

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071771.D
 Acq On : 01 Apr 2022 23:21
 Operator : JC\MD
 Sample : VN0401WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL02

Quant Time: Apr 02 00:59:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

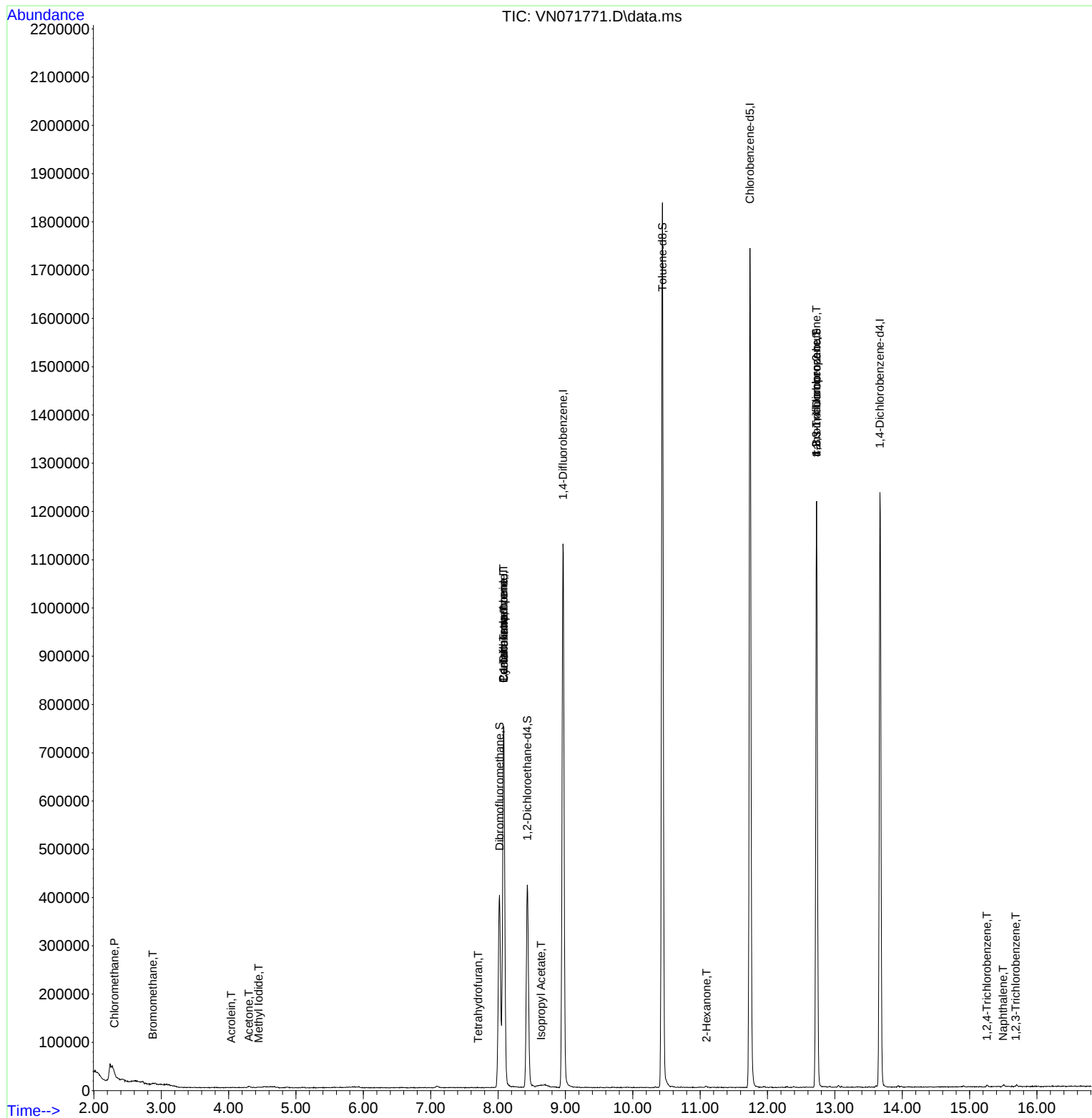
Internal Standards						
1) Pentafluorobenzene	8.081	168	617943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1053309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1069259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	368560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	354189	50.207	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.420%
35) Dibromofluoromethane	8.022	113	298458	48.153	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.300%
50) Toluene-d8	10.439	98	1321023	52.101	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.727	95	428844	52.297	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.600%
Target Compounds						
						Qvalue
3) Chloromethane	2.305	50	2425	0.390	ug/l	95
5) Bromomethane	2.875	94	2038	0.459	ug/l	85
10) Methyl Iodide	4.446	142	1579	0.211	ug/l #	58
13) Acrolein	4.040	56	465	0.333	ug/l	98
16) Acetone	4.299	43	2631	0.873	ug/l #	71
18) Methyl Acetate	4.863	43	2732	Below Cal	#	60
29) Tetrahydrofuran	7.704	42	583	0.207	ug/l #	37
31) Cyclohexane	8.087	56	10354	1.079	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	43714	5.050	ug/l #	49
38) Carbon Tetrachloride	8.081	117	54947	6.477	ug/l #	17
43) Isopropyl Acetate	8.639	43	7336	0.466	ug/l #	53
59) 2-Hexanone	11.092	43	2889	0.453	ug/l	69
76) 1,2,3-Trichloropropane	12.727	75	213406	24.995	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	213406	77.458	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	1560	2.341	ug/l	91
95) Naphthalene	15.498	128	4448	4.048	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.686	180	1689	2.697	ug/l	93

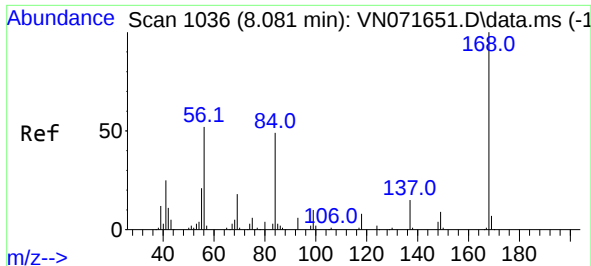
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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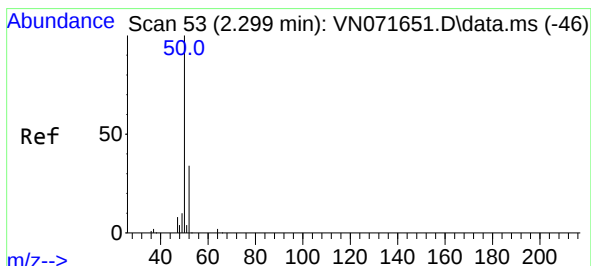
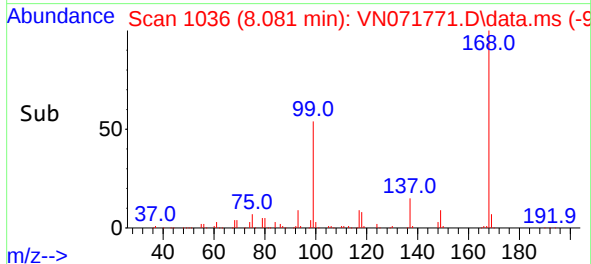
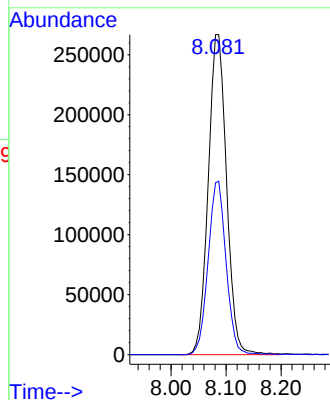
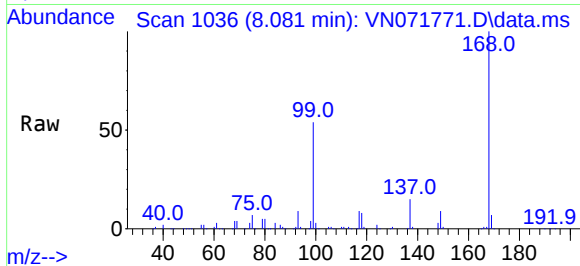




