

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074426.D
 Acq On : 13 Sep 2022 12:08
 Operator : JC\MD
 Sample : VN0913WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

Quant Time: Sep 13 17:13:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

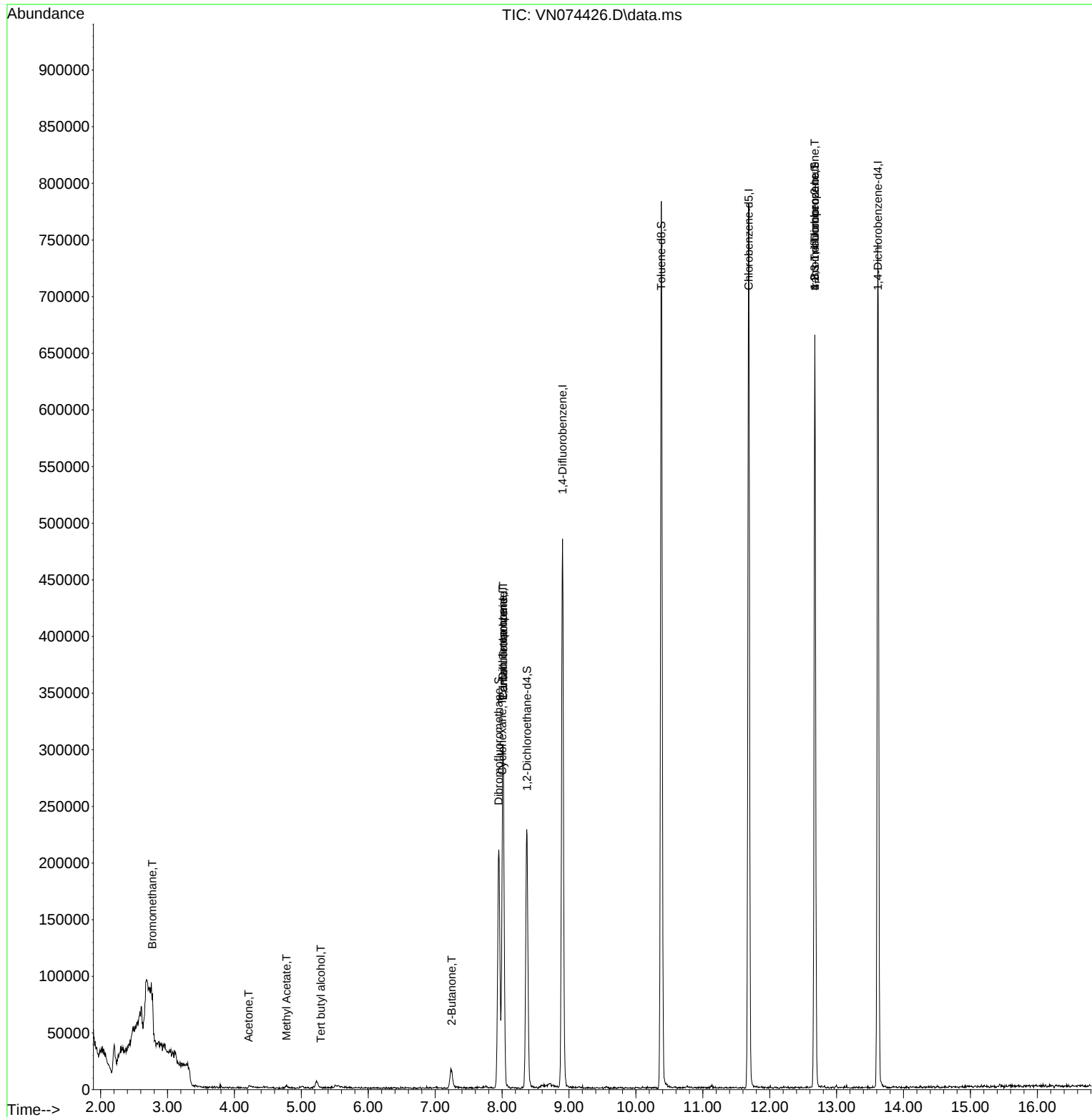
Internal Standards						
1) Pentafluorobenzene	8.016	168	205773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	386291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	380774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	172468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	184217	51.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.480%	
35) Dibromofluoromethane	7.951	113	143232	54.924	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.840%	
50) Toluene-d8	10.380	98	488810	48.105	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.200%	
62) 4-Bromofluorobenzene	12.674	95	196080	53.149	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	1297	Below Cal	#	45
5) Bromomethane	2.775	94	1707	0.548	ug/l #	38
6) Chloroethane	3.187	64	1115	Below Cal	#	82
11) Tert butyl alcohol	5.293	59	380	0.408	ug/l #	71
16) Acetone	4.210	43	684	0.356	ug/l #	46
18) Methyl Acetate	4.781	43	4090	0.722	ug/l #	66
20) Methylene Chloride	5.010	84	824	Below Cal	#	17
25) 2-Butanone	7.245	43	1091	0.338	ug/l #	52
31) Cyclohexane	8.004	56	6912	1.221	ug/l #	46
36) 1,1-Dichloropropene	8.010	75	20820	4.846	ug/l #	50
38) Carbon Tetrachloride	8.016	117	22872	5.157	ug/l #	17
74) N-amyl acetate	12.339	43	138	Below Cal	#	63
76) 1,2,3-Trichloropropane	12.674	75	122676	27.209	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	122676	60.649	ug/l #	9

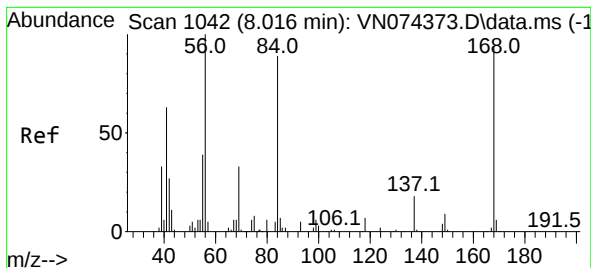
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

Instrument :

MSVOA_N

ClientSampleId :

