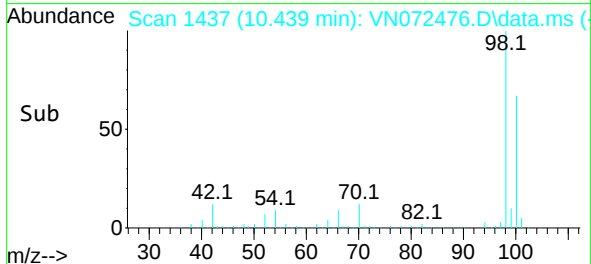
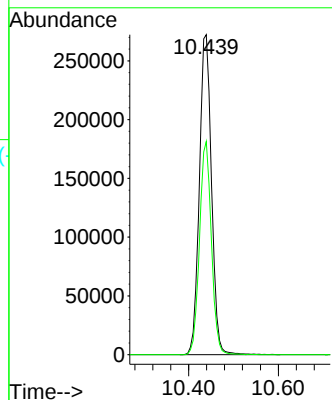
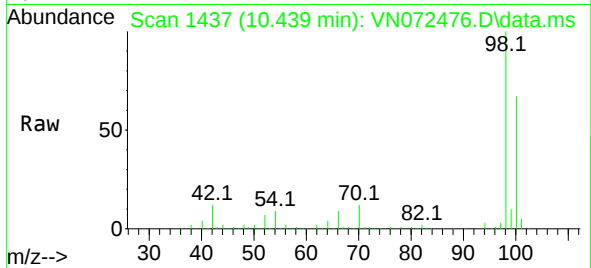




#50
Toluene-d8
Concen: 46.020 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

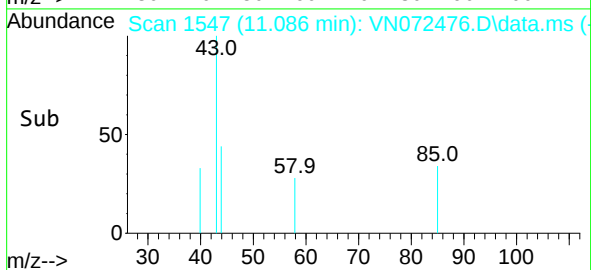
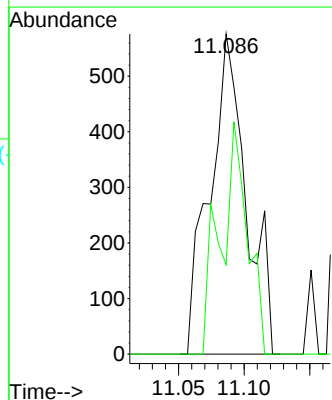
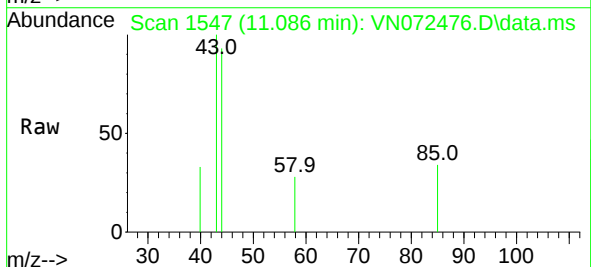
Instrument :
MSVOA_N
ClientSampleId :
MH-31D

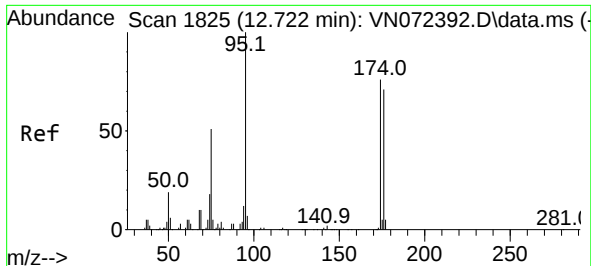
Tgt Ion: 98 Resp: 511069
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#59
2-Hexanone
Concen: 0.332 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 53.7 29.7 89.1