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

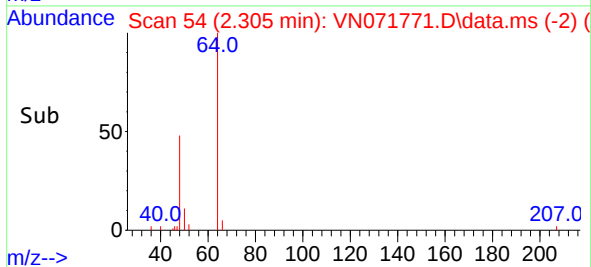
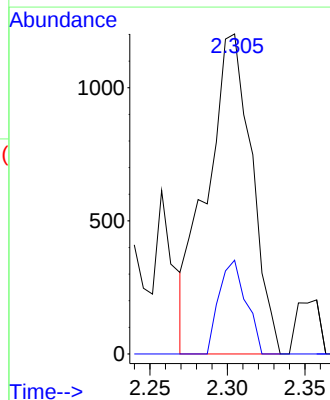
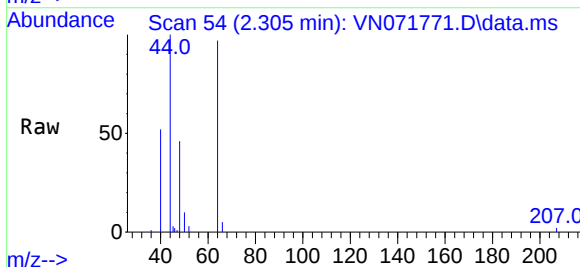
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

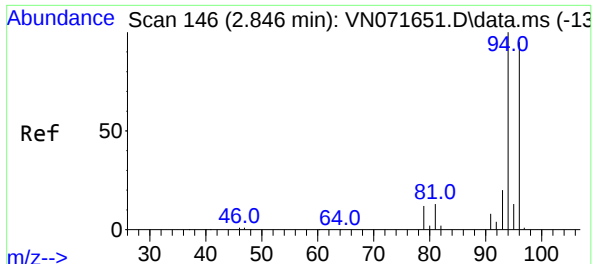
Tgt Ion:168 Resp: 617943
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#3
Chloromethane
Concen: 0.390 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 50 Resp: 2425
Ion Ratio Lower Upper
50 100
52 29.3 25.7 38.5

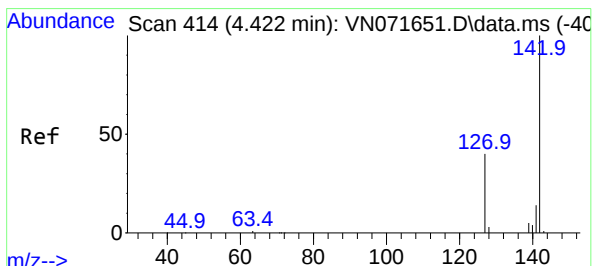
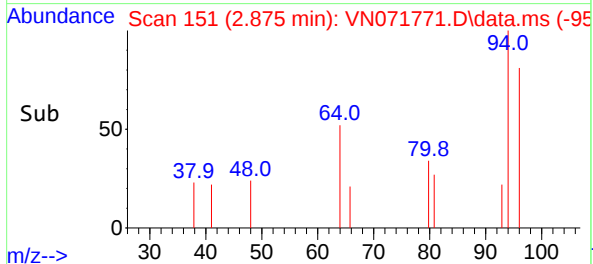
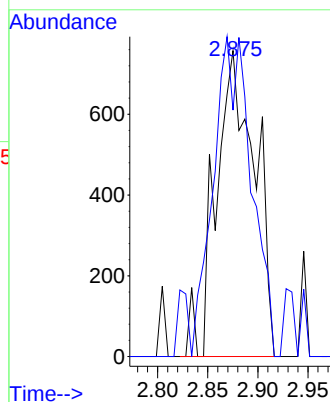
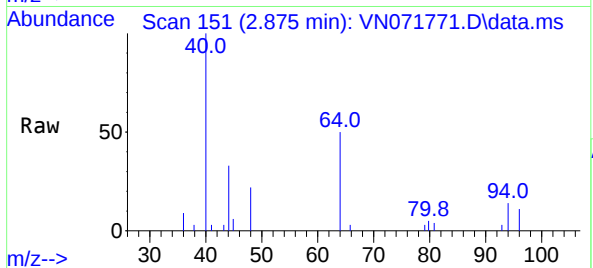




#5
Bromomethane
Concen: 0.459 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

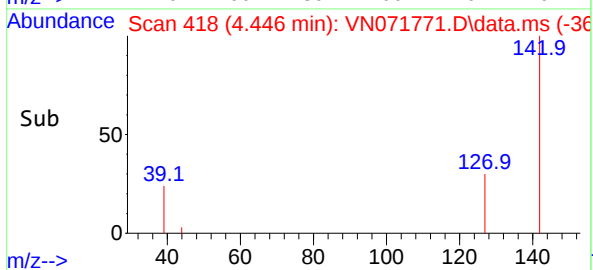
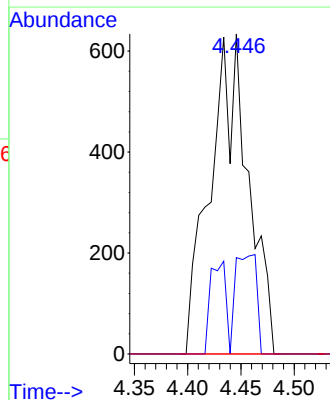
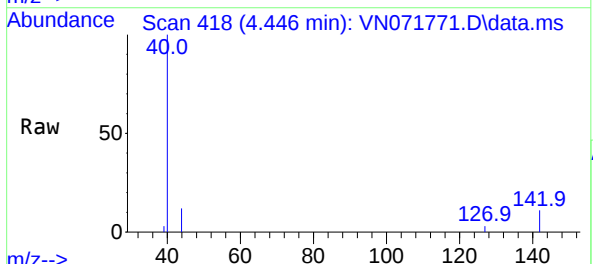
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

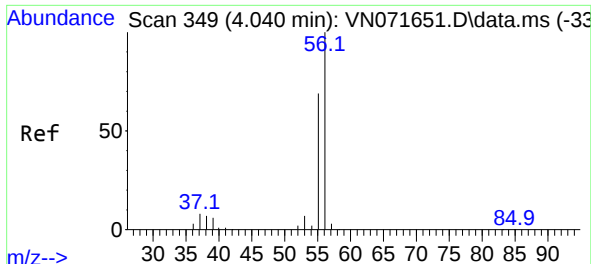
Tgt Ion: 94 Resp: 2038
Ion Ratio Lower Upper
94 100
96 80.6 76.0 114.0



#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 4.446 min Scan# 418
Delta R.T. 0.024 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 142 Resp: 1579
Ion Ratio Lower Upper
142 100
127 11.6 31.3 46.9#
141 0.0 11.2 16.8#