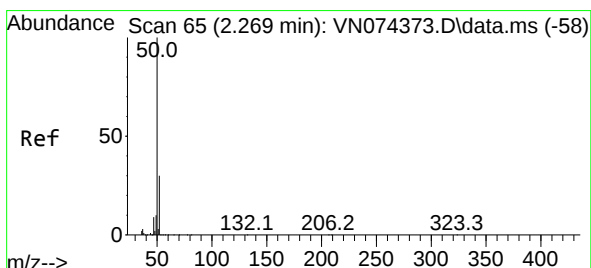
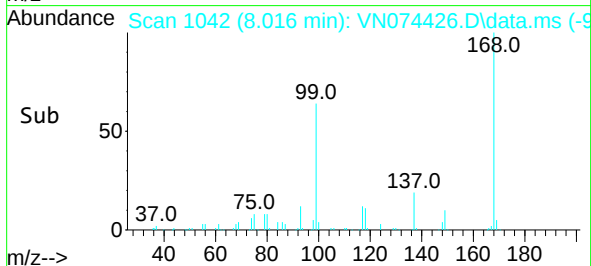
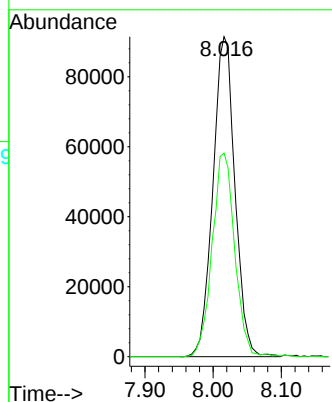
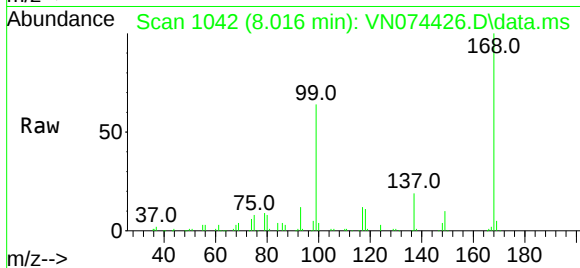
VN0913WBL01

Tgt Ion:168 Resp: 205773

Ion Ratio Lower Upper

168 100

99 63.6 52.8 79.2



#3

Chloromethane

Concen: Below Cal

RT: 2.257 min Scan# 63

Delta R.T. -0.012 min

Lab File: VN074426.D

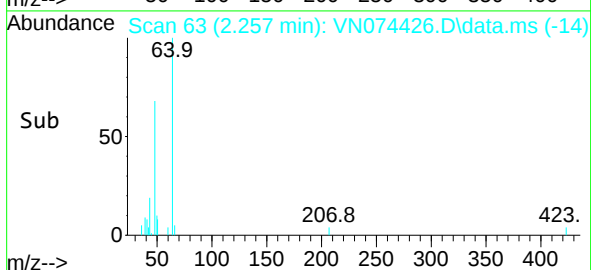
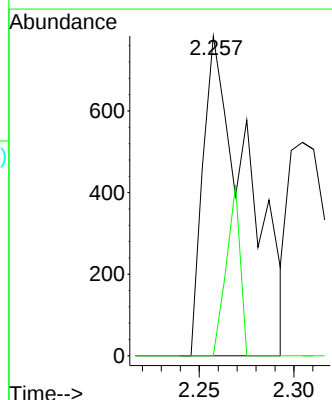
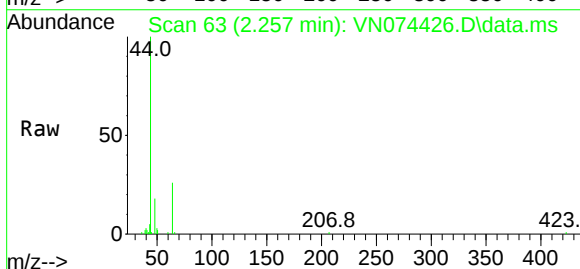
Acq: 13 Sep 2022 12:08

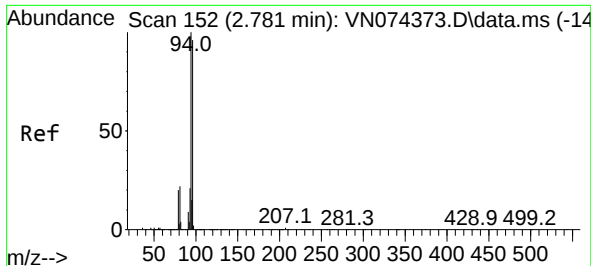
Tgt Ion: 50 Resp: 1297

Ion Ratio Lower Upper

50 100

52 0.0 24.1 36.1#

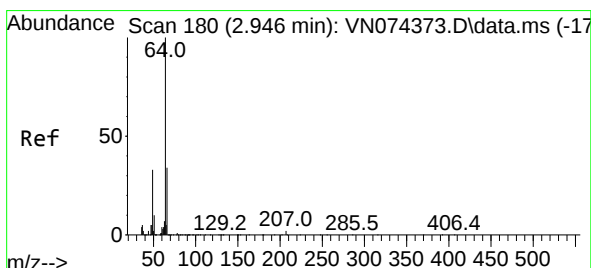
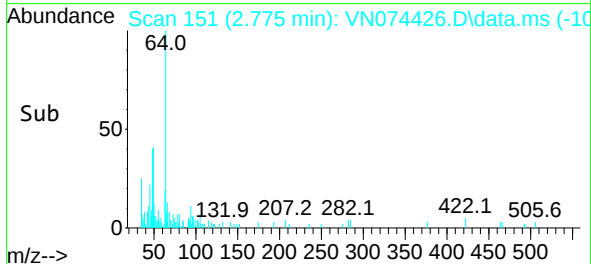
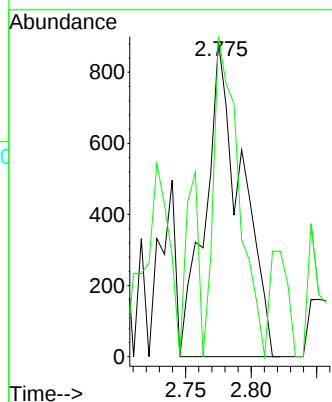
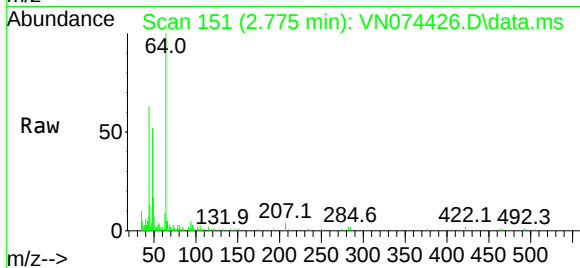




#5
Bromomethane
Concen: 0.548 ug/l
RT: 2.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

