

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049750.D
 Acq On : 6 Jul 2018 20:05
 Operator : MD\SY
 Sample : J3869-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

Quant Time: Jul 06 22:55:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1521263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2520030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2108924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	781230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1055353	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	904541	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.09	98	3387521	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
62) 4-Bromofluorobenzene	12.40	95	988629	39.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.54%	

Target Compounds

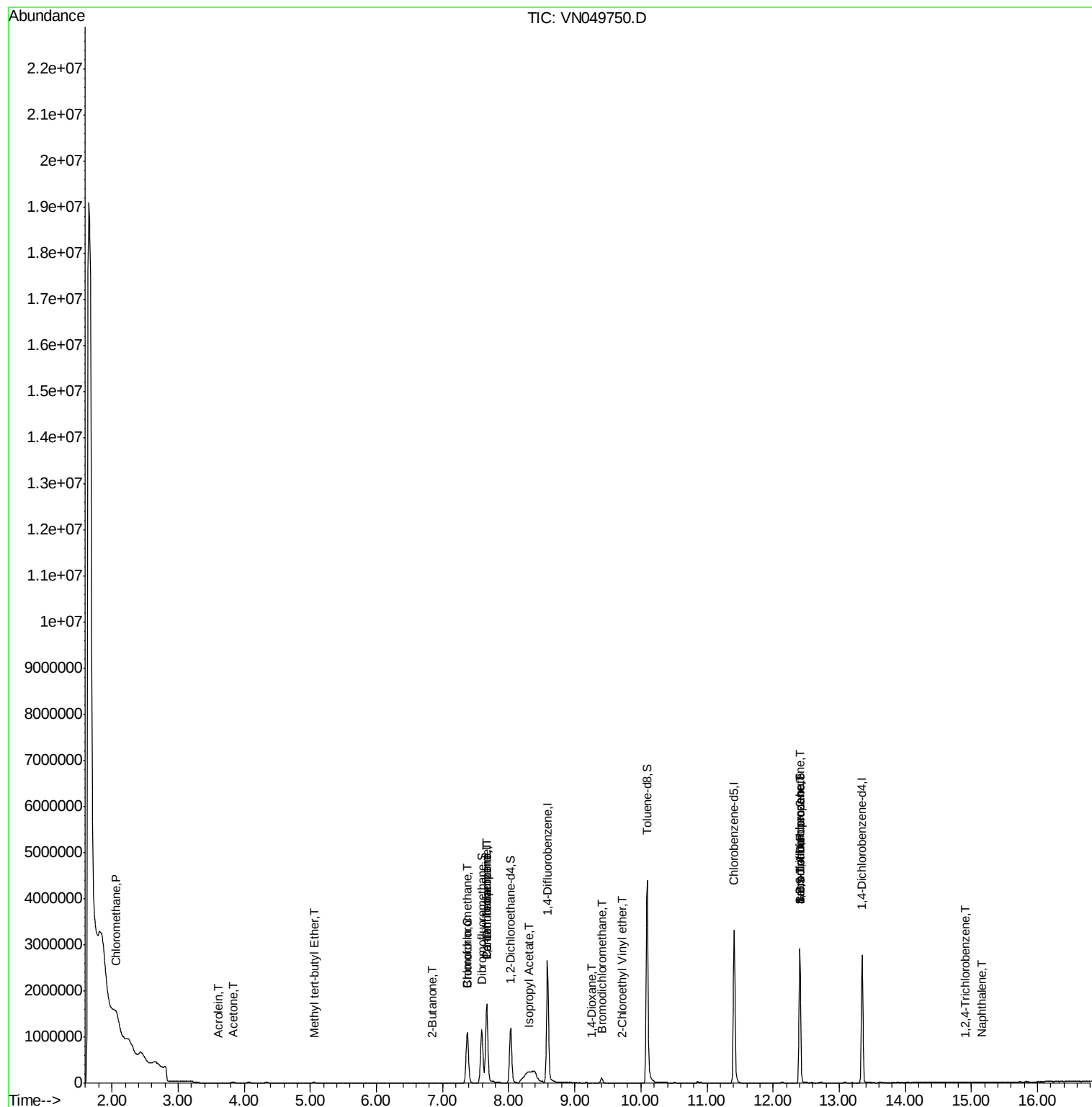
						Qvalue
3) Chloromethane	2.06	50	8247	0.39	ug/l	93
13) Acrolein	3.61	56	1407	1.31	ug/l #	36
16) Acetone	3.83	43	33464	0.31	ug/l	96
17) Carbon Disulfide	4.05	76	11733	Below Cal	#	89
18) Methyl Acetate	4.33	43	29144	Below Cal		91
19) Methyl tert-butyl Ether	5.05	73	16630	0.36	ug/l	97
25) 2-Butanone	6.85	43	1379	0.21	ug/l	95
28) Bromochloromethane	7.37	49	89809	6.05	ug/l #	11
30) Chloroform	7.37	83	1176563	32.99	ug/l	99
36) 1,1-Dichloropropene	7.67	75	104238	3.68	ug/l #	49
38) Carbon Tetrachloride	7.67	117	138287	5.01	ug/l #	16
43) Isopropyl Acetate	8.30	43	424954	12.51	ug/l #	62
47) Bromodichloromethane	9.40	83	75557	2.62	ug/l	97
49) 1,4-Dioxane	9.26	88	64	0.32	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	104	10.83	ug/l #	48
71) Bromoform	12.40	173	7325	0.56	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	135	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	486448	38.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	486448	131.87	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	179	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.37	146	258	Below Cal	#	25
91) 1,2-Dichlorobenzene	13.65	146	177	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	14.26	75	139	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	31	2.41	ug/l #	13
95) Naphthalene	15.14	128	1202	4.07	ug/l #	69

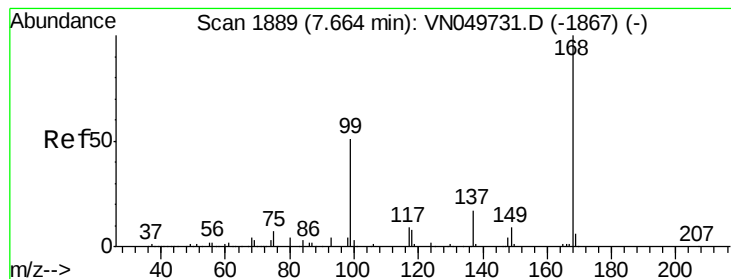
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

Instrument :

MSVOA_N

ClientSampled :

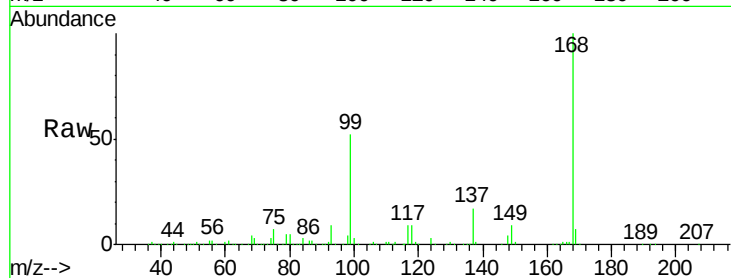
TW-3

Tot Ion:168 Resp: 1521263

Ion Ratio Lower Upper

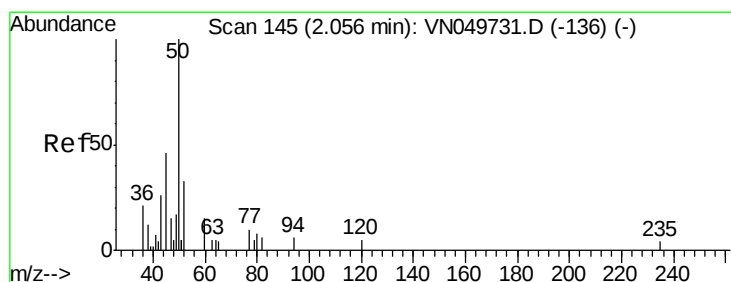
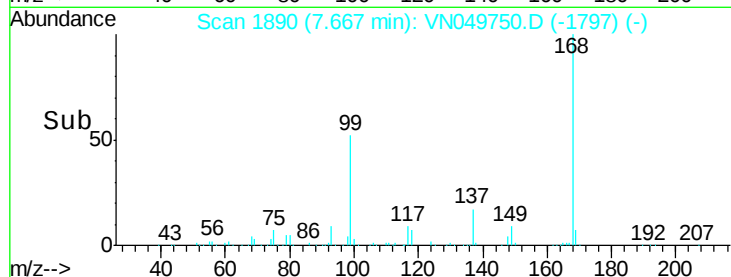
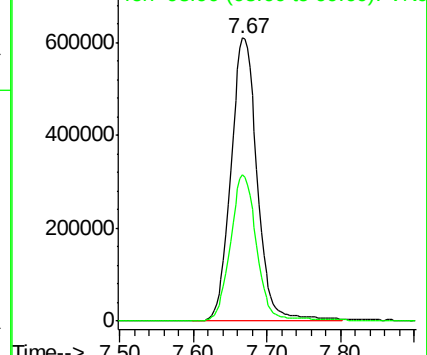
168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.39 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049750.D

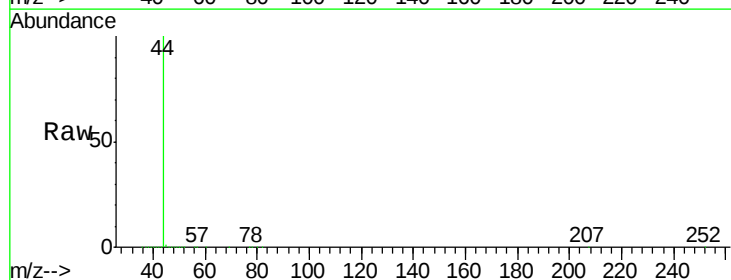
Acq: 6 Jul 2018 20:05

Tgt Ion: 50 Resp: 8247

Ion Ratio Lower Upper

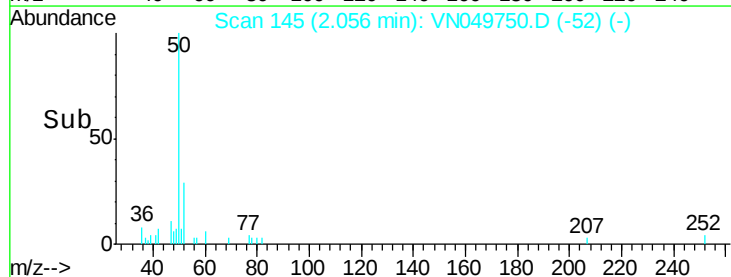
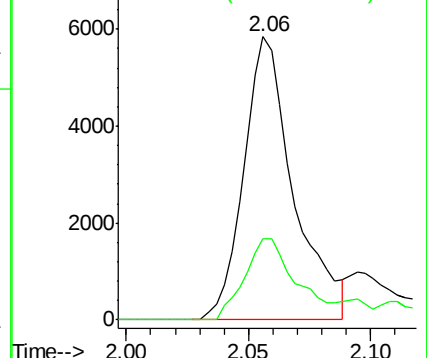
50 100

