

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049650.D
 Acq On : 30 Jun 2018 16:35
 Operator : MD\SY
 Sample : J3807-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:23:41 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	1392129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2199775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1856671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	681224	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	904708	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	799732	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.09	98	2994252	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	855354	38.92	ug/l	0.00
Spiked Amount			Recovery	=	77.84%	

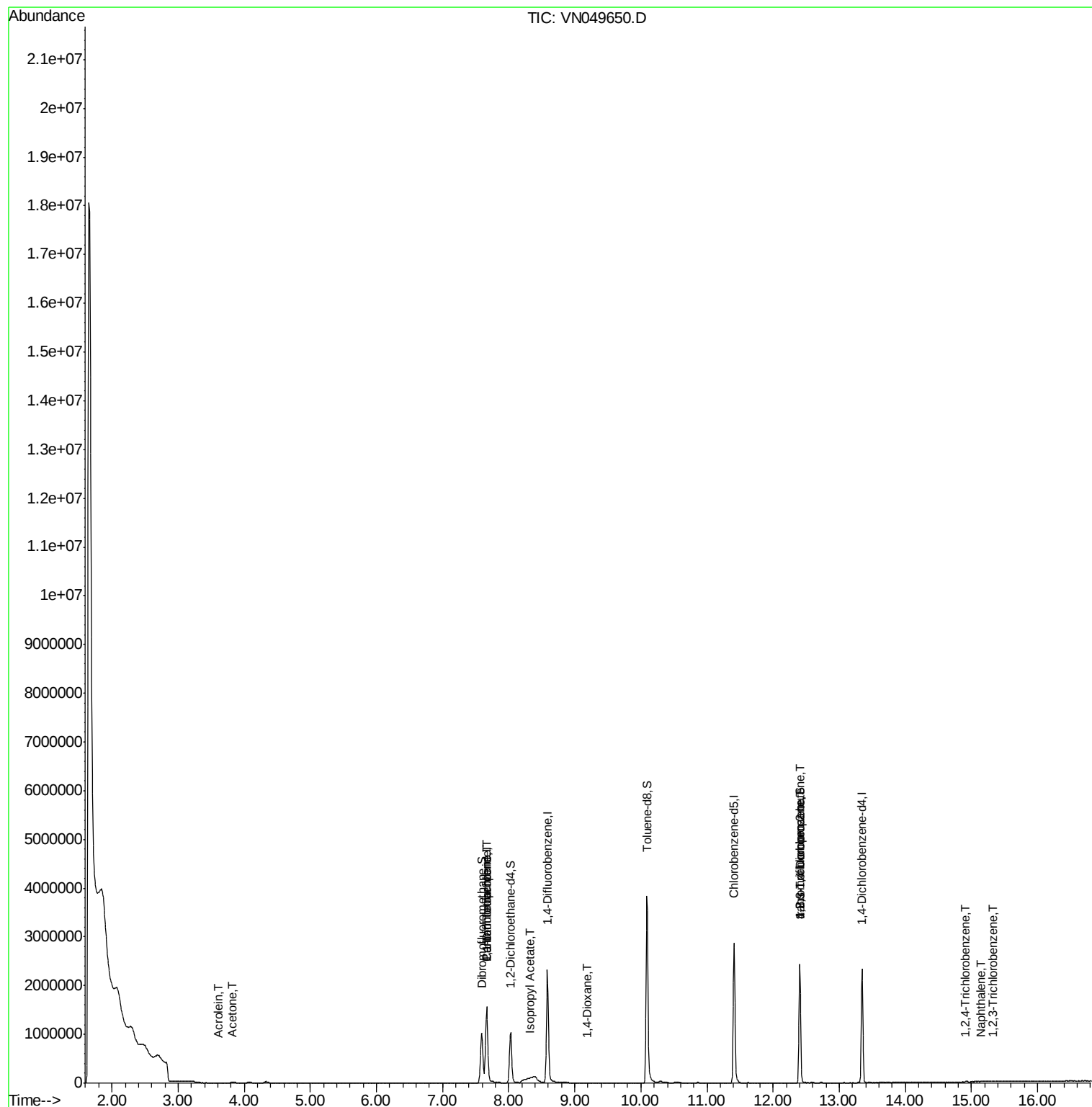
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	1081	1.10	ug/l	# 62
16) Acetone	3.82	43	35611	1.71	ug/l	# 87
17) Carbon Disulfide	4.04	76	4757	Below	Cal	# 95
18) Methyl Acetate	4.33	43	50203	Below	Cal	# 96
36) 1,1-Dichloropropene	7.67	75	94115	3.80	ug/l	# 49
38) Carbon Tetrachloride	7.66	117	123647	5.14	ug/l	# 16
43) Isopropyl Acetate	8.31	43	189013	6.09	ug/l	# 62
49) 1,4-Dioxane	9.20	88	84	0.49	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.52	83	66	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	418506	38.31	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	418506	130.10	ug/l	# 13
87) 1,3-Dichlorobenzene	13.30	146	1613	Below	Cal	# 68
88) 1,4-Dichlorobenzene	13.37	146	1876	Below	Cal	# 16
91) 1,2-Dichlorobenzene	13.65	146	1065	Below	Cal	# 46
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.92	180	989	2.48	ug/l	72
94) Hexachlorobutadiene	15.01	225	179	Below	Cal	# 19
95) Naphthalene	15.14	128	2035	4.11	ug/l	# 82
96) 1,2,3-Trichlorobenzene	15.32	180	812	1.71	ug/l	# 84

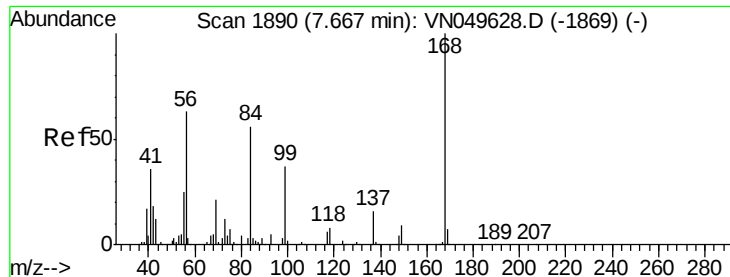
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
Data File : VN049650.D
Acq On : 30 Jun 2018 16:35
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Sample : J3807-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 02 01:23:41 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

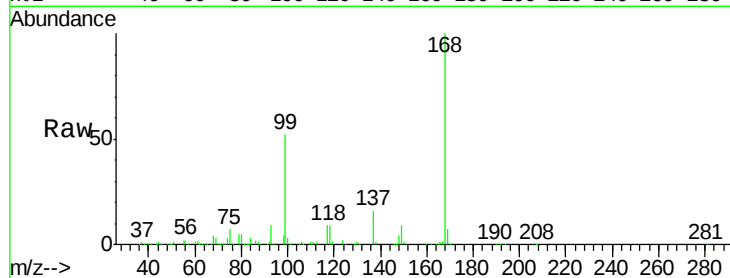
ClientSampled :

Tot Ion:168 Resp: 1392129

Ion Ratio Lower Upper

168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049628.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049628.D (-1869) (-)

7.67

600000

500000

400000

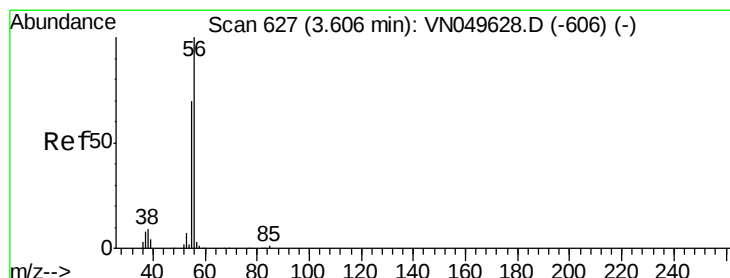
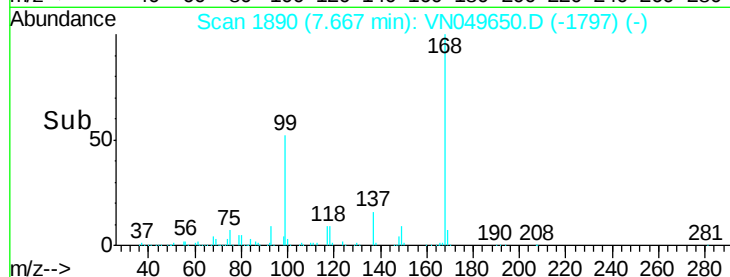
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.10 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049650.D

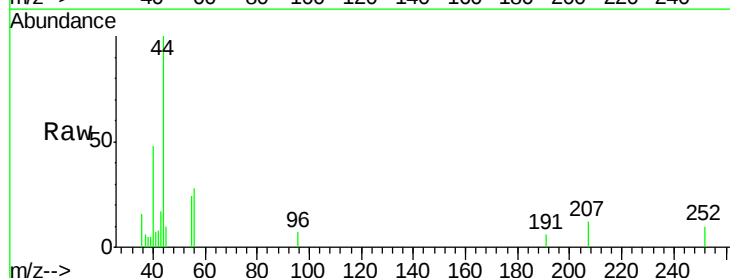
Acq: 30 Jun 2018 16:35

Tgt Ion: 56 Resp: 1081

Ion Ratio Lower Upper

56 100

55 100.6 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)

