

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049752.D
 Acq On : 6 Jul 2018 20:57
 Operator : MD\SY
 Sample : J3869-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Quant Time: Jul 06 22:56:22 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	1538221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2568097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2154050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	811157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	1097856	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	896350	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	10.09	98	3451382	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.41	95	1021174	39.80	ug/l	0.00
Spiked Amount			Recovery	=	79.60%	

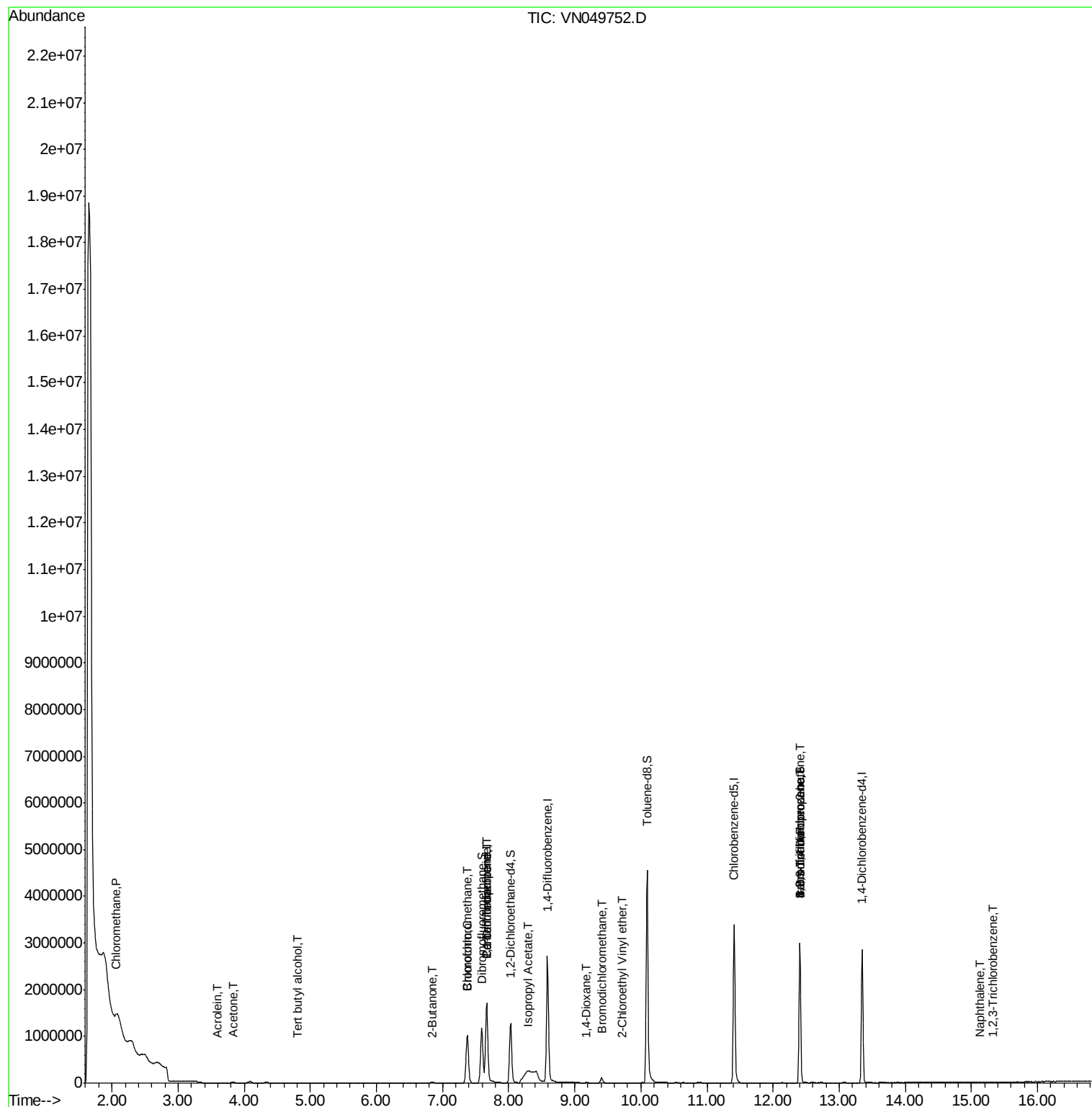
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	7622	0.35	ug/l	99
11) Tert butyl alcohol	4.80	59	316	0.27	ug/l #	72
13) Acrolein	3.61	56	1057	0.97	ug/l #	47
16) Acetone	3.83	43	38936	1.61	ug/l	100
17) Carbon Disulfide	4.04	76	7467	Below	Cal #	86
18) Methyl Acetate	4.34	43	27766	Below	Cal	100
25) 2-Butanone	6.85	43	4044	0.60	ug/l #	82
28) Bromochloromethane	7.37	49	81923	5.46	ug/l #	11
30) Chloroform	7.37	83	1094601	30.36	ug/l	99
36) 1,1-Dichloropropene	7.67	75	105426	3.65	ug/l #	50
38) Carbon Tetrachloride	7.67	117	136276	4.85	ug/l #	16
43) Isopropyl Acetate	8.28	43	367096	10.51	ug/l #	63
47) Bromodichloromethane	9.41	83	76950	2.62	ug/l	97
49) 1,4-Dioxane	9.18	88	66	0.33	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	99	10.83	ug/l #	48
71) Bromoform	12.40	173	7025	0.52	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.47	83	31	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	500736	38.49	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	500736	130.73	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	342	Below	Cal #	68
88) 1,4-Dichlorobenzene	13.36	146	180	Below	Cal #	1
91) 1,2-Dichlorobenzene	13.38	146	256	Below	Cal #	25
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29	Below	Cal #	1
95) Naphthalene	15.14	128	1252	4.07	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	32	1.65	ug/l #	12

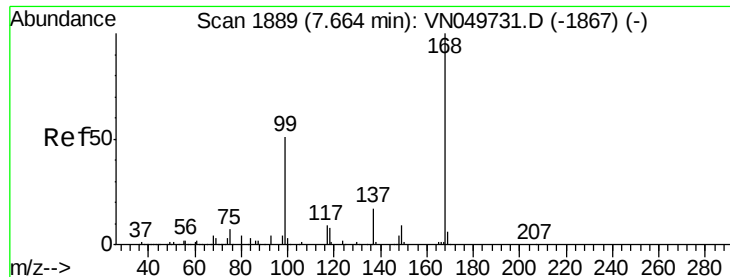
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
Data File : VN049752.D
Acq On : 6 Jul 2018 20:57
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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: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampleId :

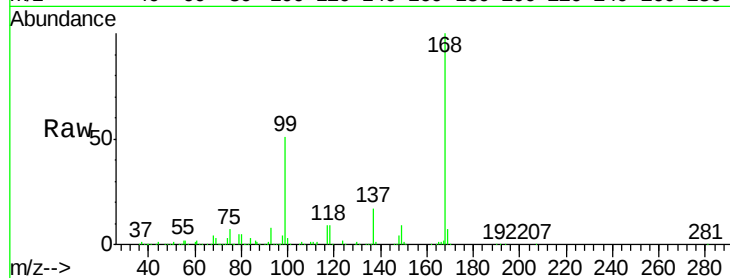
TW-2

Tot Ion:168 Resp: 1538221

Ion Ratio Lower Upper

168 100

99 51.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

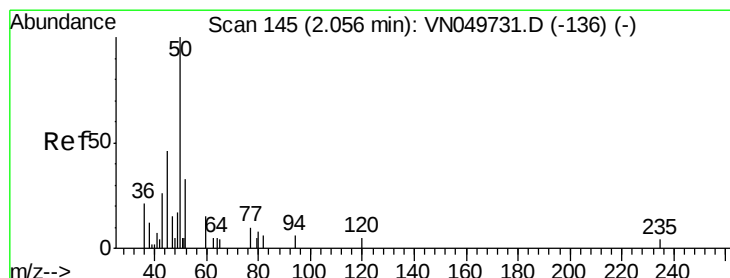
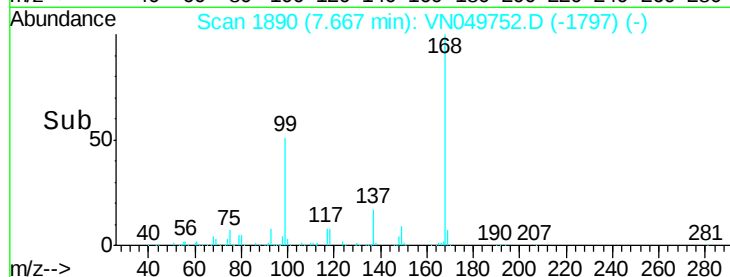
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049752.D