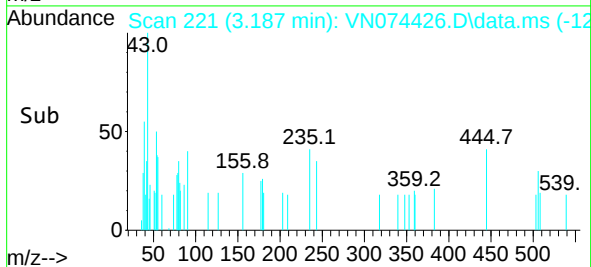
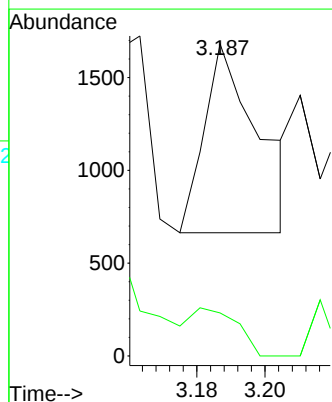
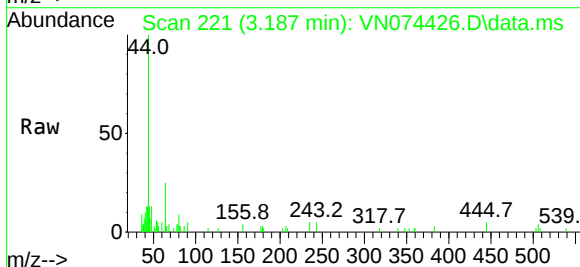
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

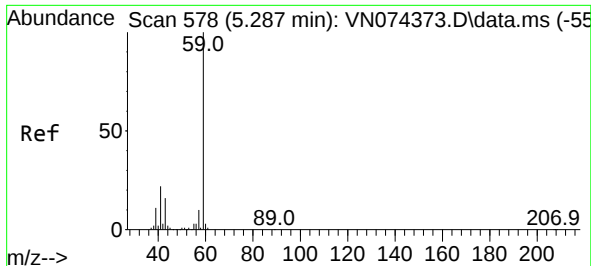
Tgt Ion: 94 Resp: 1707
Ion Ratio Lower Upper
94 100
96 156.1 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 3.187 min Scan# 221
Delta R.T. 0.241 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 64 Resp: 1115
Ion Ratio Lower Upper
64 100
66 22.8 26.5 39.7#

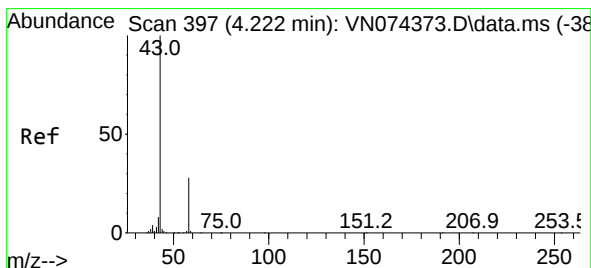
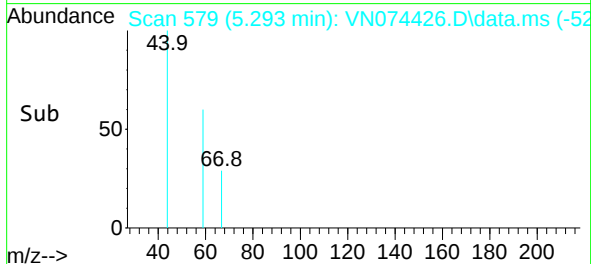
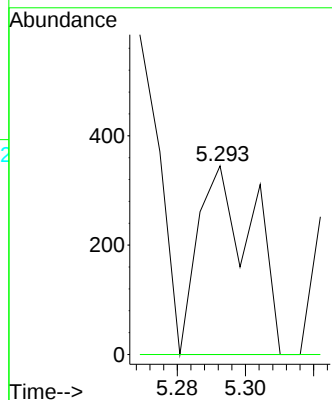
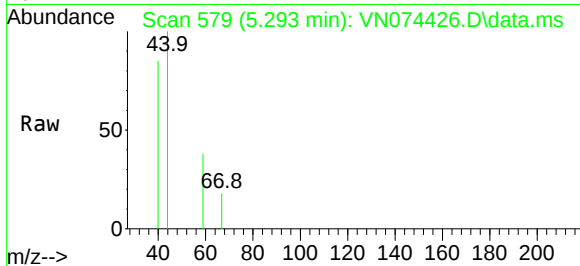




#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

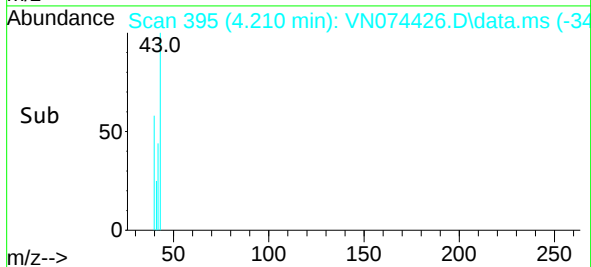
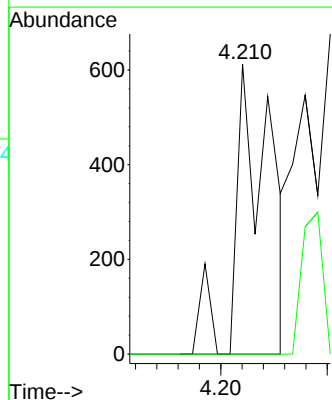
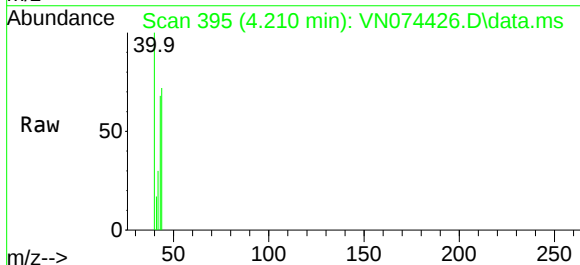
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

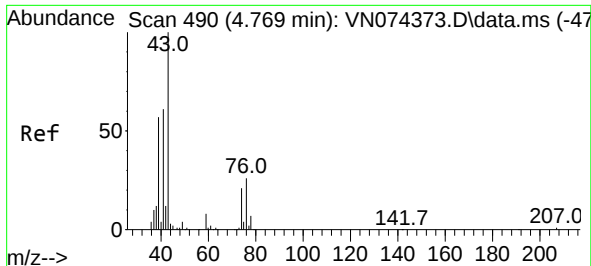
Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 0.356 ug/l
RT: 4.210 min Scan# 395
Delta R.T. -0.012 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