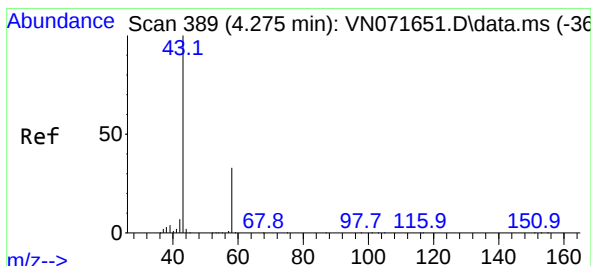
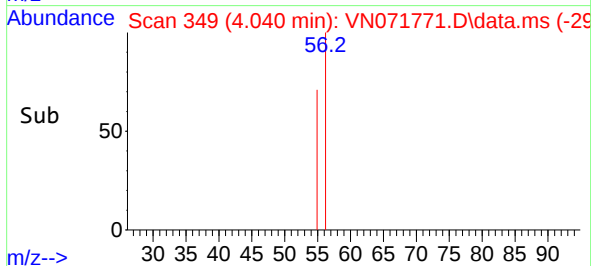
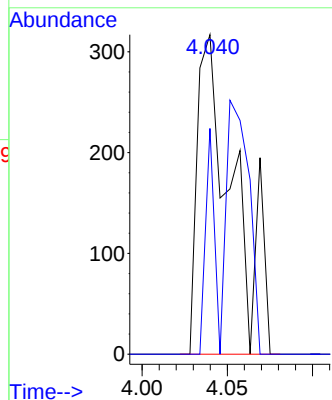
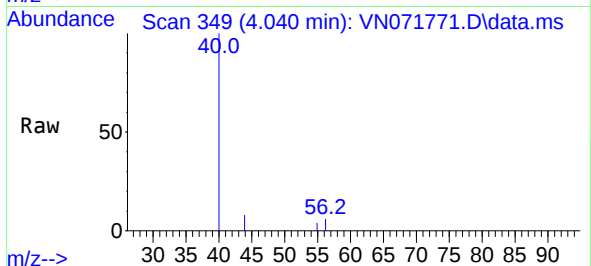




#13
Acrolein
Concen: 0.333 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

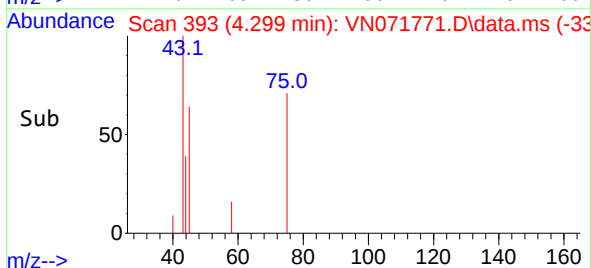
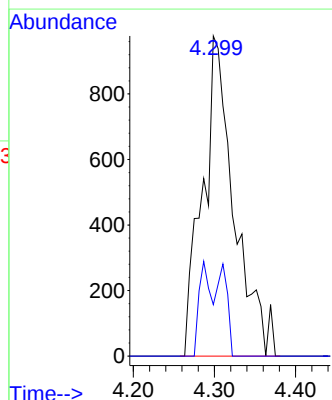
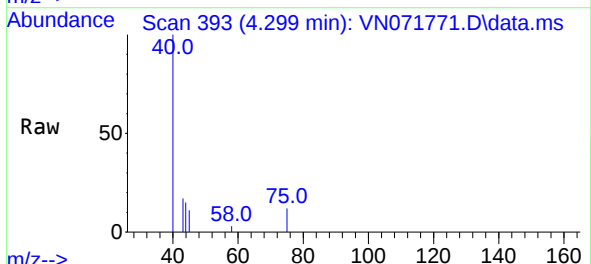
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

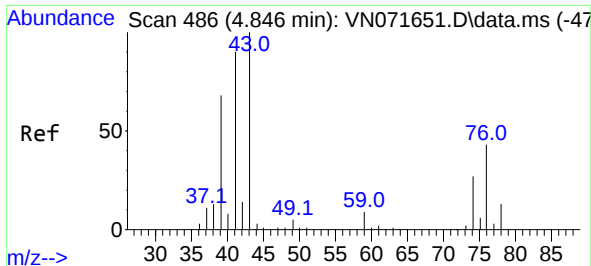
Tgt Ion: 56 Resp: 465
Ion Ratio Lower Upper
56 100
55 66.9 54.8 82.2



#16
Acetone
Concen: 0.873 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 43 Resp: 2631
Ion Ratio Lower Upper
43 100
58 16.1 26.0 39.0#

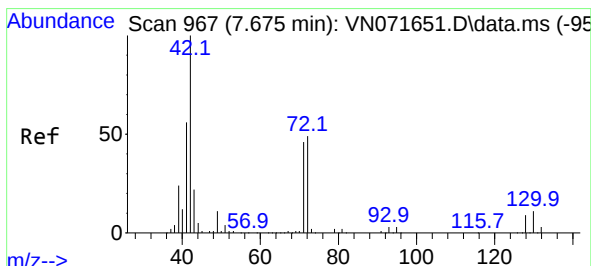
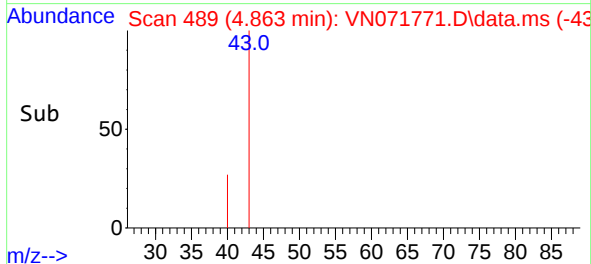
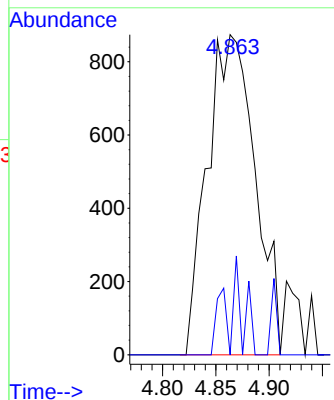
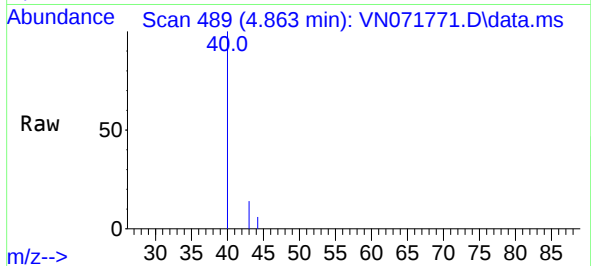




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

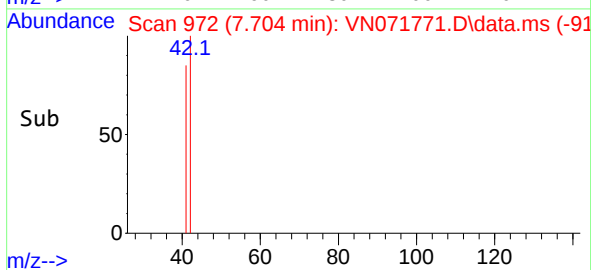
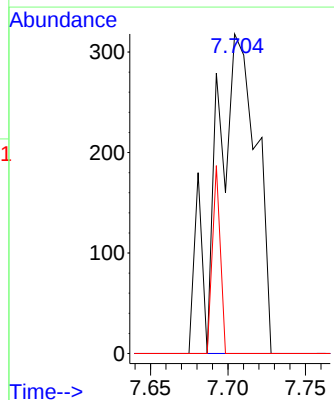
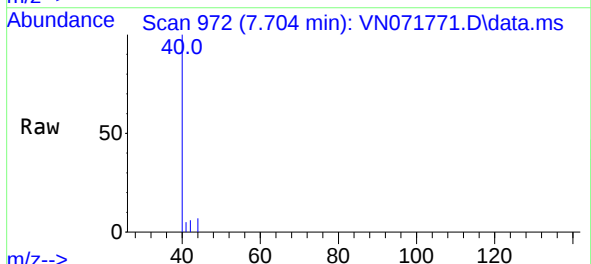
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