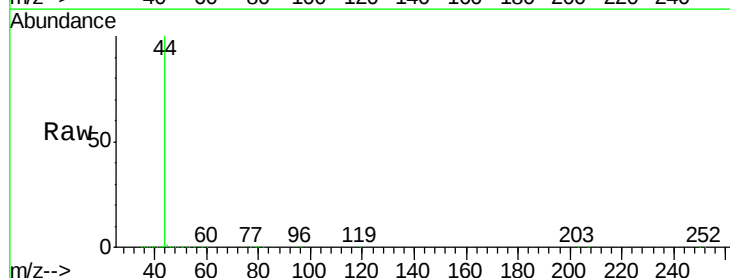
Acq: 6 Jul 2018 20:57

Tgt Ion: 50 Resp: 7622

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

5000

4000

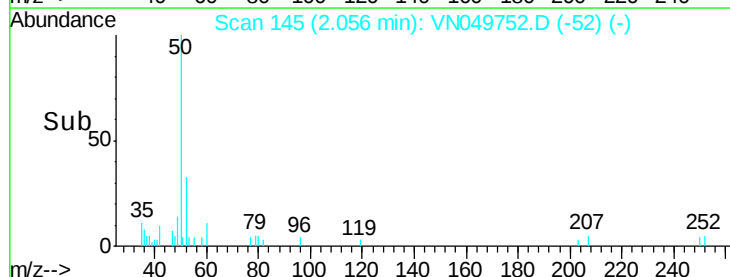
3000

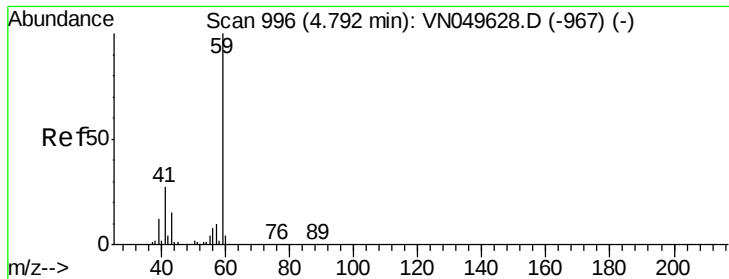
2000

1000

0

Time--> 2.00 2.05 2.10



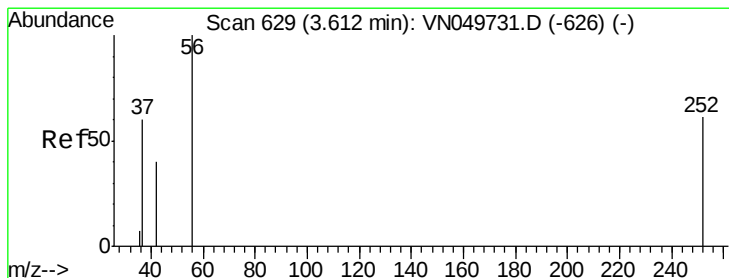
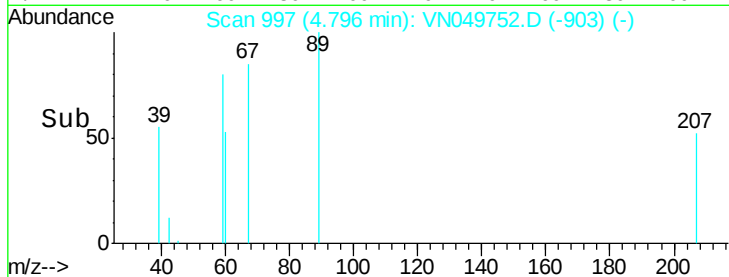
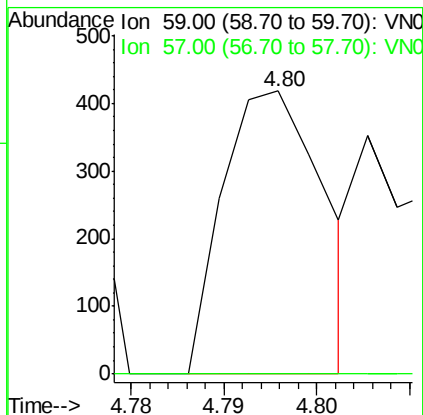
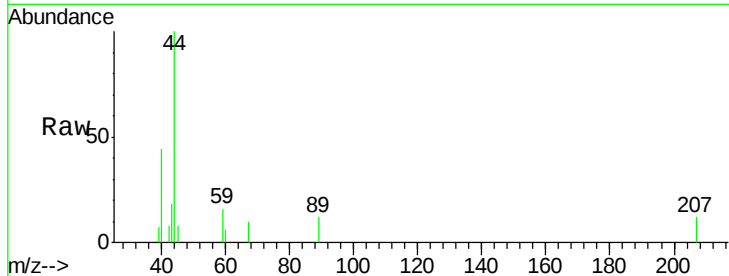


#11

Tert butyl alcohol
 Concen: 0.27 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 TW-2

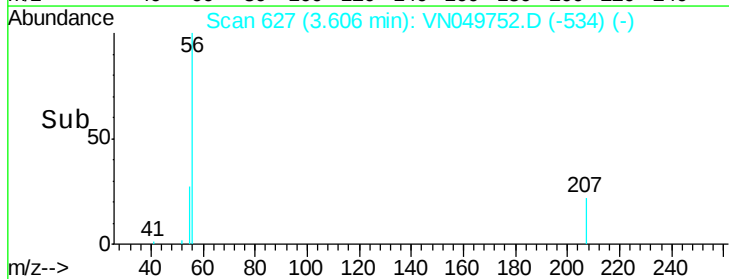
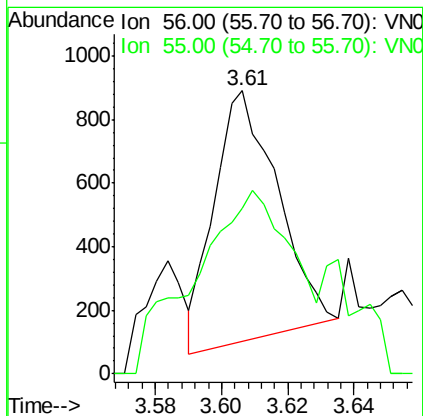
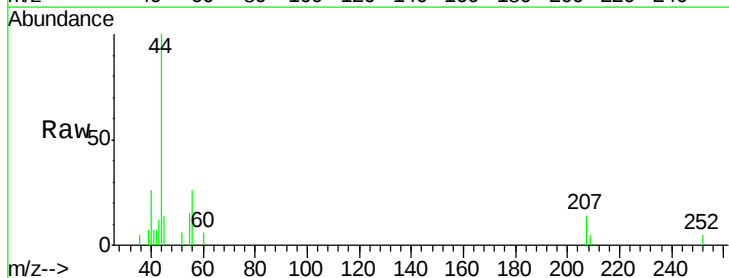
Tot Ion: 59 Resp: 316
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

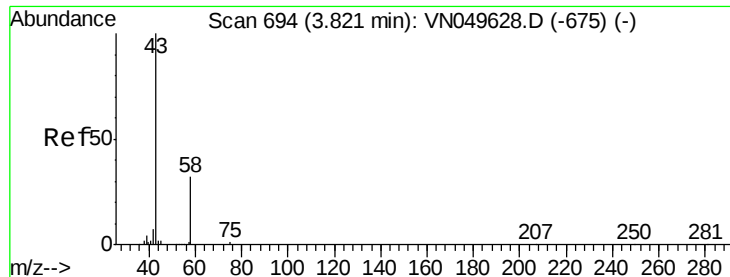


#13

Acrolein
 Concen: 0.97 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Tgt Ion: 56 Resp: 1057
 Ion Ratio Lower Upper
 56 100
 55 113.3 55.8 83.8#





#16

Acetone

Concen: 1.61 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

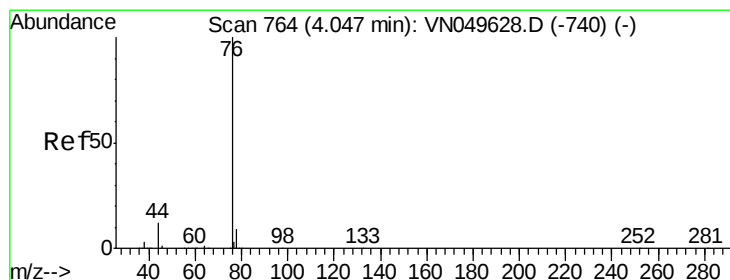
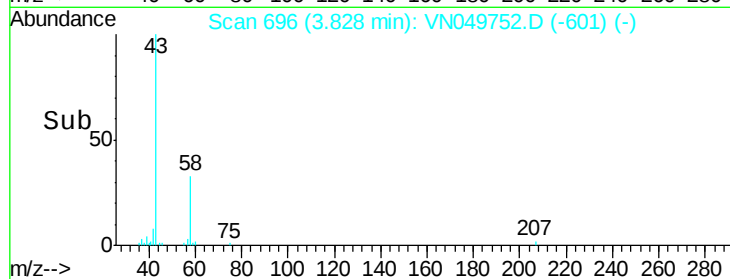
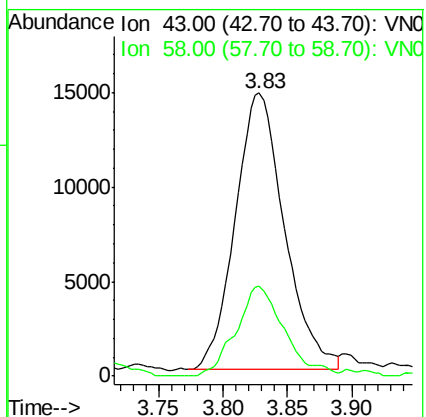
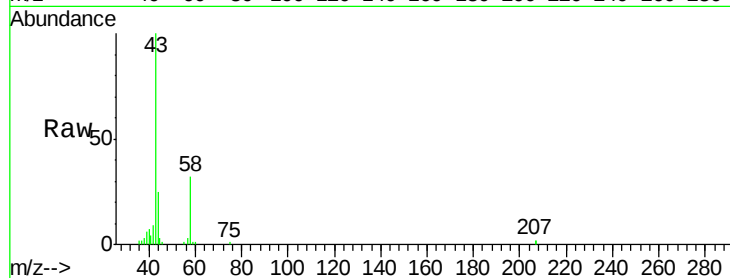
TW-2

Tot Ion: 43 Resp: 38936

Ion Ratio Lower Upper

43 100

58 32.4 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049752.D

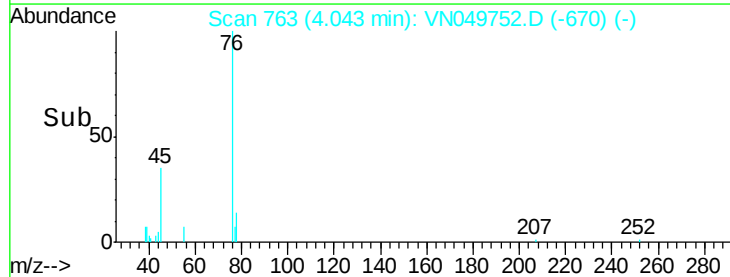
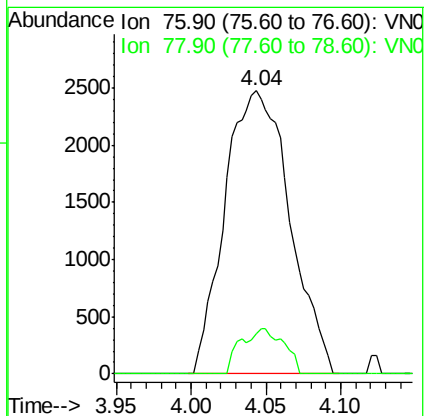
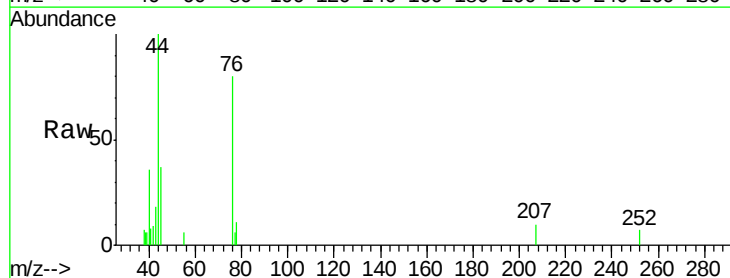
Acq: 6 Jul 2018 20:57

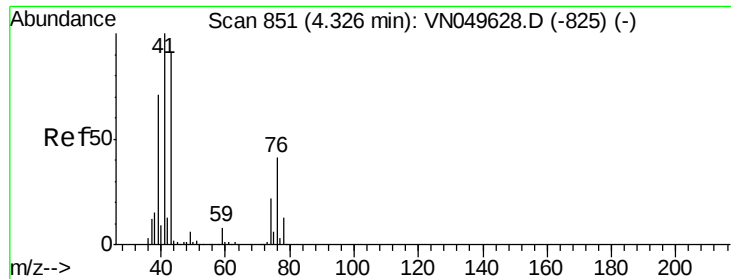
Tgt Ion: 76 Resp: 7467

Ion Ratio Lower Upper

76 100

78 14.1 7.1 10.7#

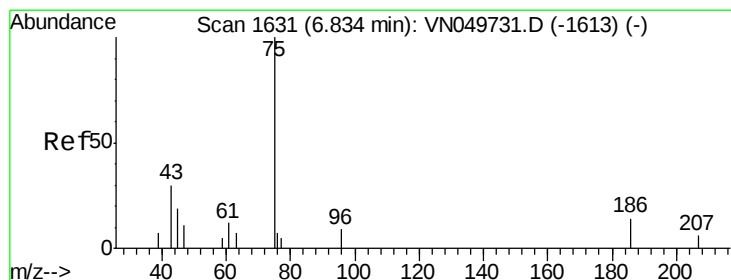
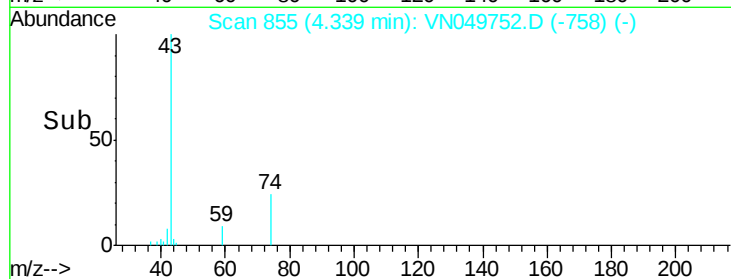
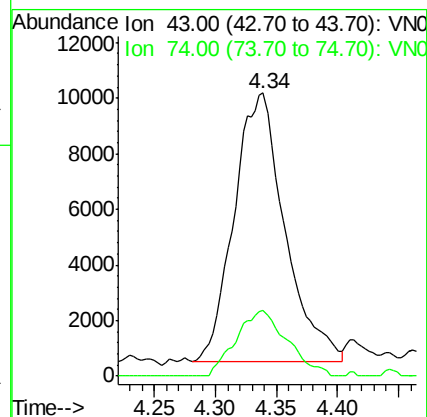
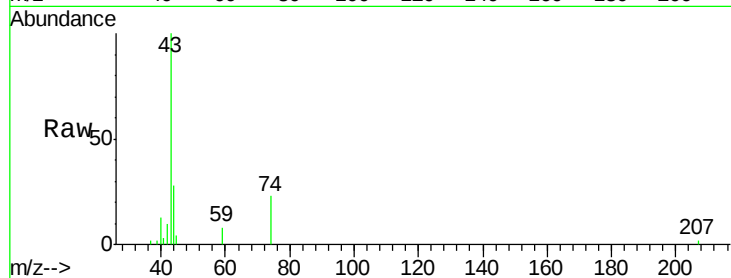