3.60

1000

800

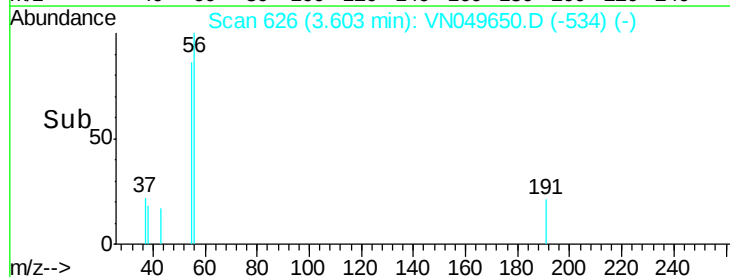
600

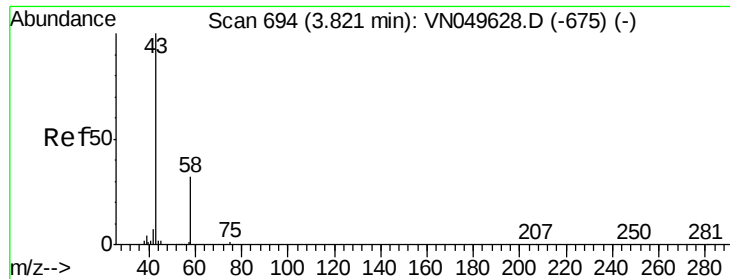
400

200

0

Time-->





#16

Acetone

Concen: 1.71 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

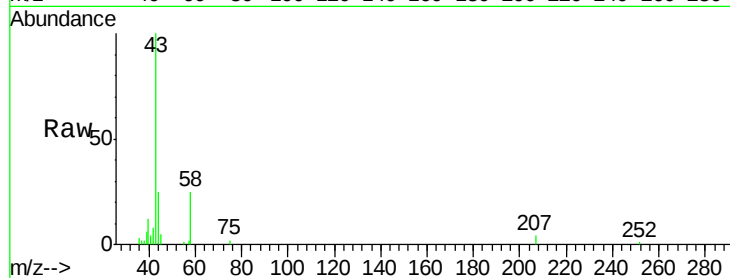
ClientSampleId :

Tot Ion: 43 Resp: 35611

Ion Ratio Lower Upper

43 100

58 25.3 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

3.82

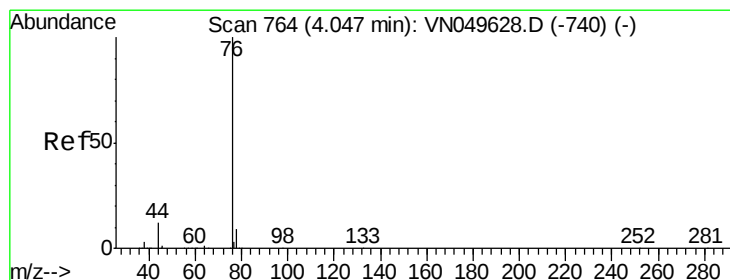
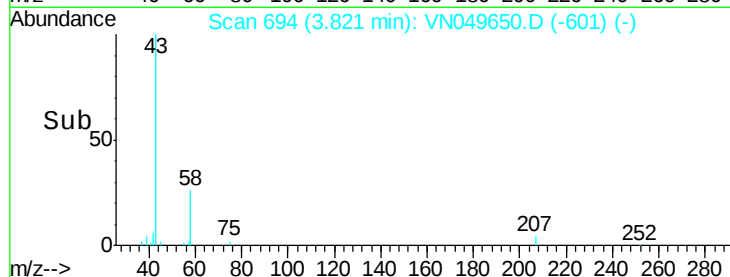
15000

10000

5000

0

Time--> 3.70 3.80 3.90



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 762

Delta R.T. -0.01 min

Lab File: VN049650.D

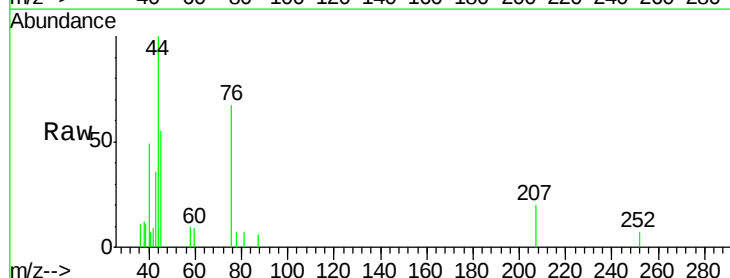
Acq: 30 Jun 2018 16:35

Tgt Ion: 76 Resp: 4757

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.04

2000

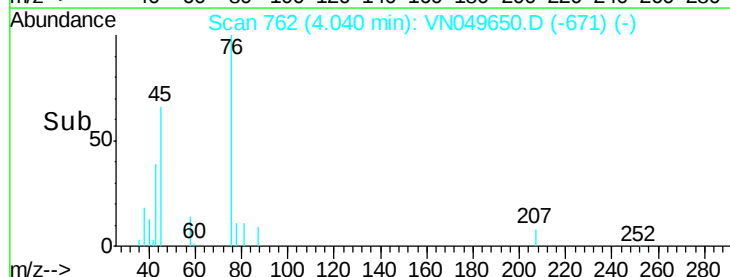
1500

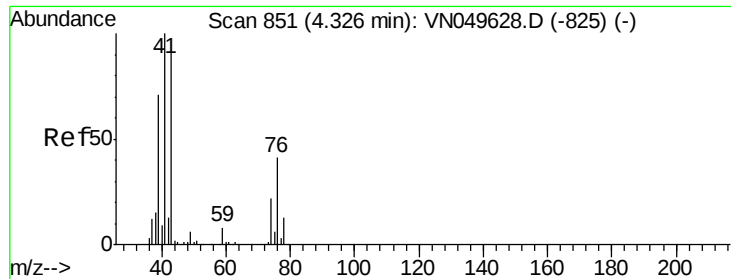
1000

500

0

Time--> 3.95 4.00 4.05 4.10

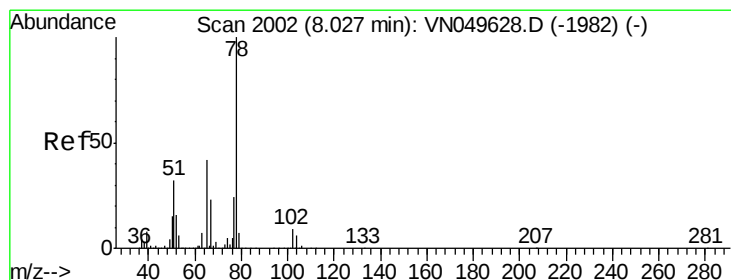
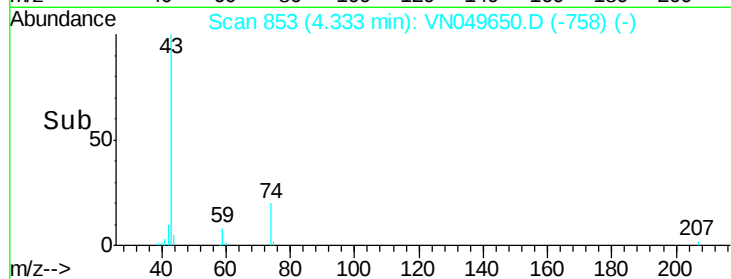
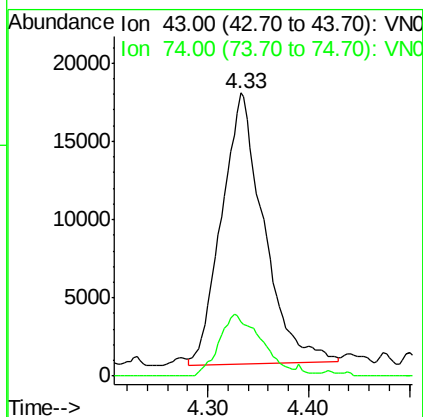
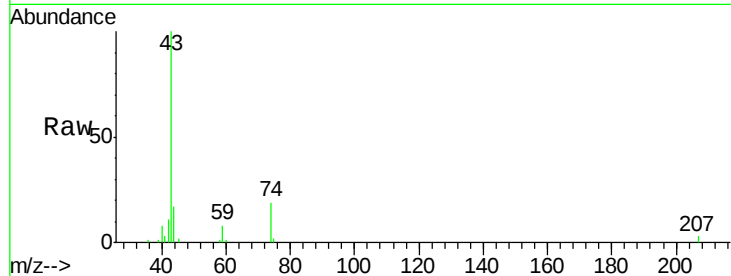




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049650.D
Acq: 30 Jun 2018 16:35