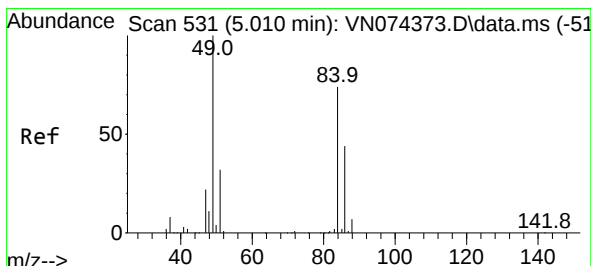
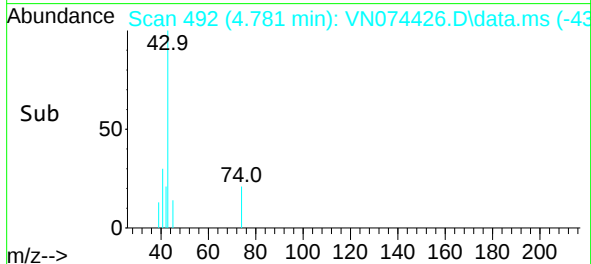
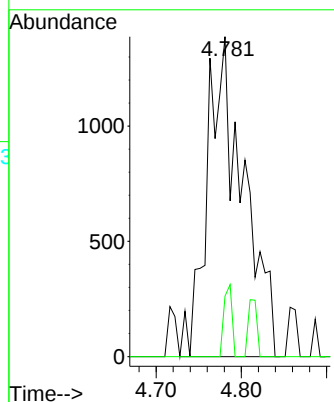
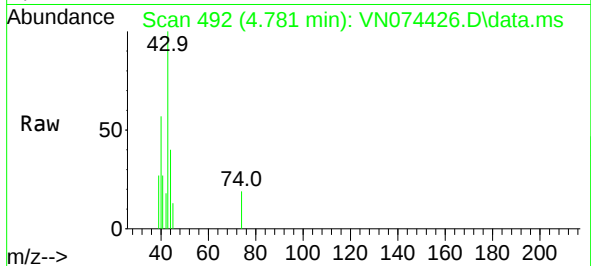




#18
Methyl Acetate
Concen: 0.722 ug/l
RT: 4.781 min Scan# 490
Delta R.T. 0.012 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

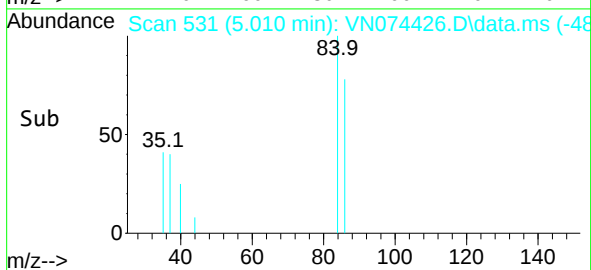
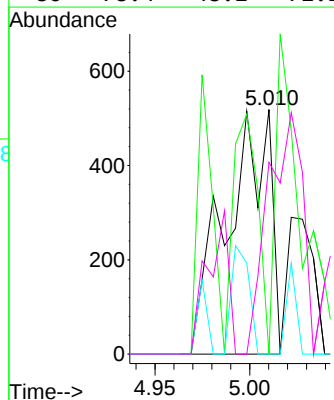
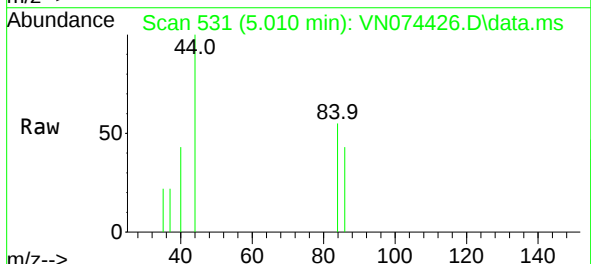
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

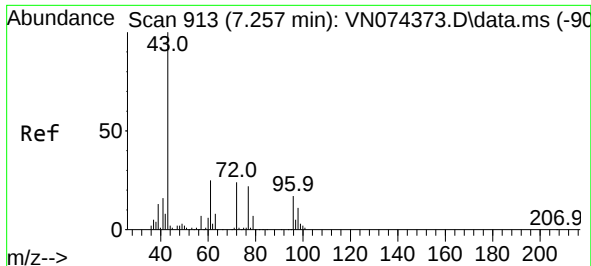
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
74 5.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 84 Resp: 824
Ion Ratio Lower Upper
84 100
49 0.0 108.2 162.4#
51 0.0 34.3 51.5#
86 78.4 48.2 72.2#

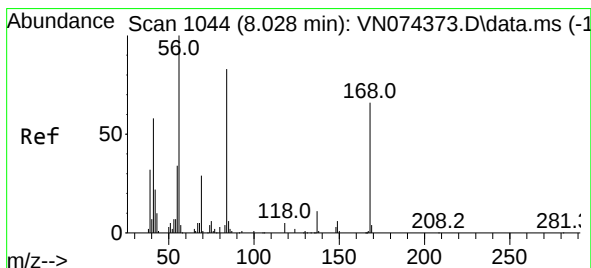
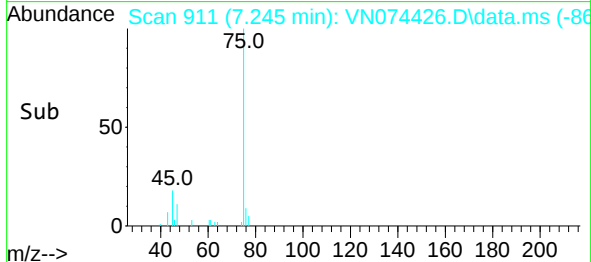
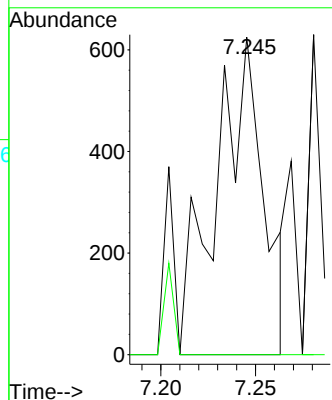
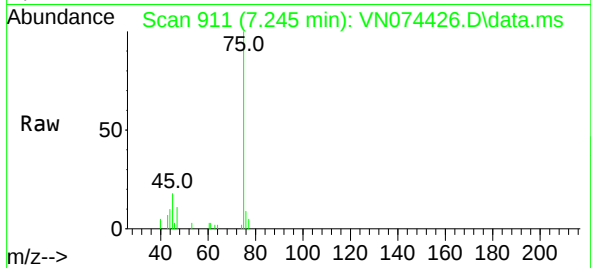




#25
2-Butanone
Concen: 0.338 ug/l
RT: 7.245 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