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

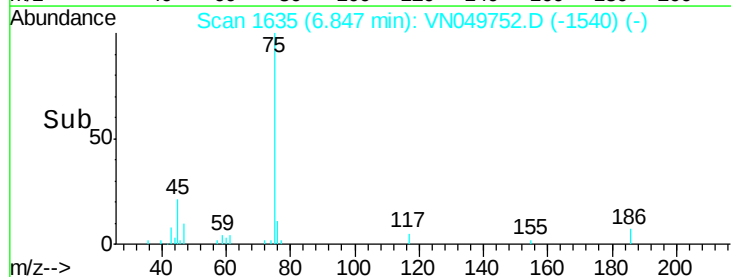
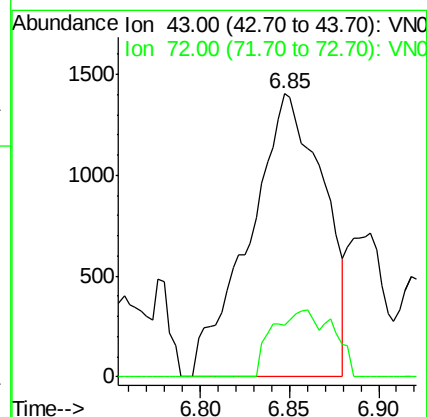
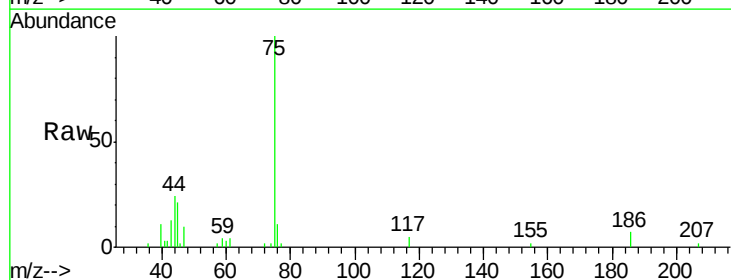
Instrument :
MSVOA_N
ClientSampleId :
TW-2

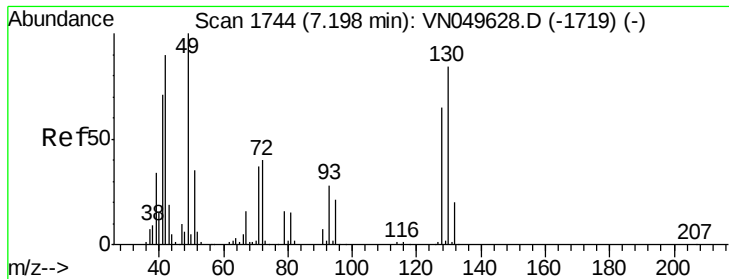
Tot Ion: 43 Resp: 27766
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8



#25
2-Butanone
Concen: 0.60 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

Tgt Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
72 18.1 22.1 33.1#





#28

Bromochloromethane

Concen: 5.46 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.17 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :
MSVOA_N
ClientSampled :
TW-2

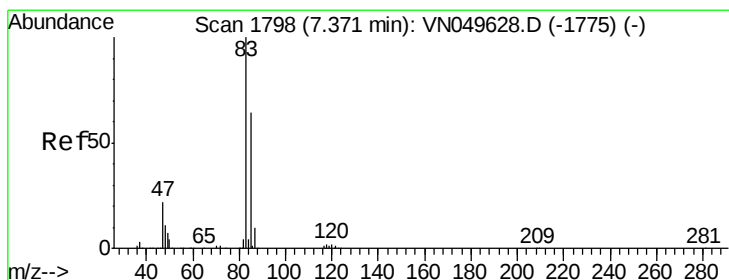
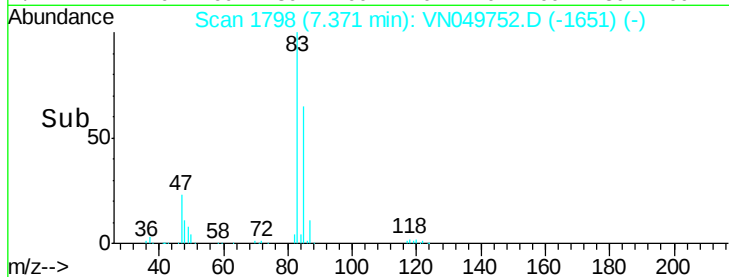
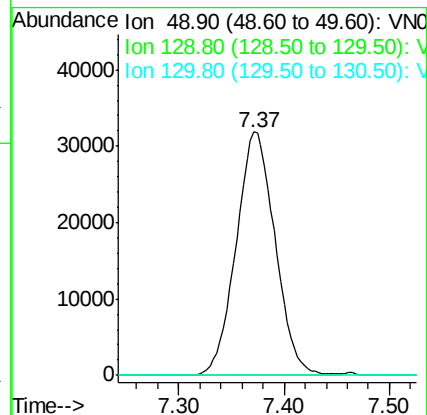
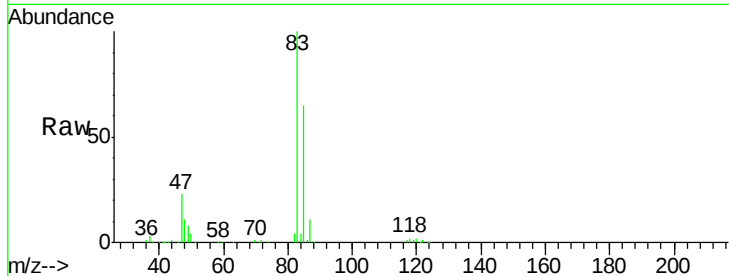
Tot Ion: 49 Resp: 81923

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 0.0 65.5 98.3#



#30

Chloroform

Concen: 30.36 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049752.D

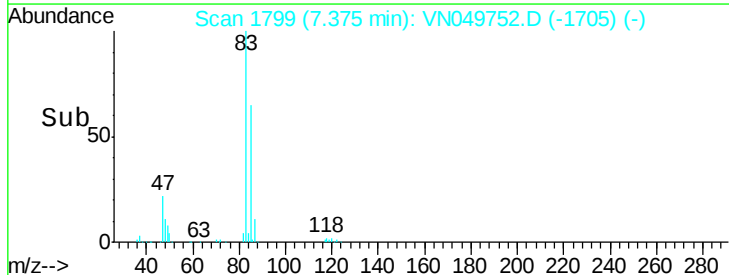
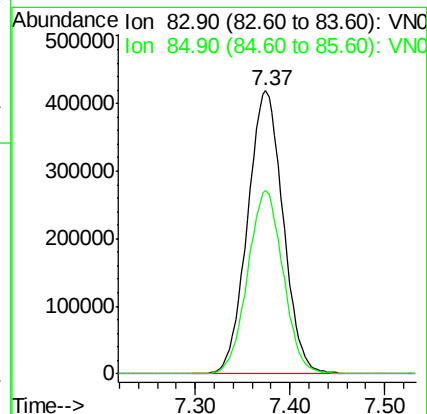
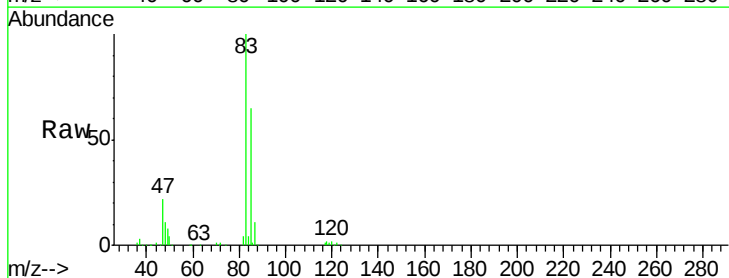
Acq: 6 Jul 2018 20:57

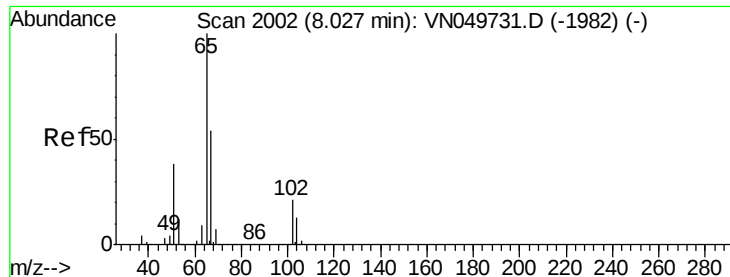
Tgt Ion: 83 Resp: 1094601

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2

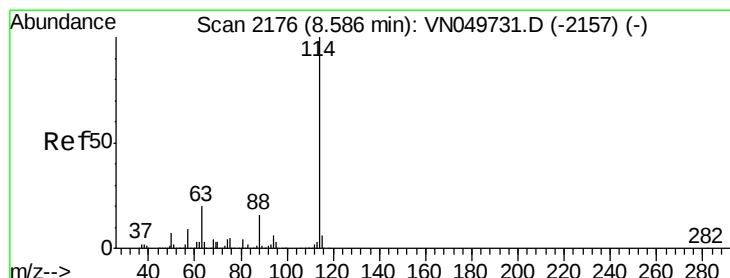
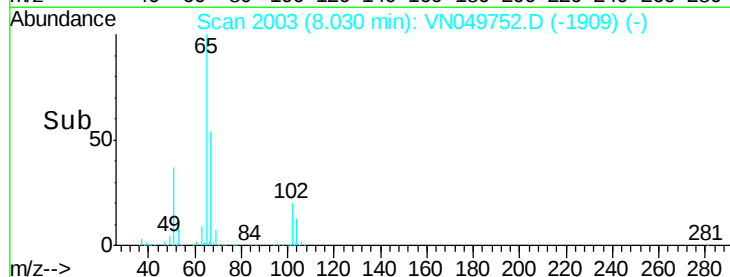
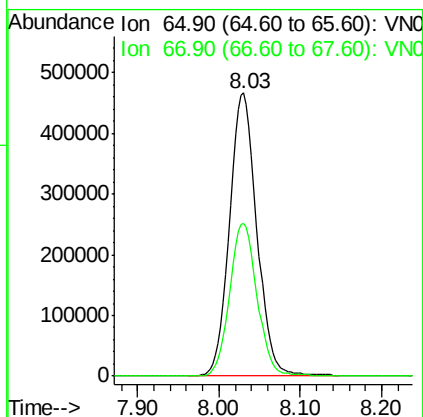
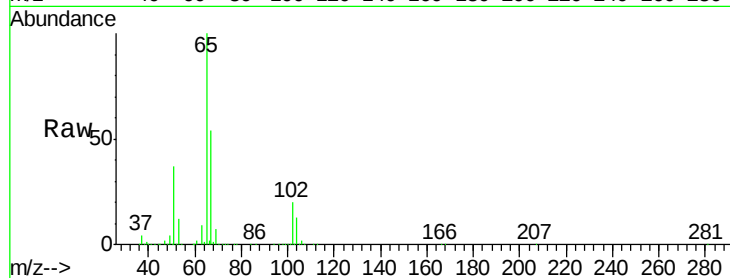