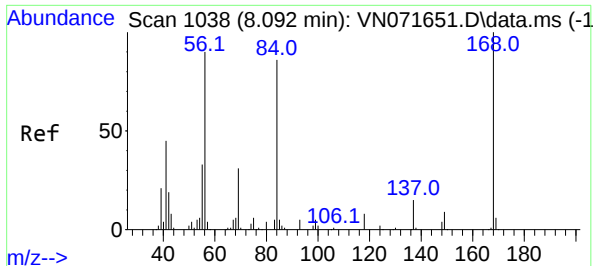
Tgt Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
74 6.1 21.6 32.4#



#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.029 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 42 Resp: 583
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 11.3 36.6 55.0#





#31

Cyclohexane

Concen: 1.079 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VN071771.D

Acq: 01 Apr 2022 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL02

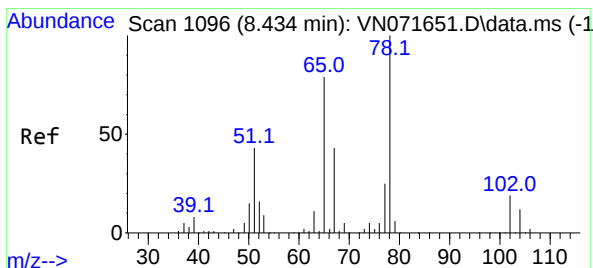
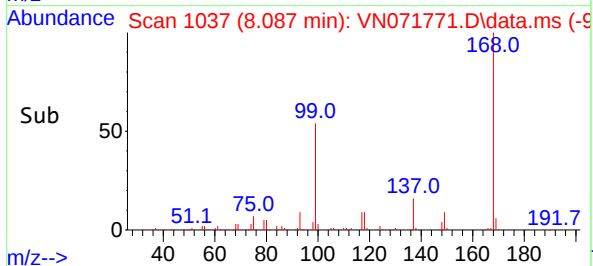
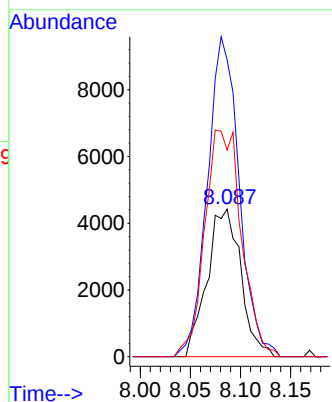
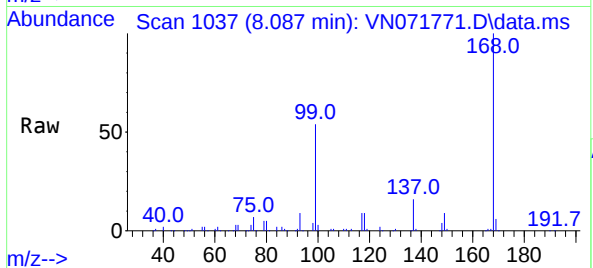
Tgt Ion: 56 Resp: 10354

Ion Ratio Lower Upper

56 100

69 201.2 27.8 41.8#

84 140.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.207 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071771.D

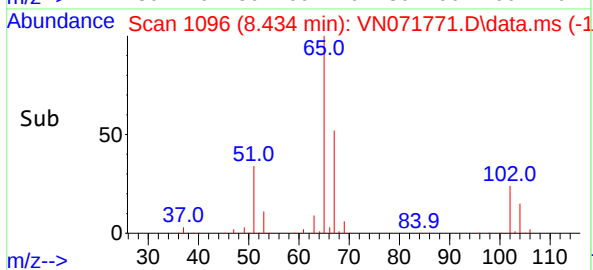
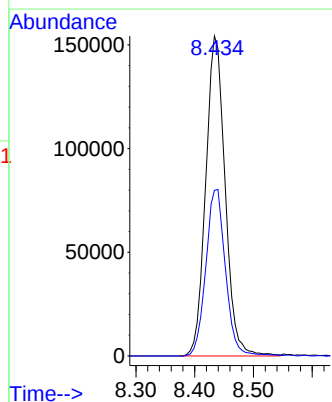
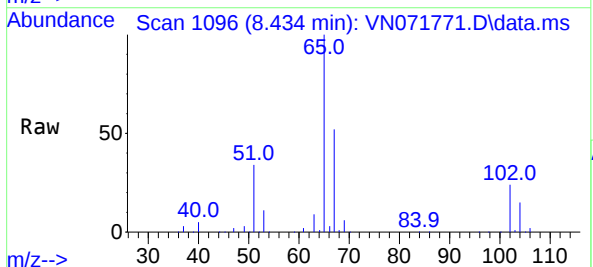
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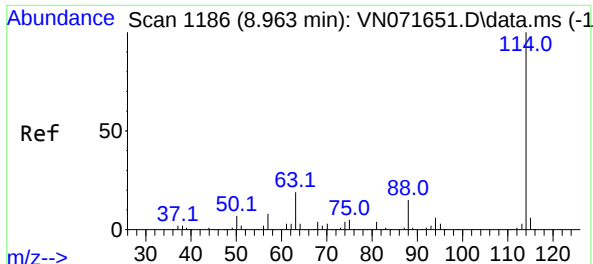
Tgt Ion: 65 Resp: 354189

Ion Ratio Lower Upper

65 100

67 52.7 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: VN071771.D

Acq: 01 Apr 2022 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL02

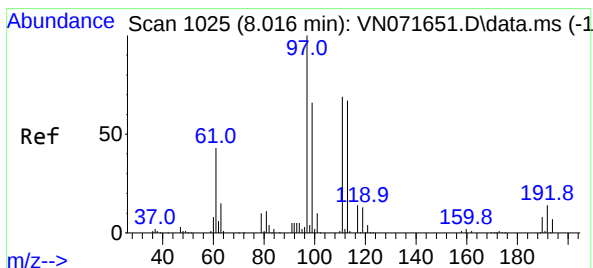
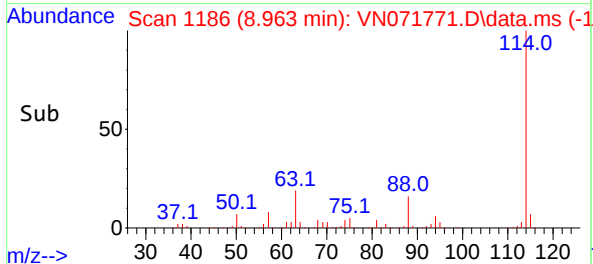
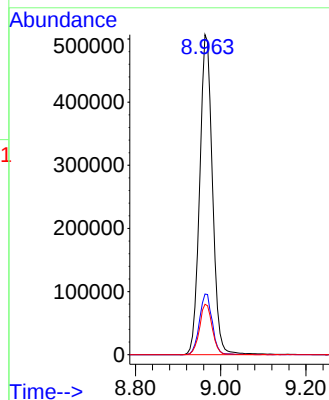
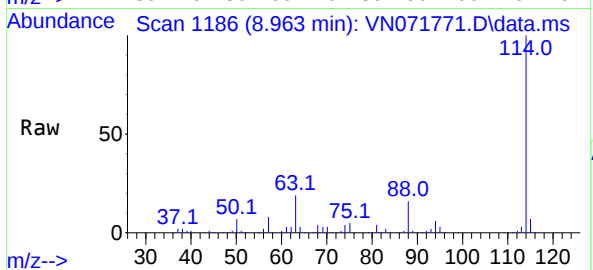
Tgt Ion:114 Resp: 1053309