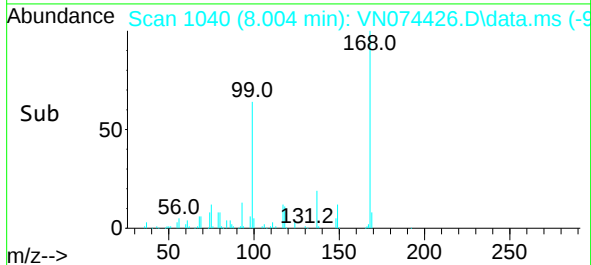
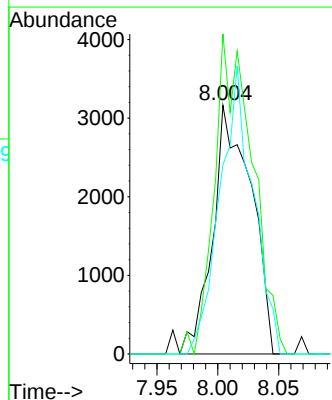
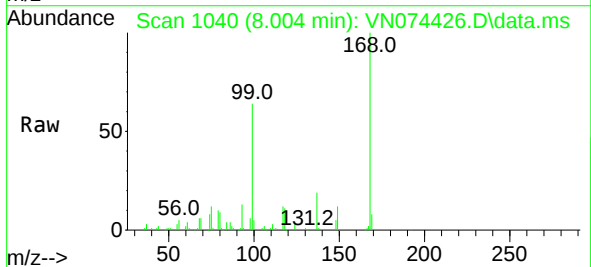
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

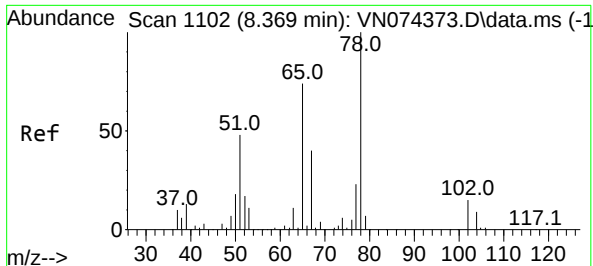
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.023 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 56 Resp: 6912
Ion Ratio Lower Upper
56 100
69 128.7 23.0 34.4#
84 76.1 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 51.744 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

Instrument :

MSVOA_N

ClientSampleId :

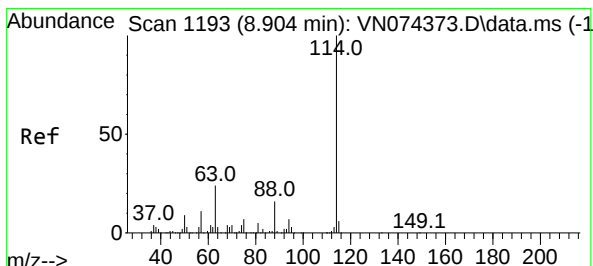
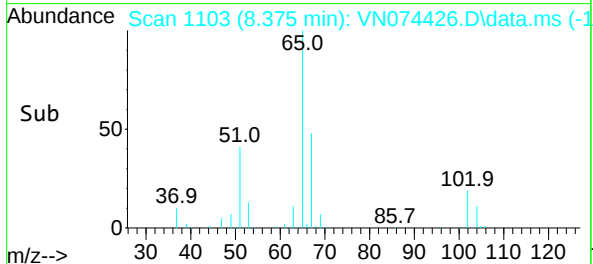
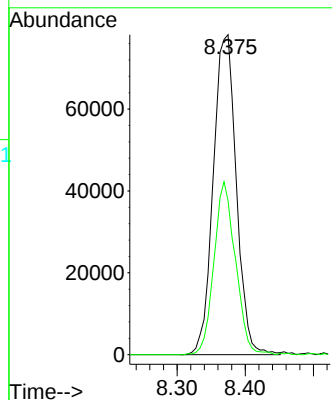
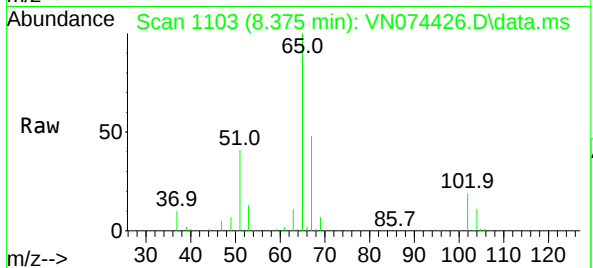
VN0913WBL01

Tgt Ion: 65 Resp: 184217

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

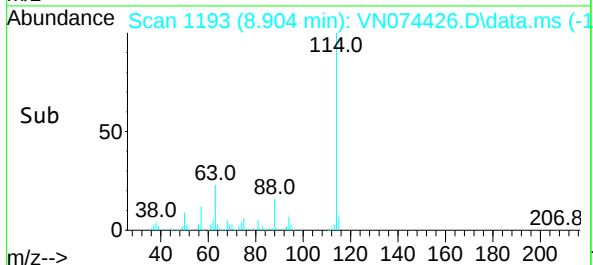
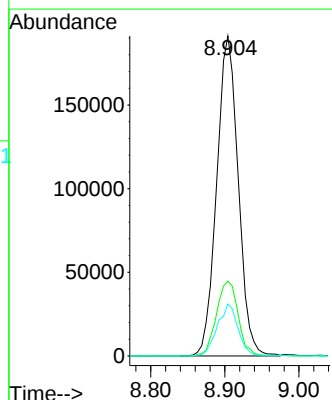
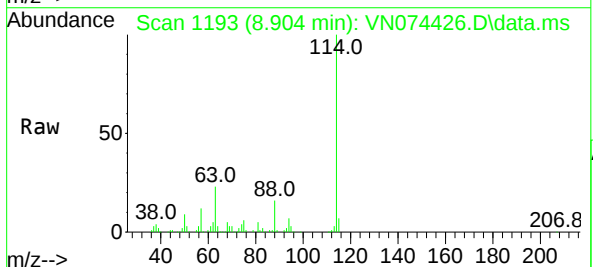
Tgt Ion: 114 Resp: 386291

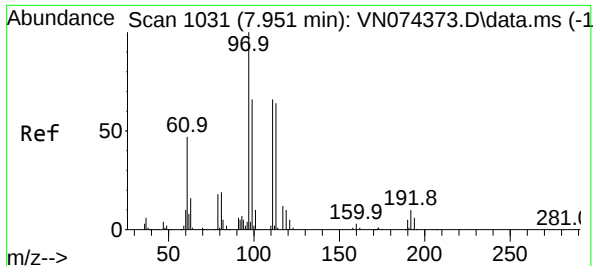
Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.6