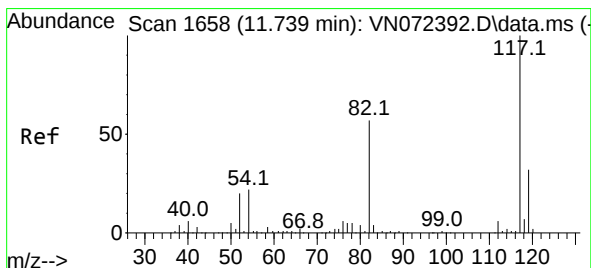
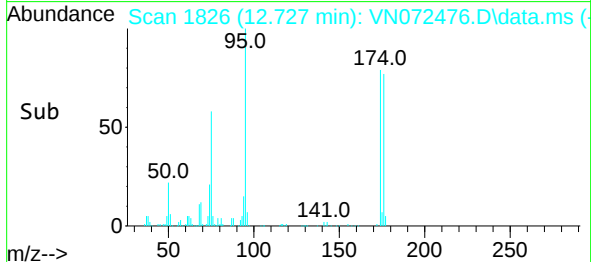
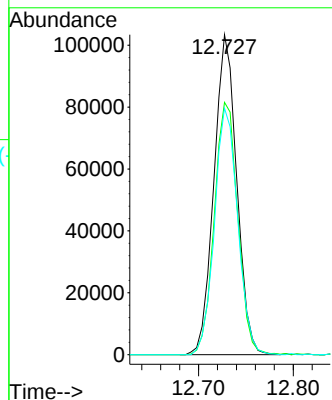
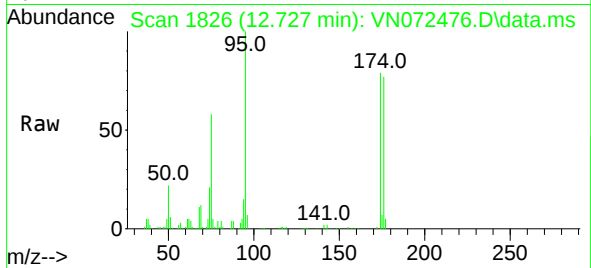




#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.005 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

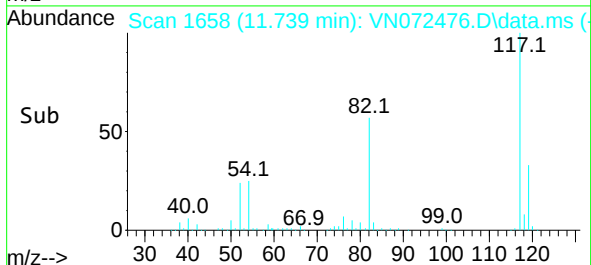
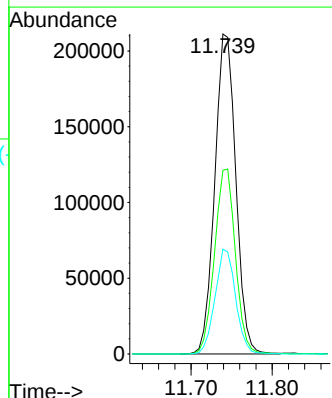
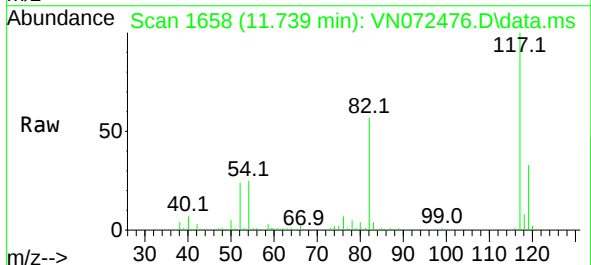
Instrument :
MSVOA_N
ClientSampleId :
MH-31D

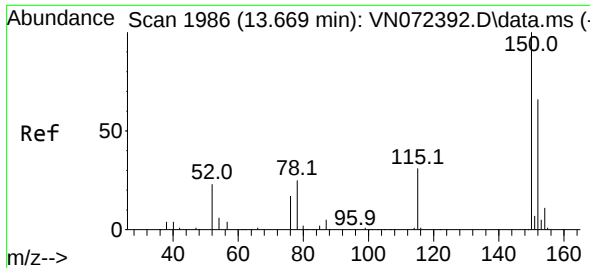
Tgt Ion: 95 Resp: 172818
Ion Ratio Lower Upper
95 100
174 81.4 0.0 167.6
176 78.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072476.D
Acq: 13 May 2022 14:48