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.153 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071771.D

Acq: 01 Apr 2022 23:21

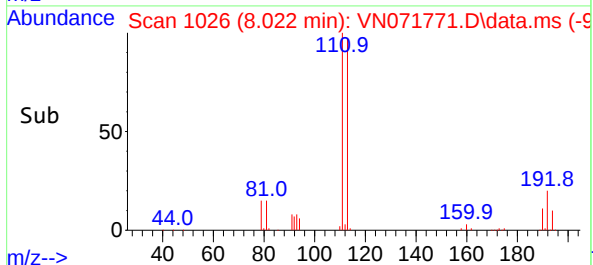
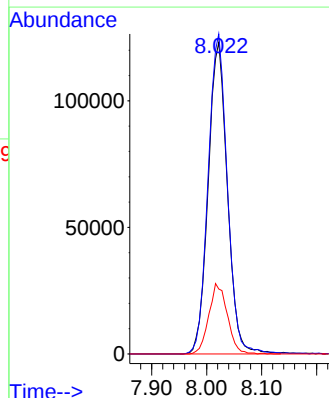
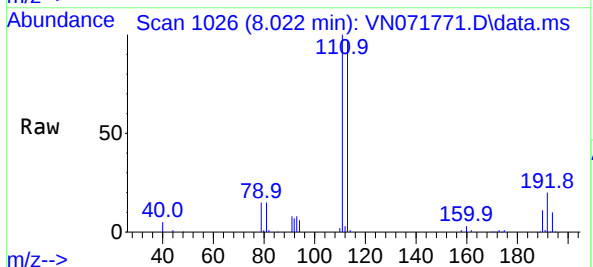
Tgt Ion:113 Resp: 298458

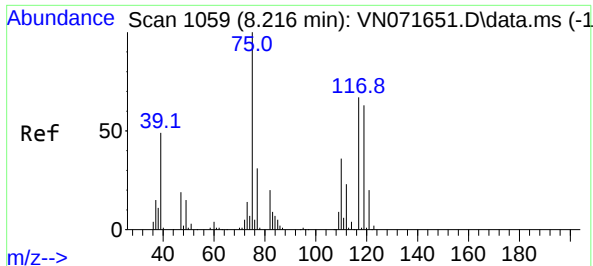
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 21.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071771.D

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VN0401WBL02

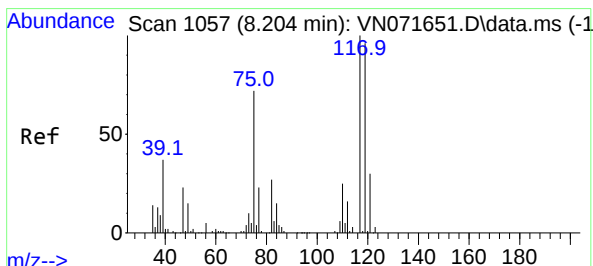
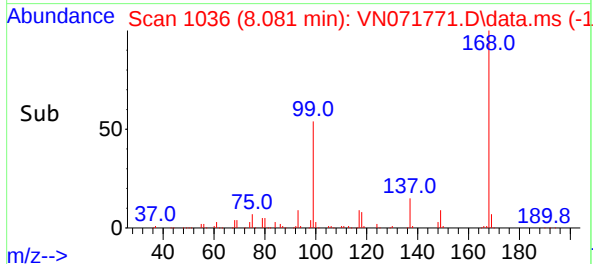
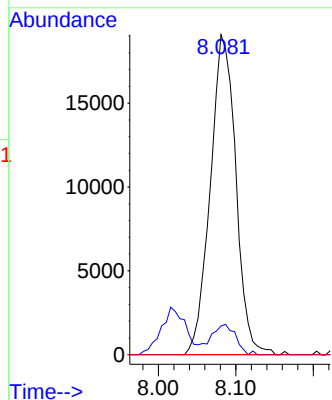
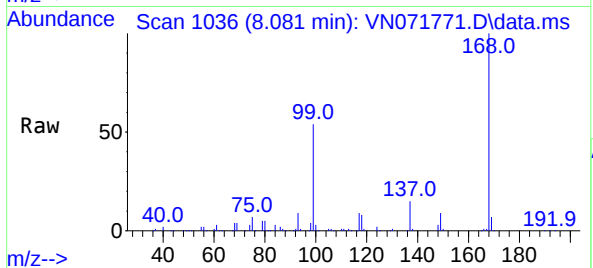
Tgt Ion: 75 Resp: 43714

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.477 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071771.D

Acq: 01 Apr 2022 23:21

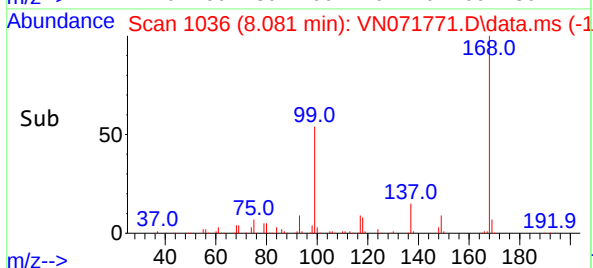
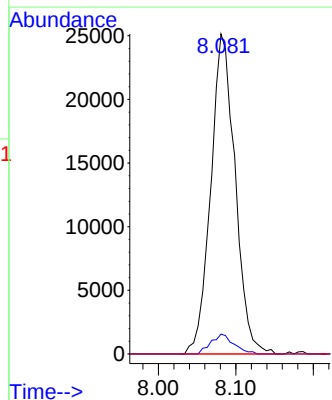
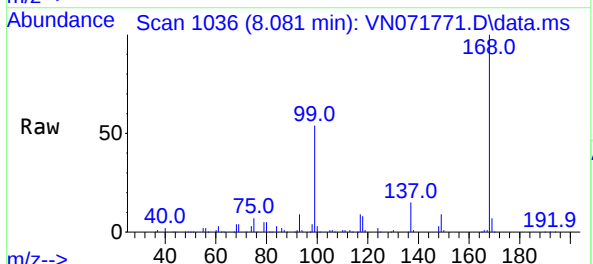
Tgt Ion: 117 Resp: 54947

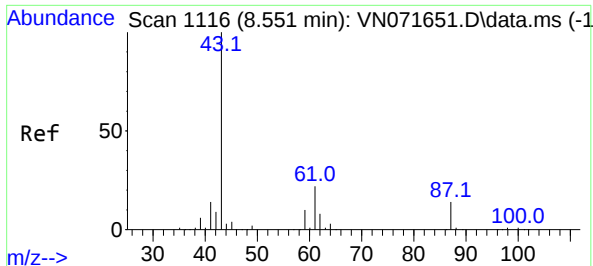
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.466 ug/l