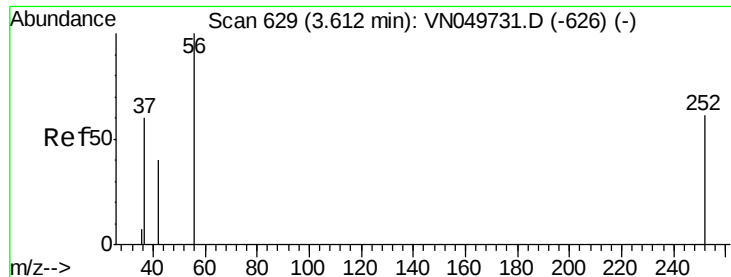
52 28.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#13

Acrolein

Concen: 1.31 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

Instrument :

MSVOA_N

ClientSampleId :

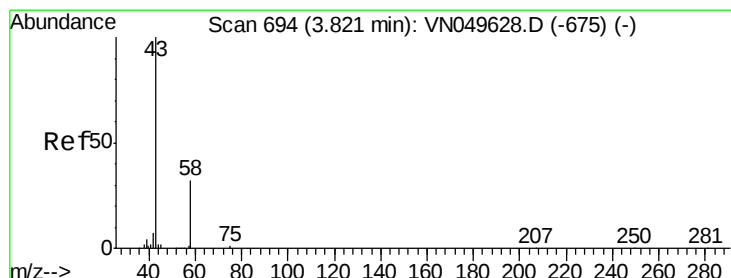
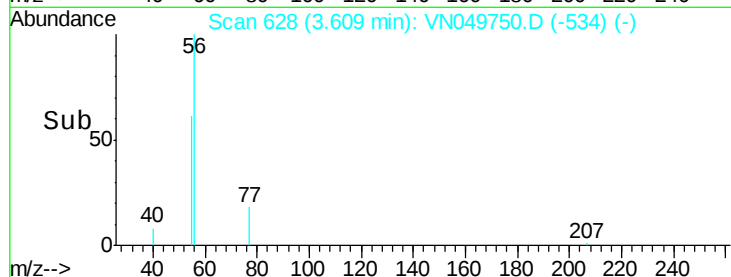
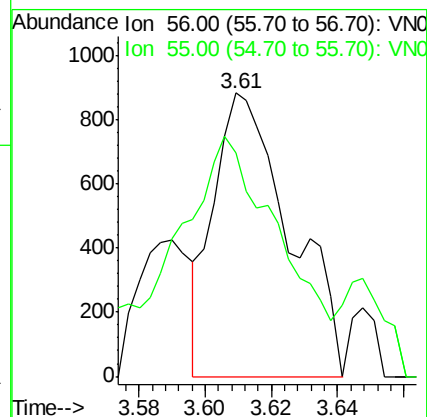
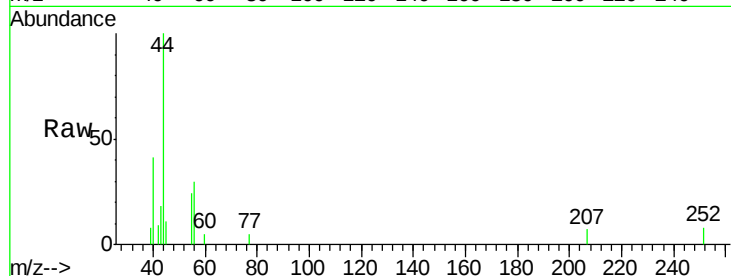
TW-3

Tot Ion: 56 Resp: 1407

Ion Ratio Lower Upper

56 100

55 122.4 55.8 83.8#



#16

Acetone

Concen: 0.31 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049750.D

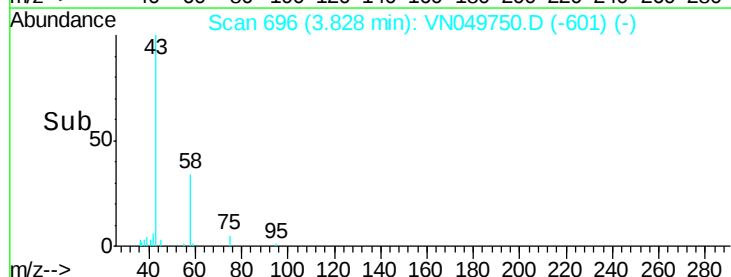
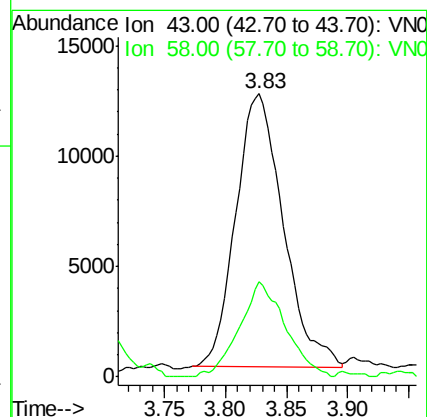
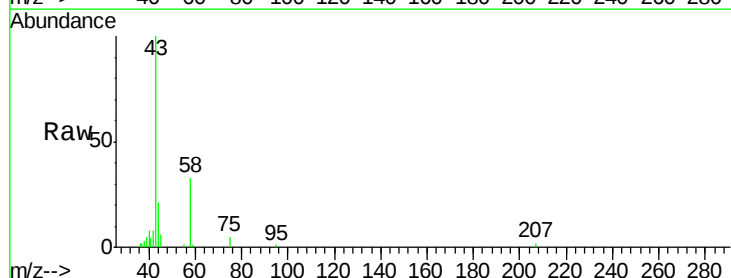
Acq: 6 Jul 2018 20:05

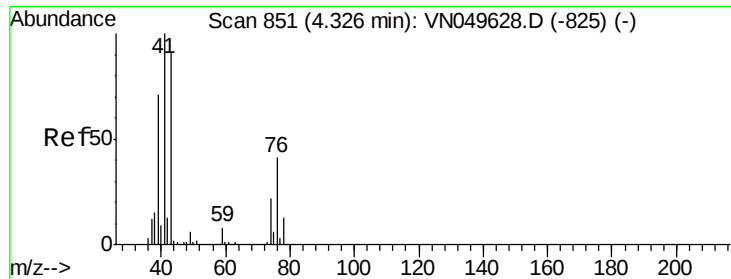
Tgt Ion: 43 Resp: 33464

Ion Ratio Lower Upper

43 100

58 34.7 25.9 38.9

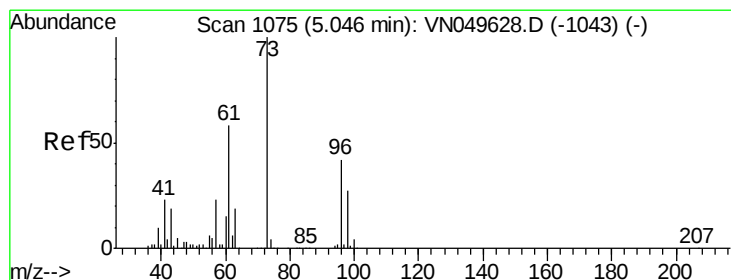
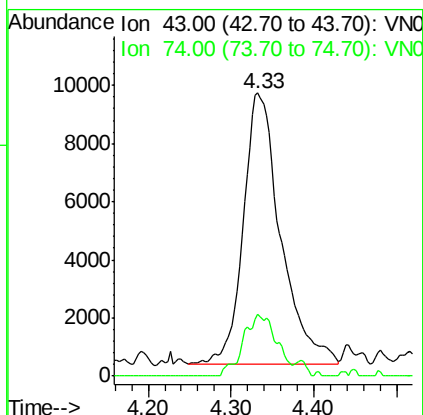
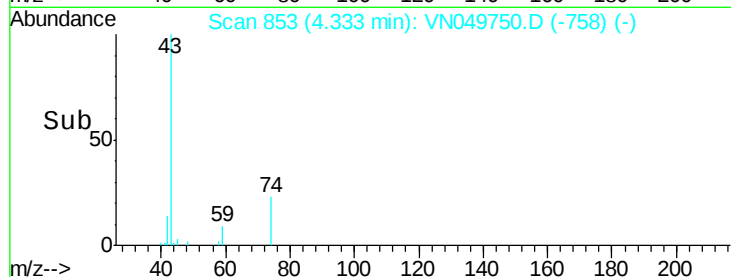
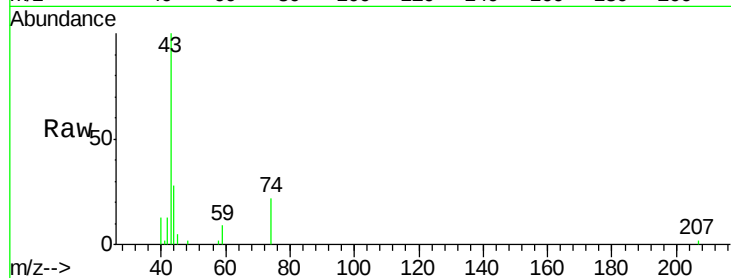




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

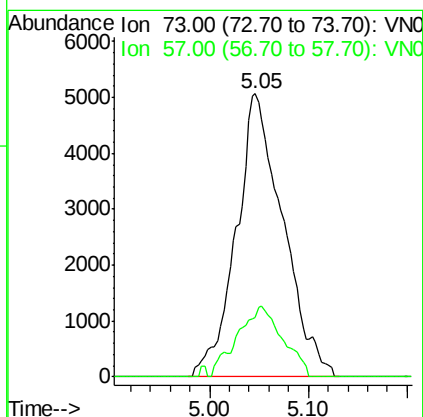
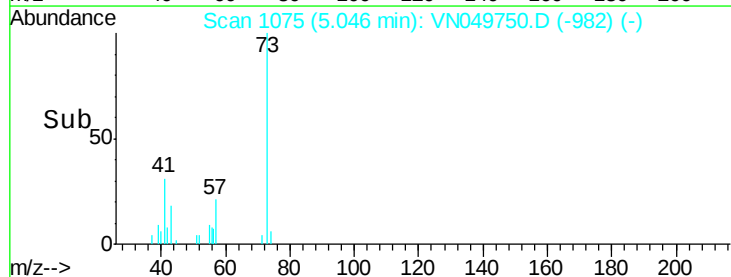
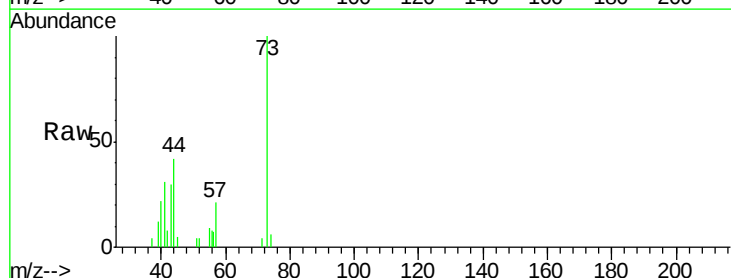
Instrument :
MSVOA_N
ClientSampled :
TW-3

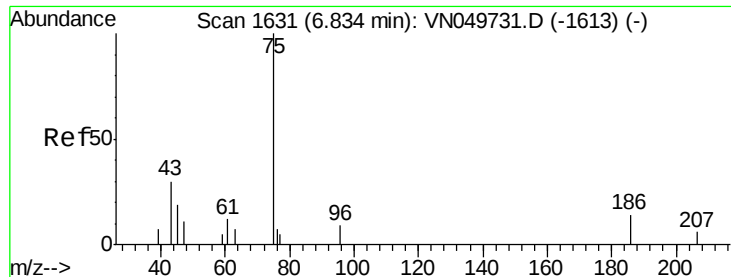
Tot Ion: 43 Resp: 29144
Ion Ratio Lower Upper
43 100
74 20.4 19.8 29.8



