

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049617.D
 Acq On : 29 Jun 2018 3:51
 Operator : MD\SY
 Sample : J3742-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:22:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1093334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1738758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1414495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	533690	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	711574	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.14%		
35) Dibromofluoromethane	7.59	113	640453	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.06%		
50) Toluene-d8	10.09	98	2321234	43.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.68%		
62) 4-Bromofluorobenzene	12.40	95	654086	36.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	73.86%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	204	0.24	ug/l	# 70
13) Acrolein	3.60	56	2236	2.51	ug/l	97
16) Acetone	3.82	43	81622	23.18	ug/l	92
17) Carbon Disulfide	4.05	76	11946	0.30	ug/l	99
18) Methyl Acetate	4.33	43	152347	14.19	ug/l	97
20) Methylene Chloride	4.55	84	112594	7.66	ug/l	94
25) 2-Butanone	6.84	43	14362	3.04	ug/l	# 89
29) Tetrahydrofuran	7.22	42	1369	0.45	ug/l	# 78
30) Chloroform	7.37	83	7987	0.32	ug/l	# 70
31) Cyclohexane	7.67	56	19251	0.72	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	72653	3.65	ug/l	# 51
38) Carbon Tetrachloride	7.67	117	96790	4.69	ug/l	# 16
43) Isopropyl Acetate	8.30	43	501095	24.21	ug/l	# 64
49) 1,4-Dioxane	9.21	88	30	0.22	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	5714	0.53	ug/l	# 84
52) Toluene	10.16	92	20417	0.57	ug/l	96
59) 2-Hexanone	10.76	43	1574	0.23	ug/l	78
65) Chlorobenzene	11.44	112	17986	0.49	ug/l	# 85
67) Ethyl Benzene	11.52	91	18933	0.31	ug/l	99
68) m/p-Xylenes	11.62	106	9959	0.44	ug/l	80
69) o-Xylene	11.95	106	5927	0.27	ug/l	82
71) Bromoform	12.40	173	3664	0.41	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.45	83	32	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.68	75	12035	1.32	ug/l	# 100
78) n-propylbenzene	12.68	91	447602	8.70	ug/l	# 56
79) 2-Chlorotoluene	12.68	91	447602	13.73	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	11017	0.30	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	321848	111.71	ug/l	# 9
82) 4-Chlorotoluene	12.77	91	22770	0.72	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	33554	0.92	ug/l	99
90) Hexachloroethane	13.89	117	1618	Below	Cal	# 9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	342	0.21	ug/l	# 4
93) 1,2,4-Trichlorobenzene	14.91	180	730	4.81	ug/l	77
94) Hexachlorobutadiene	15.00	225	73	Below	Cal	# 18

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

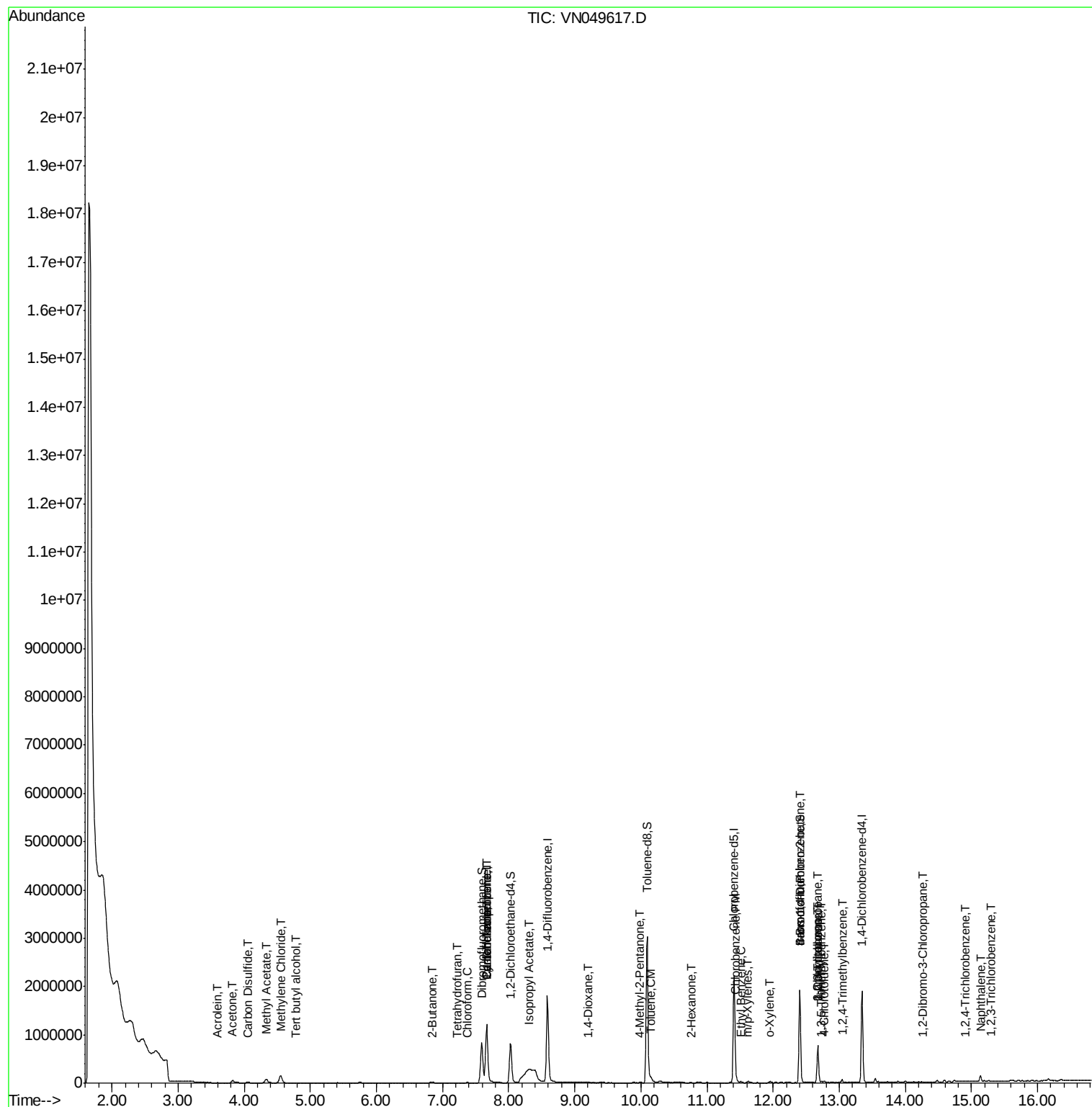
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	101125	8.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	391	3.50	ug/l #	76

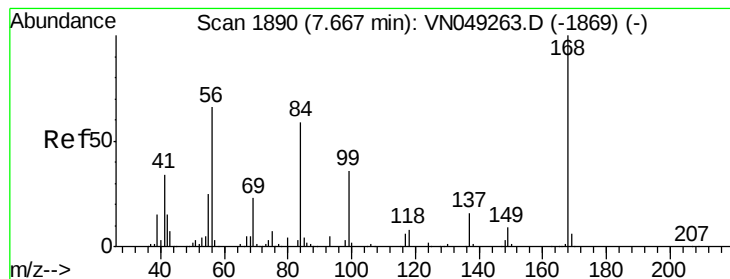
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

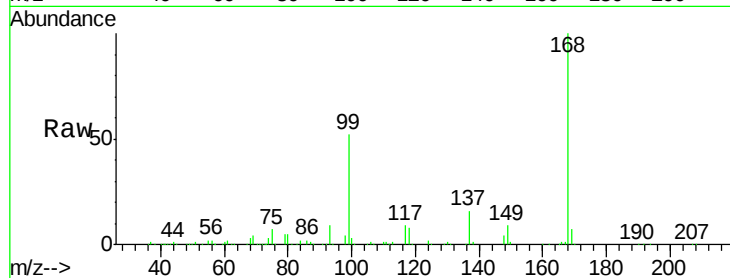
ClientSampleId :