RT: 8.639 min Scan# 1116

Delta R.T. 0.088 min

Lab File: VN071771.D

Acq: 01 Apr 2022 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL02

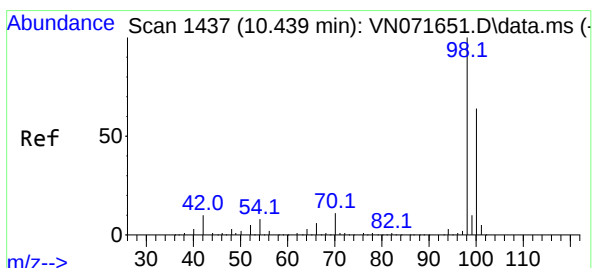
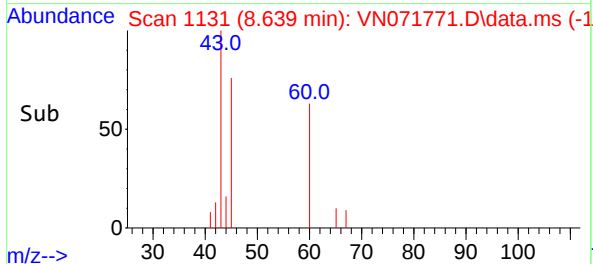
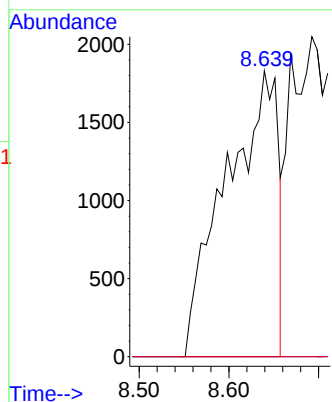
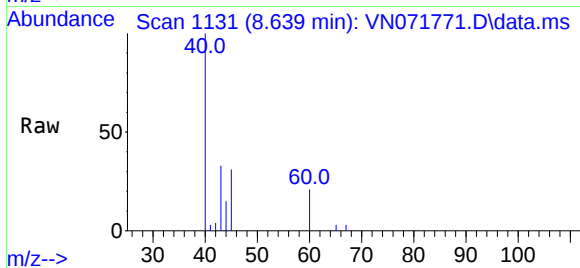
Tgt Ion: 43 Resp: 7336

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 52.101 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071771.D

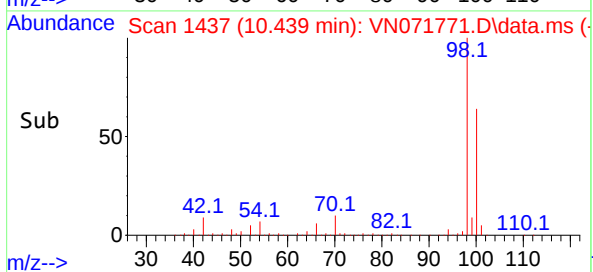
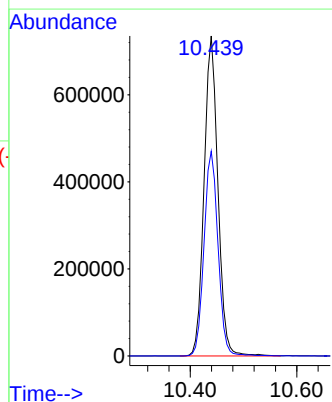
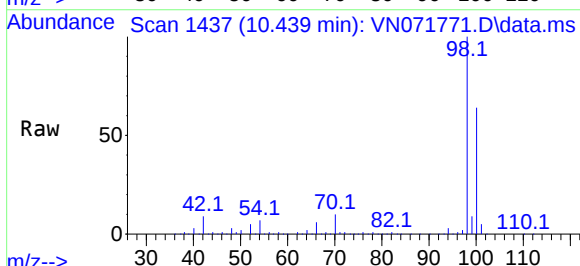
Acq: 01 Apr 2022 23:21

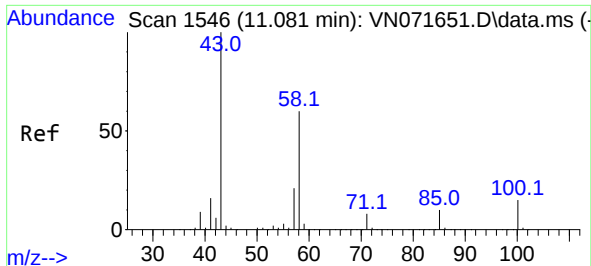
Tgt Ion: 98 Resp: 1321023

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8

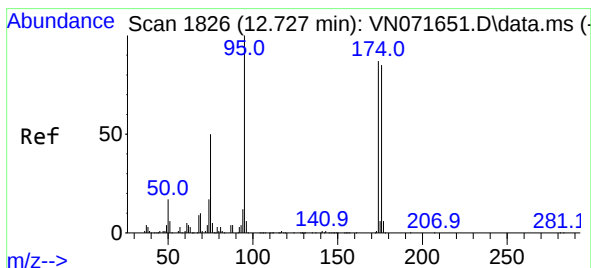
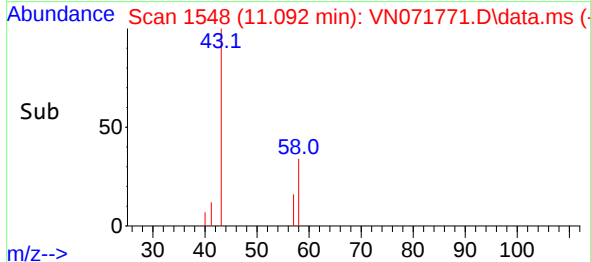
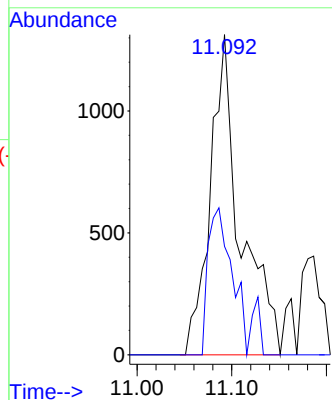
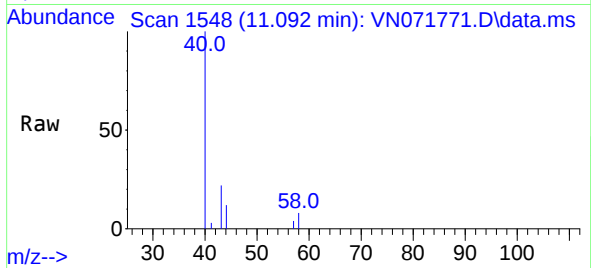




#59
2-Hexanone
Concen: 0.453 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

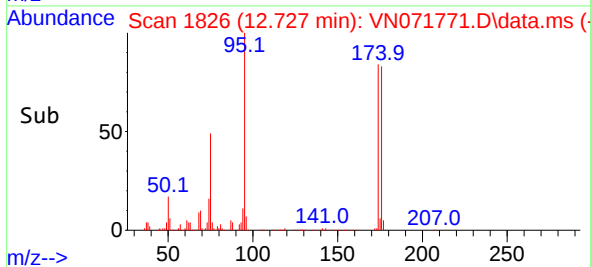
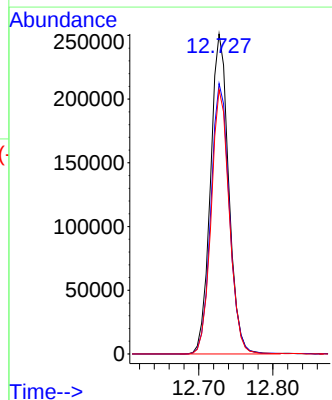
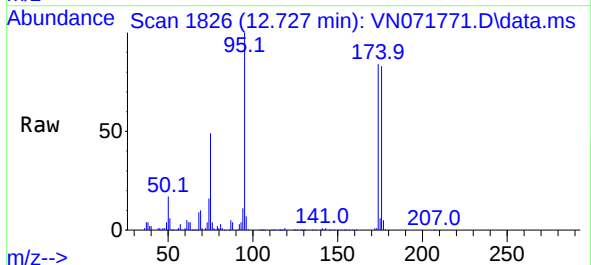
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