#19
Methyl tert-butyl Ether
Concen: 0.36 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 73 Resp: 16630
Ion Ratio Lower Upper
73 100
57 21.1 18.1 27.1

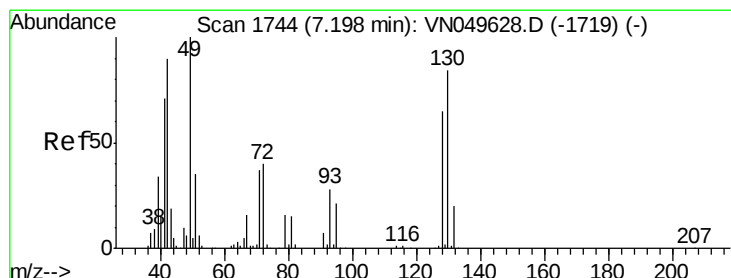
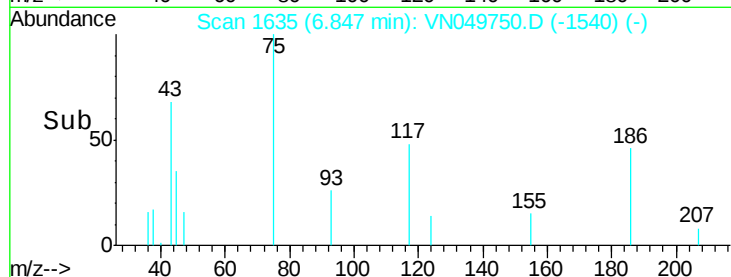
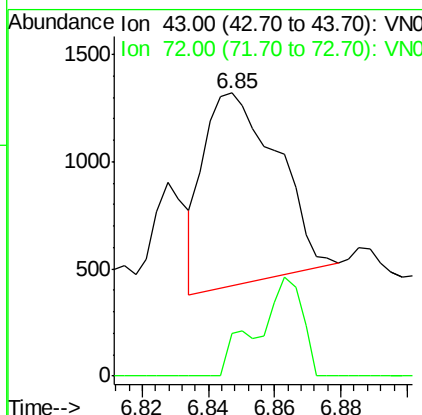
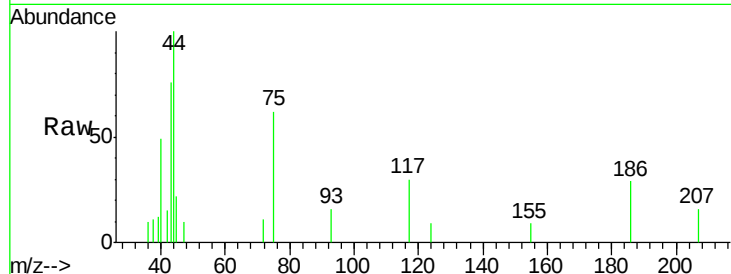




#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

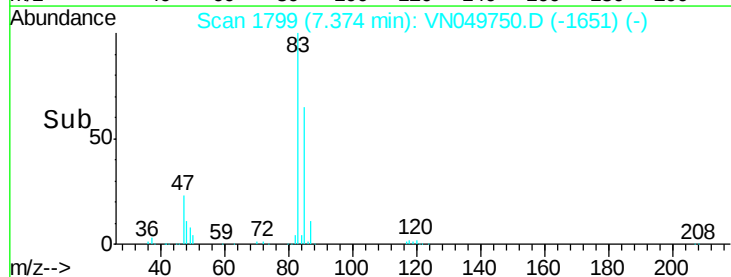
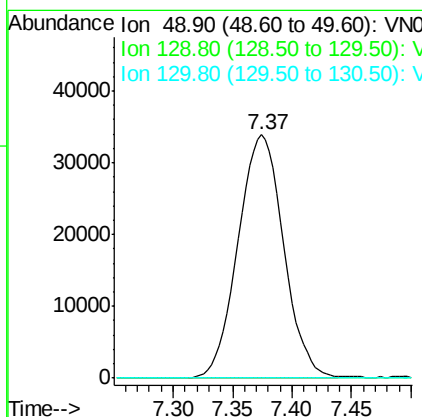
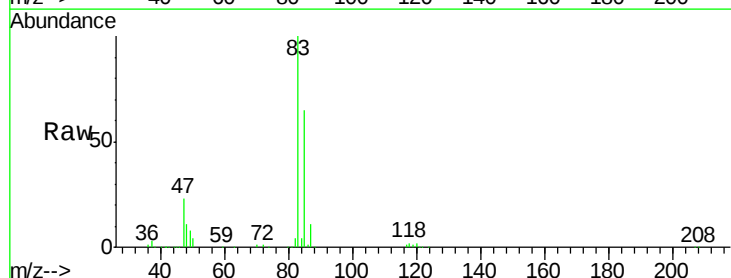
Instrument :
MSVOA_N
ClientSampled :
TW-3

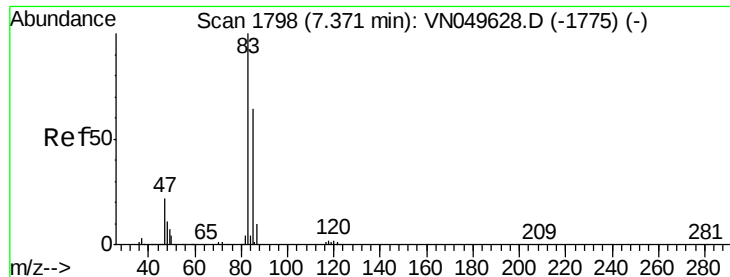
Tot Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
72 25.2 22.1 33.1



#28
Bromochloromethane
Concen: 6.05 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.18 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 49 Resp: 89809
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 65.5 98.3#

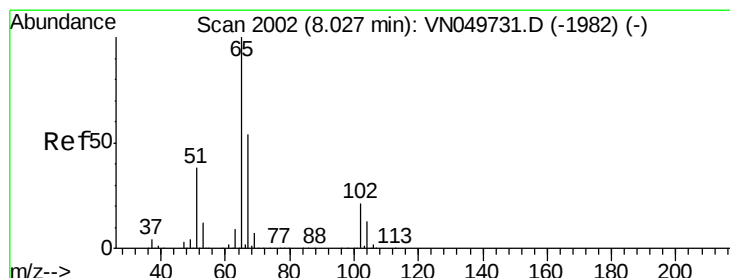
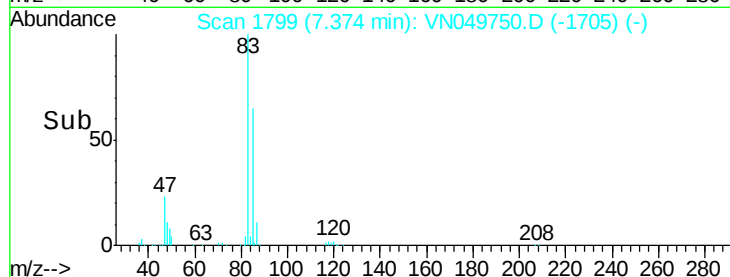
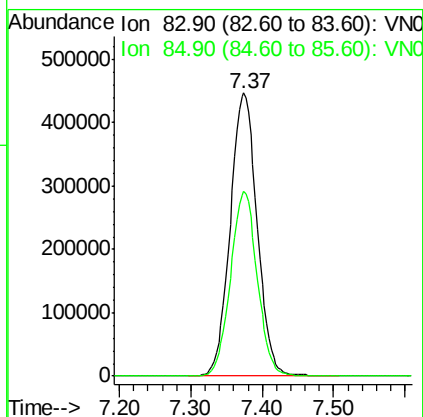
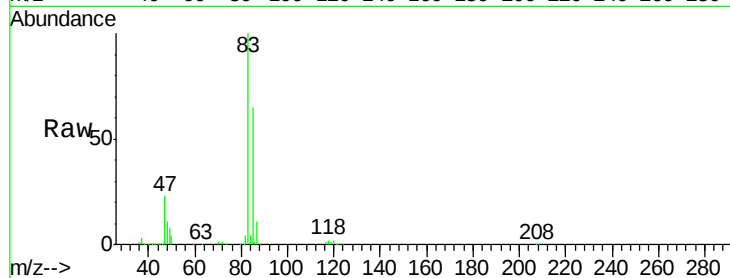




#30
Chloroform
Concen: 32.99 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

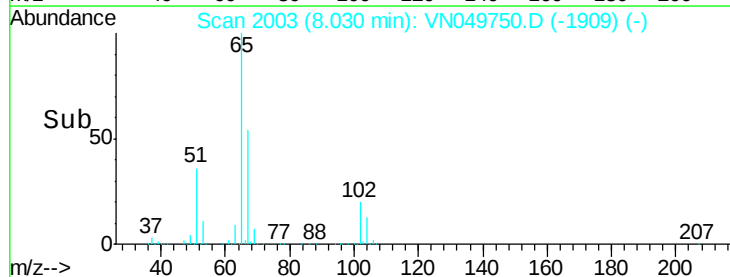
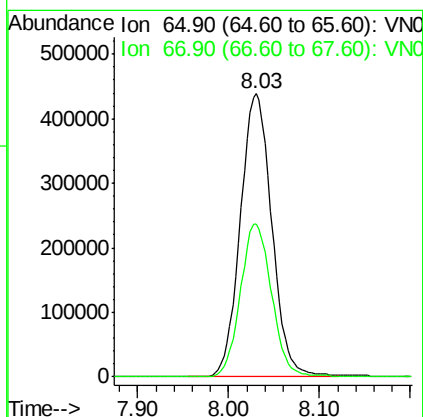
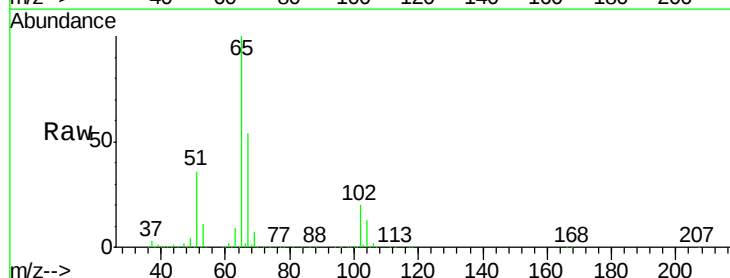
Instrument :
MSVOA_N
ClientSampled :
TW-3

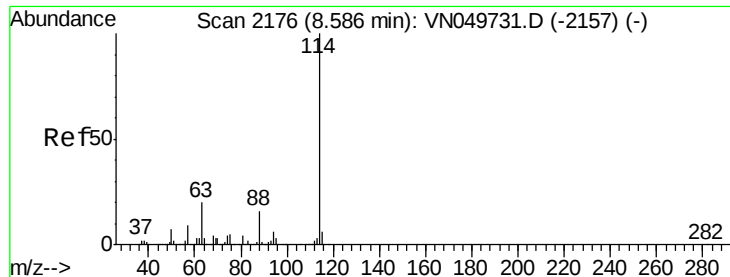
Tot Ion: 83 Resp: 1176563
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 52.53 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 65 Resp: 1055353
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

Instrument :

MSVOA_N

ClientSampleId :