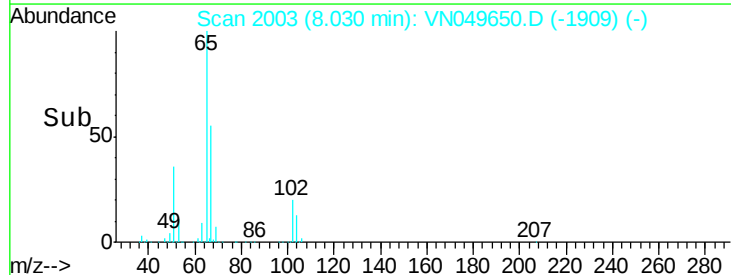
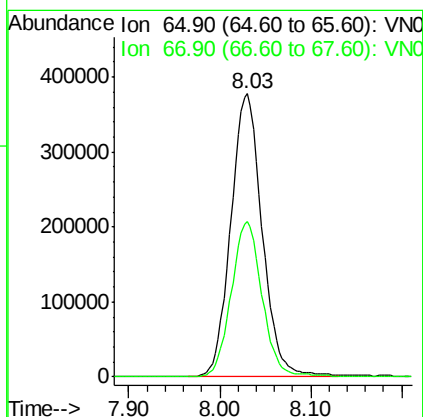
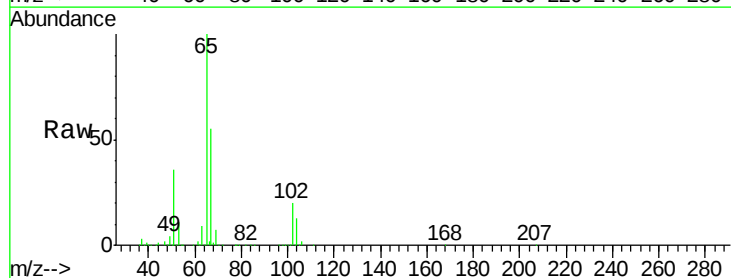
Instrument :
MSVOA_N
ClientSampled :

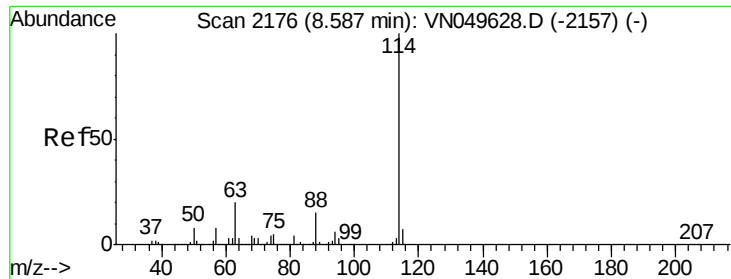
Tot Ion: 43 Resp: 50203
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.8



#33
1,2-Dichloroethane-d4
Concen: 49.21 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049650.D
Acq: 30 Jun 2018 16:35

Tgt Ion: 65 Resp: 904708
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2

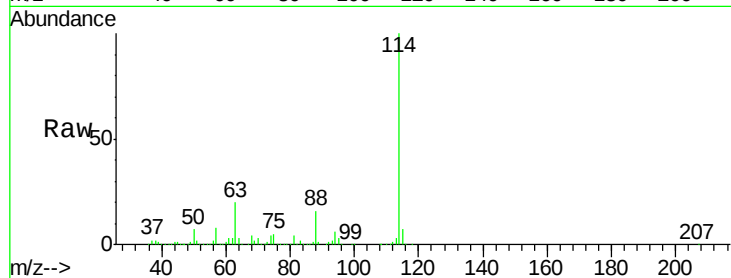




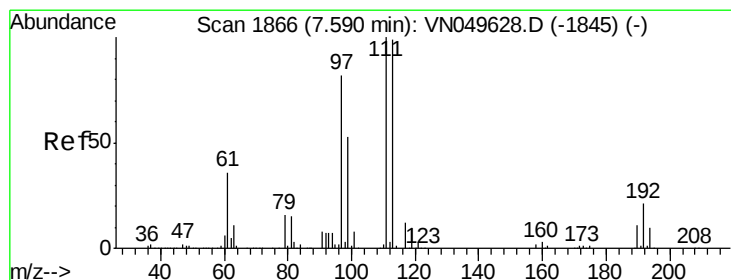
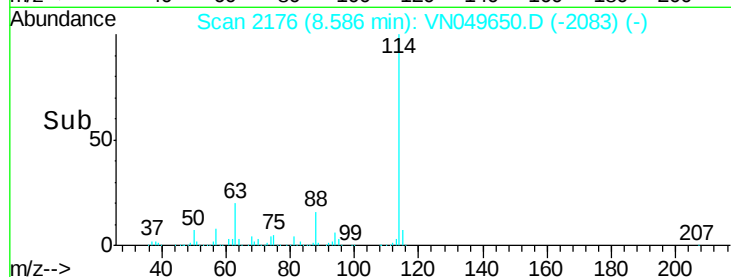
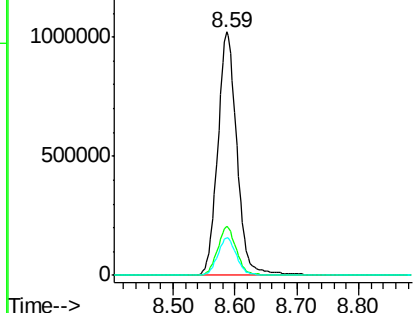
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2199775
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.5 0.0 30.6

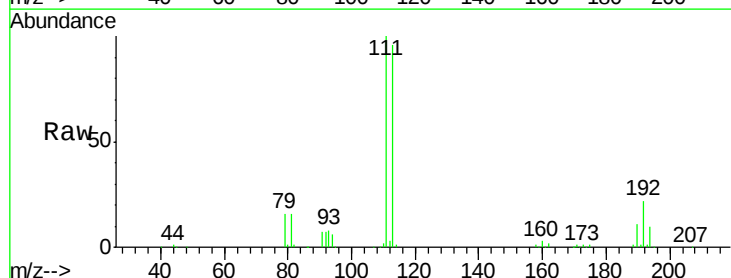


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

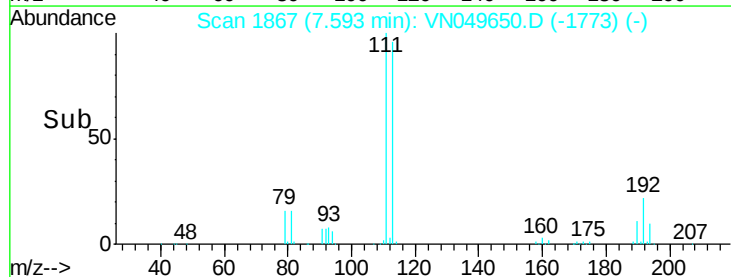
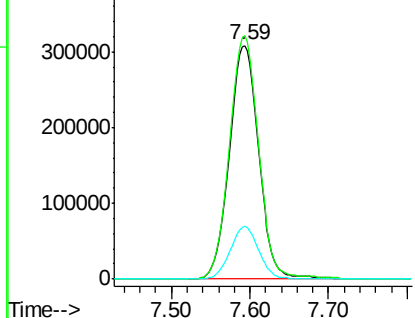


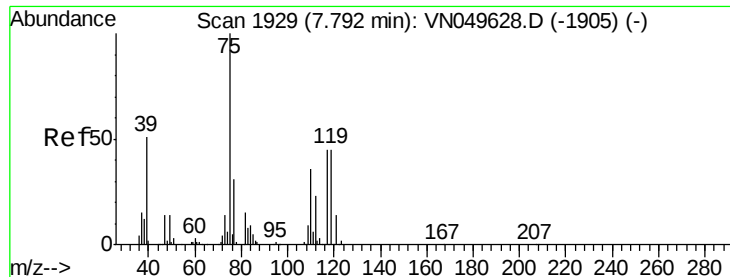
#35
 Dibromofluoromethane
 Concen: 48.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Tgt Ion:113 Resp: 799732
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 22.1 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: 3.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

ClientSampled :

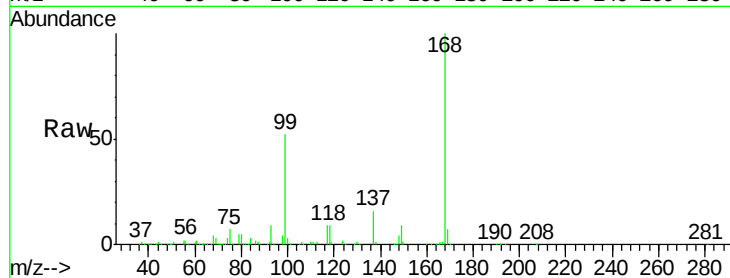
Tot Ion: 75 Resp: 94115

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

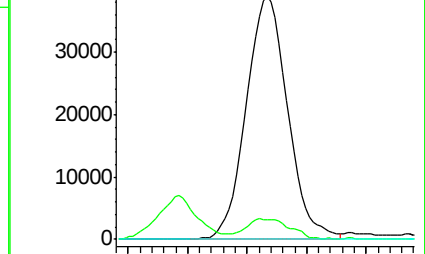
77 0.0 24.9 37.3#



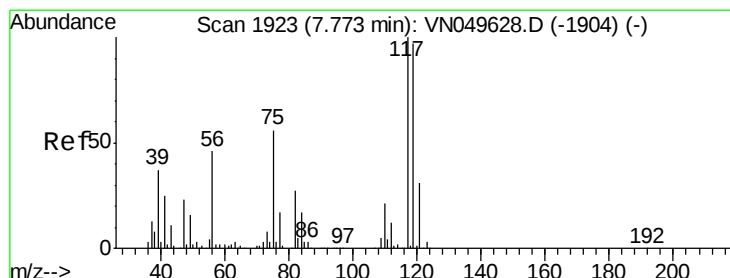
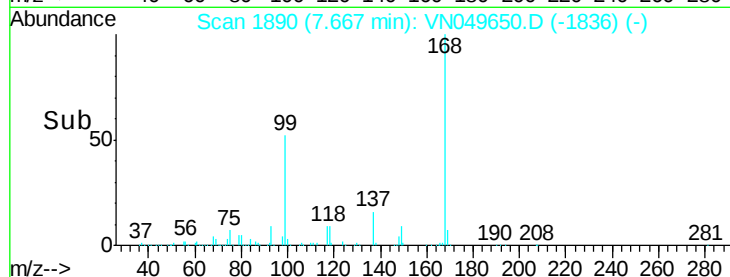
Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049628.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049628.D (-1905) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