#33
 1,2-Dichloroethane-d4
 Concen: 54.05 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

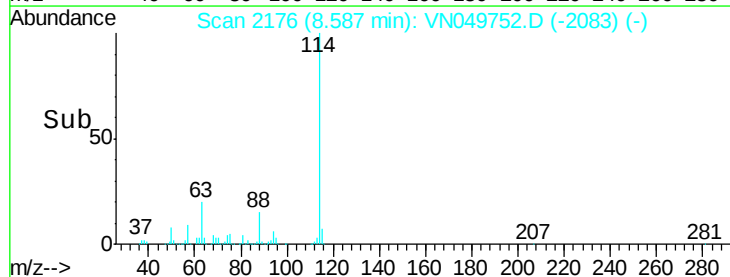
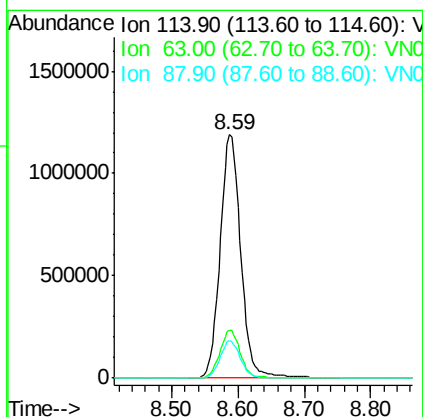
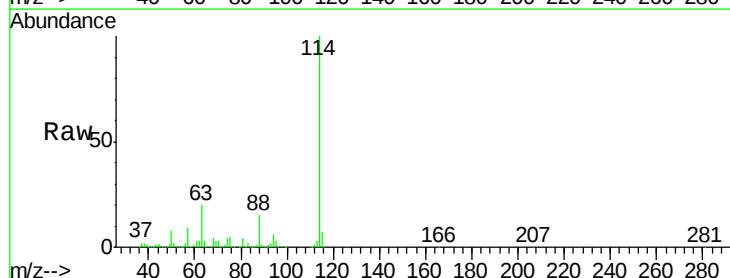
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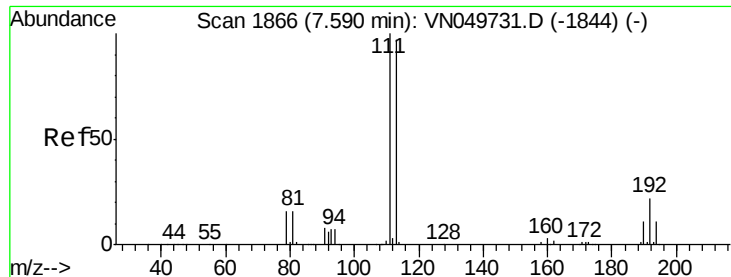
Tot Ion: 65 Resp: 1097856
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Tgt Ion: 114 Resp: 2568097
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.4 0.0 30.6

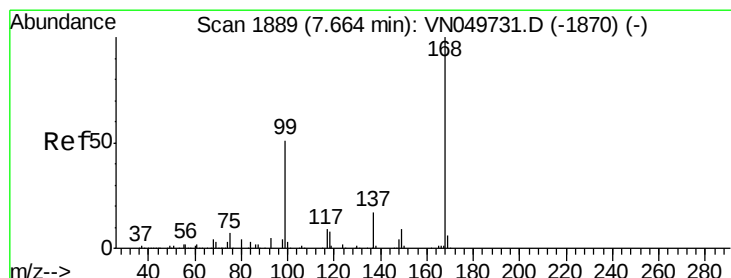
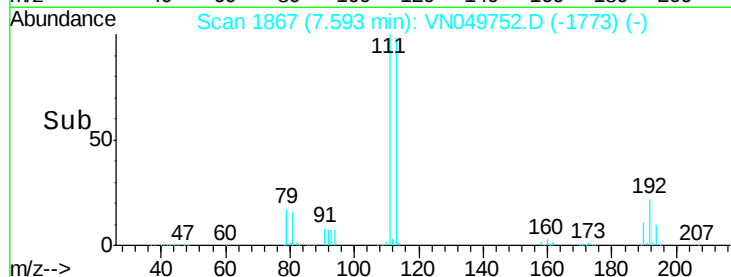
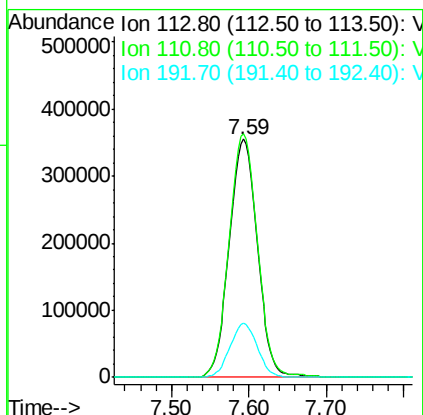
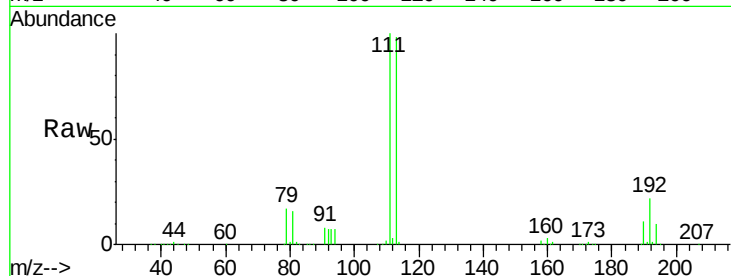




#35
 Dibromofluoromethane
 Concen: 46.69 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

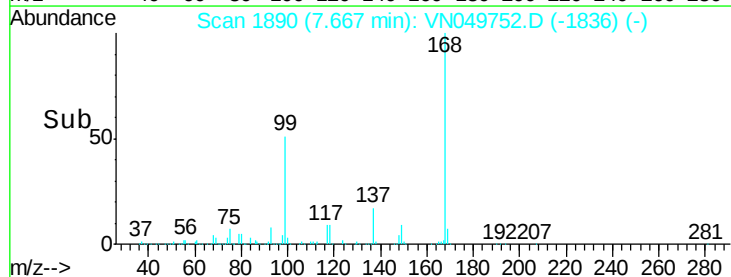
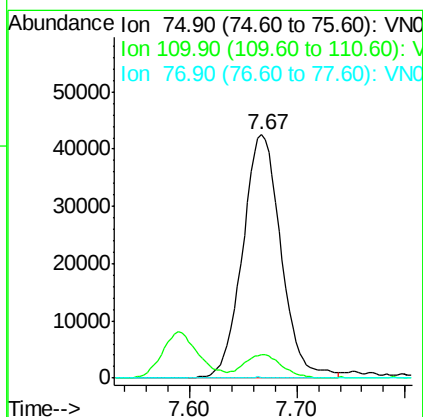
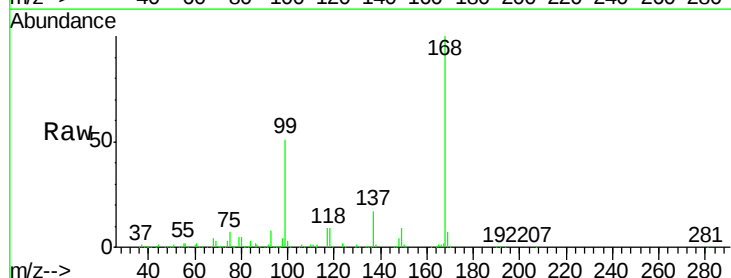
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

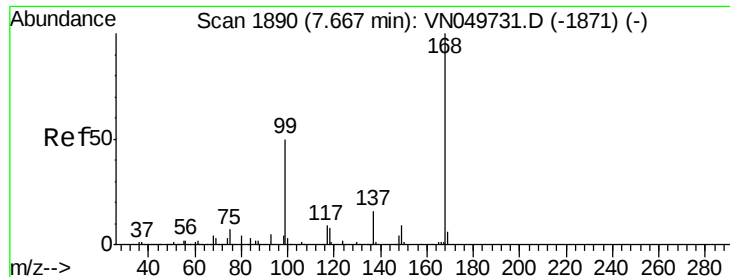
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.4#
77	0.1	24.9	37.3#

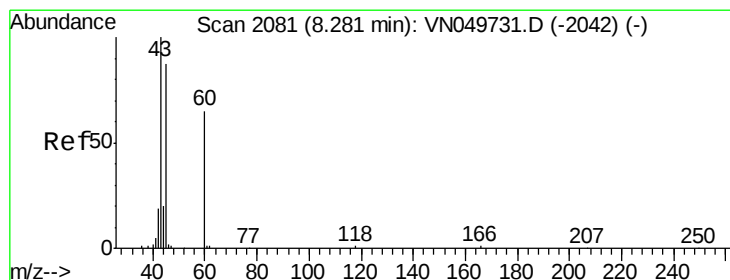
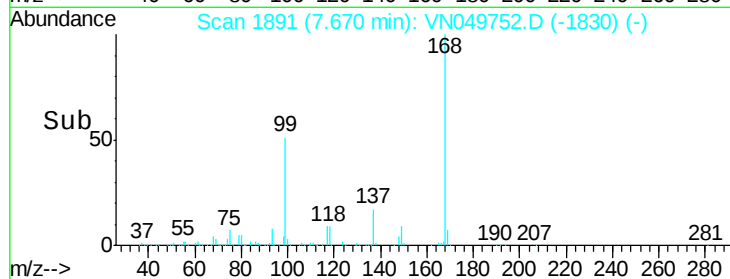
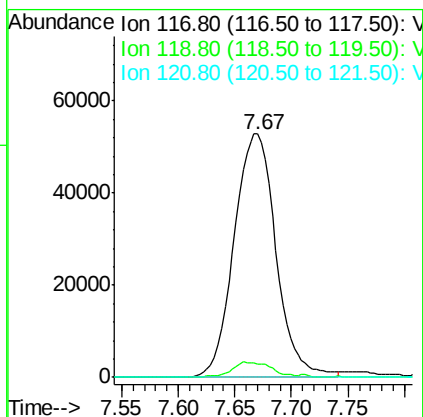
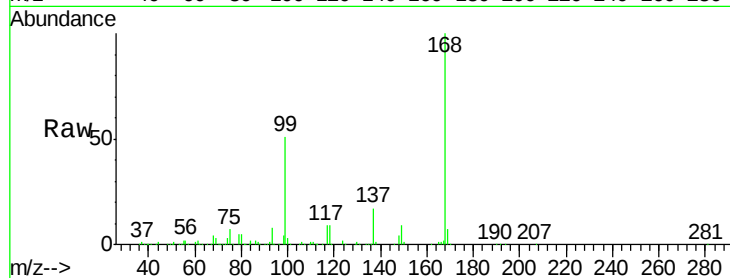