TW-3

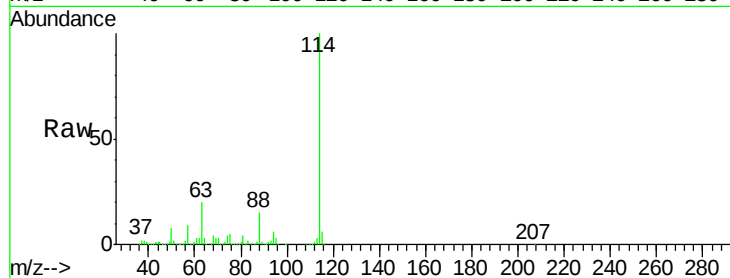
Tot Ion:114 Resp: 2520030

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

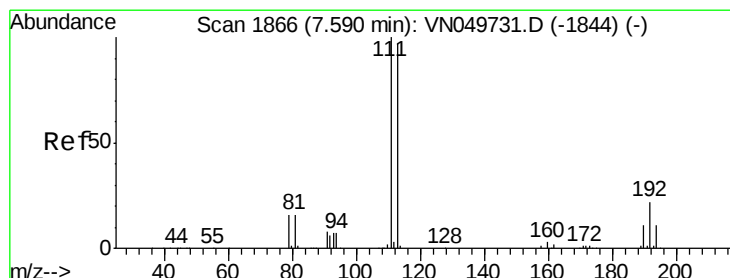
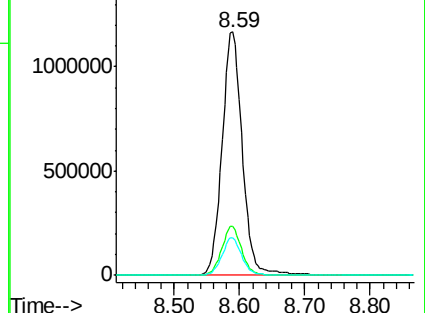
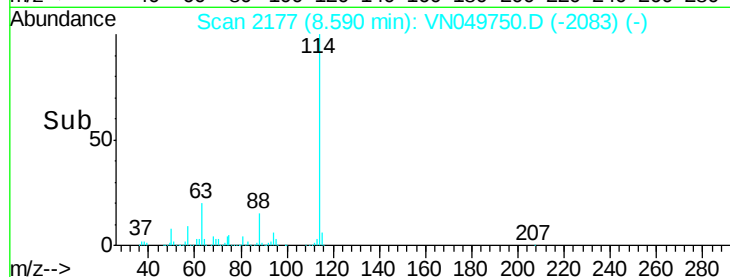
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.01 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

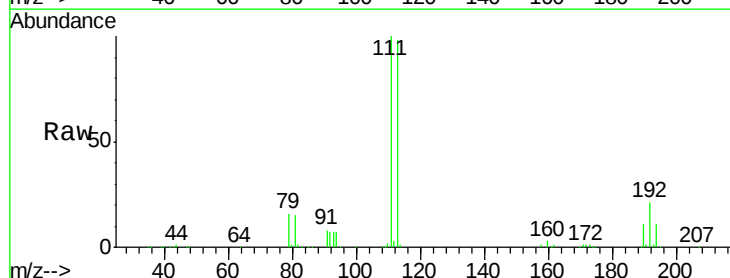
Tgt Ion:113 Resp: 904541

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

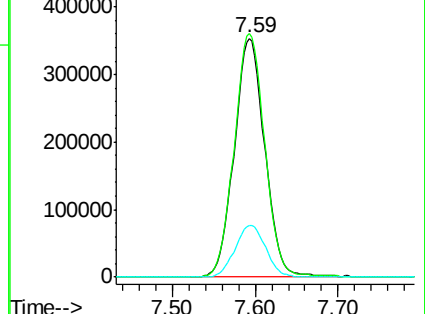
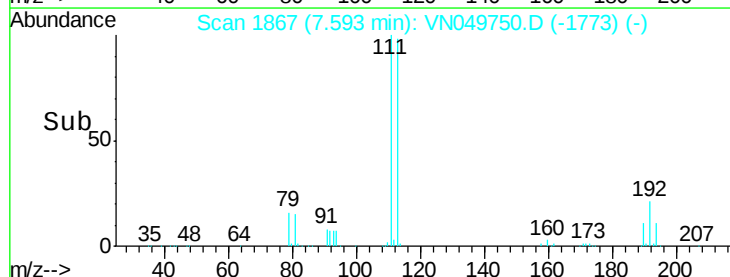
192 22.0 17.8 26.6

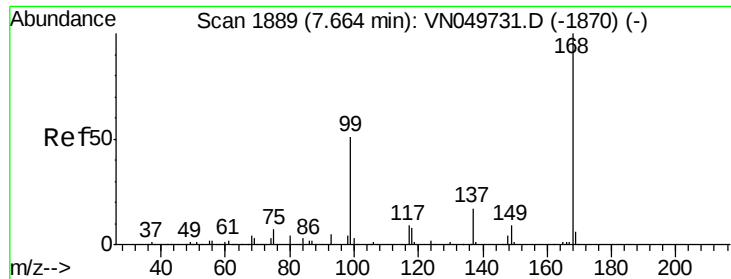


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

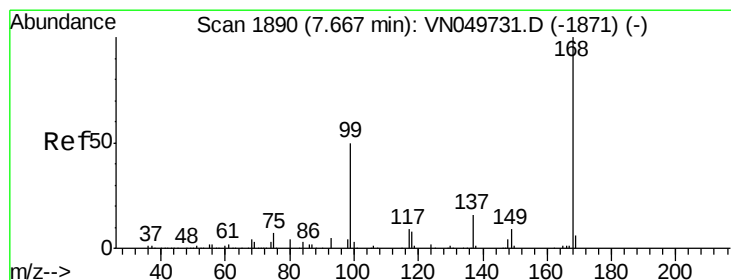
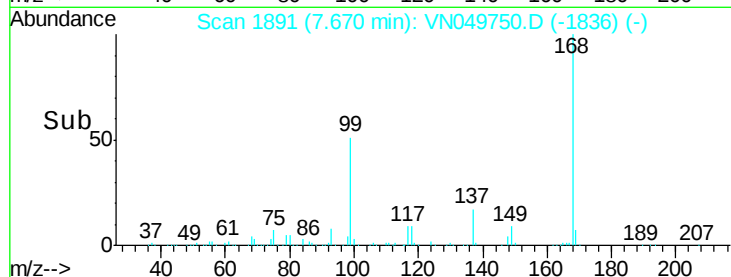
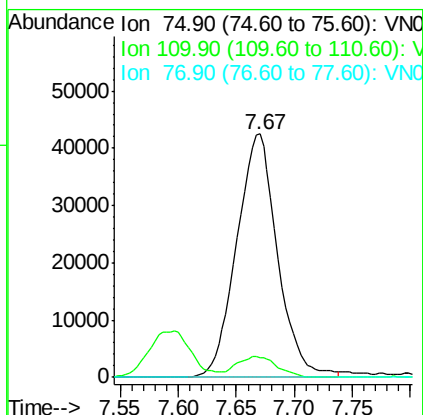
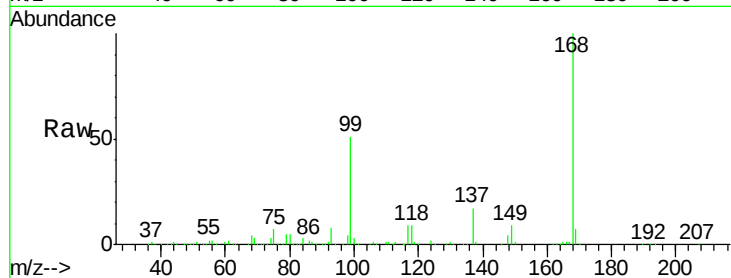




#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

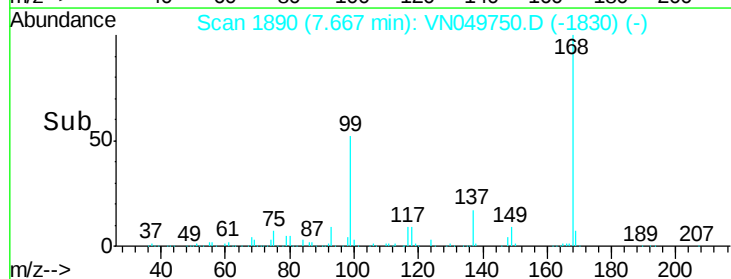
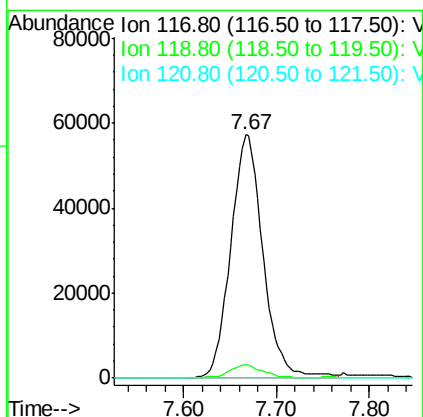
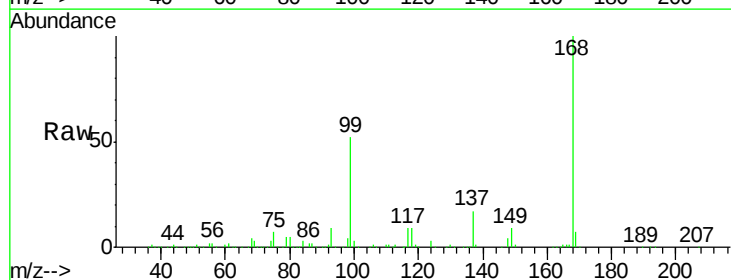
Instrument :
 MSVOA_N
 ClientSampled :
 TW-3

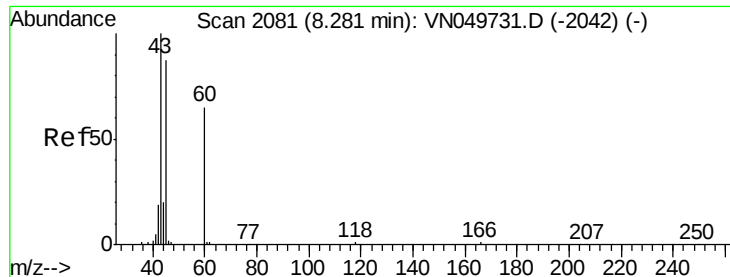
Tot Ion: 75 Resp: 104238
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.01 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

Tgt Ion: 117 Resp: 138287
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.2 115.8#
 121 0.0 25.0 37.6#