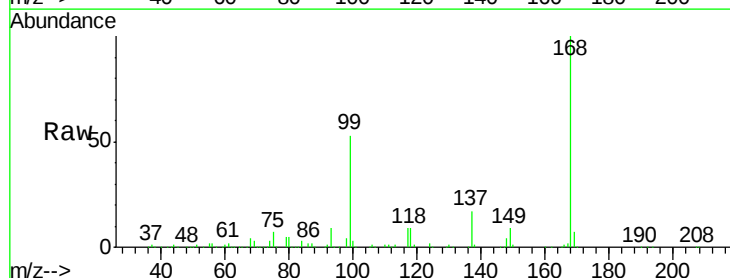
Tgt Ion: 117 Resp: 123647

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

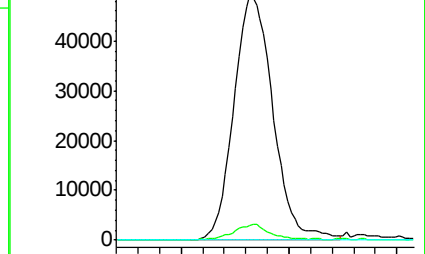
121 0.0 25.0 37.6#



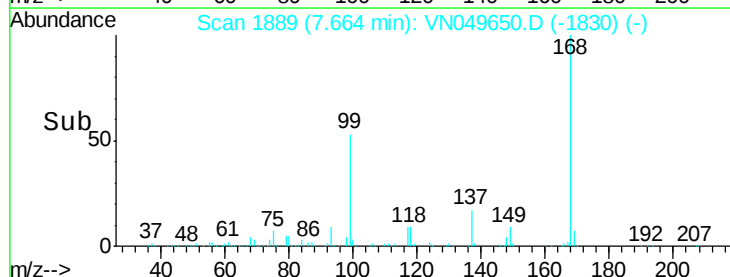
Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-1904) (-)

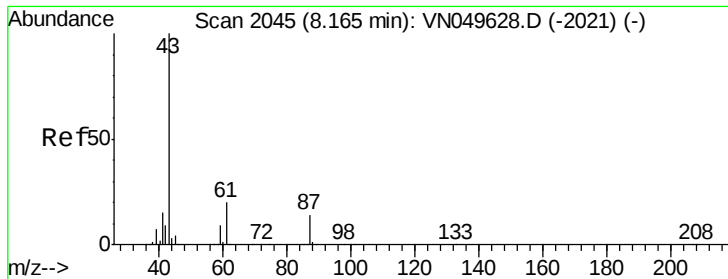
Ion 118.80 (118.50 to 119.50): VN049628.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049628.D (-1904) (-)



Time-->



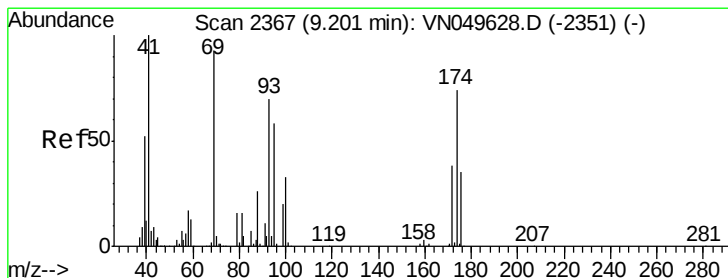
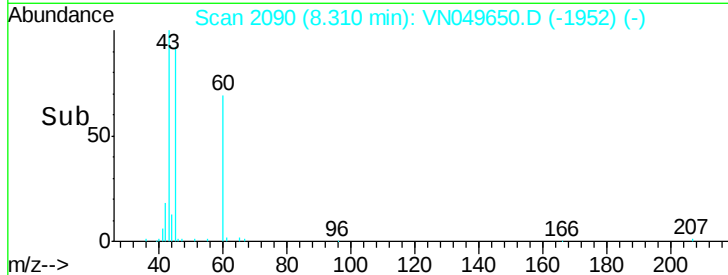
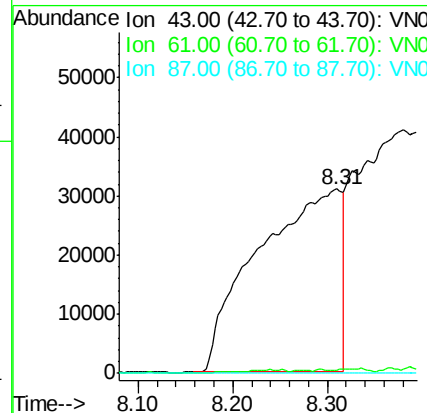
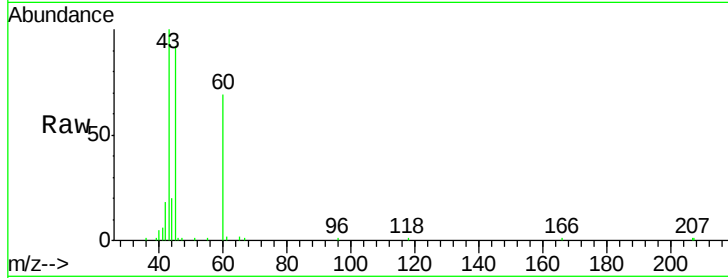


#43

Isopropyl Acetate
 Concen: 6.09 ug/l
 RT: 8.31 min Scan# 2090
 Delta R.T. 0.14 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Instrument :
 MSVOA_N
 ClientSampled :

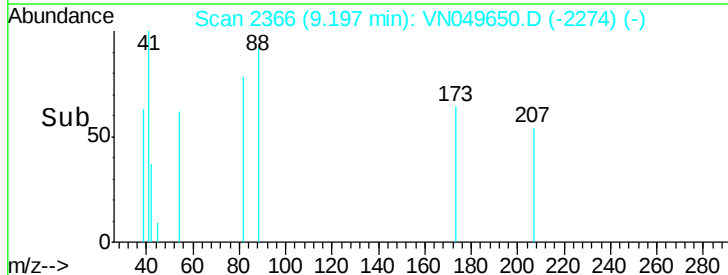
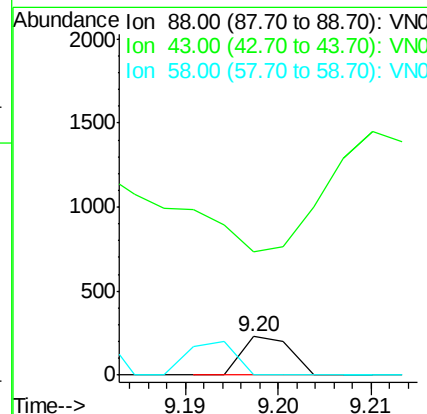
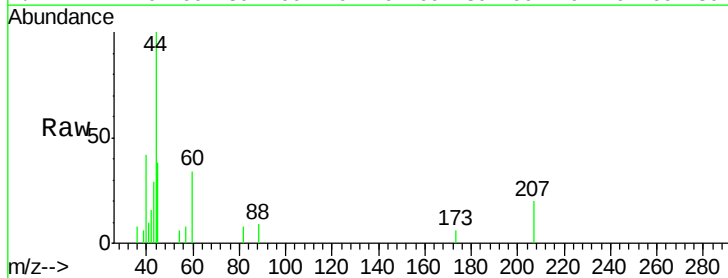
Tot Ion: 43 Resp: 189013
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.9 22.3#
 87 0.0 10.0 15.0#

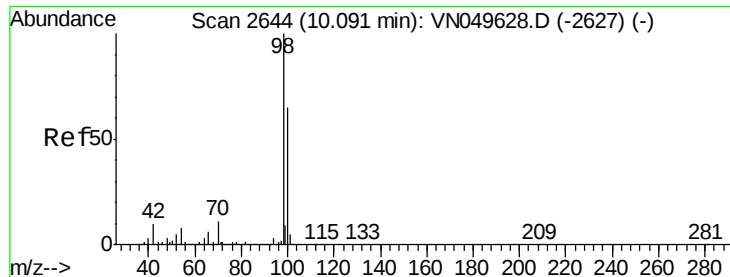


#49

1,4-Dioxane
 Concen: 0.49 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Tgt Ion: 88 Resp: 84
 Ion Ratio Lower Upper
 88 100
 43 627.4 25.1 37.7#
 58 85.7 52.5 78.7#





#50

Toluene-d8

Concen: 46.52 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

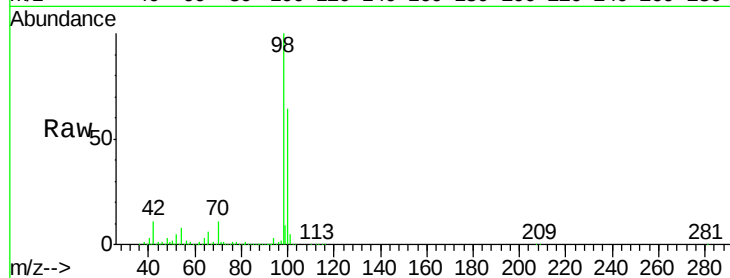
ClientSampleId :