Tot Ion:168 Resp: 1093334

Ion Ratio Lower Upper

168 100

99 51.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

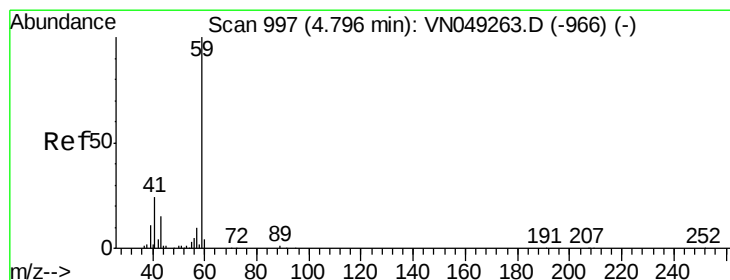
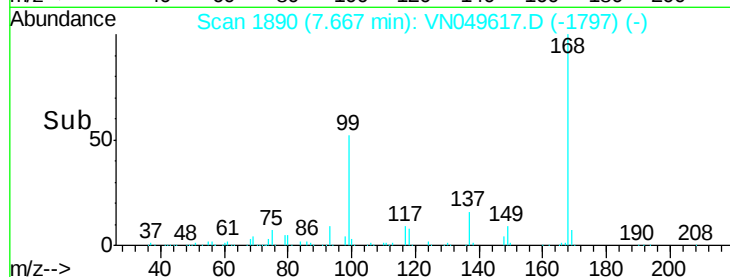
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049617.D

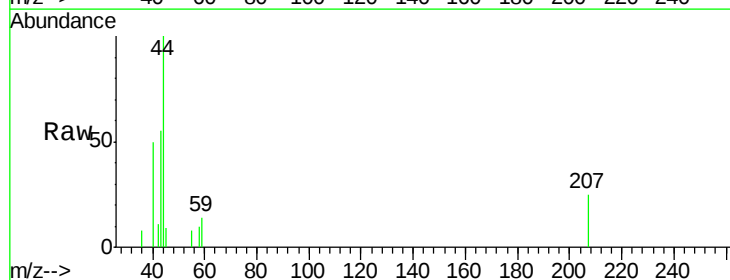
Acq: 29 Jun 2018 3:51

Tgt Ion: 59 Resp: 204

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

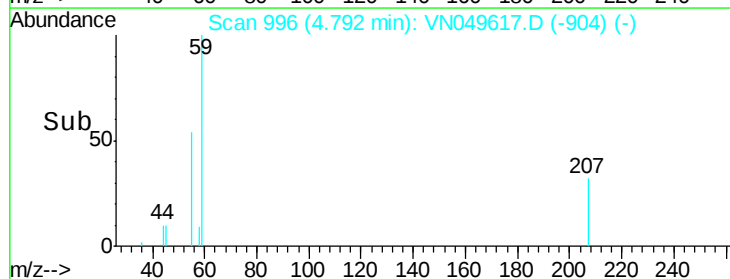
300

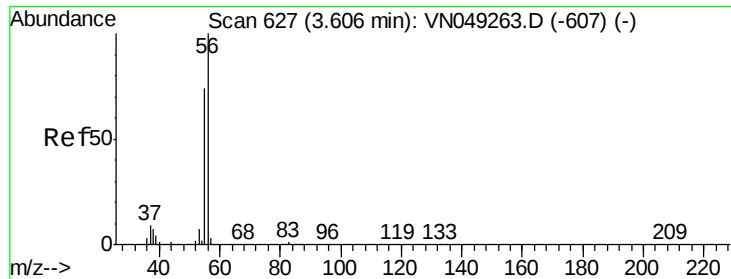
200

100

0

Time-->





#13

Acrolein

Concen: 2.51 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

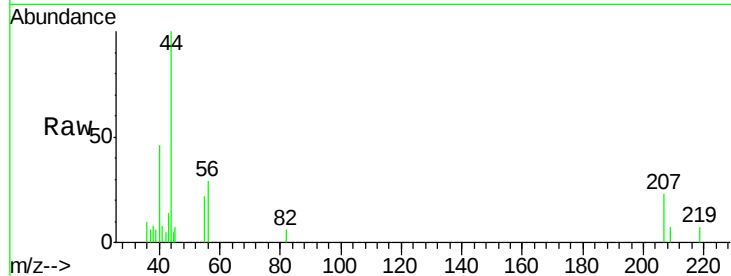
ClientSampleId :

Tot Ion: 56 Resp: 2236

Ion Ratio Lower Upper

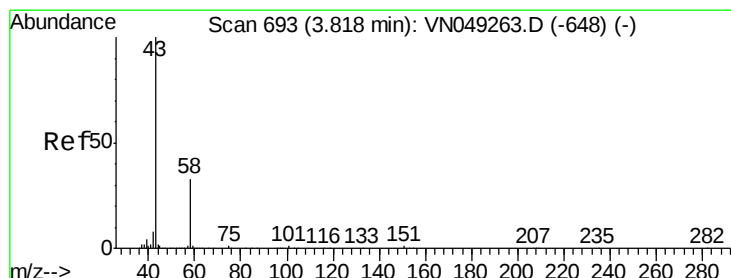
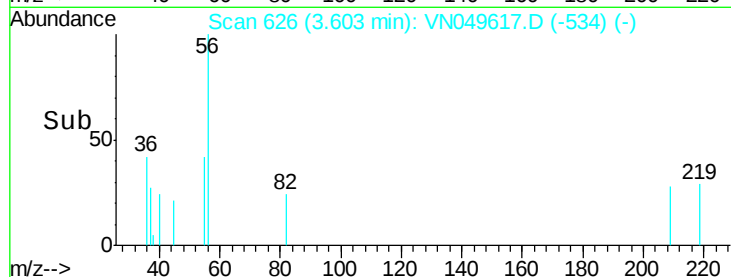
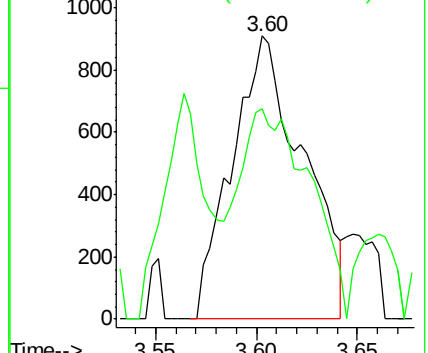
56 100

55 74.2 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-607) (-)



#16

Acetone

Concen: 23.18 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049617.D

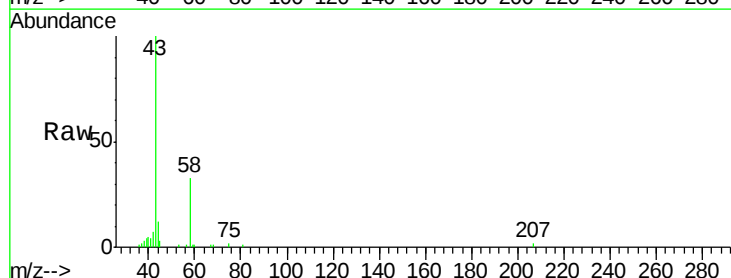
Acq: 29 Jun 2018 3:51

Tgt Ion: 43 Resp: 81622

Ion Ratio Lower Upper

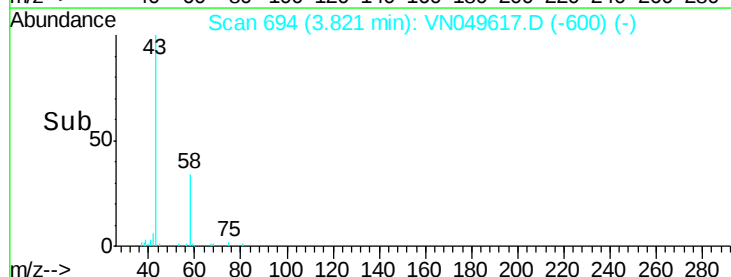
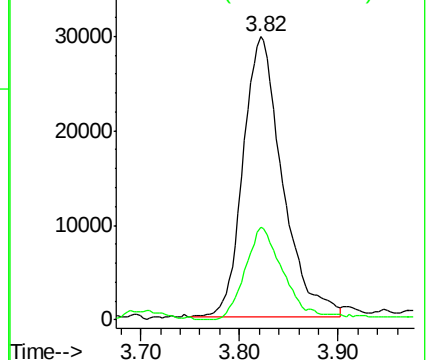
43 100