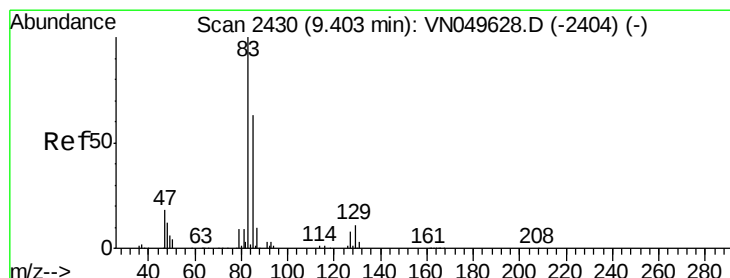
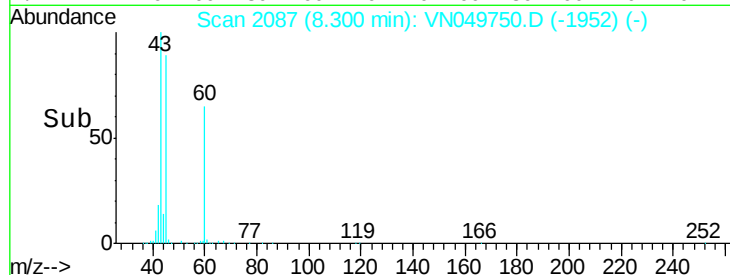
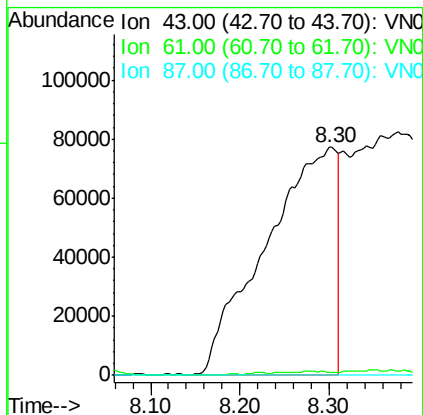
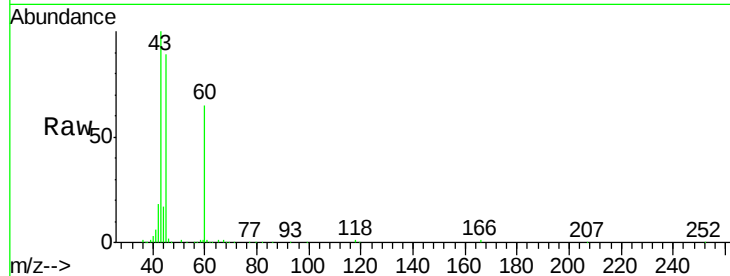


#43

Isopropyl Acetate
 Concen: 12.51 ug/l
 RT: 8.30 min Scan# 2087
 Delta R.T. 0.14 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

Instrument :
 MSVOA_N
 ClientSampled :
 TW-3

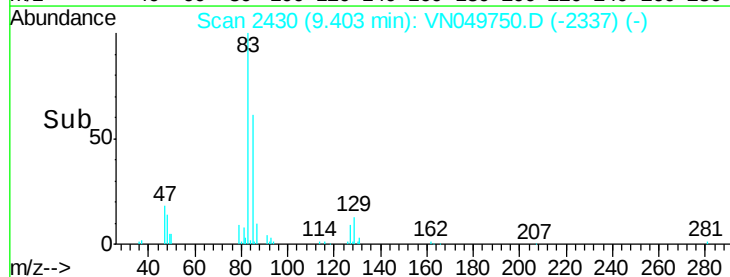
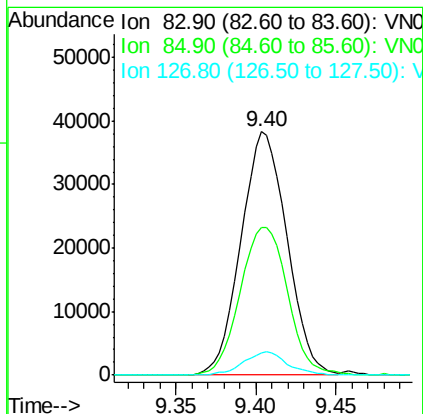
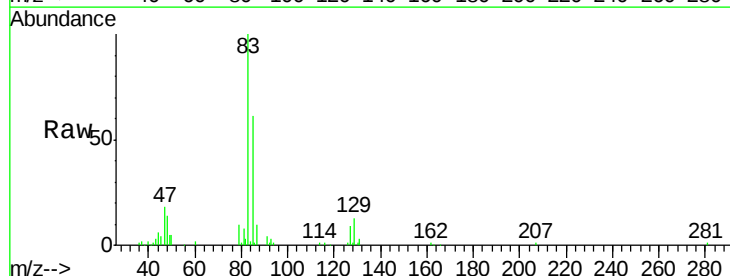
Tot Ion: 43 Resp: 424954
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.9 22.3#
 87 0.0 10.0 15.0#

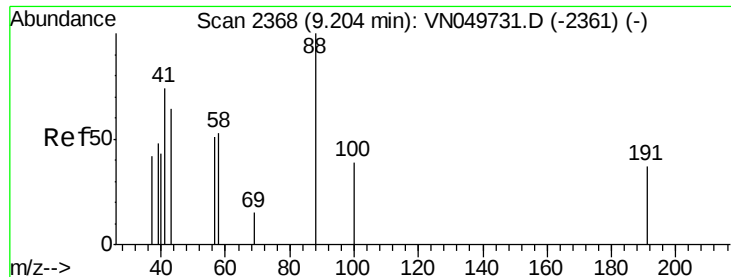


#47

Bromodichloromethane
 Concen: 2.62 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

Tgt Ion: 83 Resp: 75557
 Ion Ratio Lower Upper
 83 100
 85 60.8 50.5 75.7
 127 8.9 6.8 10.2

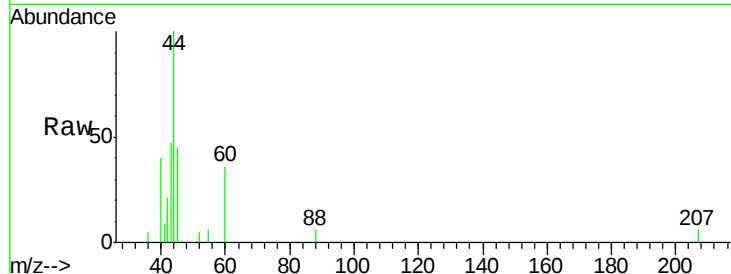




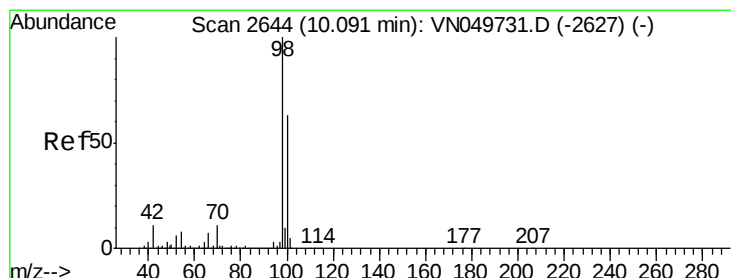
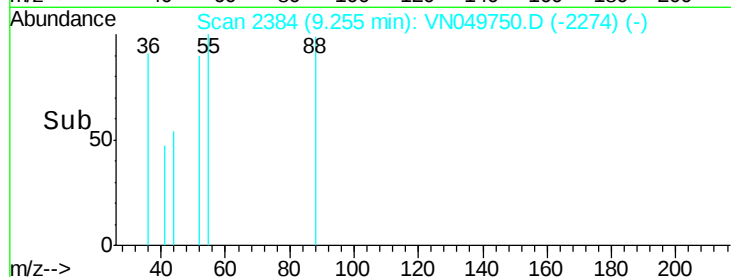
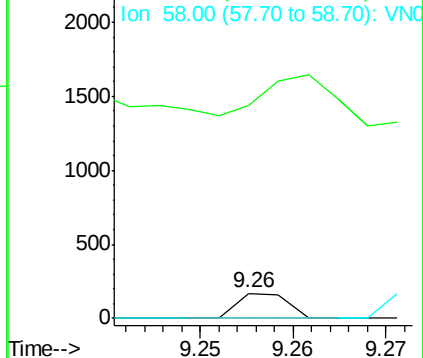
#49
1,4-Dioxane
Concen: 0.32 ug/l
RT: 9.26 min Scan# 2384
Delta R.T. 0.05 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Instrument :
MSVOA_N
ClientSampleId :
TW-3

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 293.8 25.1 37.7#
58 0.0 52.5 78.7#

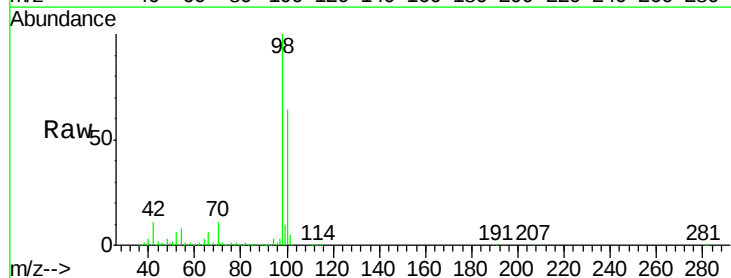


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

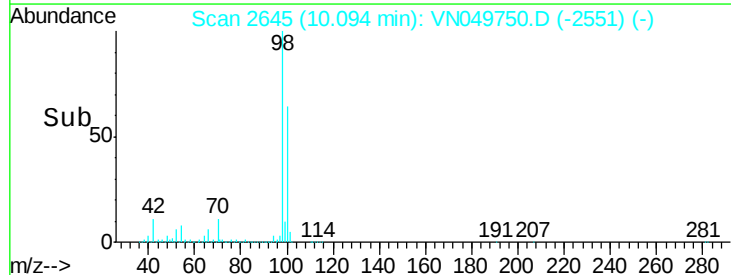
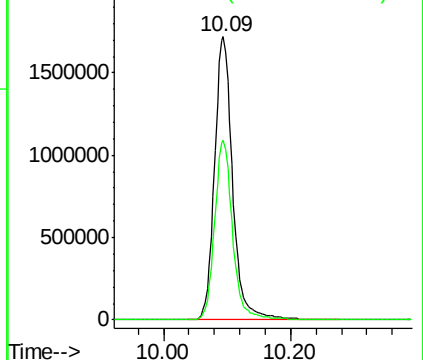


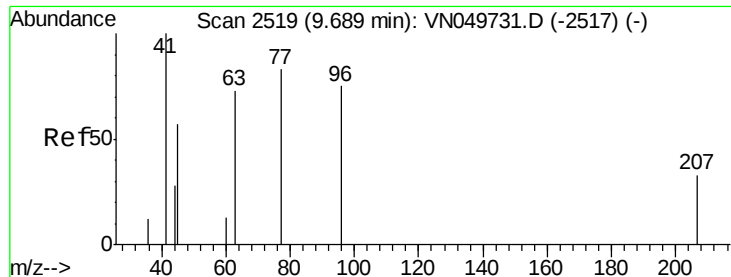
#50
Toluene-d8
Concen: 45.94 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 98 Resp: 3387521
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