Tot Ion: 98 Resp: 2994252

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049628.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN049628.D (-2627) (-)

10.09

1500000

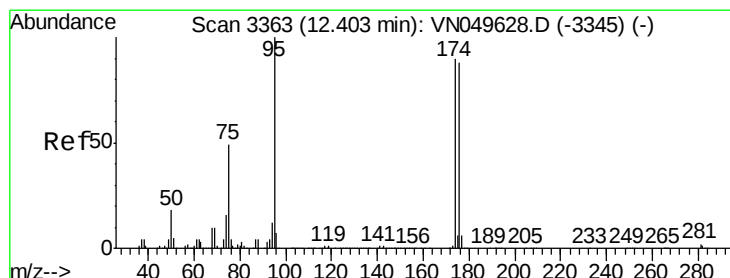
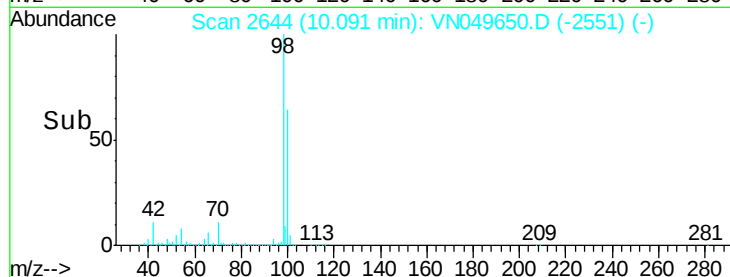
1000000

500000

0

Time-->

10.00 10.20



#62

4-Bromofluorobenzene

Concen: 38.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

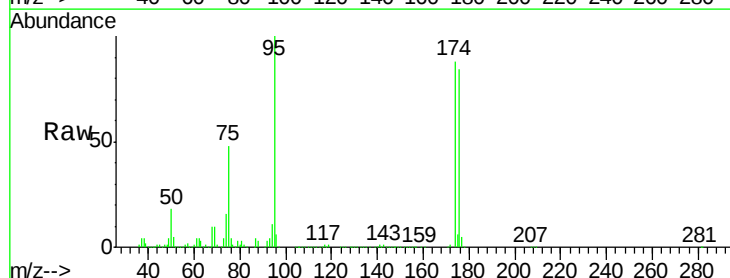
Tgt Ion: 95 Resp: 855354

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.6

176 86.8 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)

12.40

600000

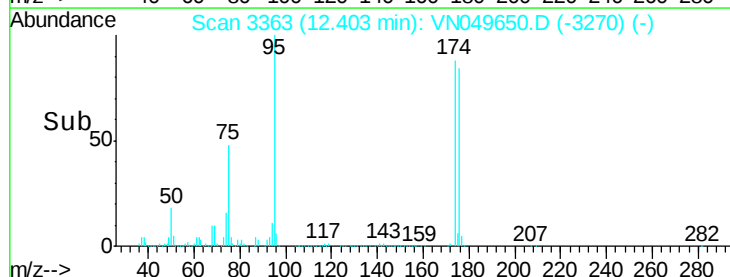
400000

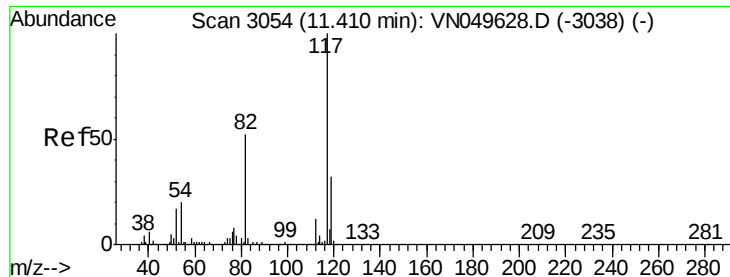
200000

0

Time-->

12.30 12.40 12.50

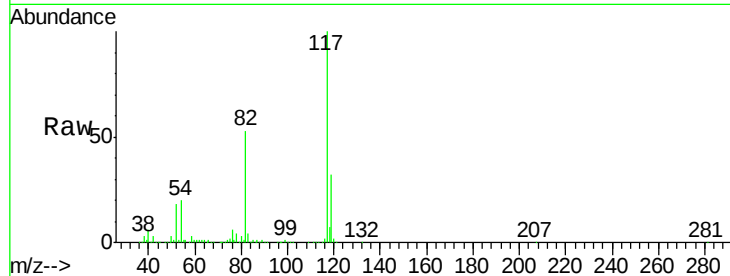




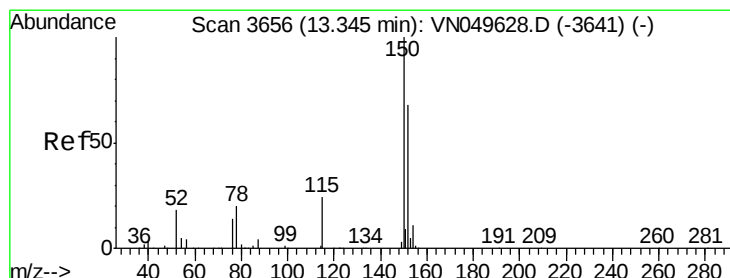
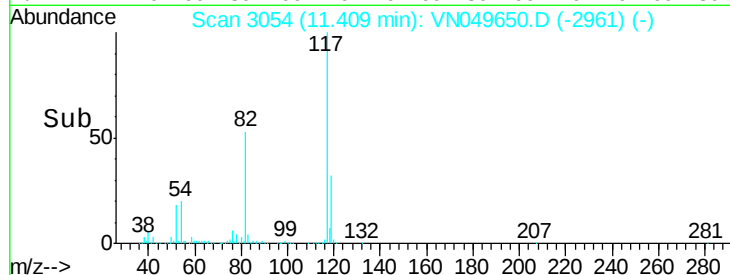
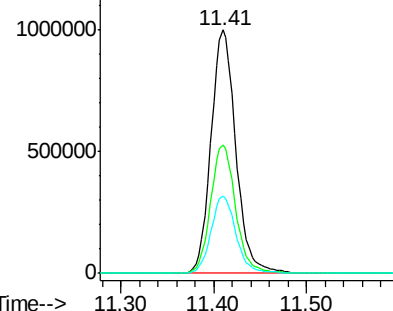
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049650.D
Acq: 30 Jun 2018 16:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1856671
Ion Ratio Lower Upper
117 100
82 52.8 41.9 62.9
119 31.9 25.4 38.2

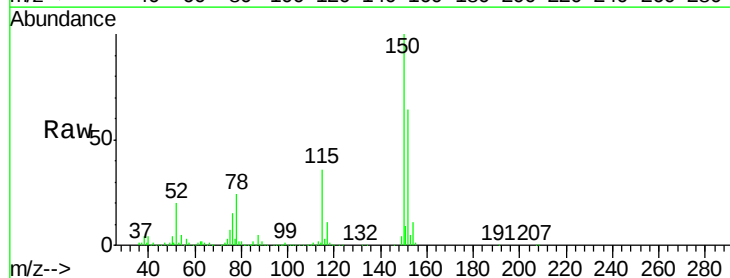


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

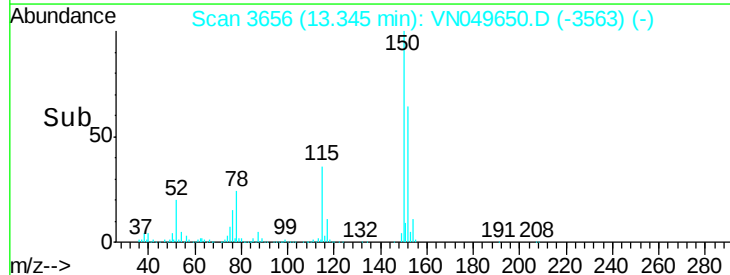
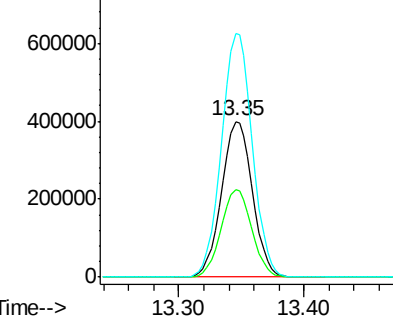


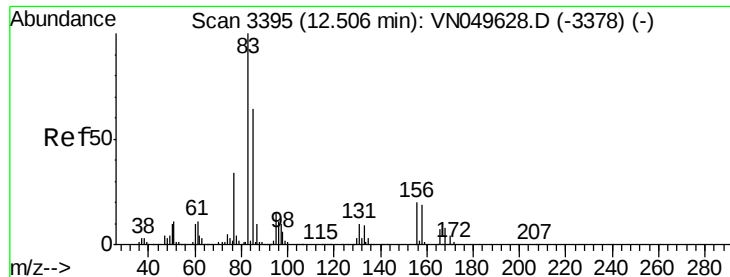
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049650.D
Acq: 30 Jun 2018 16:35