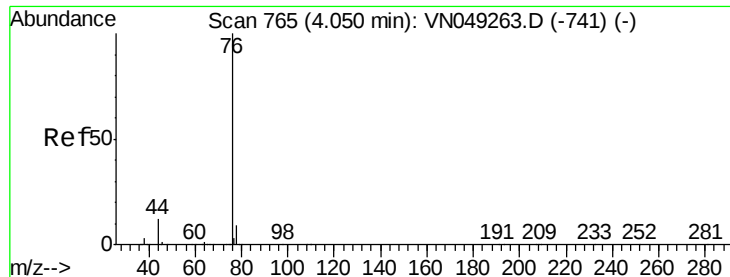
58 32.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-648) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-648) (-)

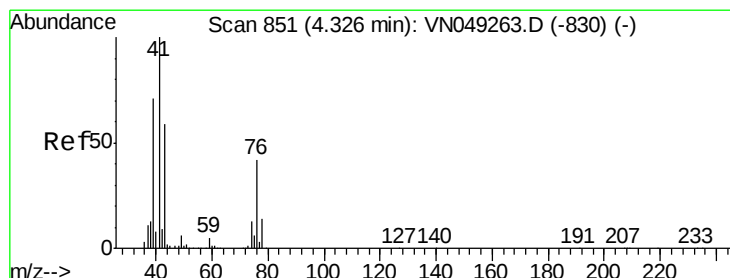
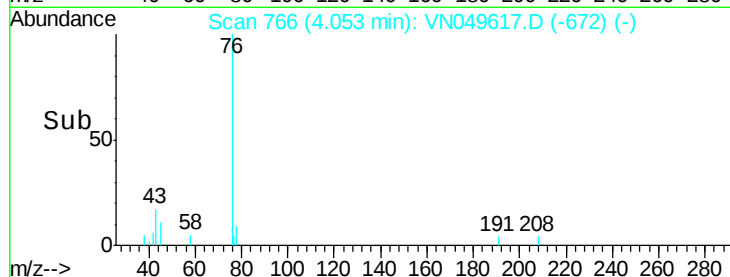
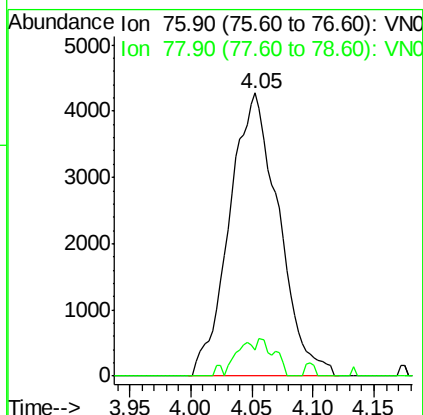
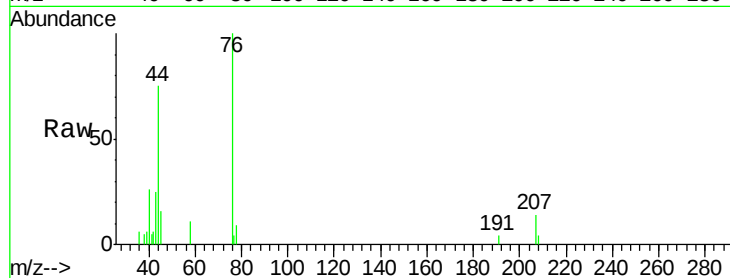




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

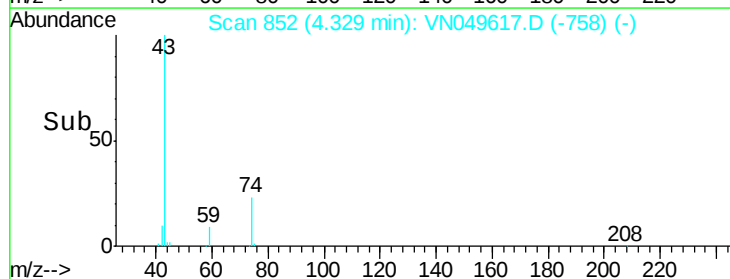
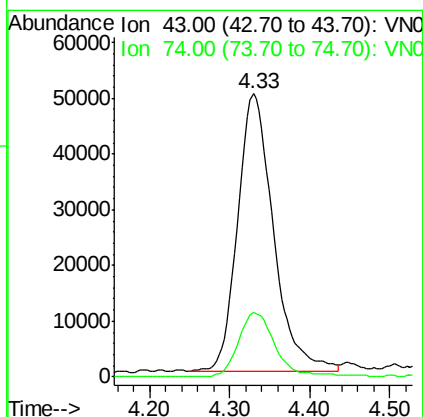
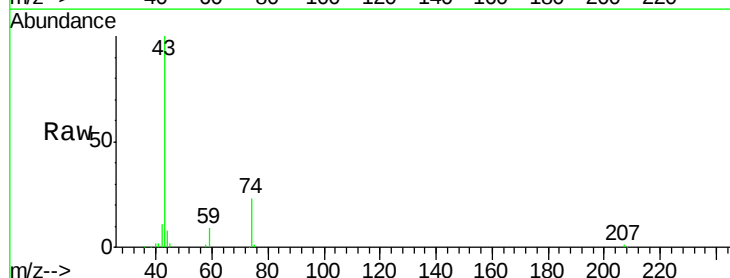
Instrument :
MSVOA_N
ClientSampleId :

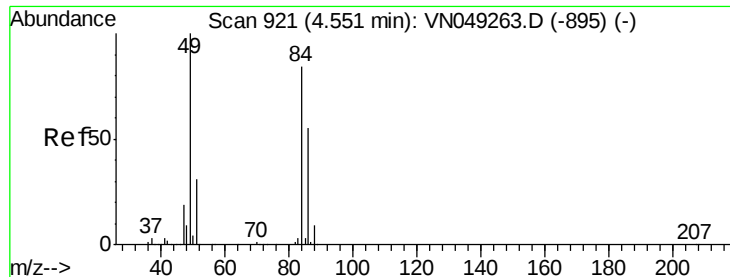
Tot Ion: 76 Resp: 11946
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 14.19 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Tgt Ion: 43 Resp: 152347
Ion Ratio Lower Upper
43 100
74 23.1 17.4 26.0