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.924 ug/l

RT: 7.951 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

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MSVOA_N

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VN0913WBL01

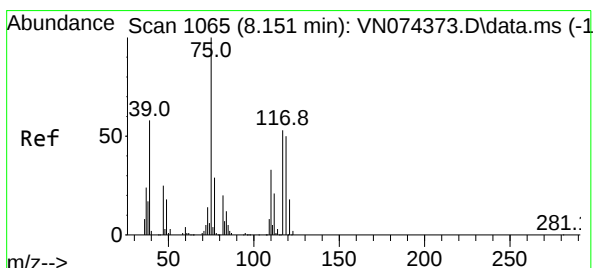
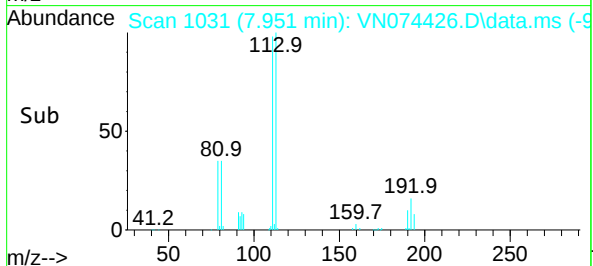
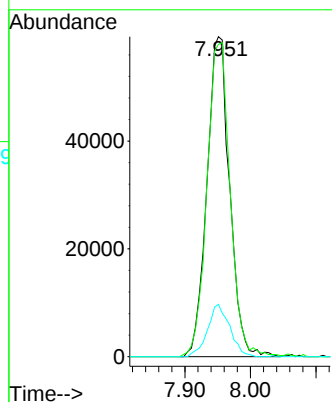
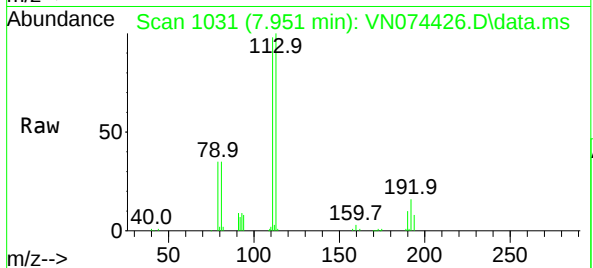
Tgt Ion:113 Resp: 143232

Ion Ratio Lower Upper

113 100

111 100.3 83.0 124.4

192 16.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.846 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

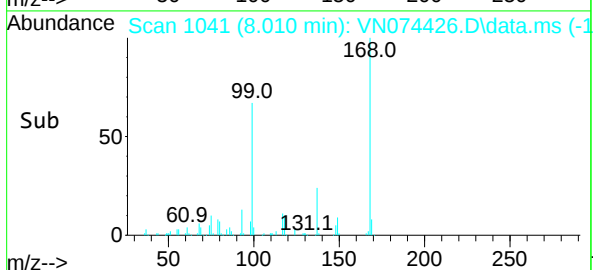
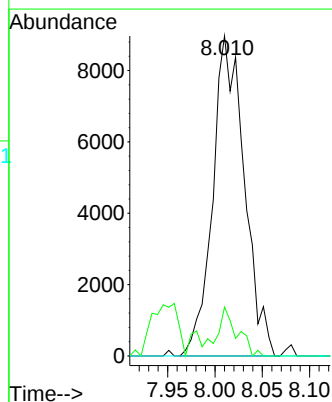
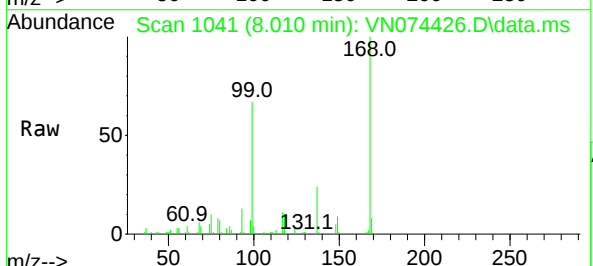
Tgt Ion: 75 Resp: 20820

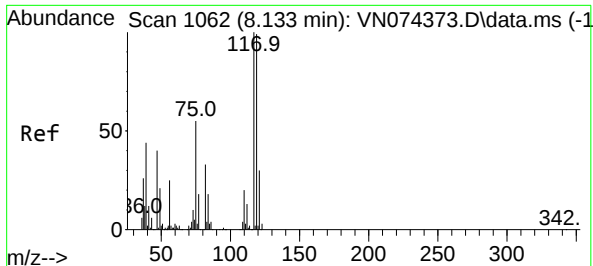
Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 25.4 38.2#

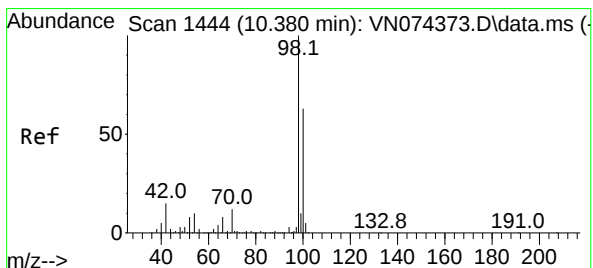
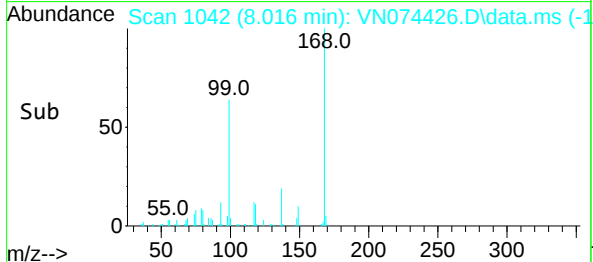
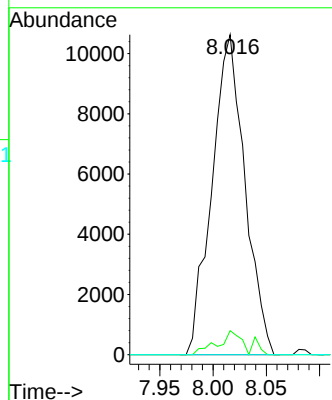
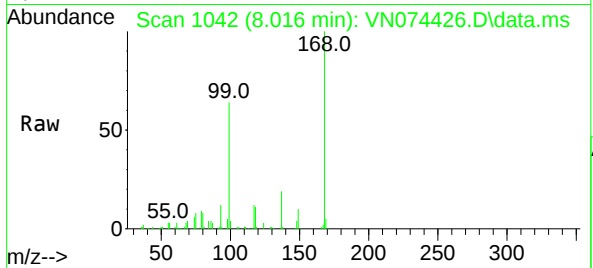




#38
Carbon Tetrachloride
Concen: 5.157 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