Tgt Ion:152 Resp: 681224
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.2
150 156.1 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: 12.52 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

ClientSampled :

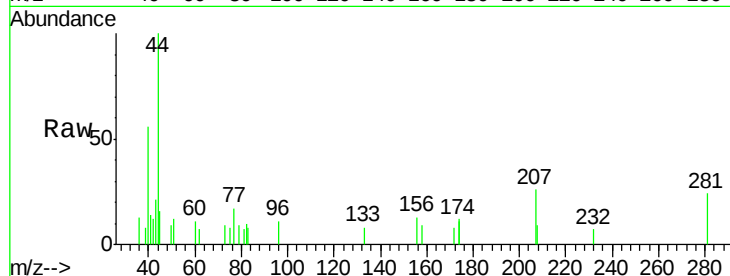
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

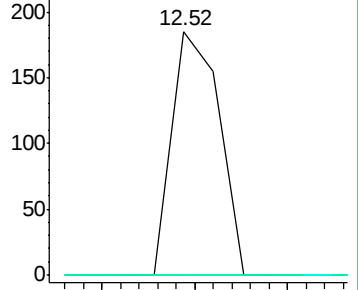
85 0.0 32.5 97.4#



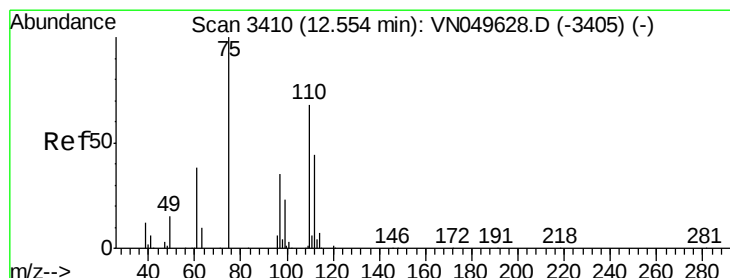
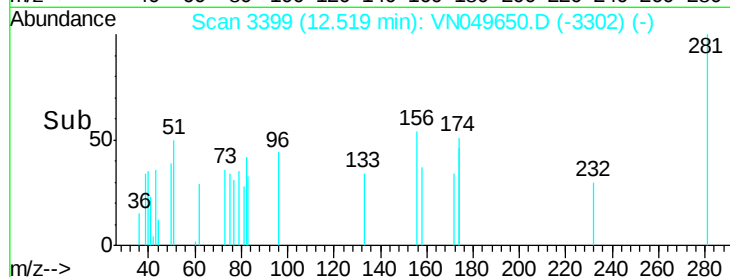
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 38.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049650.D

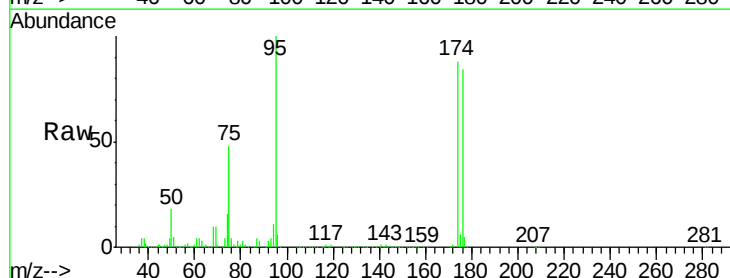
Acq: 30 Jun 2018 16:35

Tgt Ion: 75 Resp: 418506

Ion Ratio Lower Upper

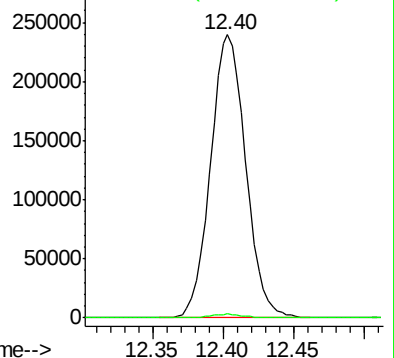
75 100

77 1.3 0.0 0.0#

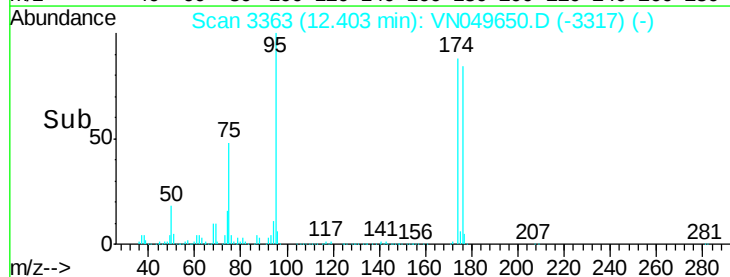


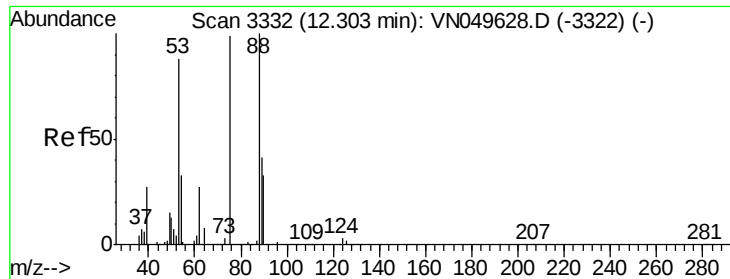
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 130.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

ClientSampleId :

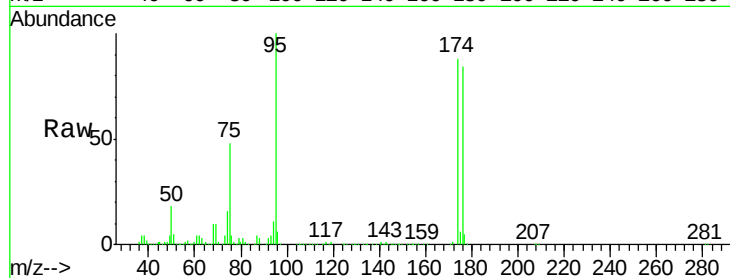
Tot Ion: 75 Resp: 418506

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

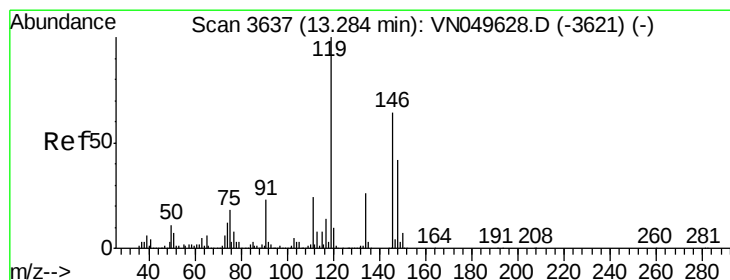
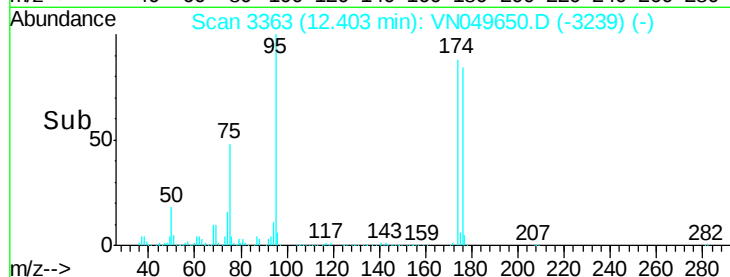
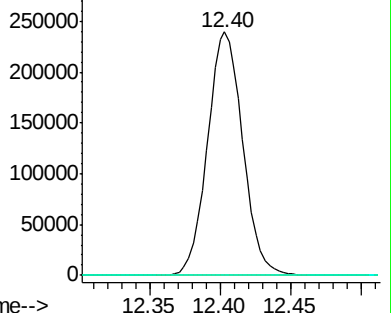
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049650.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049650.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049650.D (-3363) (-)



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.30 min Scan# 3641

Delta R.T. 0.01 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

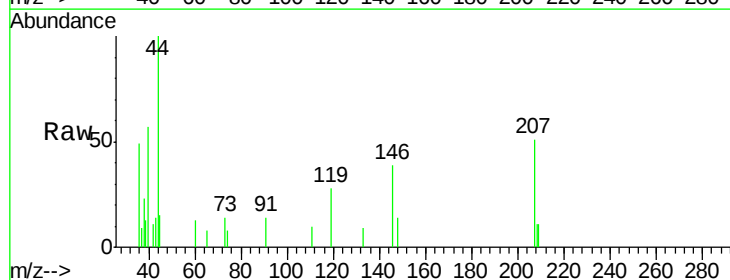
Tgt Ion: 146 Resp: 1613

Ion Ratio Lower Upper

146 100

111 18.5 19.0 57.0#

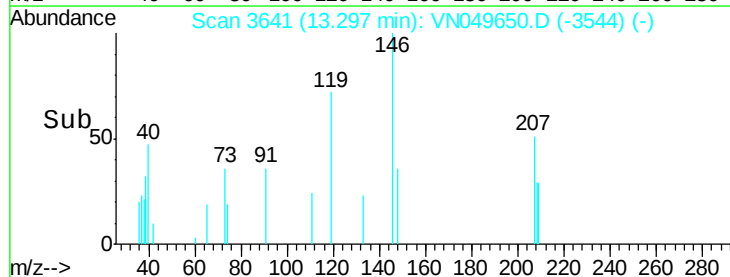
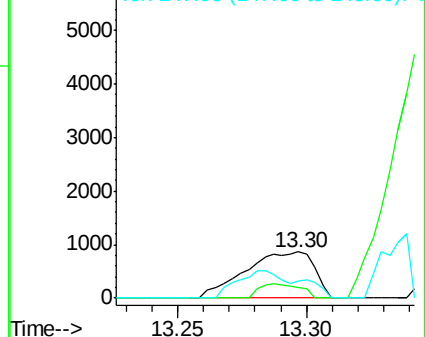
148 39.3 32.5 97.5