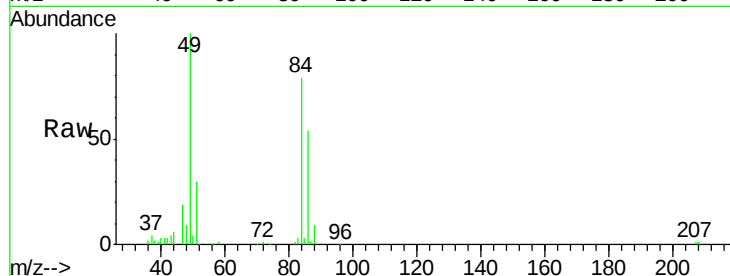




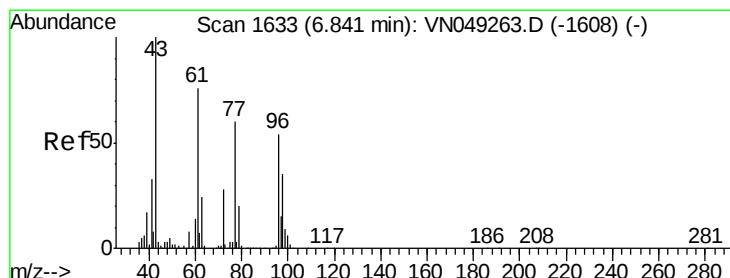
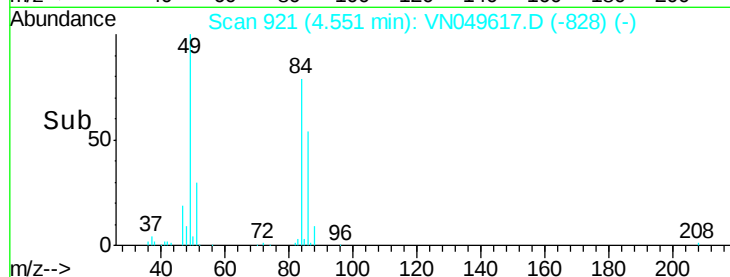
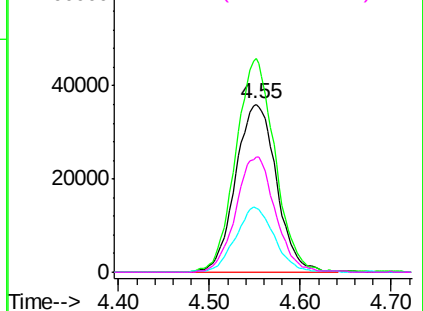
#20
Methvlene Chloride
Concen: 7.66 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 112594
Ion Ratio Lower Upper
84 100
49 127.0 106.9 160.3
51 38.4 32.7 49.1
86 68.4 49.8 74.8

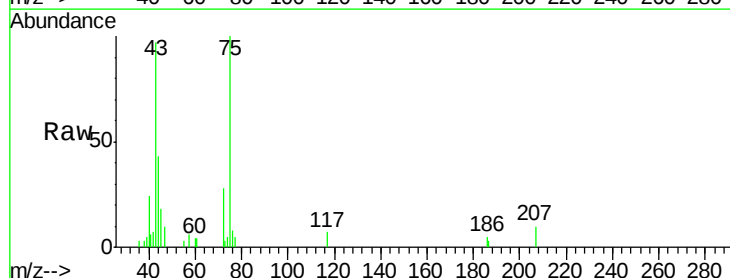


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

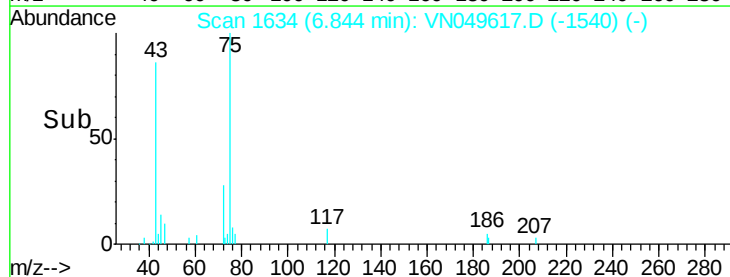
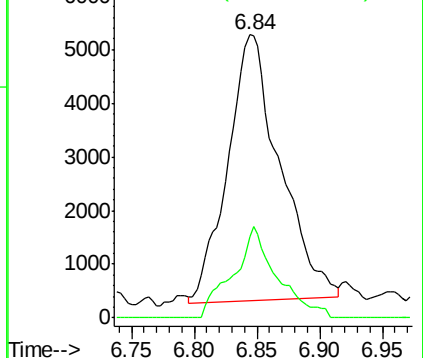


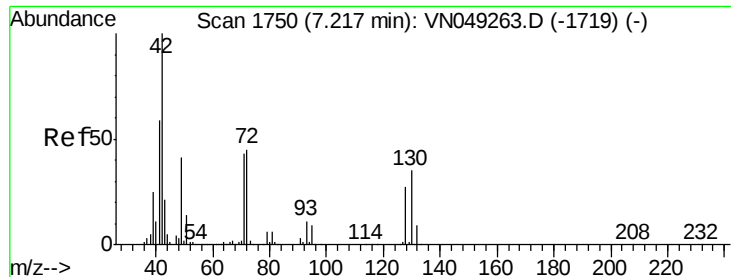
#25
2-Butanone
Concen: 3.04 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Tgt Ion: 43 Resp: 14362
Ion Ratio Lower Upper
43 100
72 30.7 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

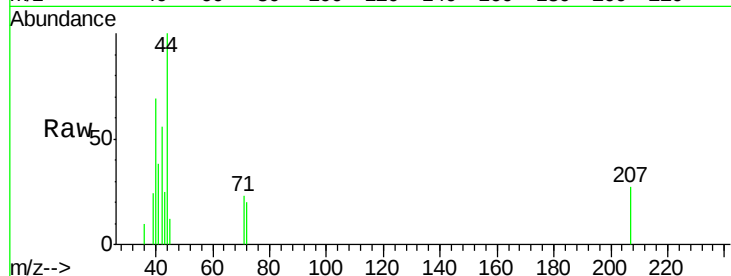




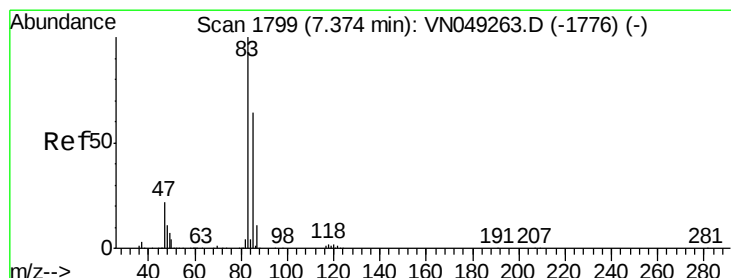
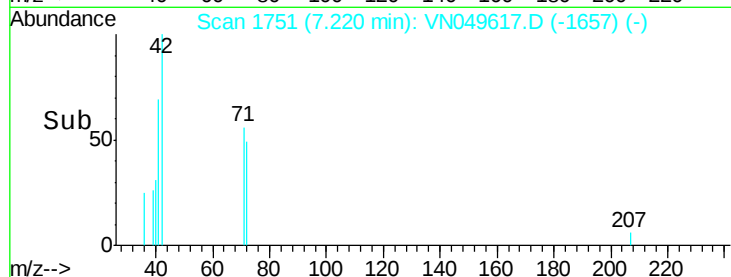
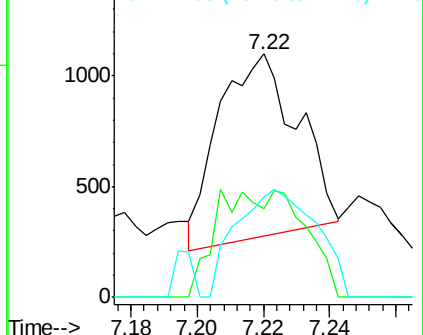
#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1369
Ion Ratio Lower Upper
42 100
72 35.7 32.2 48.4
71 60.2 30.5 45.7#