#38
Carbon Tetrachloride
Concen: 4.85 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

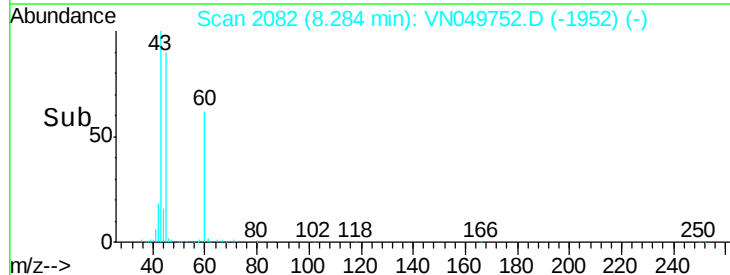
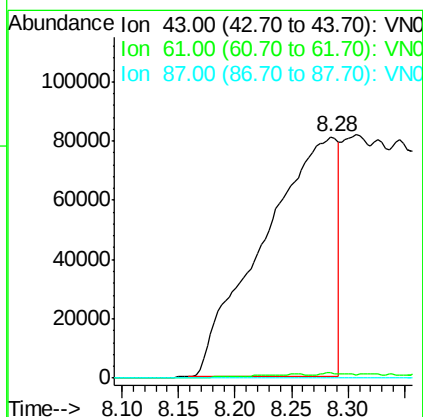
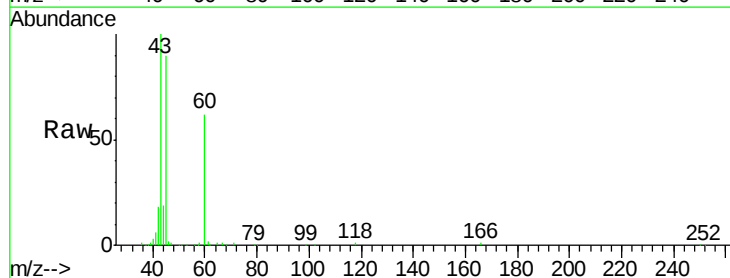
Instrument :
MSVOA_N
ClientSampleId :
TW-2

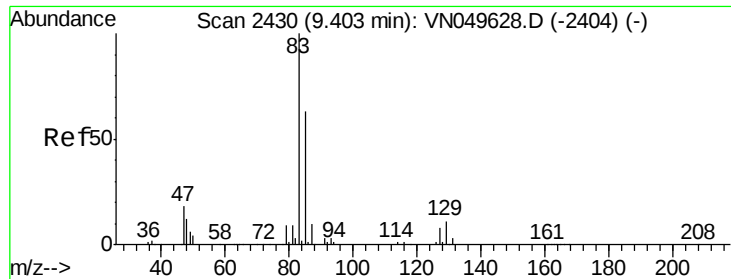
Tot Ion:117 Resp: 136276
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 10.51 ug/l
RT: 8.28 min Scan# 2082
Delta R.T. 0.12 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

Tgt Ion: 43 Resp: 367096
Ion Ratio Lower Upper
43 100
61 0.2 14.9 22.3#
87 0.0 10.0 15.0#

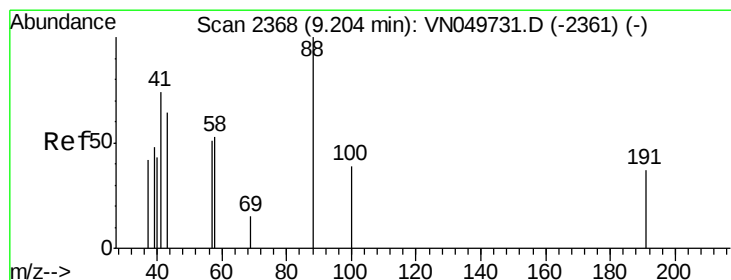
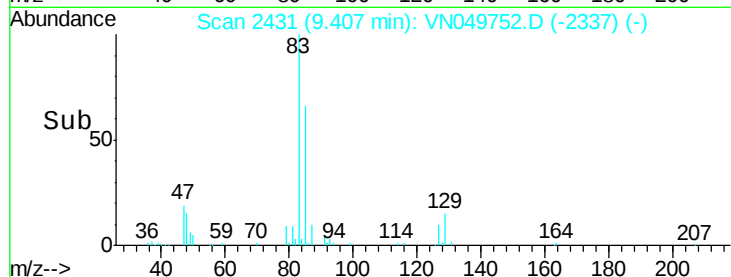
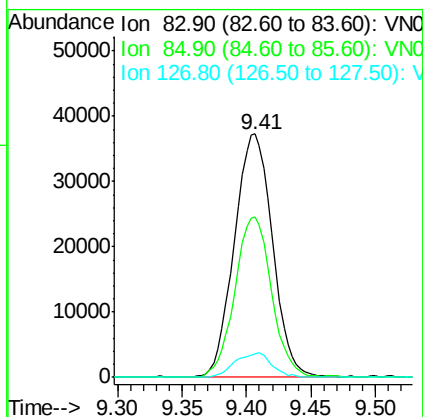
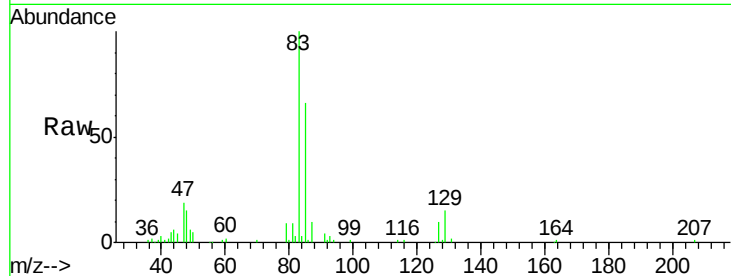




#47
 Bromodichloromethane
 Concen: 2.62 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

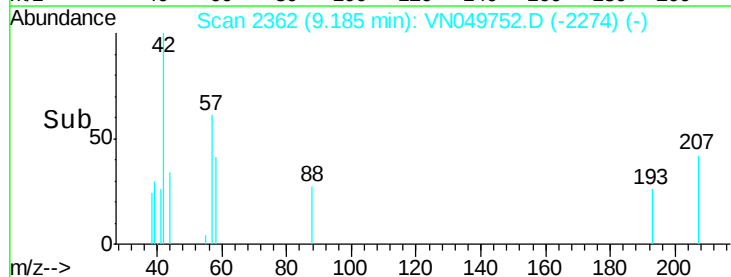
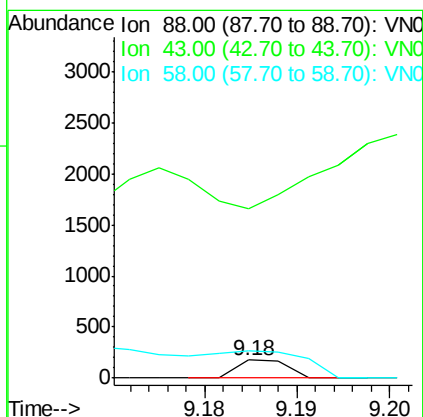
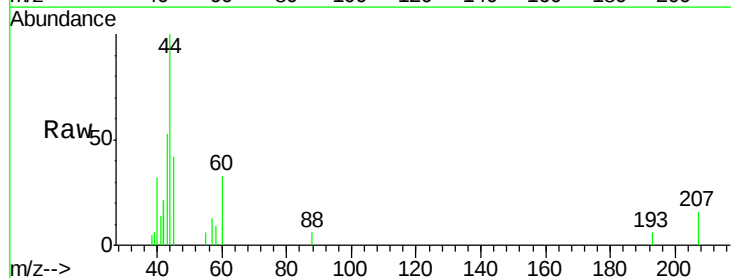
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

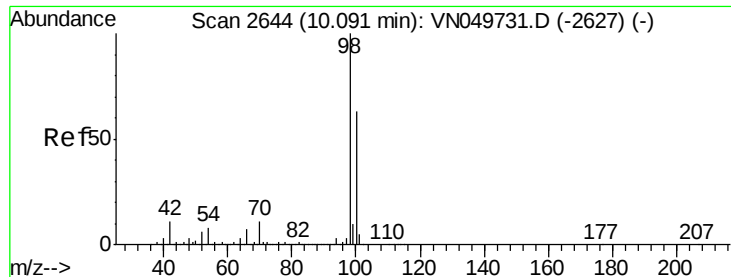
Tot Ion: 83 Resp: 76950
 Ion Ratio Lower Upper
 83 100
 85 65.7 50.5 75.7
 127 9.8 6.8 10.2



#49
 1,4-Dioxane
 Concen: 0.33 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.02 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Tgt Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 721.2 25.1 37.7#
 58 527.3 52.5 78.7#





#50

Toluene-d8

Concen: 45.93 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

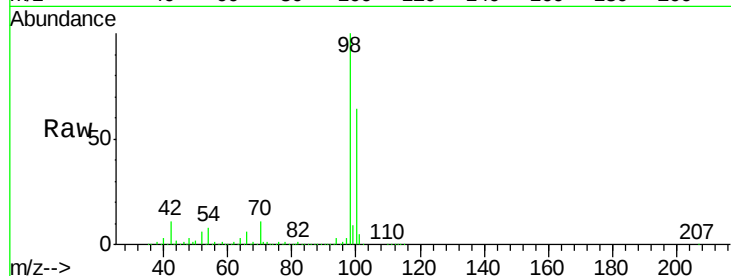
TW-2

Tot Ion: 98 Resp: 3451382

Ion Ratio Lower Upper

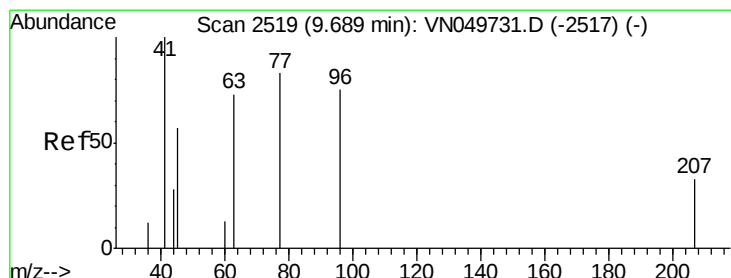
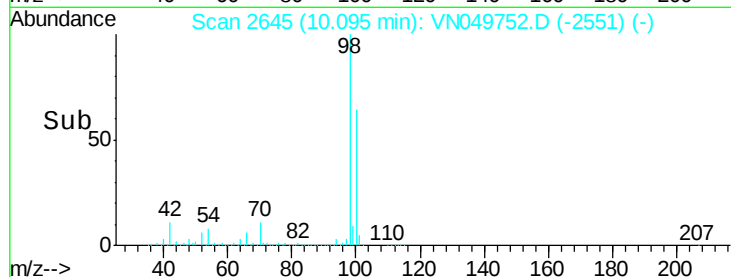
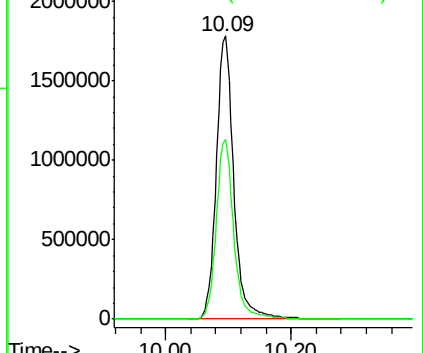
98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#58