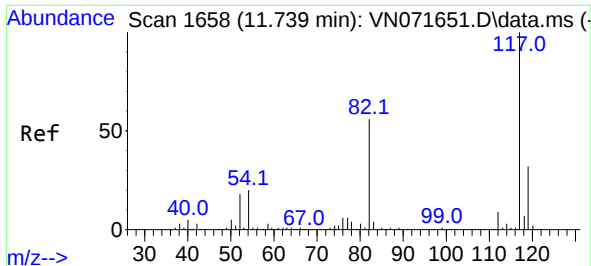
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 36.4 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 52.297 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 95 Resp: 428844
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 82.0 0.0 163.4

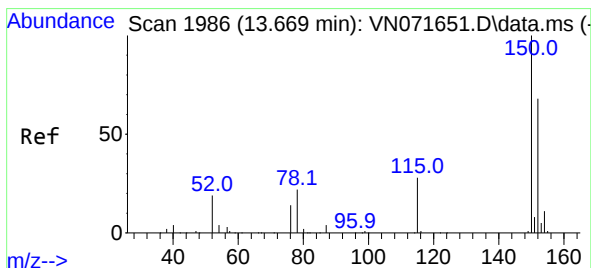
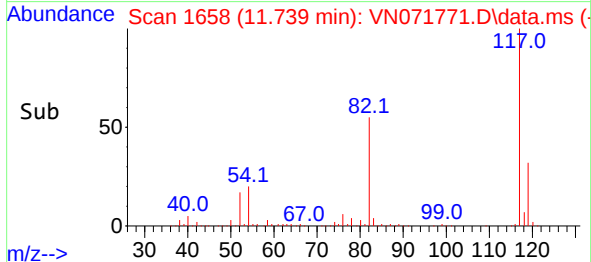
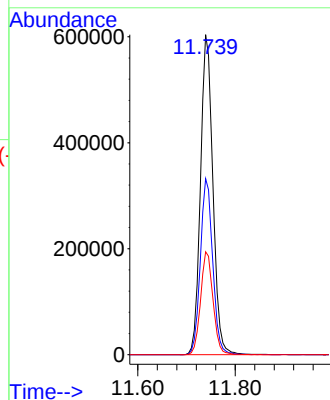
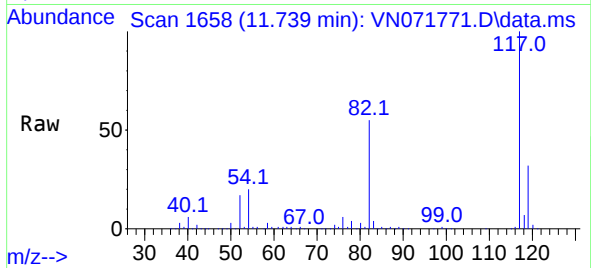




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

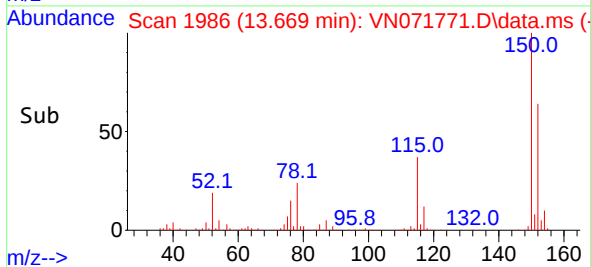
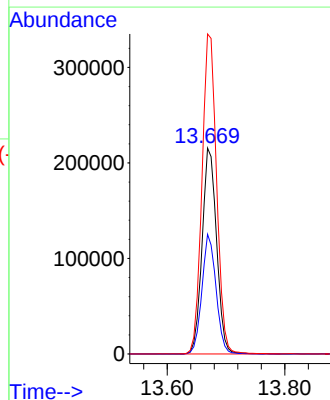
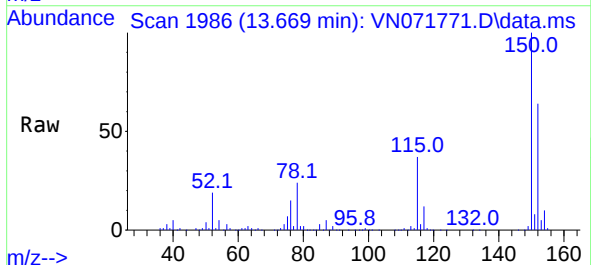
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

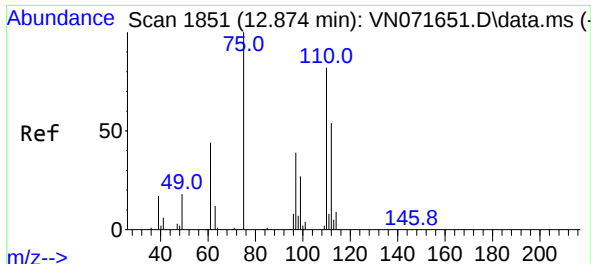
Tgt Ion:117 Resp: 1069259
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion:152 Resp: 368560
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 157.3 0.0 356.2

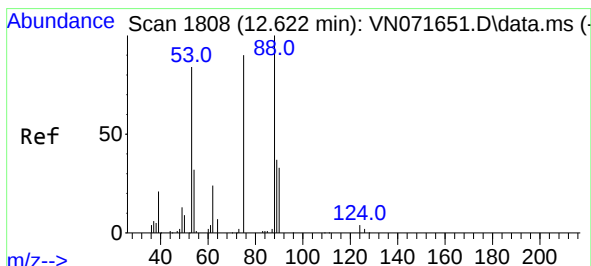
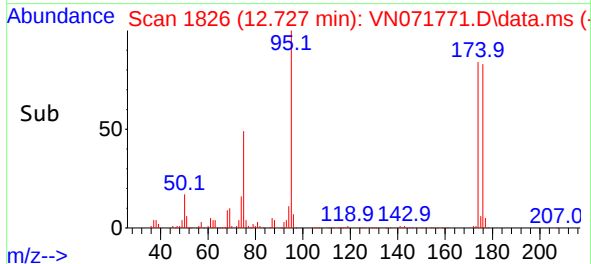
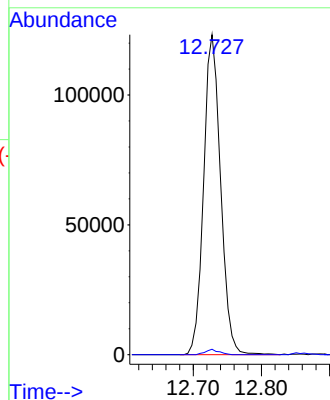
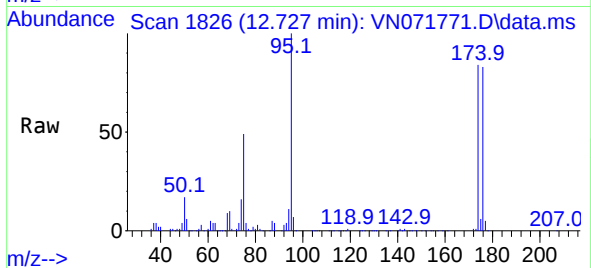




#76
1,2,3-Trichloropropane
Concen: 24.995 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