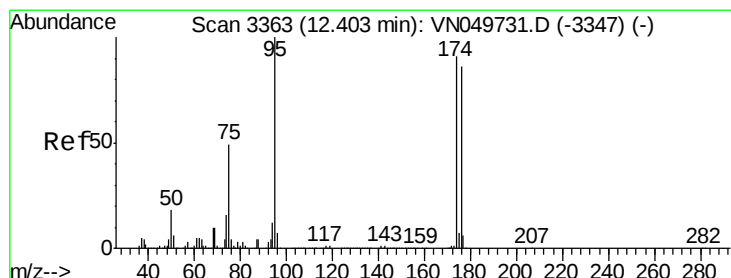
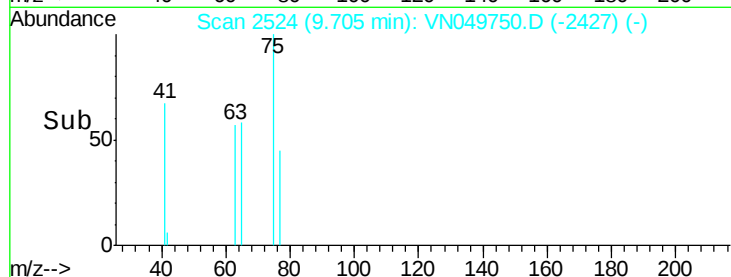
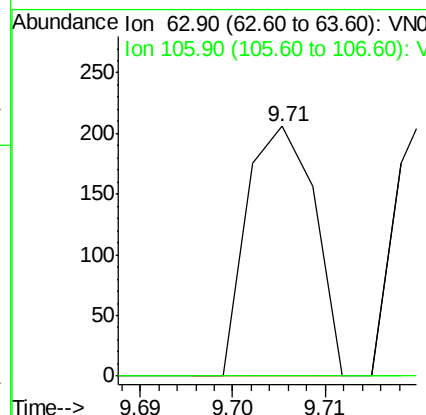
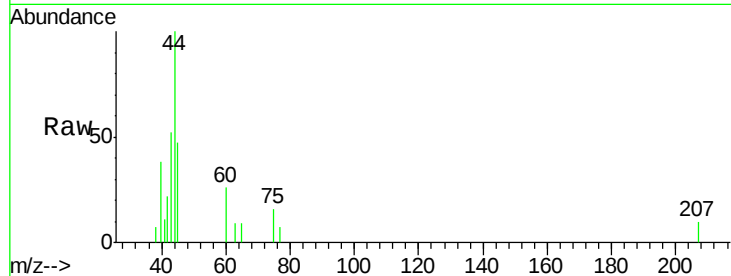




#58
2-Chloroethyl Vinyl ether
Concen: 10.83 ug/l
RT: 9.71 min Scan# 2524
Delta R.T. 0.01 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

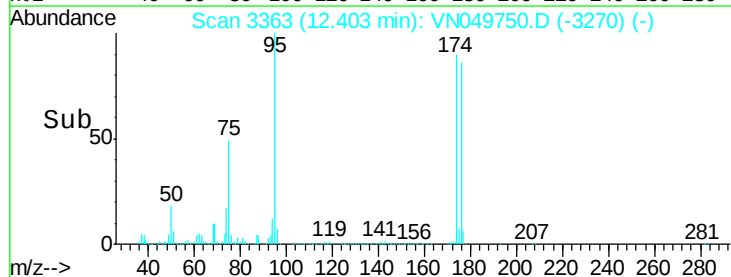
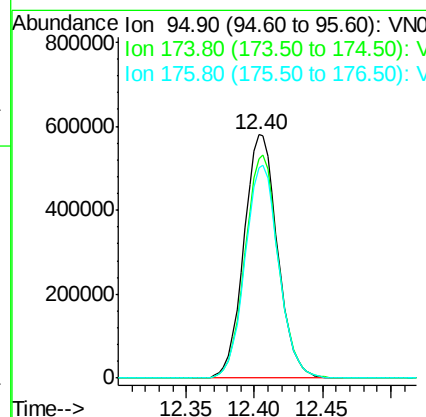
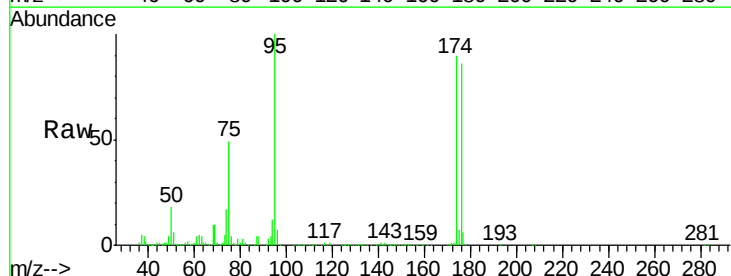
Instrument :
MSVOA_N
ClientSampled :
TW-3

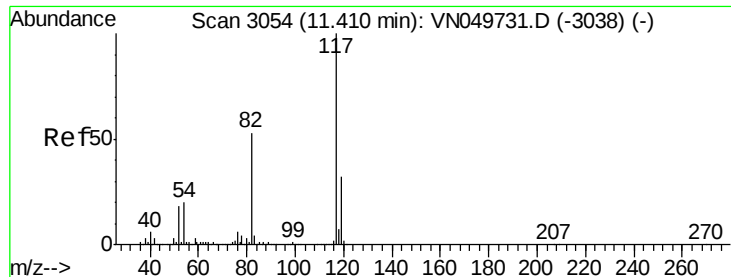
Tot Ion: 63 Resp: 104
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#



#62
4-Bromofluorobenzene
Concen: 39.27 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 95 Resp: 988629
Ion Ratio Lower Upper
95 100
174 90.8 0.0 179.6
176 87.7 0.0 174.0

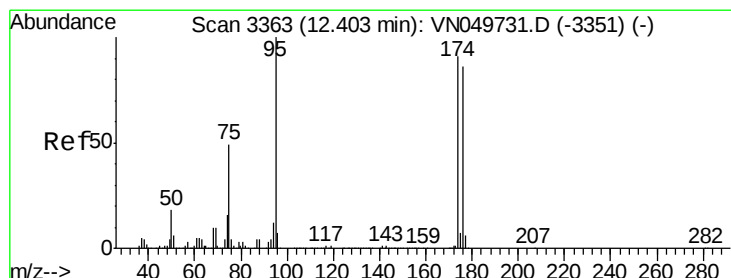
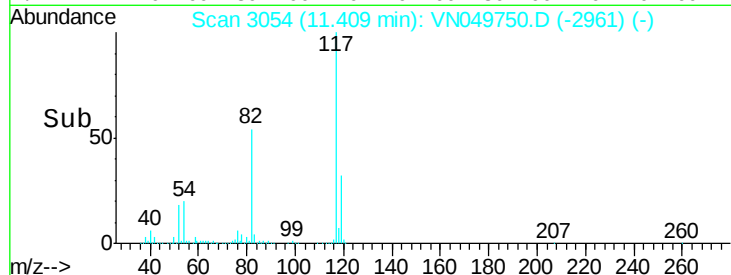
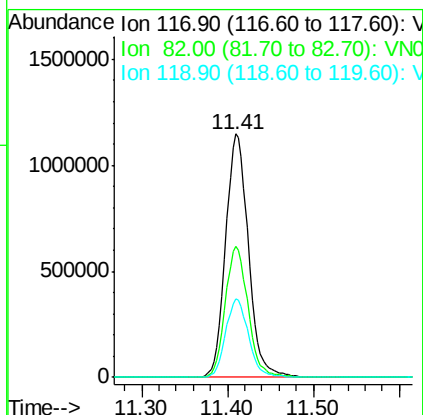
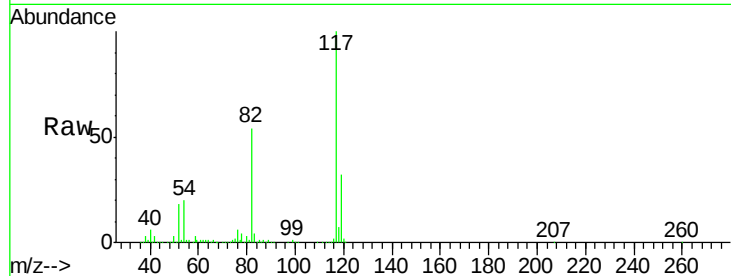




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

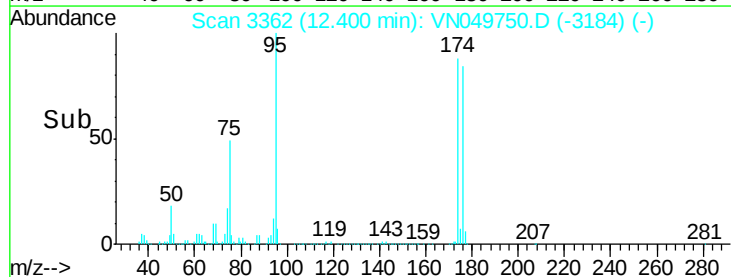
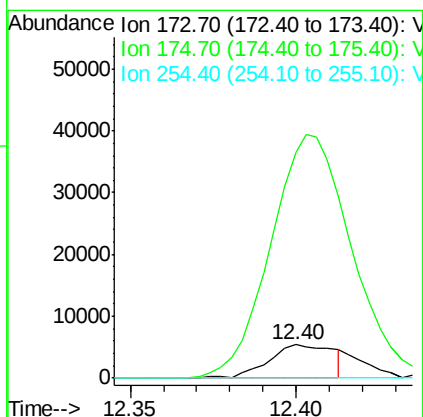
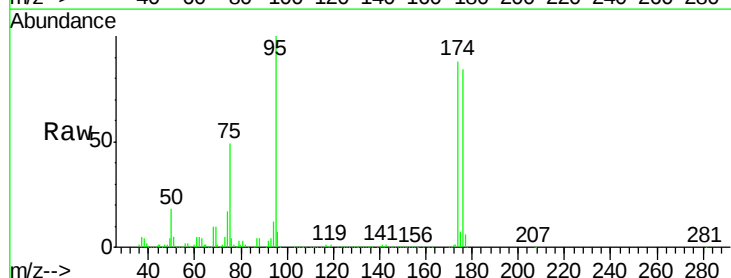
Instrument :
MSVOA_N
ClientSampled :
TW-3

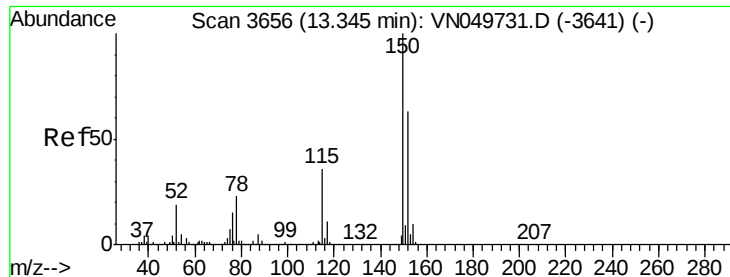
Tot Ion:117 Resp: 2108924
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion:173 Resp: 7325
Ion Ratio Lower Upper
173 100
175 726.1 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

Instrument :

MSVOA_N

ClientSampled :

TW-3

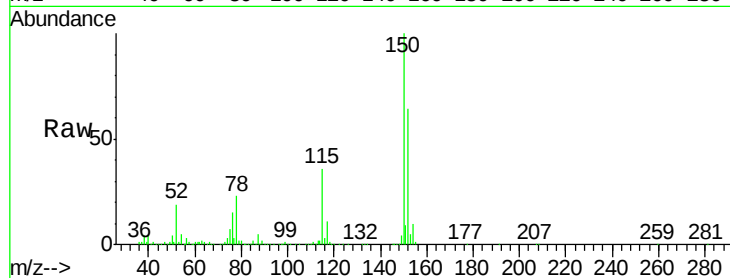
Tot Ion:152 Resp: 781230

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

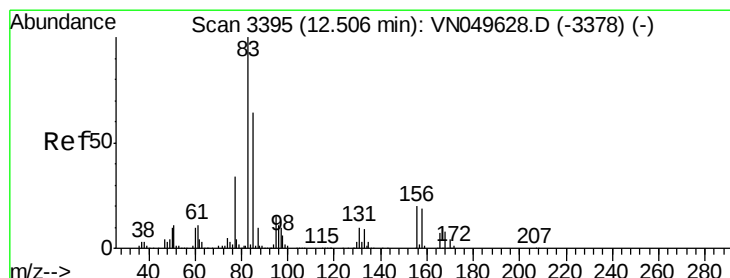
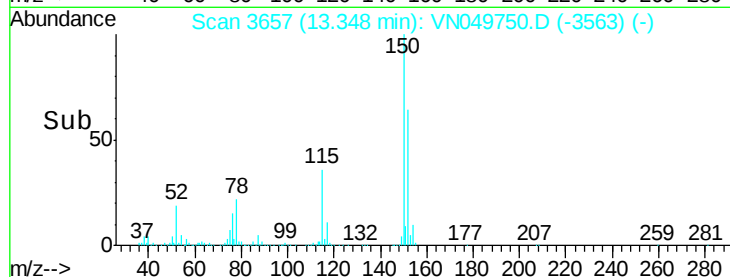
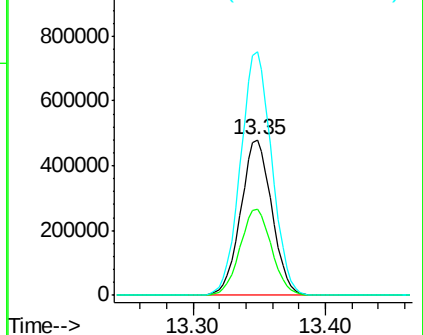
150 157.5 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