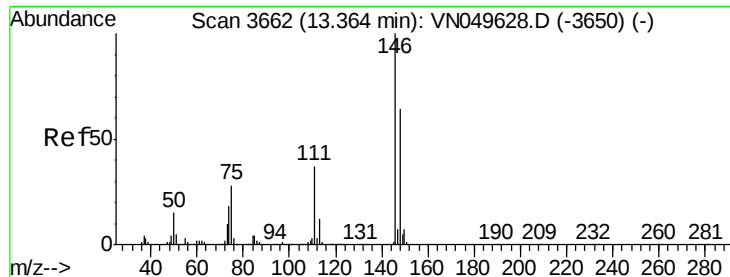


Abundance Ion 145.90 (145.60 to 146.60): VN049650.D (-3641) (-)

Ion 110.90 (110.60 to 111.60): VN049650.D (-3641) (-)

Ion 147.90 (147.60 to 148.60): VN049650.D (-3641) (-)





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

ClientSampleId :

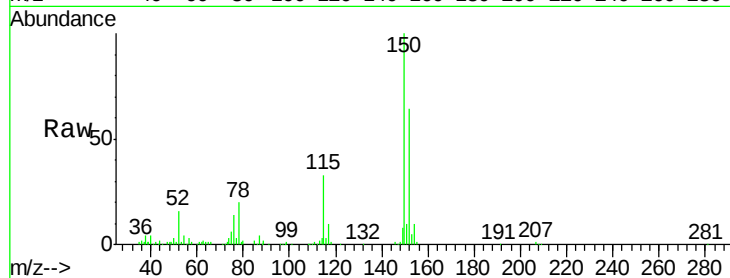
Tot Ion:146 Resp: 1876

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.5#

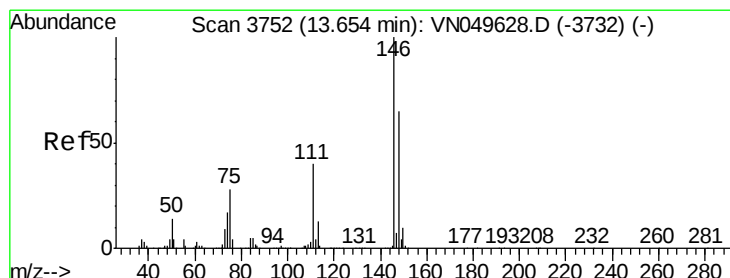
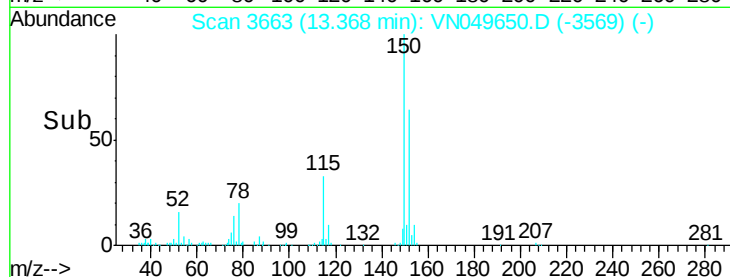
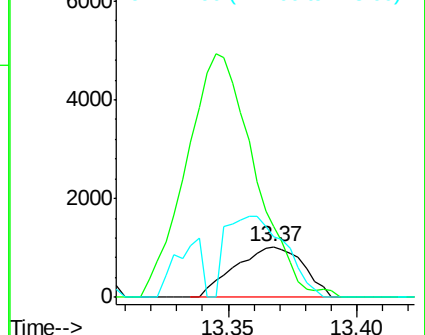
148 140.4 32.1 96.3#



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# 3752

Delta R.T. 0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

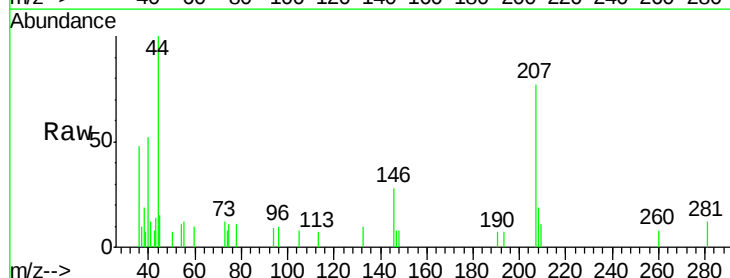
Tgt Ion:146 Resp: 1065

Ion Ratio Lower Upper

146 100

111 11.9 19.7 59.1#

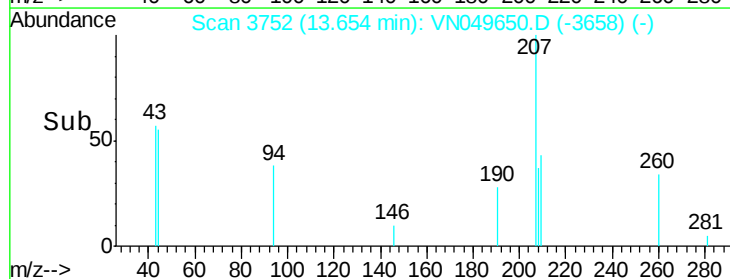
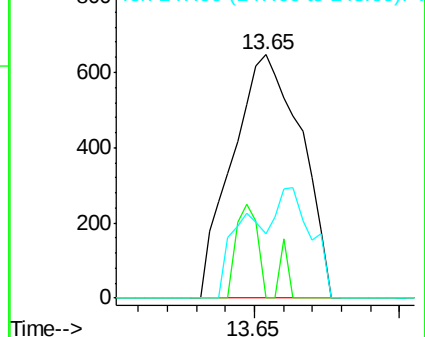
148 17.3 32.0 96.2#

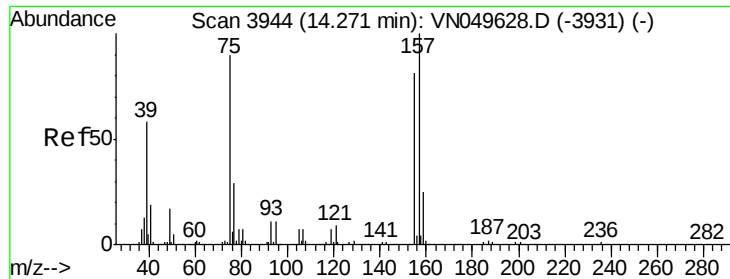


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

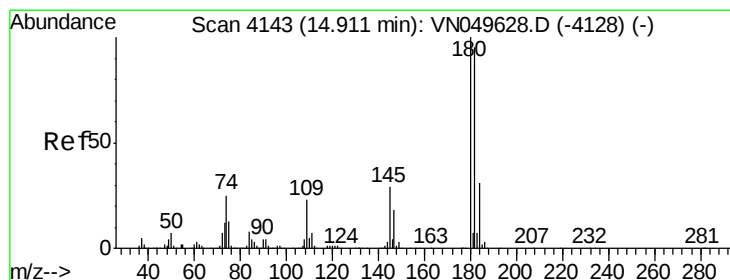
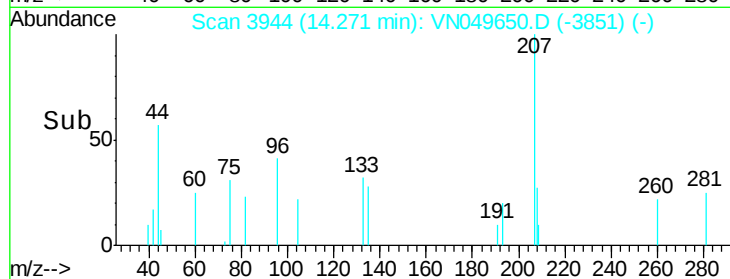
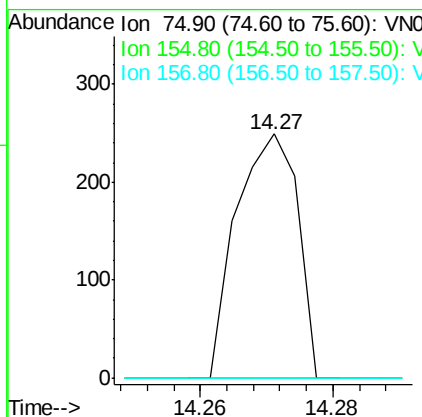
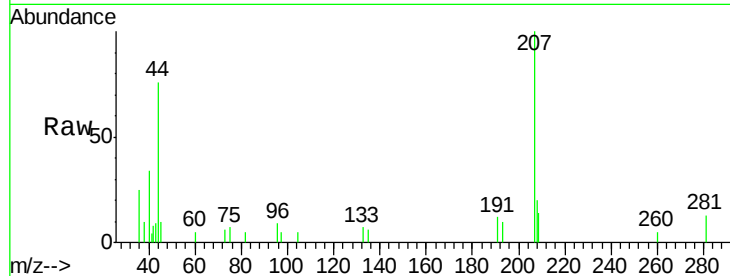