Tgt Ion: 117 Resp: 380975
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 32.8 25.4 38.0

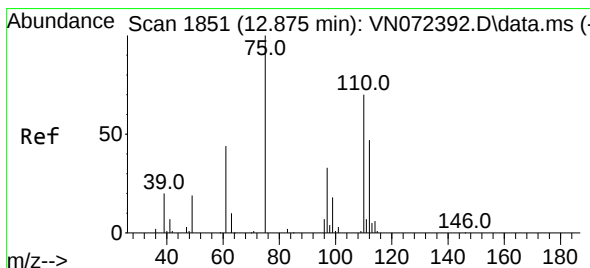
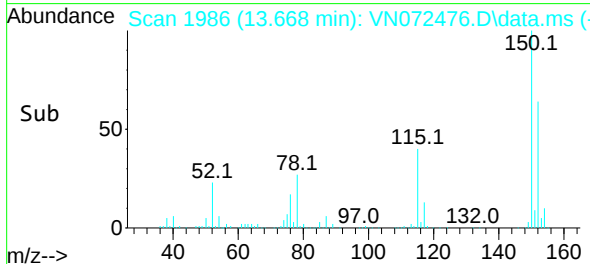
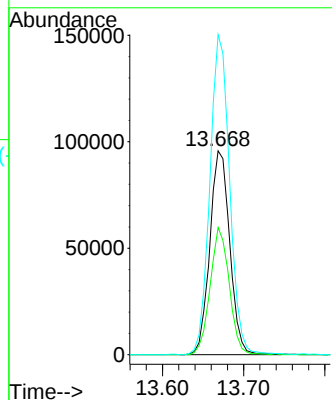
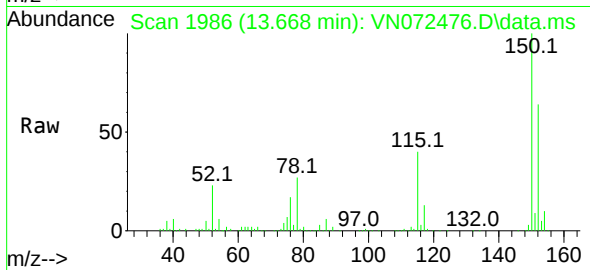




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072476.D
 Acq: 13 May 2022 14:48

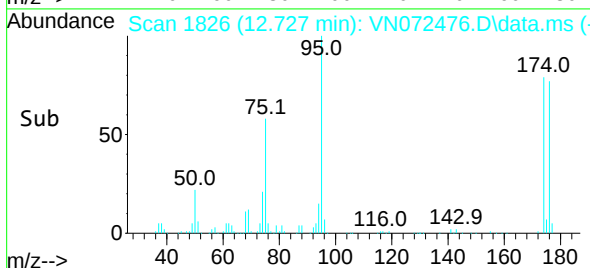
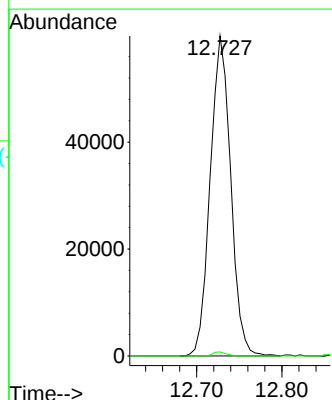
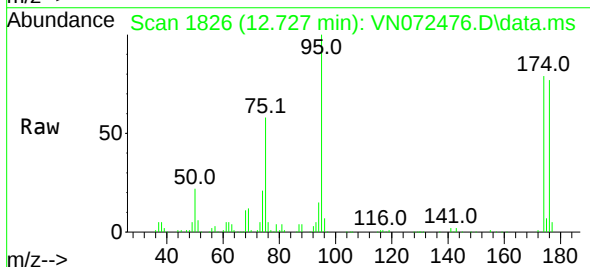
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-31D