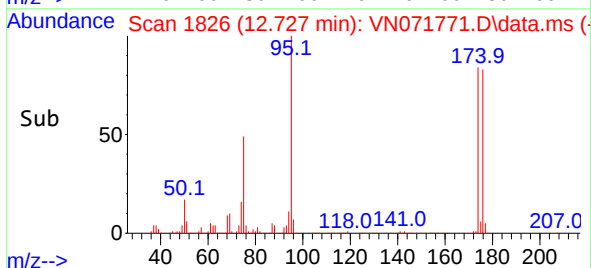
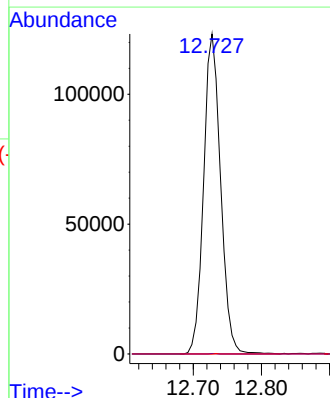
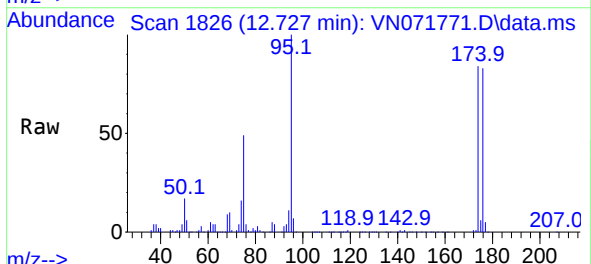
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

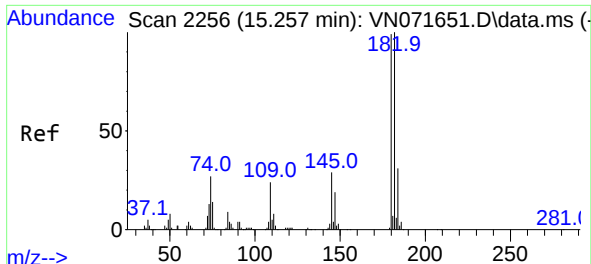
Tgt Ion: 75 Resp: 213406
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.458 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

Tgt Ion: 75 Resp: 213406
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

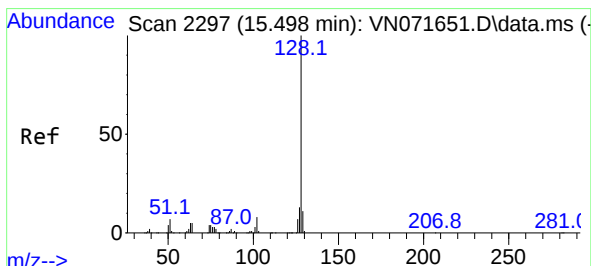
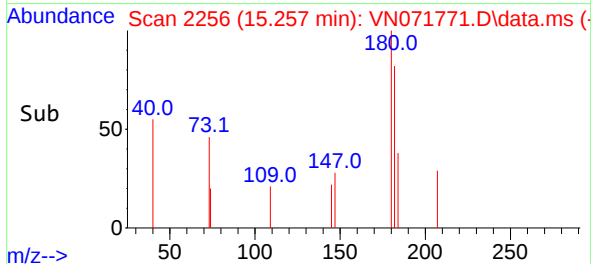
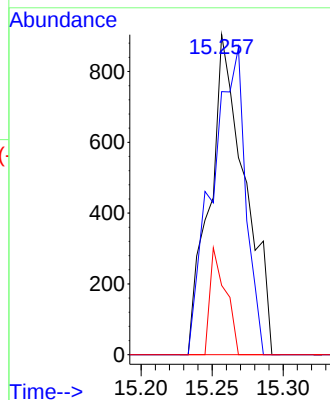
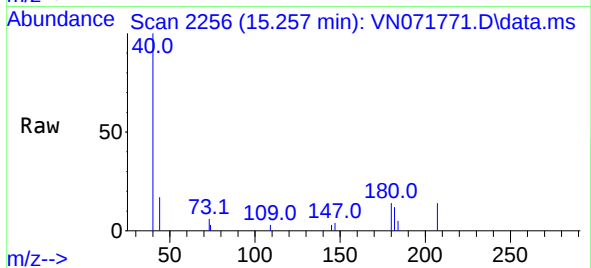




#93
1,2,4-Trichlorobenzene
Concen: 2.341 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

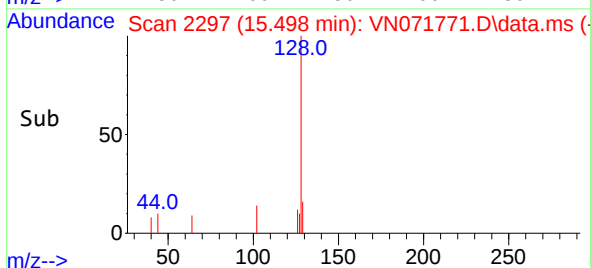
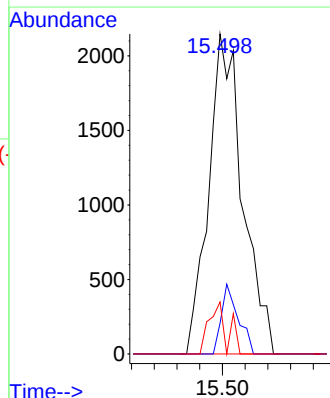
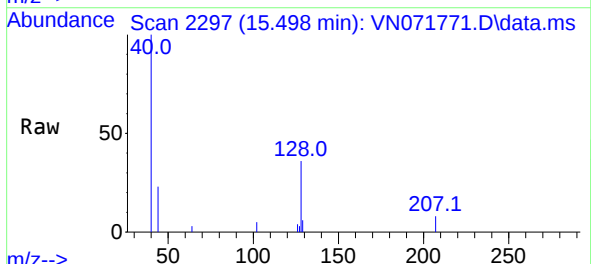
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL02

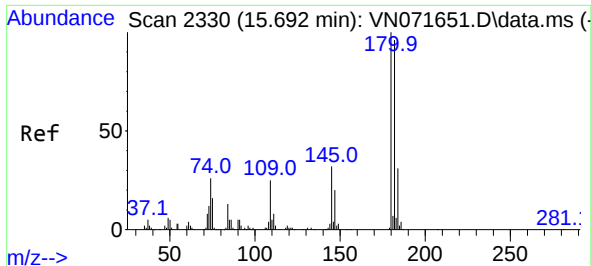
Tgt Ion:	180	Resp:	1560
Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.5	142.5
145	14.9	14.5	43.5



#95
Naphthalene
Concen: 4.048 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071771.D
Acq: 01 Apr 2022 23:21

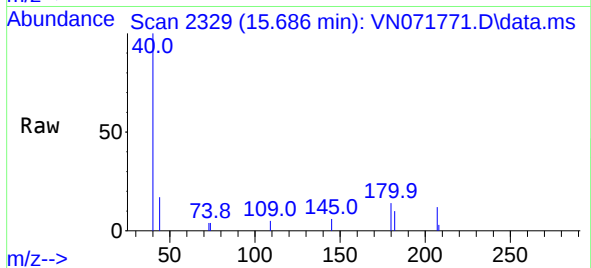
Tgt Ion:	128	Resp:	4448
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.3	15.5
129	8.6	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.697 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071771.D
 Acq: 01 Apr 2022 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL02



Tgt Ion:	180	Resp:	1689
Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.8	143.3
145	27.4	15.5	46.5