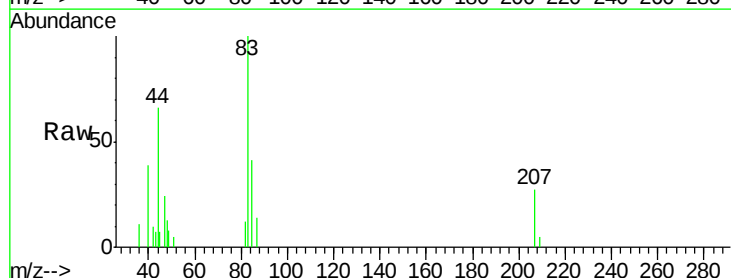


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

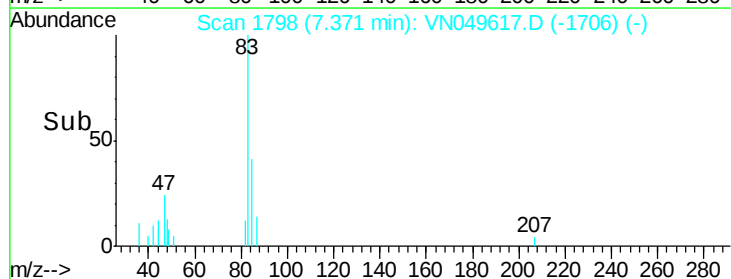
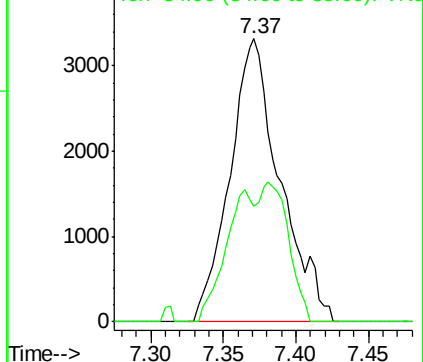


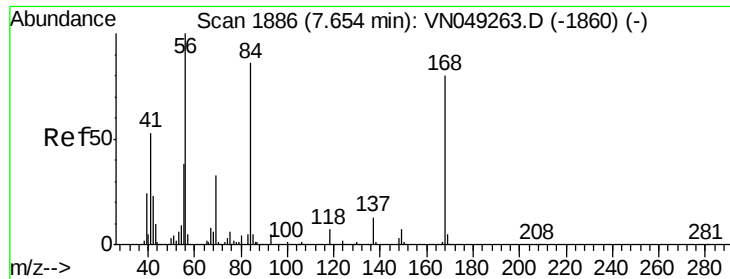
#30
Chloroform
Concen: 0.32 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Tgt Ion: 83 Resp: 7987
Ion Ratio Lower Upper
83 100
85 40.9 51.7 77.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

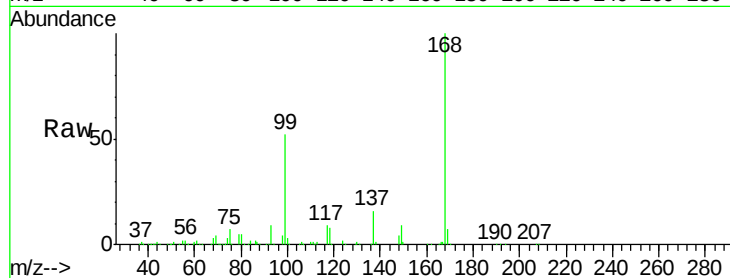




#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	Resp	19251
Ion Ratio	Lower	Upper	
56	100		
69	193.3	25.0	37.4#
84	137.2	64.6	96.8#

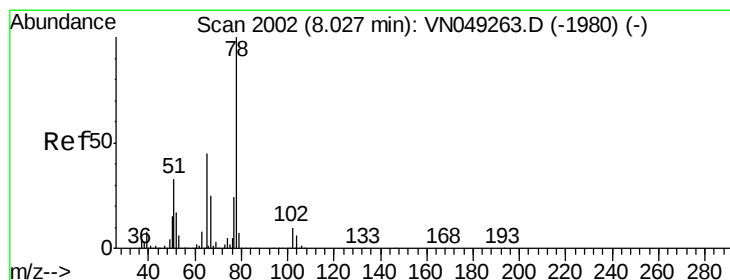
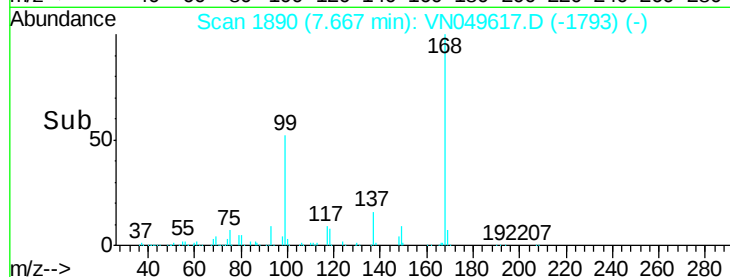
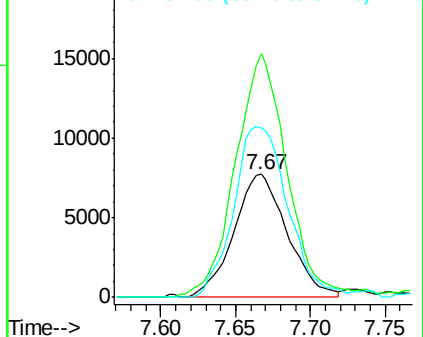


Abundance

Ion 56.00 (55.70 to 56.70): VN0

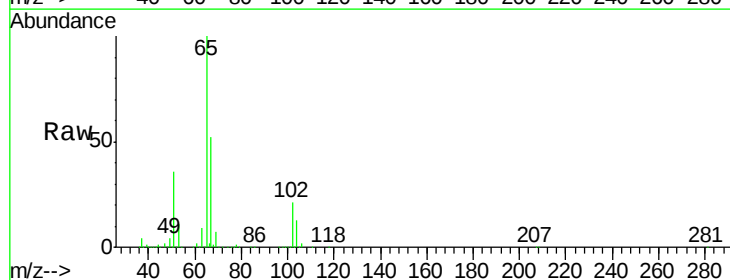
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33
1,2-Dichloroethane-d4
Concen: 49.07 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

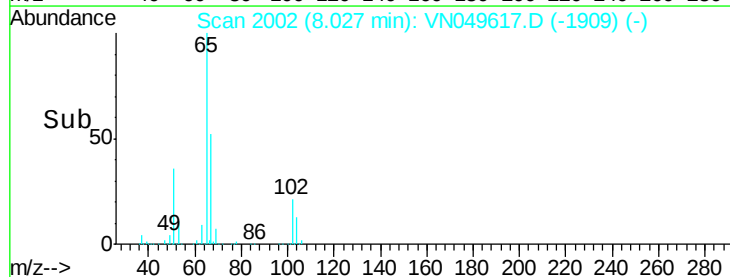
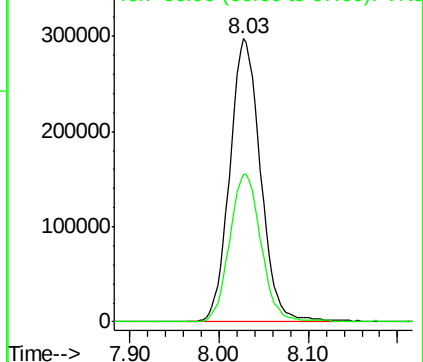
Tgt Ion	65	Resp	711574
Ion Ratio	Lower	Upper	
65	100		
67	53.2	0.0	103.8

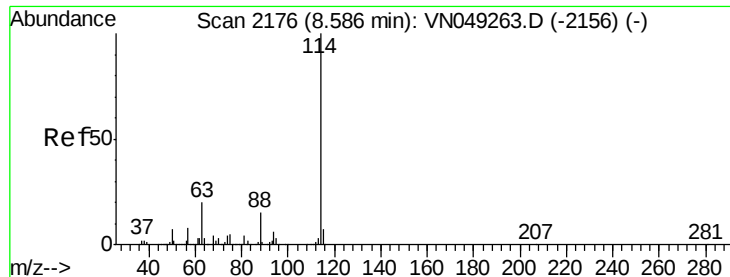


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

ClientSampleId :