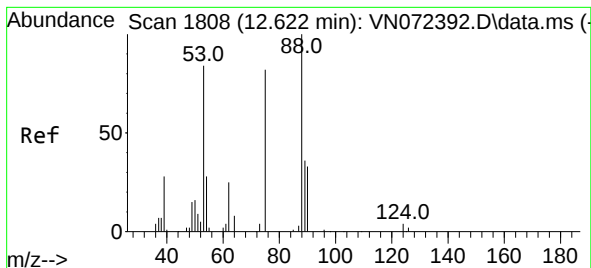
Tgt Ion:152 Resp: 163469
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.9 86.7
 150 155.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.490 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.148 min
 Lab File: VN072476.D
 Acq: 13 May 2022 14:48

Tgt Ion: 75 Resp: 100154
 Ion Ratio Lower Upper
 75 100
 77 0.8 98.5 295.5#

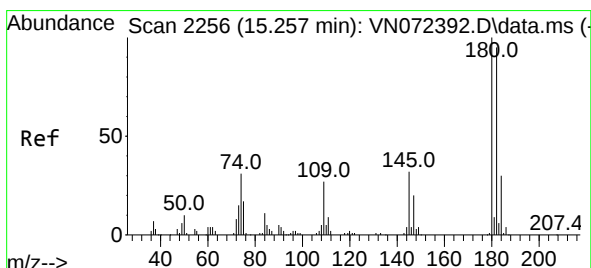
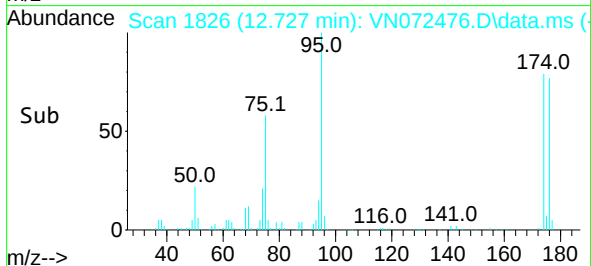
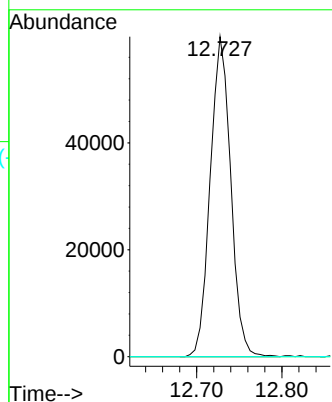
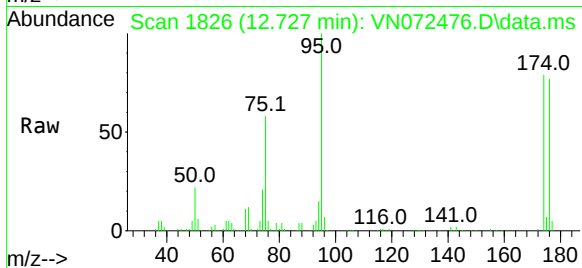




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.365 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN072476.D
 Acq: 13 May 2022 14:48

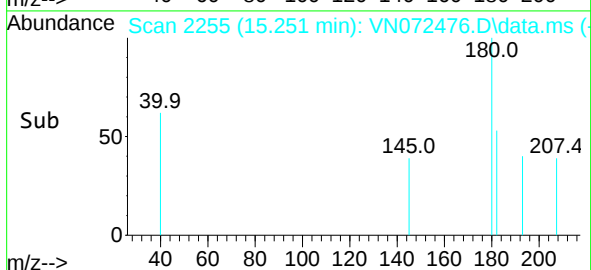
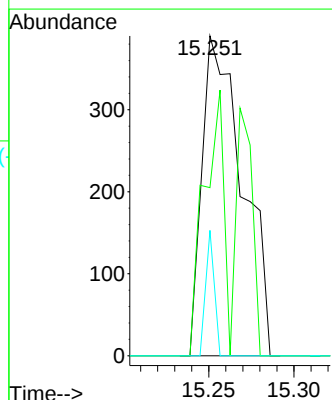
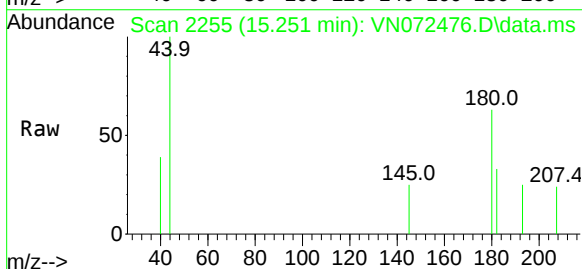
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-31D