2-Chloroethyl Vinyl ether

Concen: 10.83 ug/l

RT: 9.71 min Scan# 2524

Delta R.T. 0.01 min

Lab File: VN049752.D

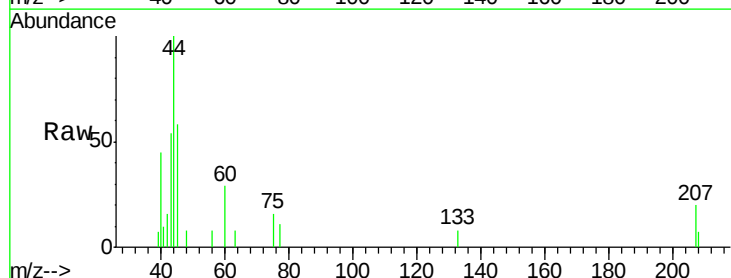
Acq: 6 Jul 2018 20:57

Tgt Ion: 63 Resp: 99

Ion Ratio Lower Upper

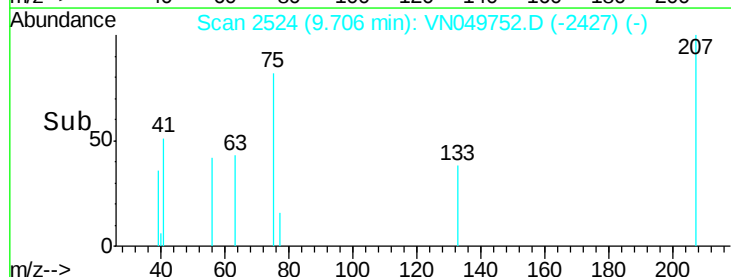
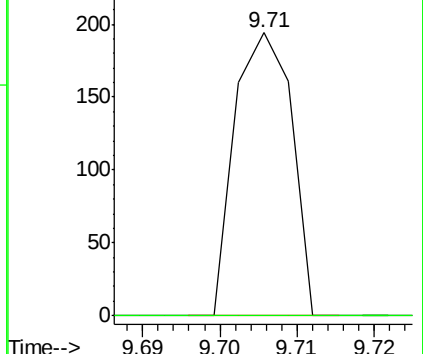
63 100

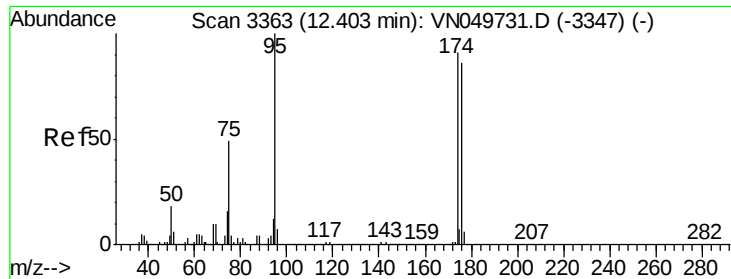
106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 39.80 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

TW-2

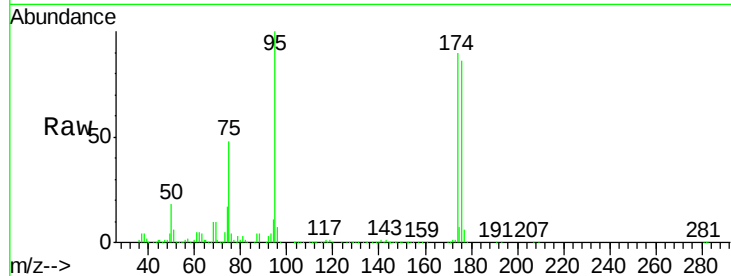
Tot Ion: 95 Resp: 1021174

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

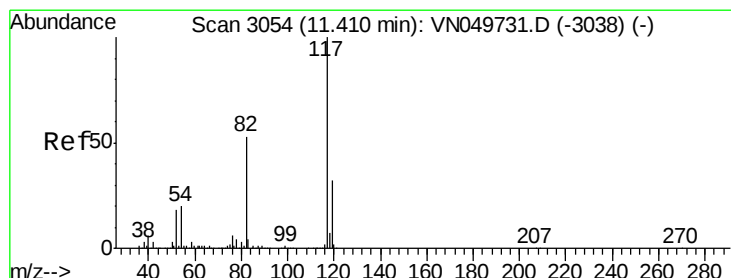
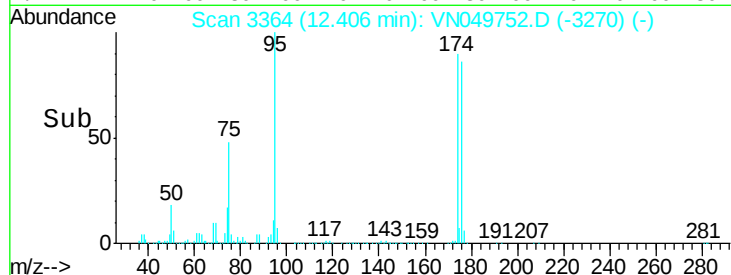
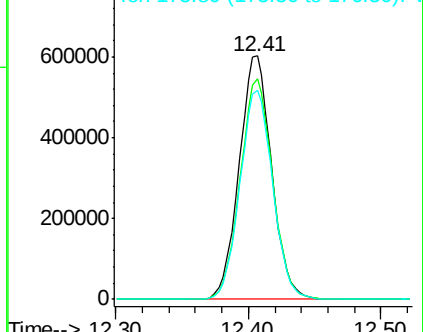
176 86.6 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049731.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049731.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049731.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

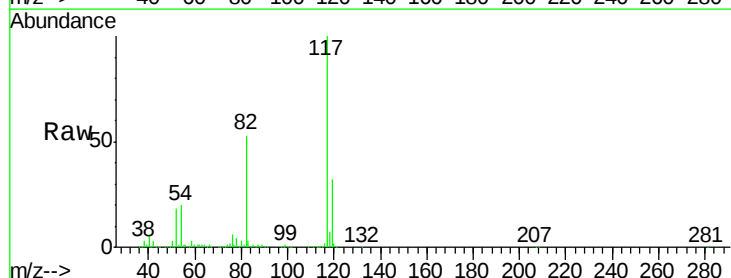
Tgt Ion: 117 Resp: 2154050

Ion Ratio Lower Upper

117 100

82 53.4 41.9 62.9

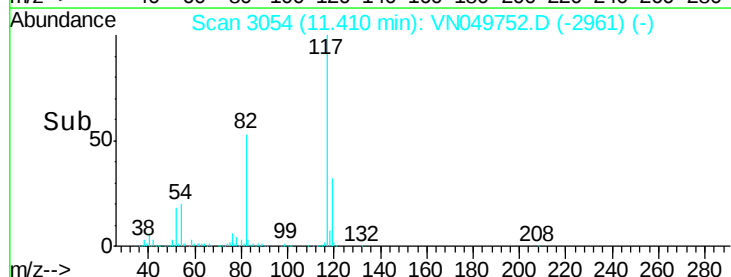
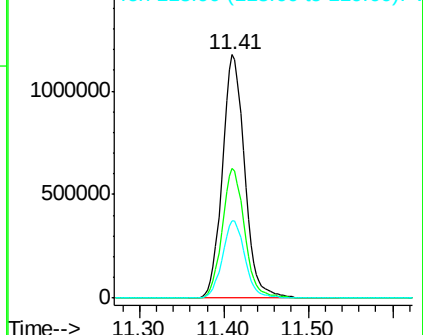
119 31.7 25.4 38.2

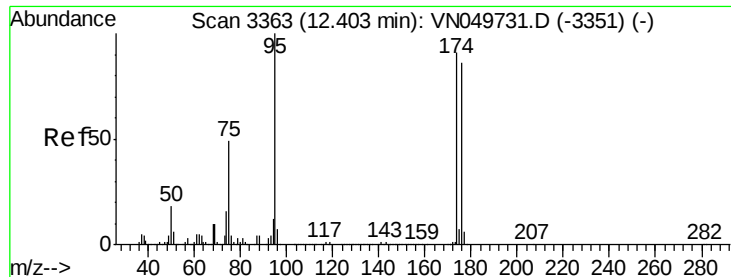


Abundance Ion 116.90 (116.60 to 117.60): VN049731.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049731.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049731.D (-3038) (-)





#71

Bromoform

Concen: 0.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

TW-2

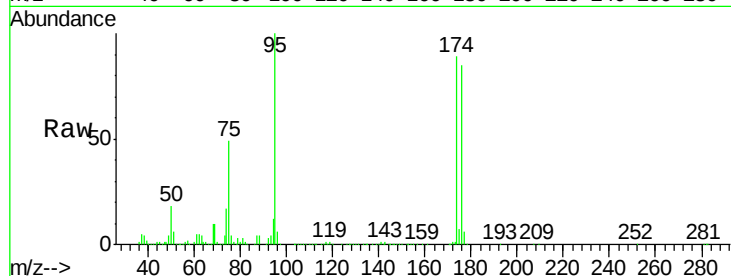
Tot Ion:173 Resp: 7025

Ion Ratio Lower Upper

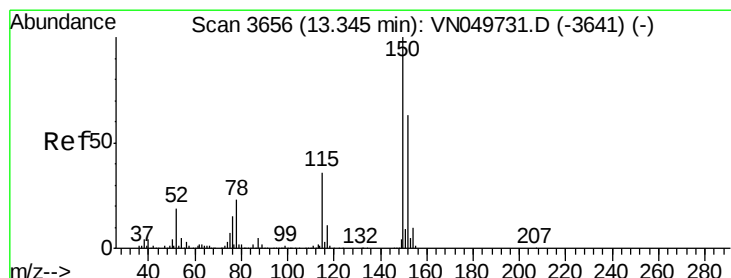
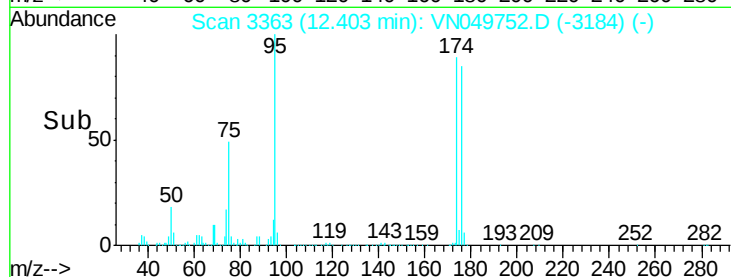
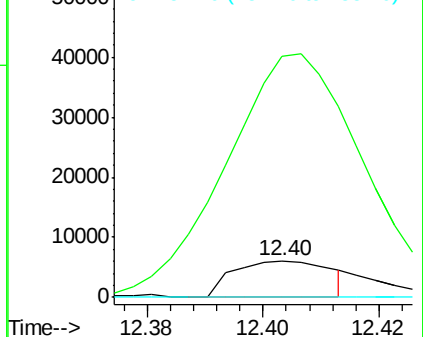
173 100