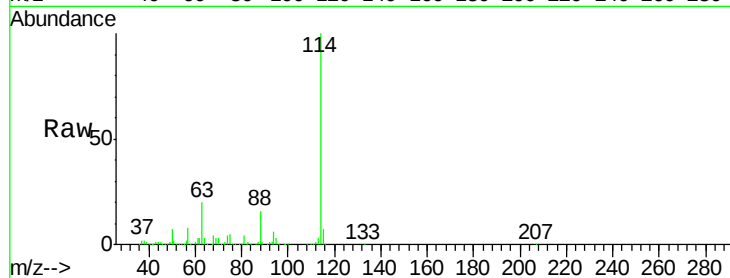
Tot Ion:114 Resp: 1738758

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

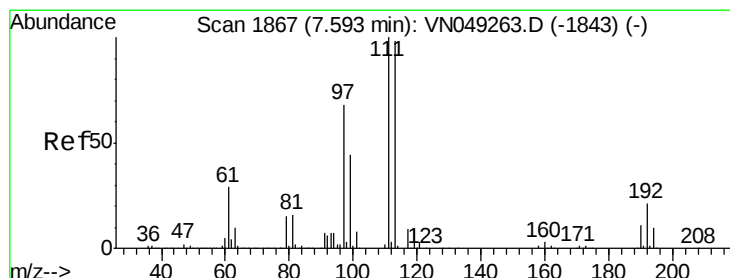
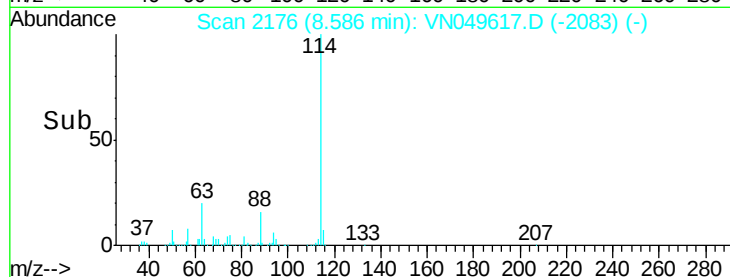
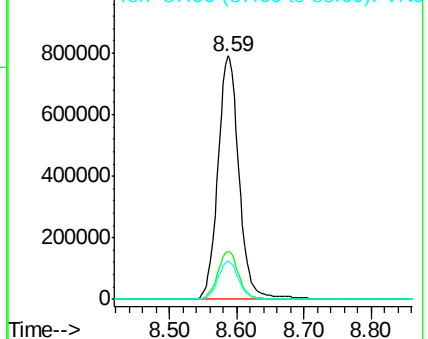
88 15.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 45.53 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

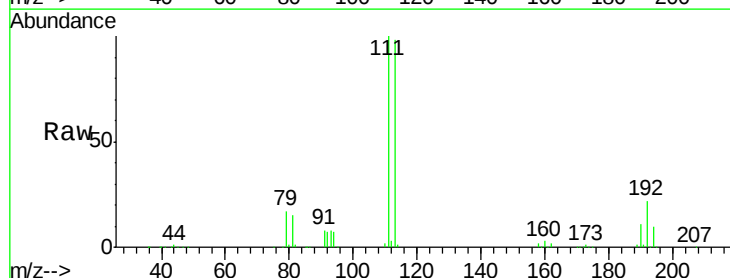
Tgt Ion:113 Resp: 640453

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

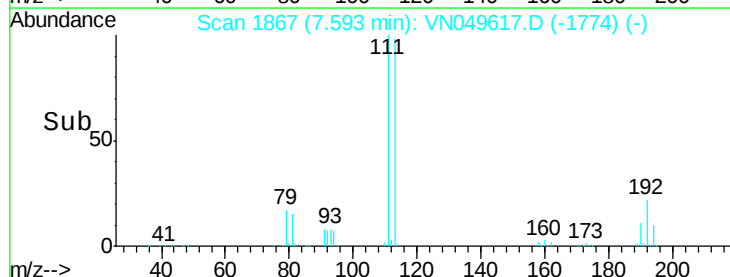
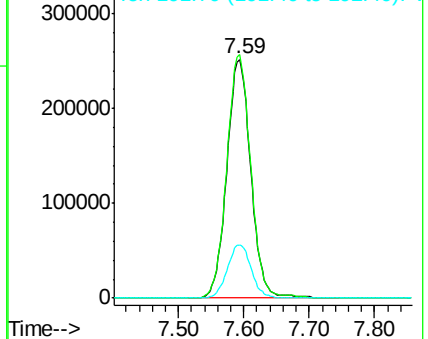
192 22.3 15.0 22.6

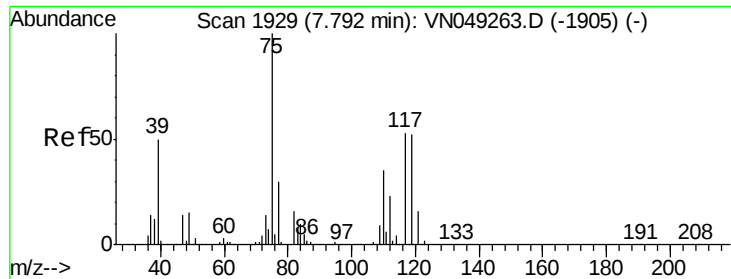


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

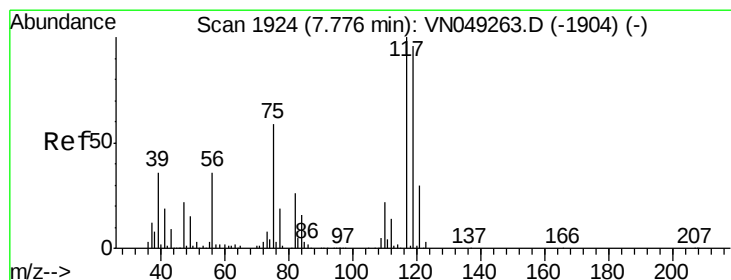
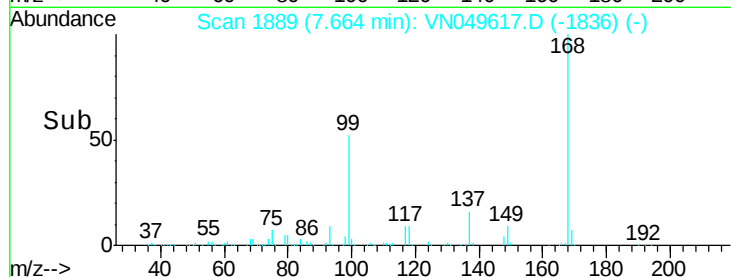
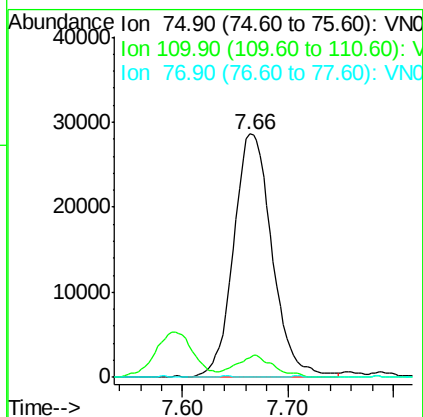
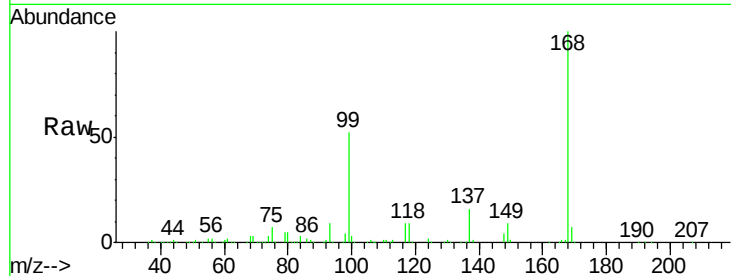