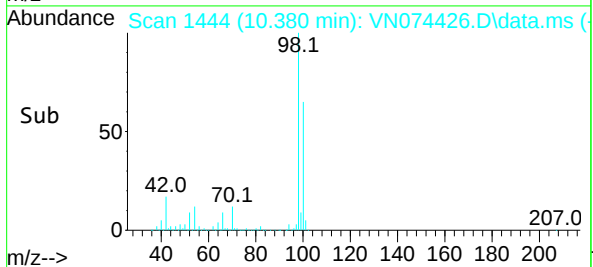
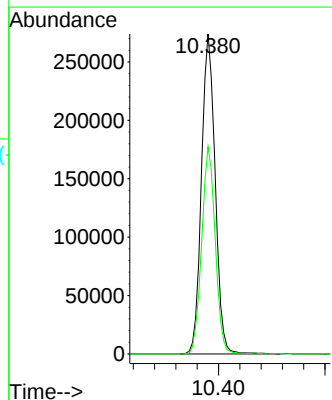
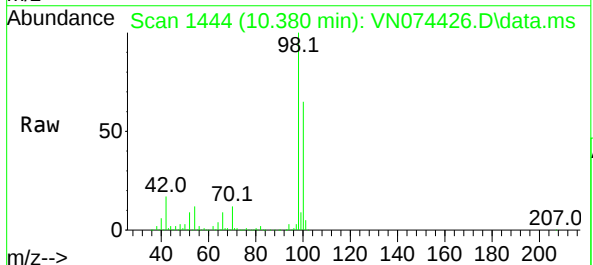
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

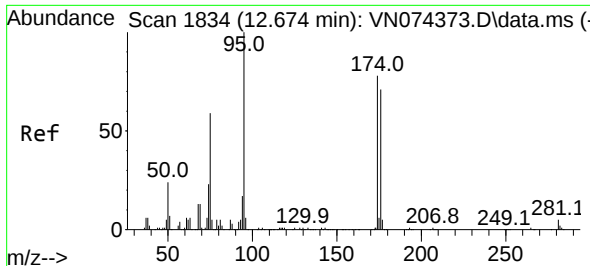
Tgt Ion:117 Resp: 22872
Ion Ratio Lower Upper
117 100
119 7.5 78.8 118.2#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 48.105 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 98 Resp: 488810
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0

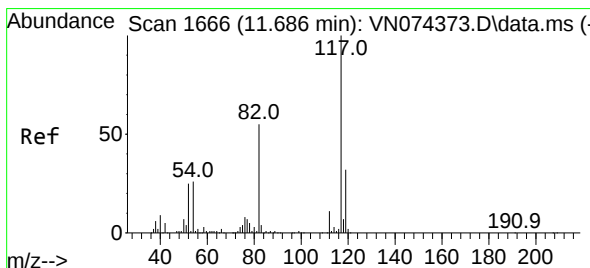
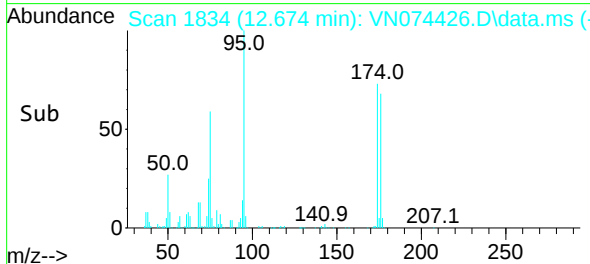
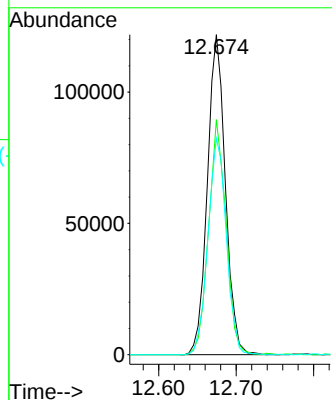
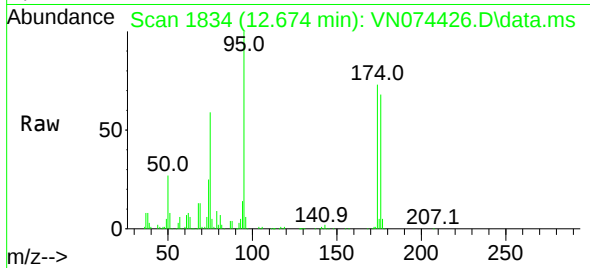




#62
4-Bromofluorobenzene
Concen: 53.149 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

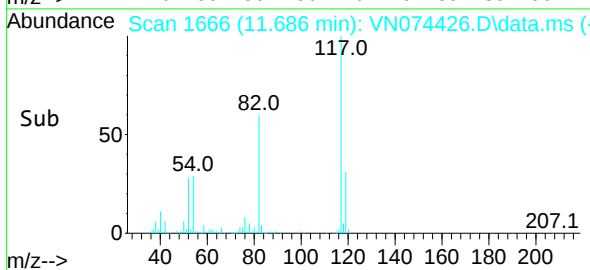
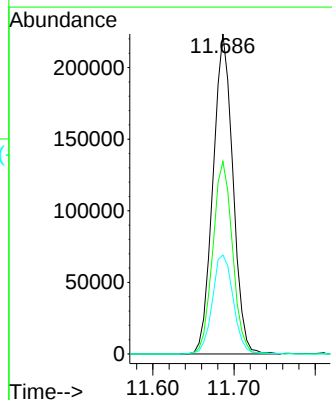
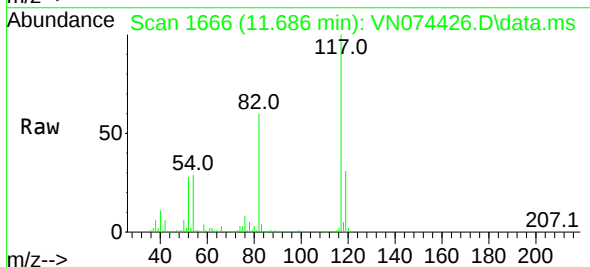
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

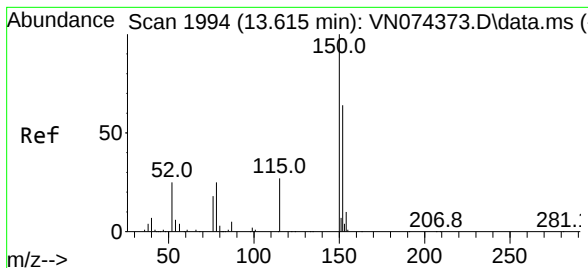
Tgt Ion: 95 Resp: 196080
Ion Ratio Lower Upper
95 100
174 71.4 0.0 150.6
176 69.1 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 117 Resp: 380774
Ion Ratio Lower Upper
117 100
82 60.1 44.3 66.5
119 31.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL01