175 756.2 24.6 73.8#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

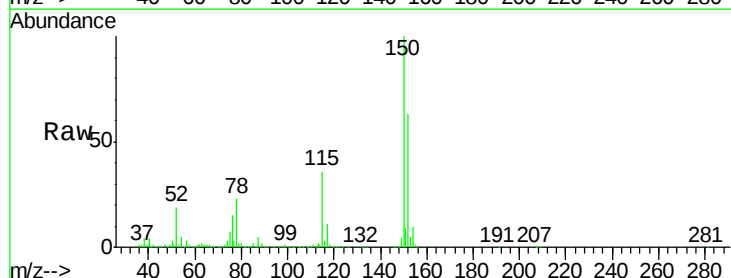
Tgt Ion:152 Resp: 811157

Ion Ratio Lower Upper

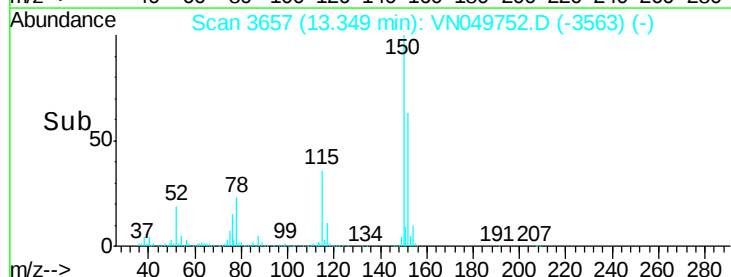
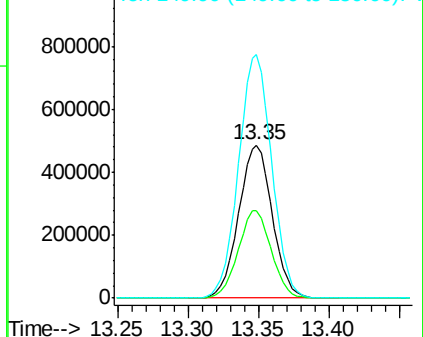
152 100

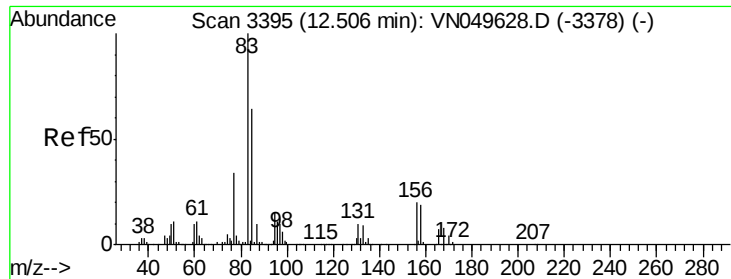
115 56.4 28.1 84.2

150 157.6 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: 12.47 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

TW-2

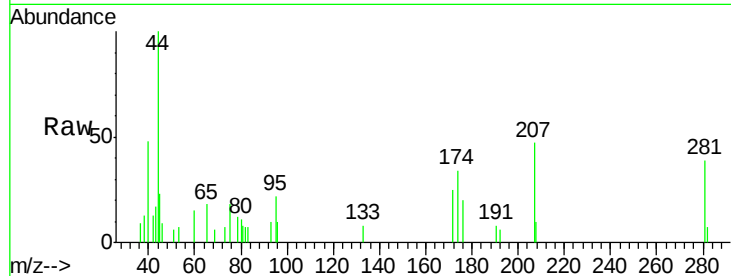
Tot Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#



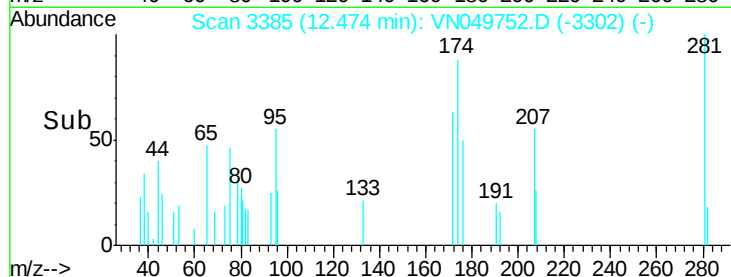
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

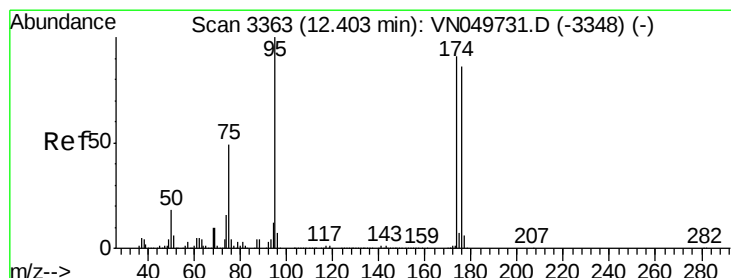
Ion 84.90 (84.60 to 85.60): VN0

12.47

12.48



Time-->



#76

1,2,3-Trichloropropane

Concen: 38.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049752.D

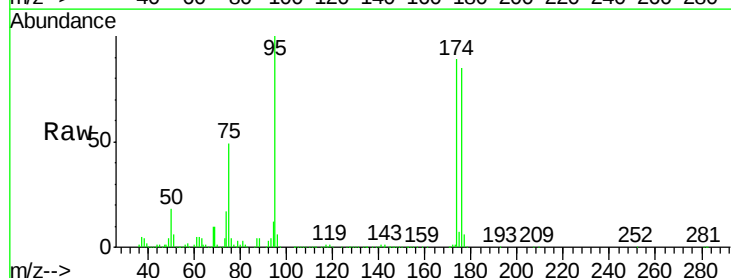
Acq: 6 Jul 2018 20:57

Tgt Ion: 75 Resp: 500736

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

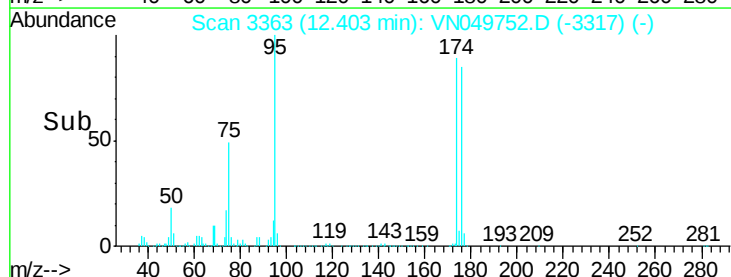


Abundance Ion 74.90 (74.60 to 75.60): VN0

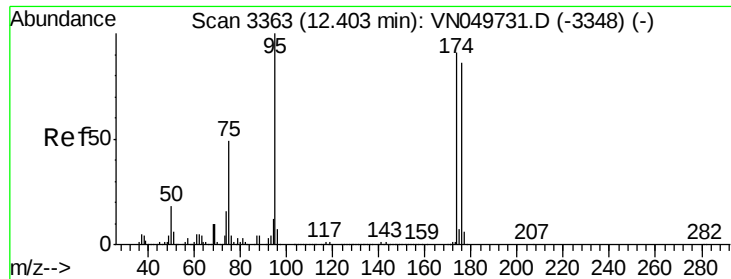
Ion 77.00 (76.70 to 77.70): VN0

12.40

12.50



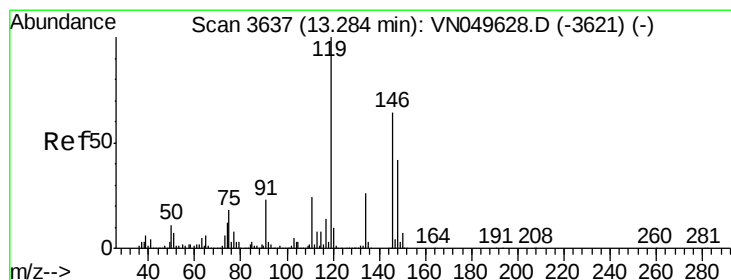
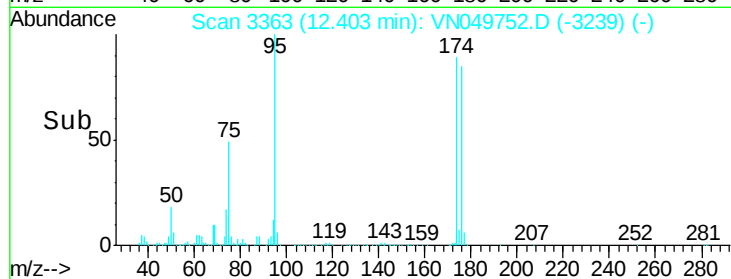
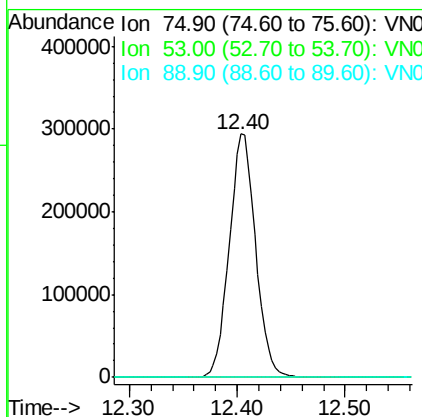
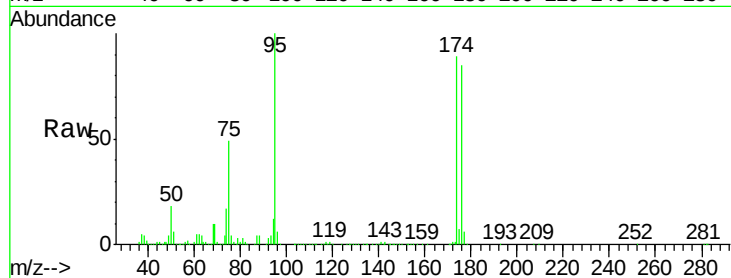
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 130.73 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

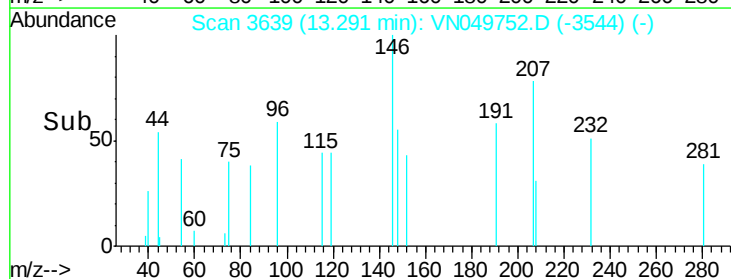
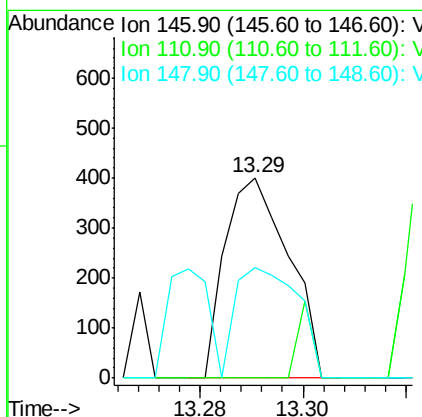
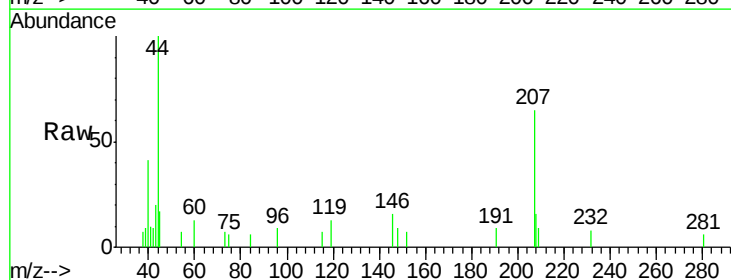
Instrument :
MSVOA_N
ClientSampleId :
TW-2

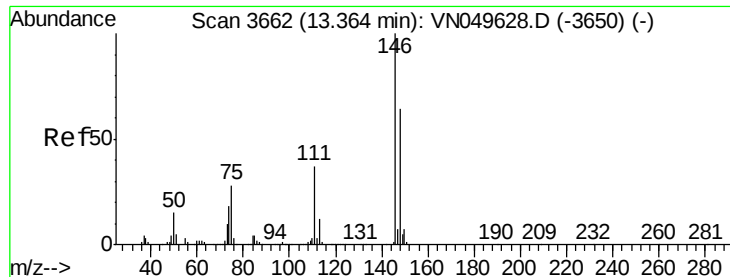
Tot Ion: 75 Resp: 500736
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.0 35.9 53.9#