#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049617.D
 Acq: 29 Jun 2018 3:51

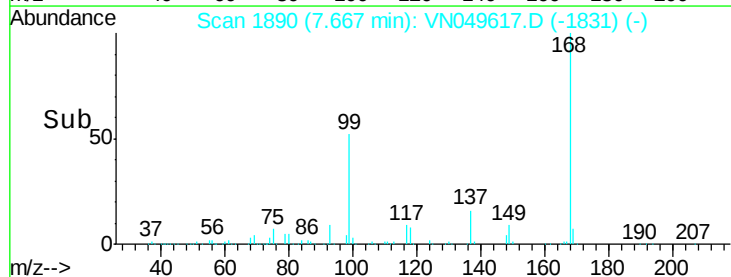
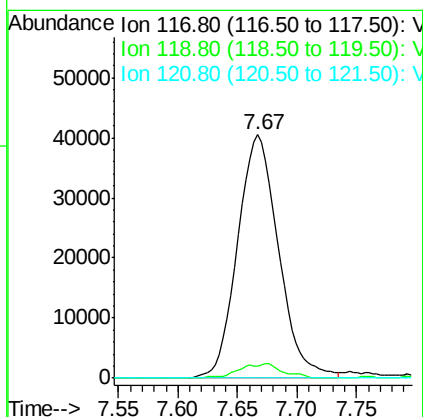
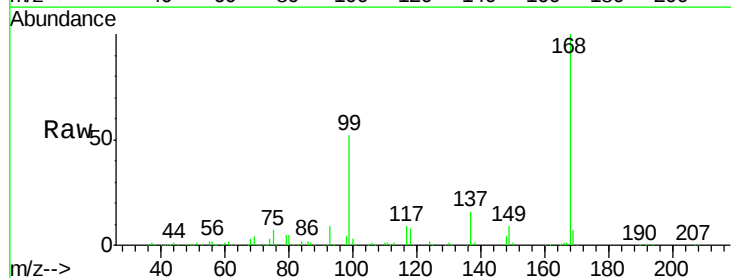
Instrument :
 MSVOA_N
 ClientSampled :

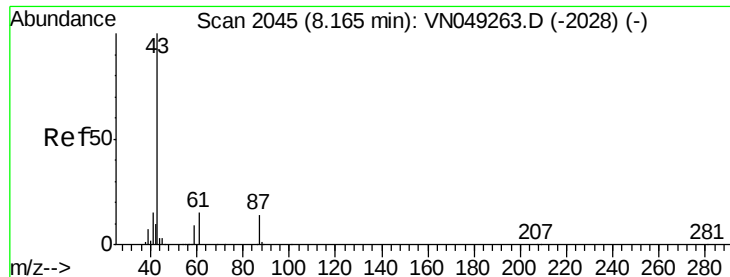
Tot Ion	75	Resp	72653
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.69 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049617.D
 Acq: 29 Jun 2018 3:51

Tgt Ion	117	Resp	96790
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	75.6	113.4#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 24.21 ug/l

RT: 8.30 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

ClientSampled :

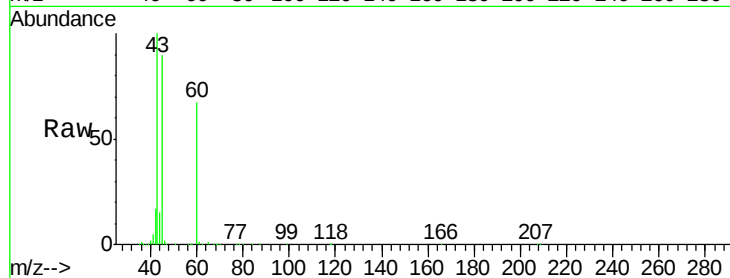
Tot Ion: 43 Resp: 501095

Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.4#

87 0.0 9.4 14.0#

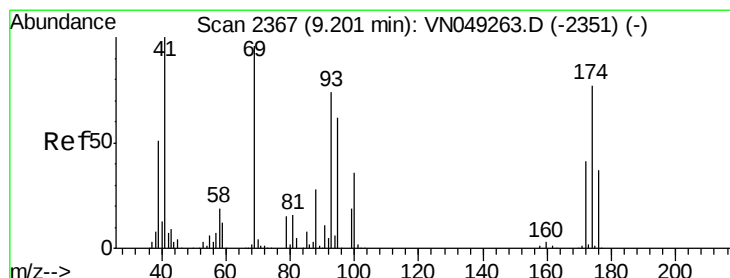
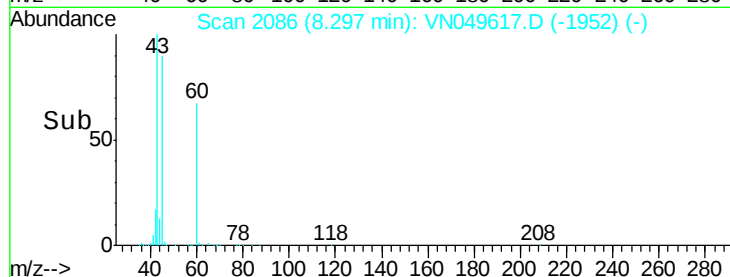
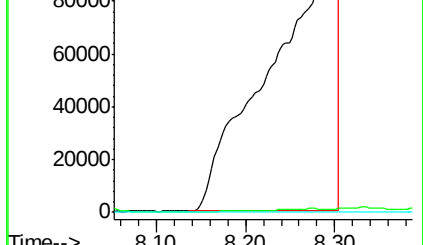


Abundance Ion 43.00 (42.70 to 43.70): VN049617.D (-2086) (-)

Ion 61.00 (60.70 to 61.70): VN049617.D (-2086) (-)

Ion 87.00 (86.70 to 87.70): VN049617.D (-2086) (-)

8.30



#49

1,4-Dioxane

Concen: 0.22 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.01 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

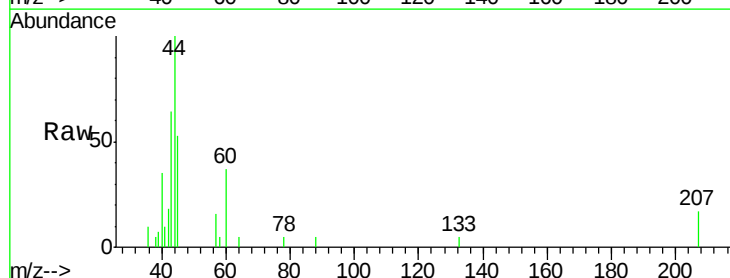
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 5190.0 30.9 46.3#

58 0.0 58.9 88.3#

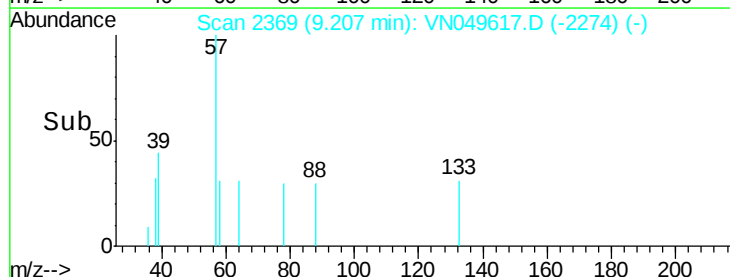
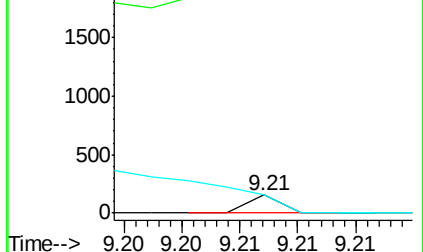