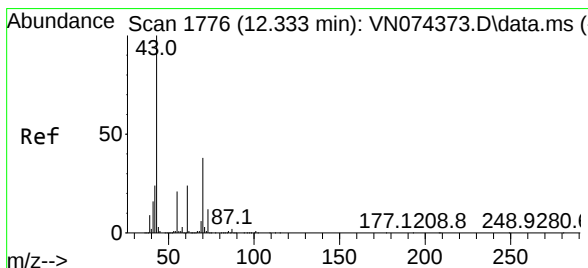
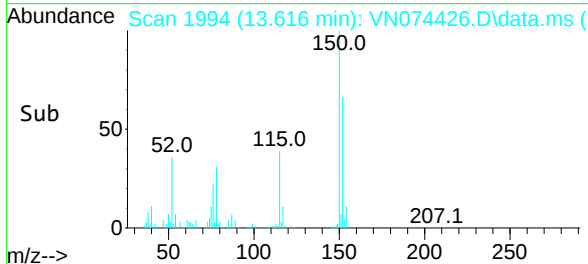
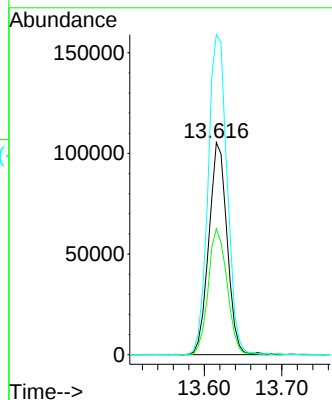
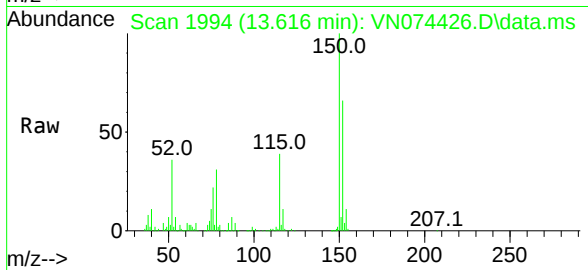
Tgt Ion:152 Resp: 172468

Ion Ratio Lower Upper

152 100

115 61.1 32.0 96.0

150 157.2 0.0 359.6



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.339 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VN074426.D

Acq: 13 Sep 2022 12:08

Tgt Ion: 43 Resp: 138

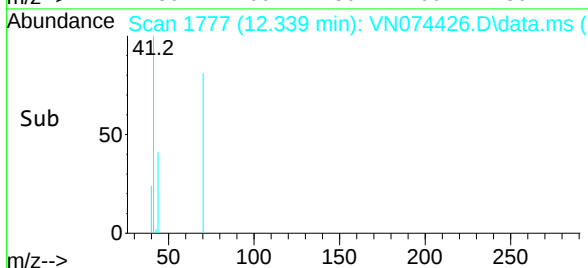
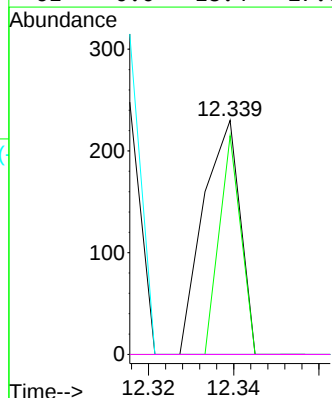
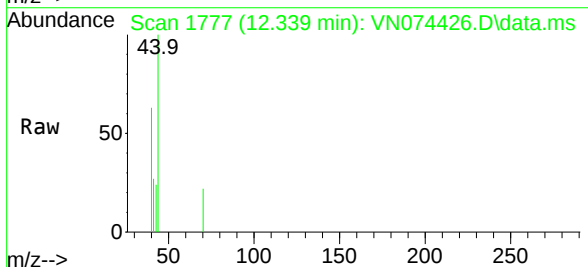
Ion Ratio Lower Upper

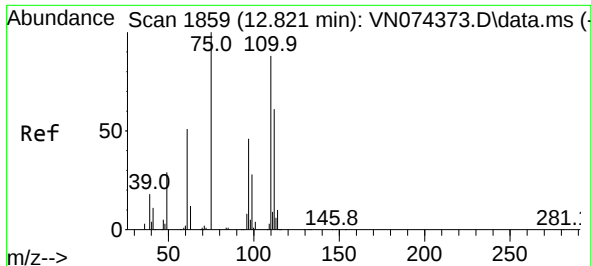
43 100

70 55.1 31.4 47.0#

55 0.0 17.0 25.6#

61 0.0 18.4 27.6#

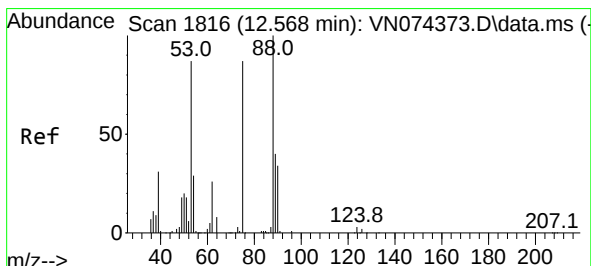
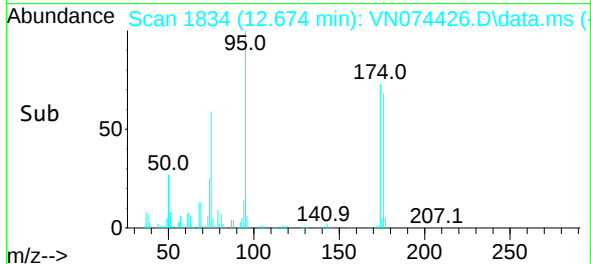
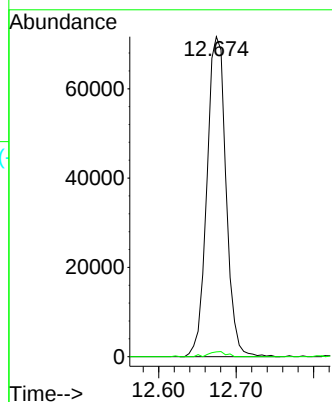
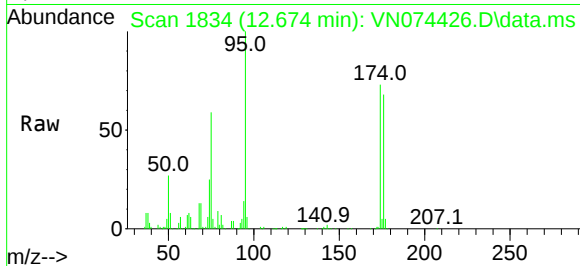




#76
1,2,3-Trichloropropane
Concen: 27.209 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

Tgt Ion: 75 Resp: 122676
Ion Ratio Lower Upper
75 100
77 1.5 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.649 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074426.D
Acq: 13 Sep 2022 12:08

Tgt Ion: 75 Resp: 122676
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#