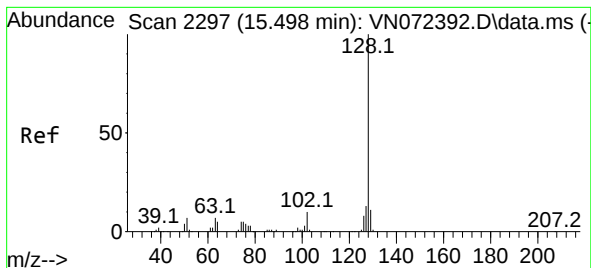
Tgt Ion: 75 Resp: 100154
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.305 ug/l
 RT: 15.251 min Scan# 2255
 Delta R.T. -0.006 min
 Lab File: VN072476.D
 Acq: 13 May 2022 14:48

Tgt Ion:180 Resp: 645
 Ion Ratio Lower Upper
 180 100
 182 40.3 47.5 142.5#
 145 8.4 14.5 43.5#





#95

Naphthalene

Concen: 3.609 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

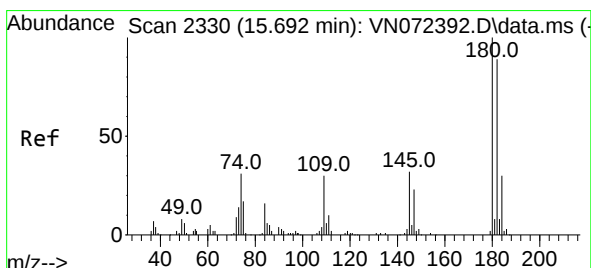
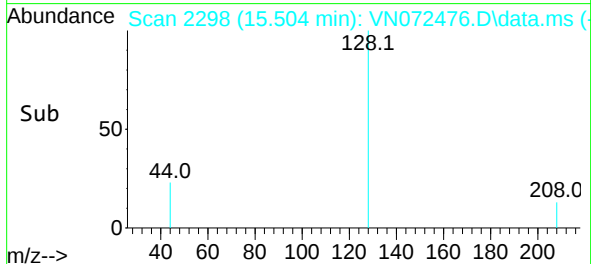
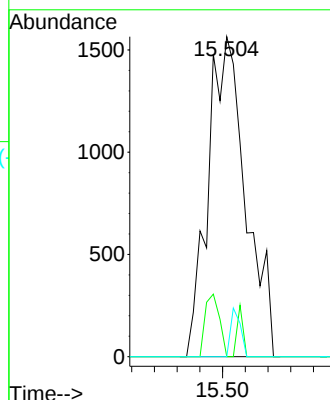
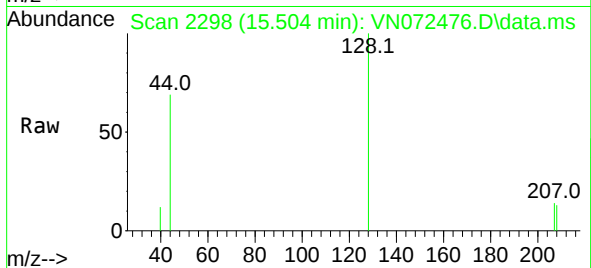
Instrument :

MSVOA_N

ClientSampleId :

MH-31D

Tgt Ion:128	Resp:	3605
Ion Ratio	Lower	Upper
128	100	
127	2.5	10.3 15.5#
129	3.9	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.460 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072476.D

Acq: 13 May 2022 14:48

Tgt Ion:180	Resp:	974
Ion Ratio	Lower	Upper
180	100	
182	72.8	47.8 143.3
145	0.0	15.5 46.5#