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

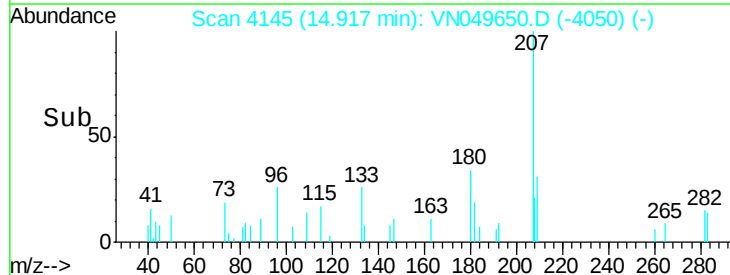
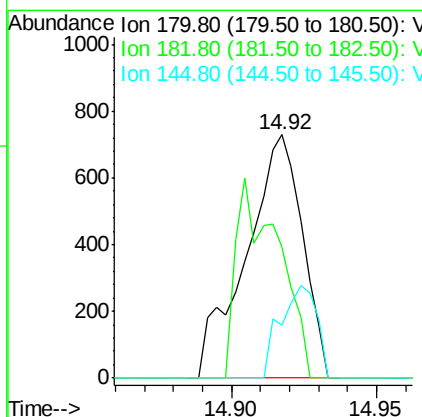
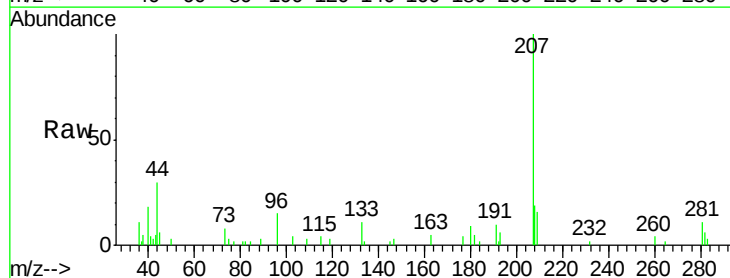
Instrument :
 MSVOA_N
 ClientSampled :

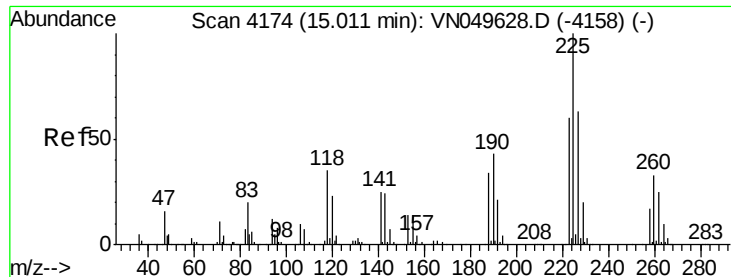
Tot Ion: 75 Resp: 160
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.48 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Tgt Ion: 180 Resp: 989
 Ion Ratio Lower Upper
 180 100
 182 62.1 47.3 141.9
 145 24.7 14.4 43.0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

Instrument :

MSVOA_N

ClientSampled :

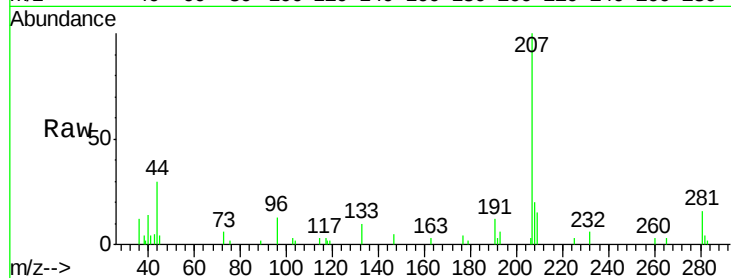
Tot Ion:225 Resp: 179

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

227 0.0 31.8 95.4#

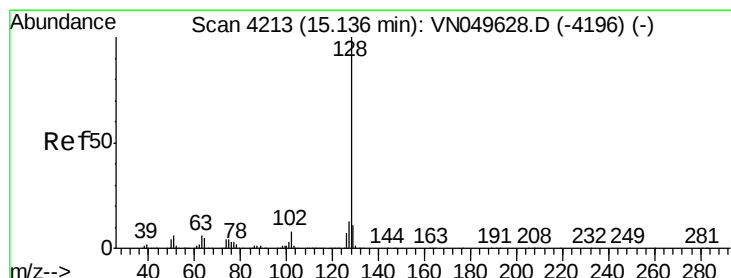
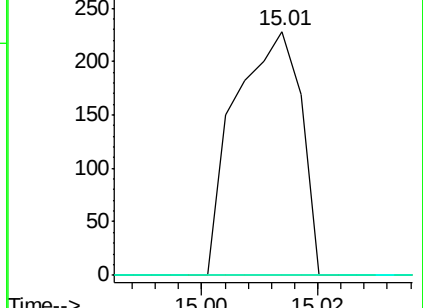
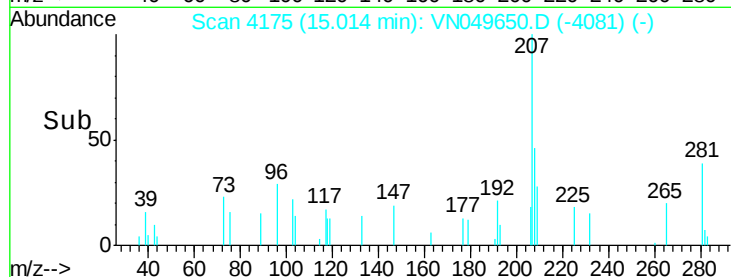


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

Time-->



#95

Naphthalene

Concen: 4.11 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049650.D

Acq: 30 Jun 2018 16:35

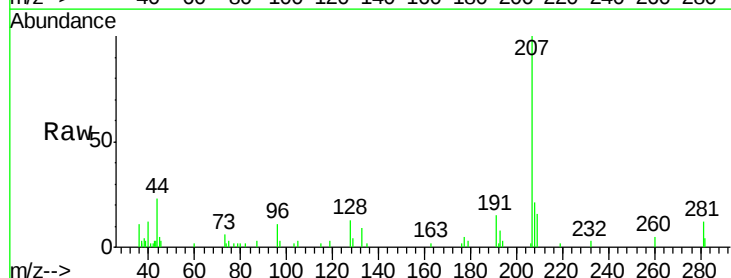
Tgt Ion:128 Resp: 2035

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 10.6 8.6 13.0

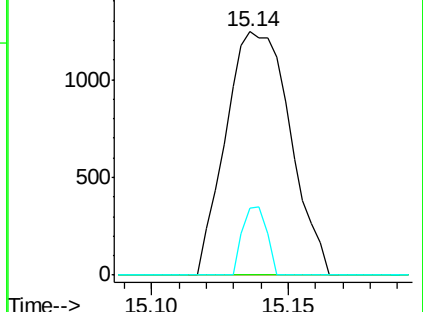
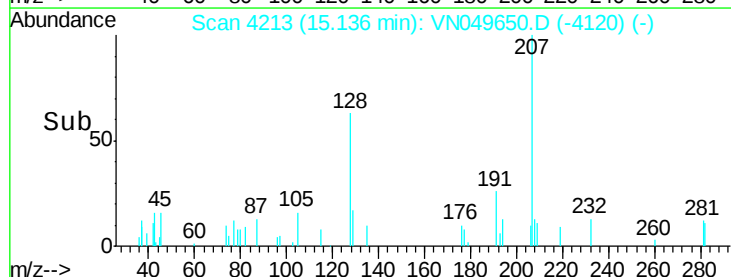


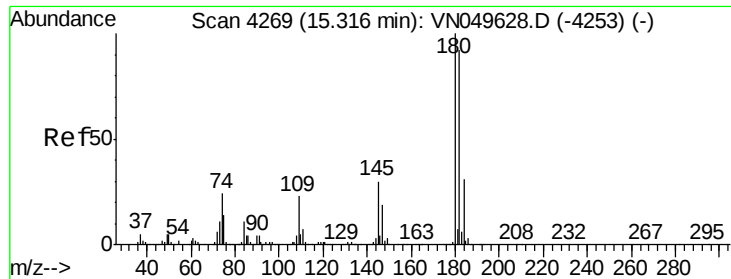
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->

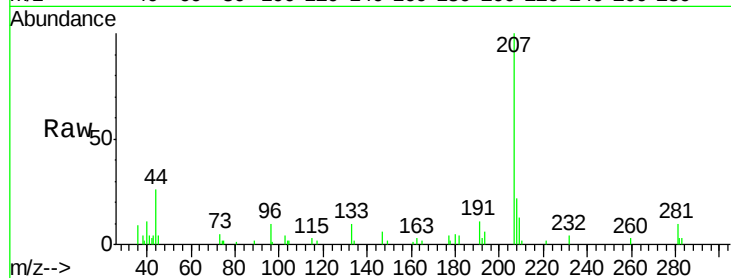




#96
 1,2,3-Trichlorobenzene
 Concen: 1.71 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: VN049650.D
 Acq: 30 Jun 2018 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.2	47.4	142.2
145	10.0	15.2	45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