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 13.29 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VN049752.D
Acq: 6 Jul 2018 20:57

Tgt Ion: 146 Resp: 342
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 54.4 32.5 97.5

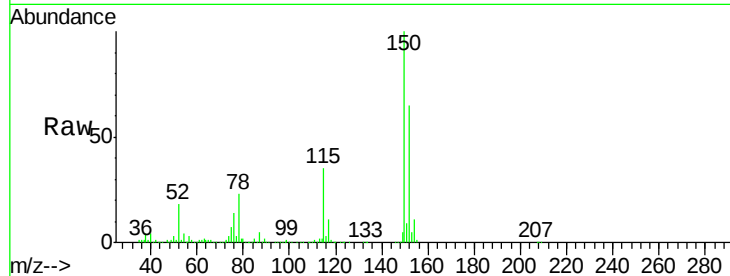




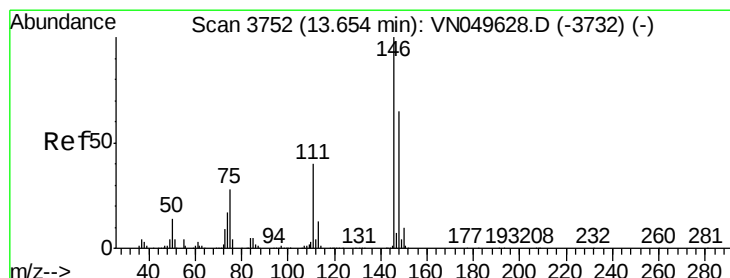
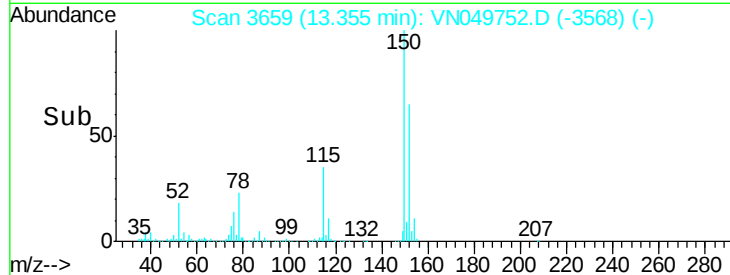
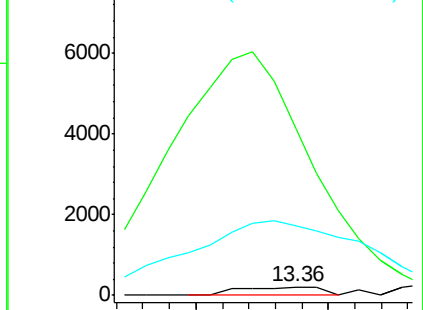
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3659
 Delta R.T. -0.01 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 TW-2

Tot Ion:146 Resp: 180
 Ion Ratio Lower Upper
 146 100
 111 5276.7 18.9 56.5#
 148 2022.2 32.1 96.3#

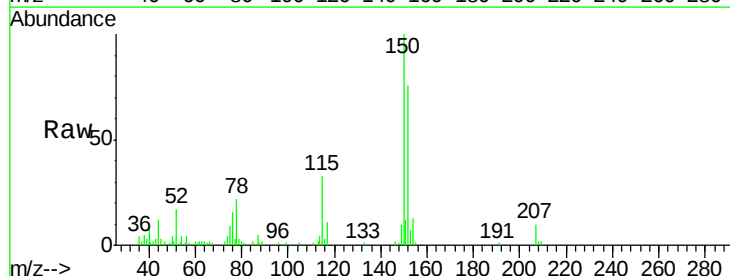


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

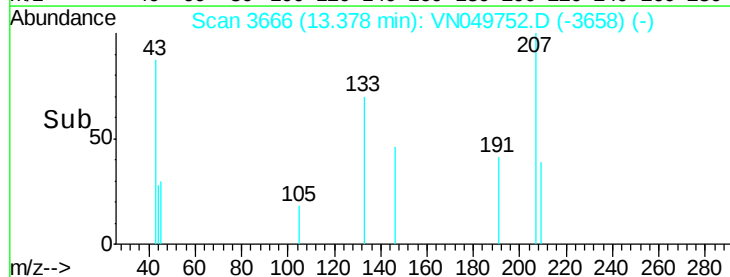
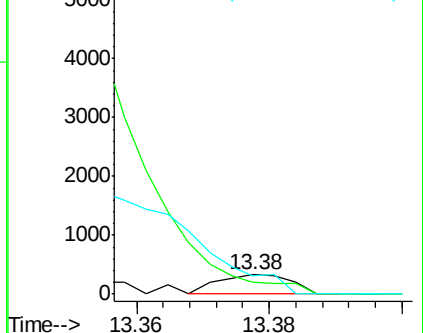


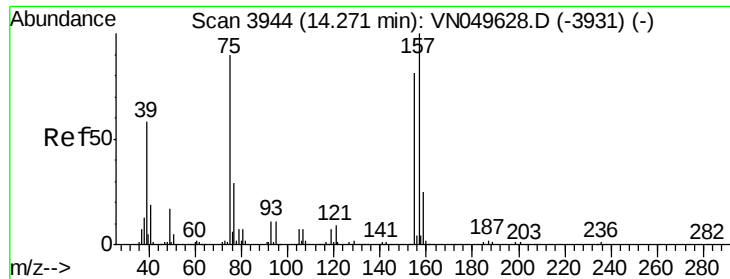
#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.38 min Scan# 3666
 Delta R.T. -0.28 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Tgt Ion:146 Resp: 256
 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: 14.28 min Scan# 3948

Delta R.T. 0.01 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

Instrument :

MSVOA_N

ClientSampled :

TW-2

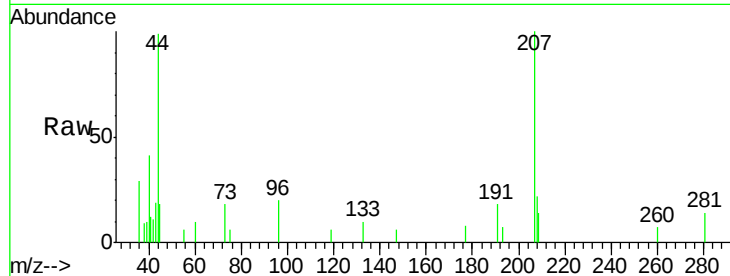
Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

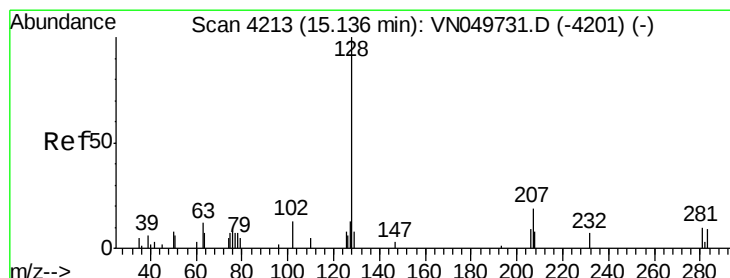
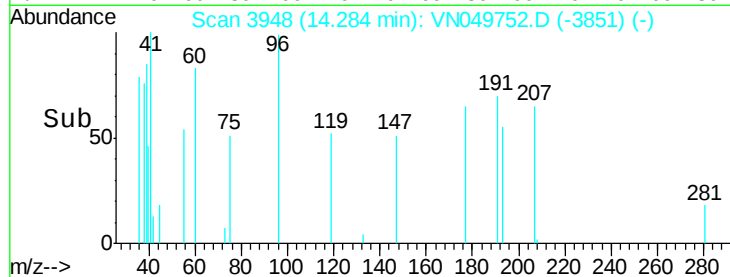
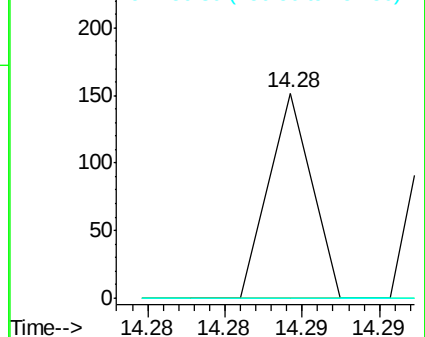
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049752.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049752.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049752.D (-3851) (-)



#95

Naphthalene

Concen: 4.07 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049752.D

Acq: 6 Jul 2018 20:57

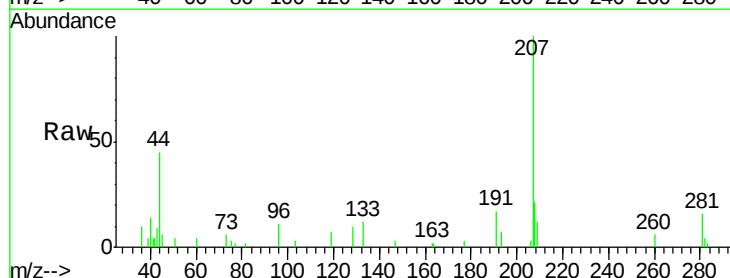
Tgt Ion: 128 Resp: 1252

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

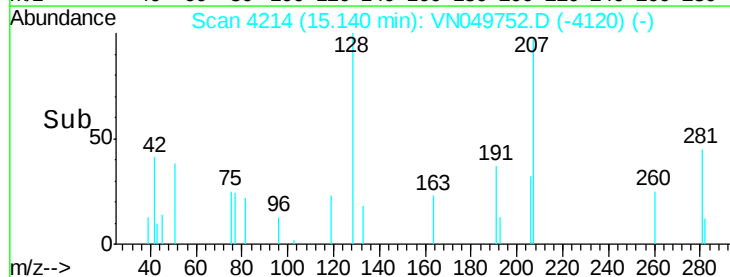
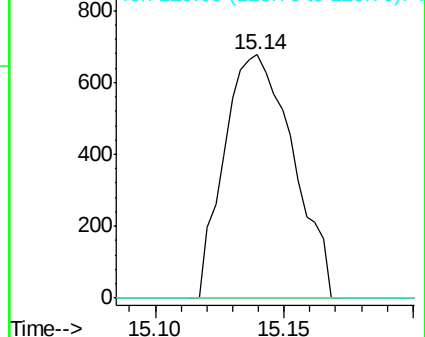
129 0.0 8.6 13.0#

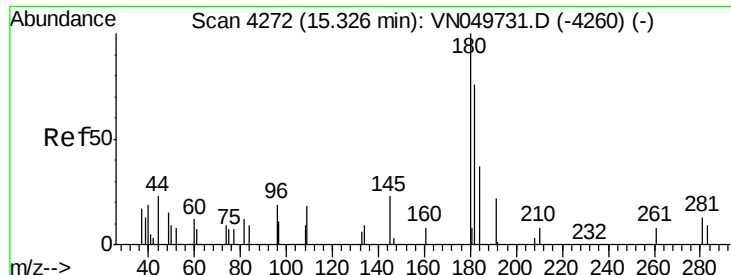


Abundance Ion 128.00 (127.70 to 128.70): VN049752.D (-4120) (-)

Ion 127.00 (126.70 to 127.70): VN049752.D (-4120) (-)

Ion 129.00 (128.70 to 129.70): VN049752.D (-4120) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 1.65 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049752.D
 Acq: 6 Jul 2018 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-2

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	15.2	45.6#