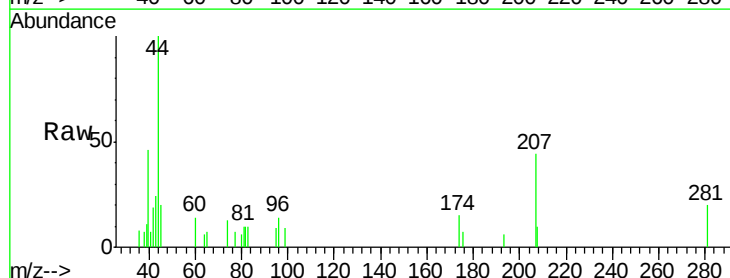
Tgt Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

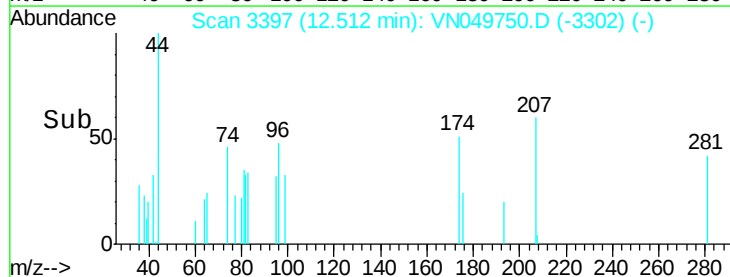
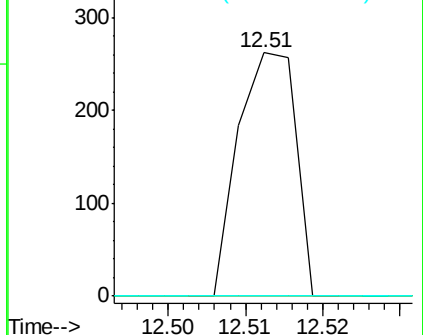
85 0.0 32.5 97.4#

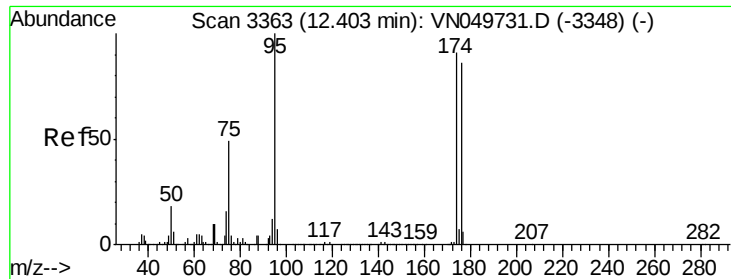


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

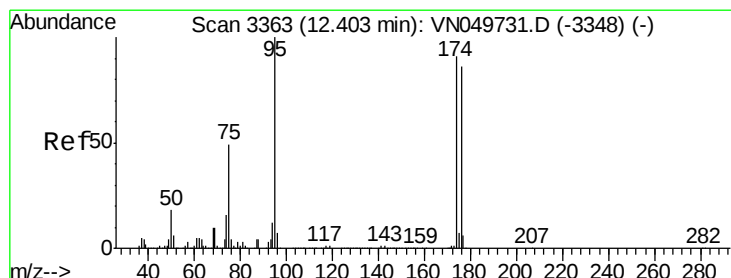
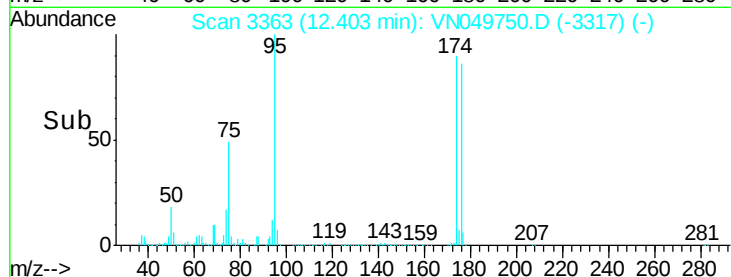
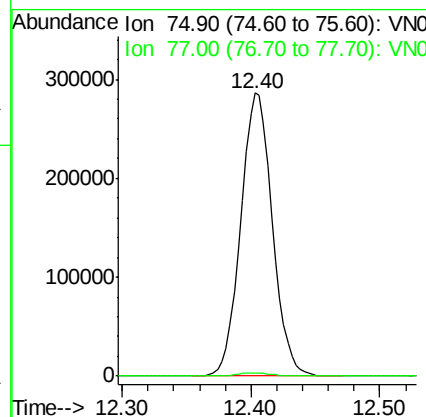
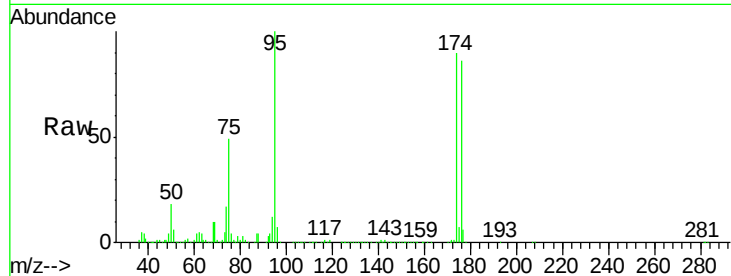




#76
 1,2,3-Trichloropropane
 Concen: 38.82 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

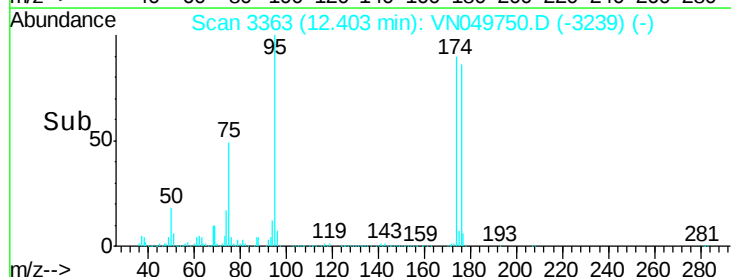
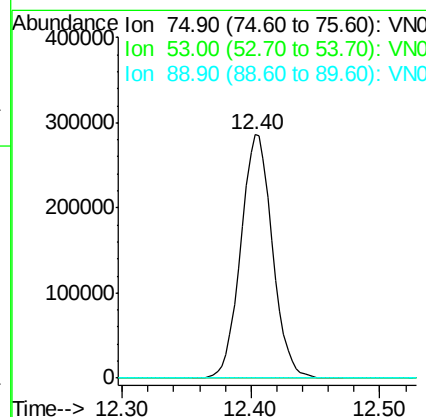
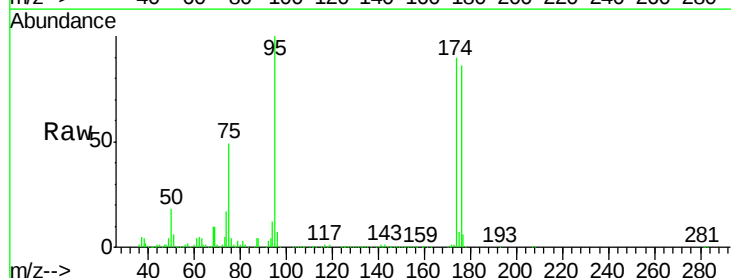
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

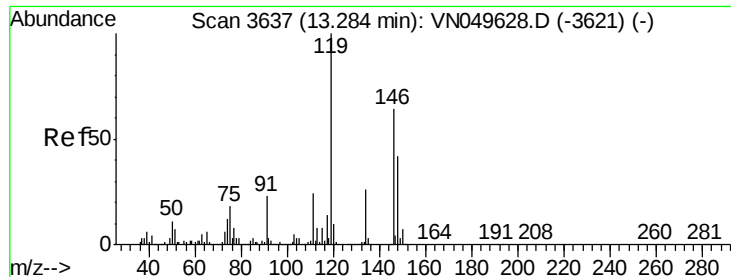
Tot Ion: 75 Resp: 486448
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.87 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049750.D
 Acq: 6 Jul 2018 20:05

Tgt Ion: 75 Resp: 486448
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.9 110.9#
 89 0.0 35.9 53.9#

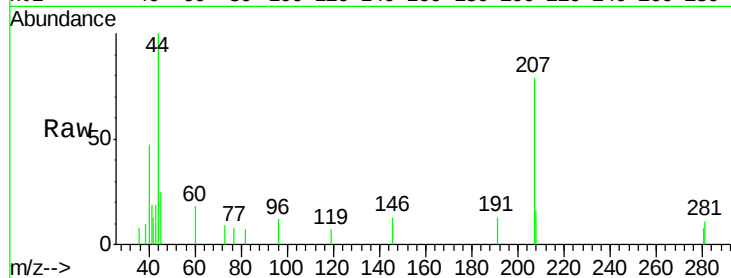




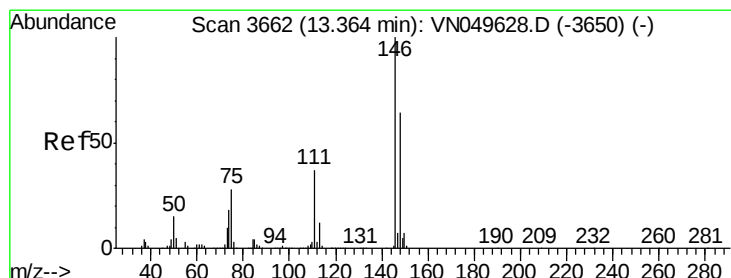
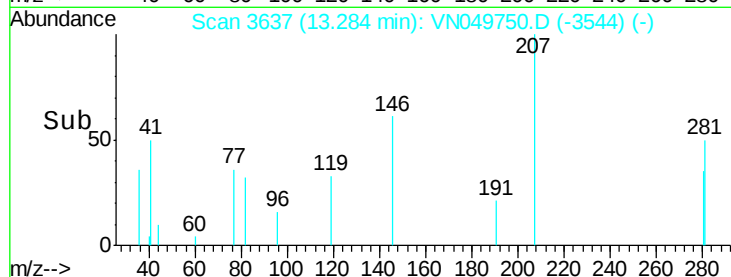
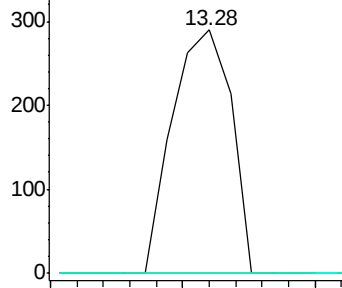
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Instrument :
MSVOA_N
ClientSampled :
TW-3

Tot Ion:146 Resp: 179
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 0.0 32.5 97.5#

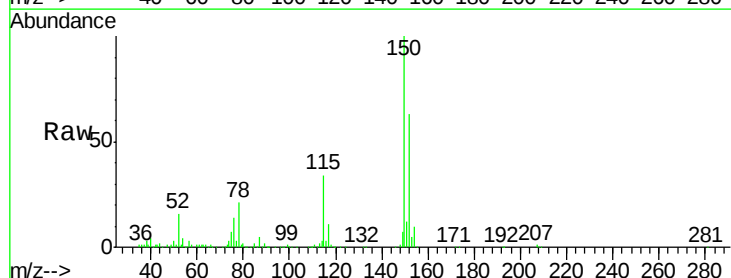


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

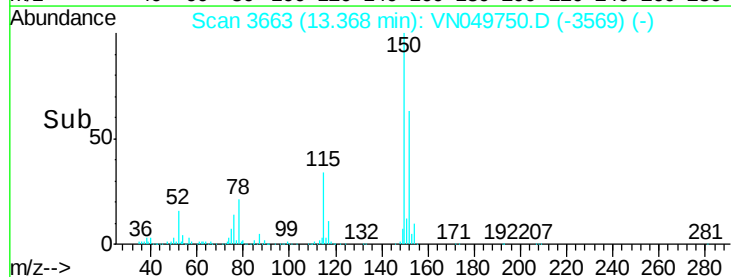
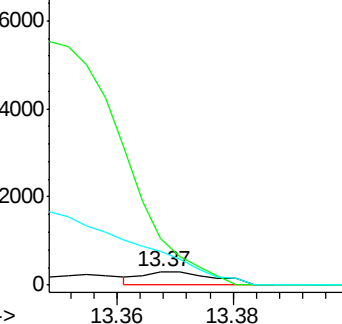


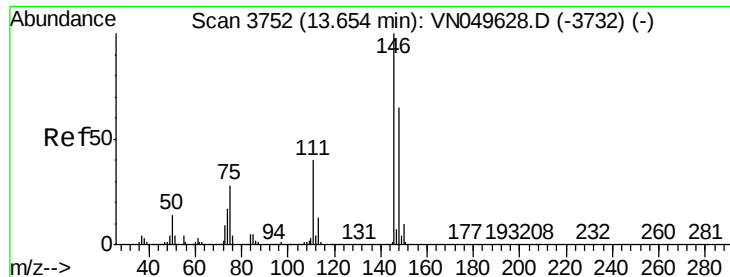
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.37 min Scan# 3663
Delta R.T. 0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion:146 Resp: 258
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.5#
148 0.0 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

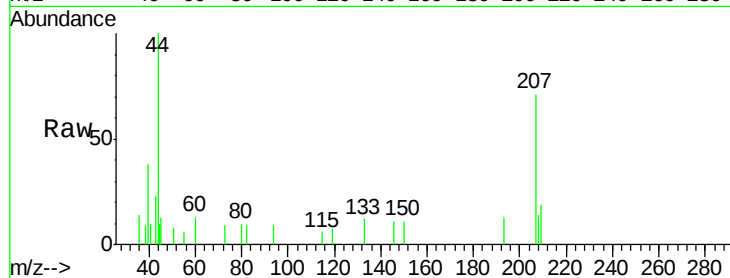




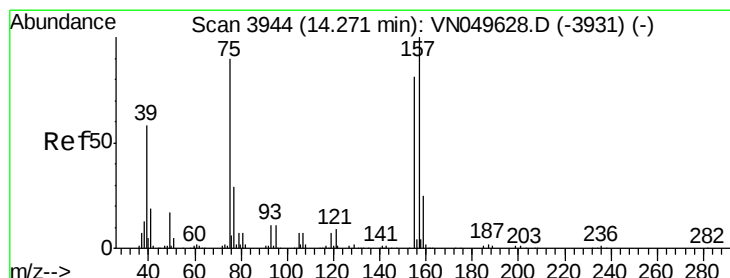
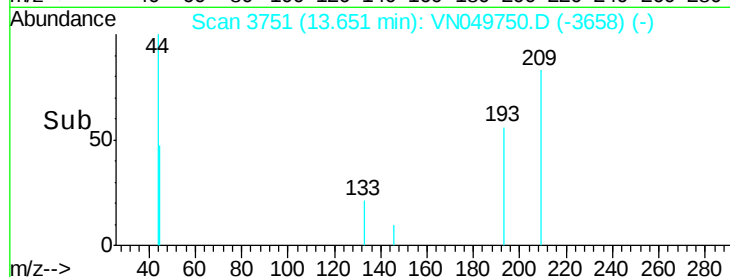
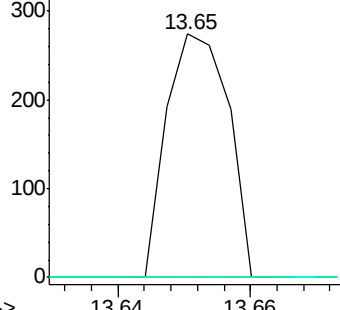
#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.65 min Scan# 3751
Delta R.T. -0.00 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Instrument :
MSVOA_N
ClientSampled :
TW-3

Tot Ion:146 Resp: 177
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.1#
148 0.0 32.0 96.2#

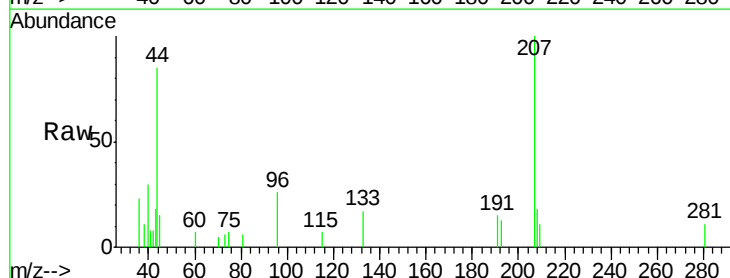


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

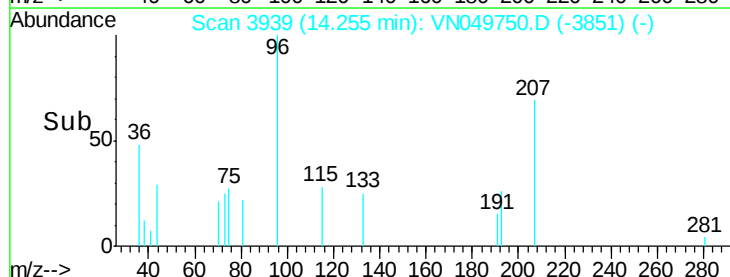
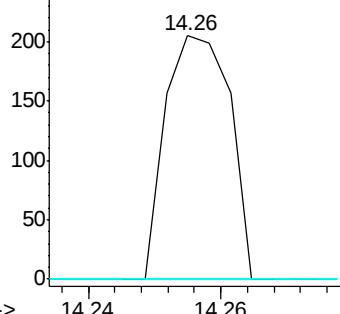


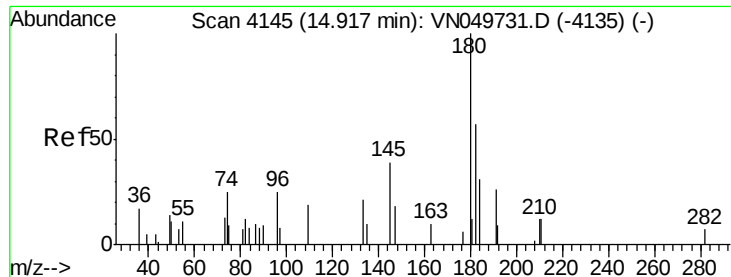
#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3939
Delta R.T. -0.02 min
Lab File: VN049750.D
Acq: 6 Jul 2018 20:05

Tgt Ion: 75 Resp: 139
Ion Ratio Lower Upper
75 100
155 0.0 45.7 137.1#
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.41 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

Instrument :

MSVOA_N

ClientSampled :

TW-3

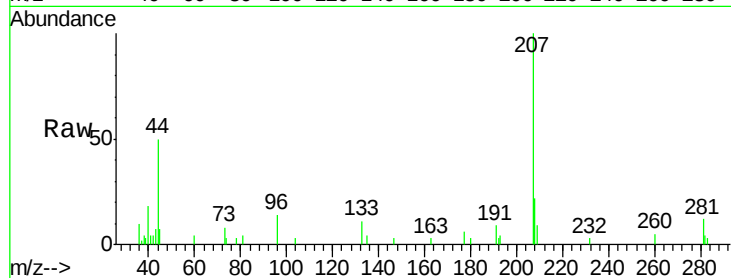
Tot Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

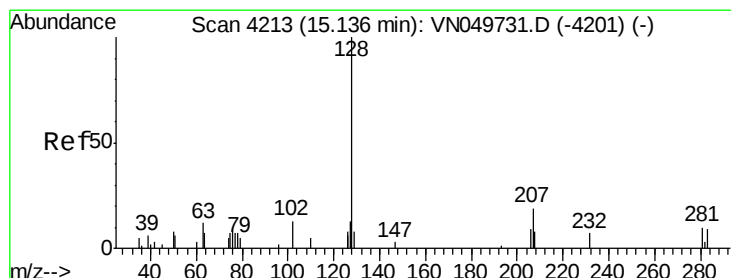
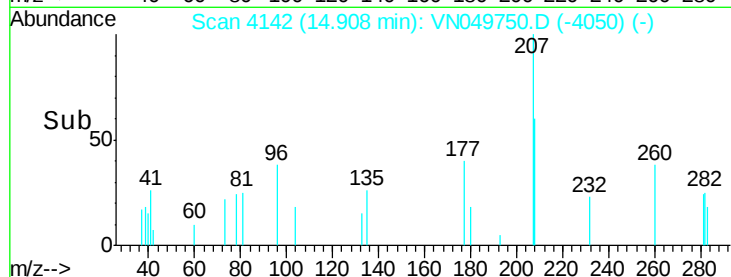
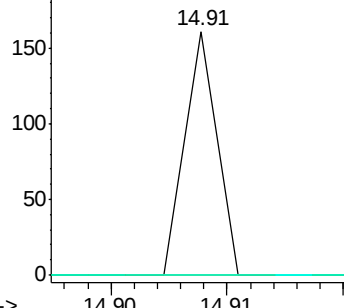
145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 4.07 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049750.D

Acq: 6 Jul 2018 20:05

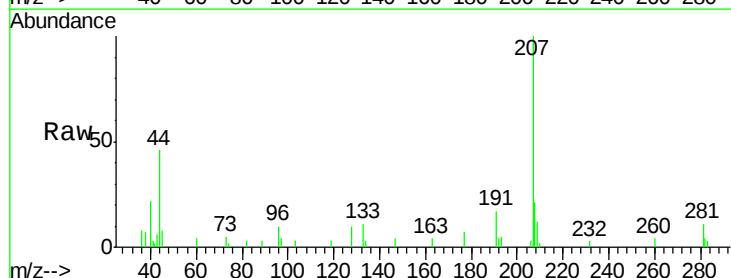
Tgt Ion:128 Resp: 1202

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