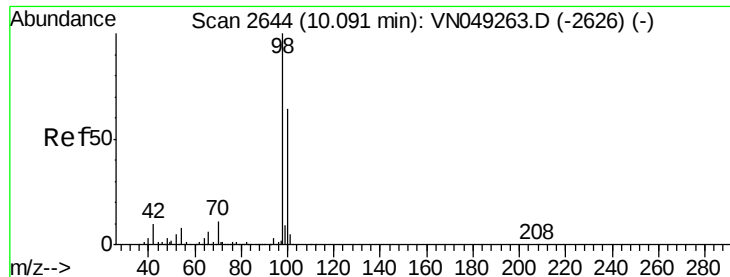
Abundance Ion 88.00 (87.70 to 88.70): VN049617.D (-2369) (-)

Ion 43.00 (42.70 to 43.70): VN049617.D (-2369) (-)

Ion 58.00 (57.70 to 58.70): VN049617.D (-2369) (-)

9.21





#50

Toluene-d8

Concen: 43.34 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

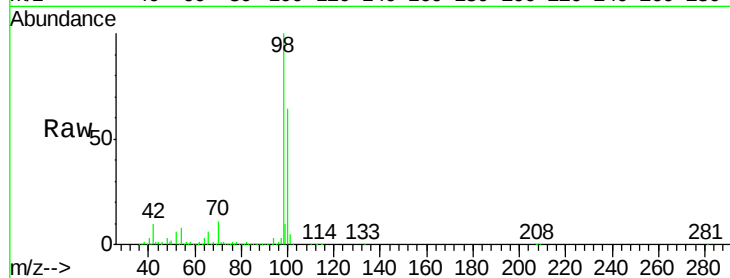
ClientSampleId :

Tot Ion: 98 Resp: 2321234

Ion Ratio Lower Upper

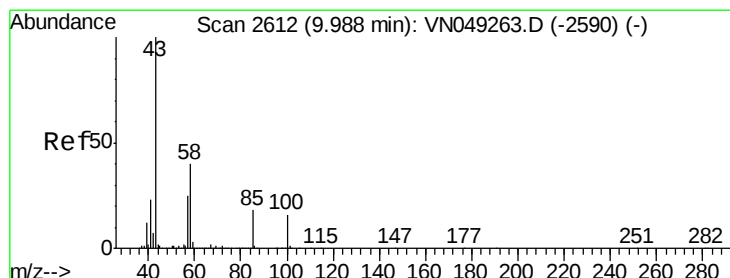
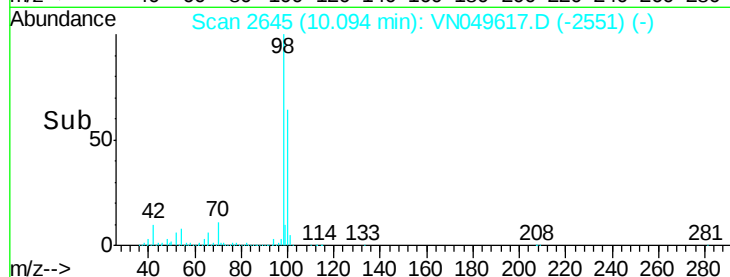
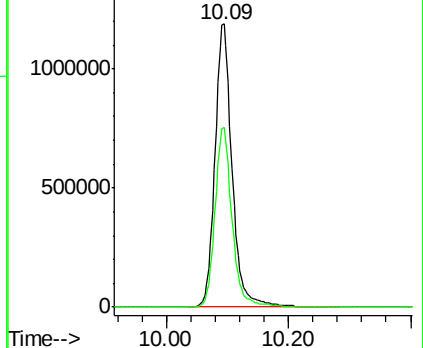
98 100

100 63.4 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049617.D

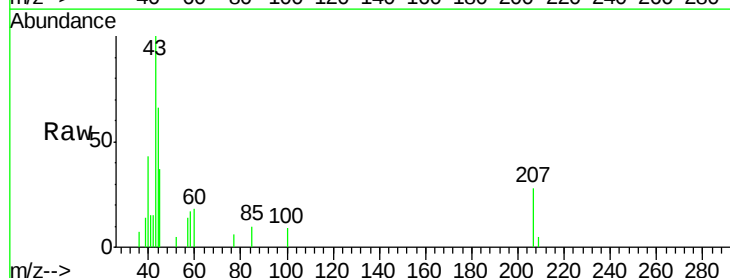
Acq: 29 Jun 2018 3:51

Tgt Ion: 43 Resp: 5714

Ion Ratio Lower Upper

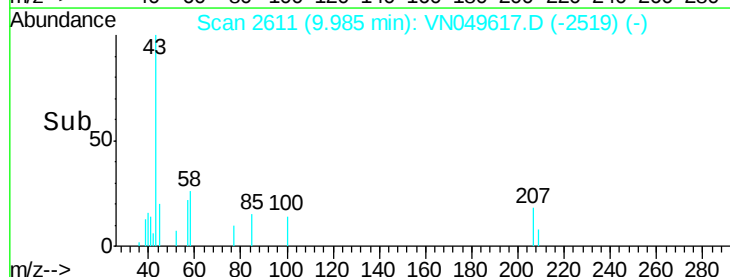
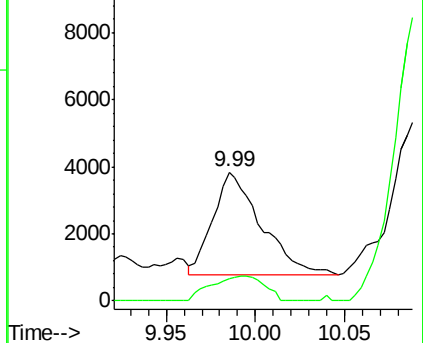
43 100

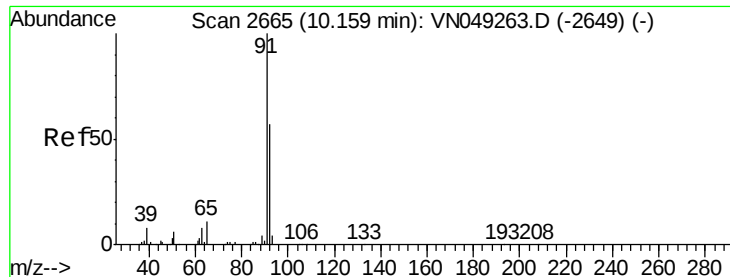
58 26.7 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.57 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

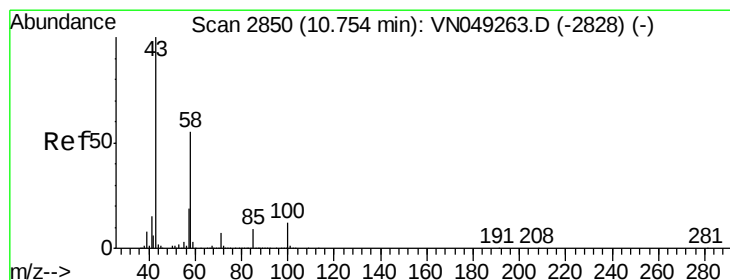
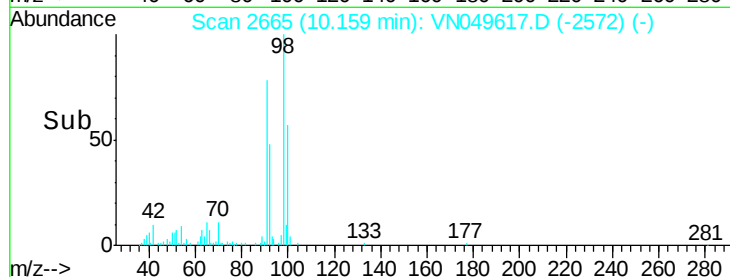
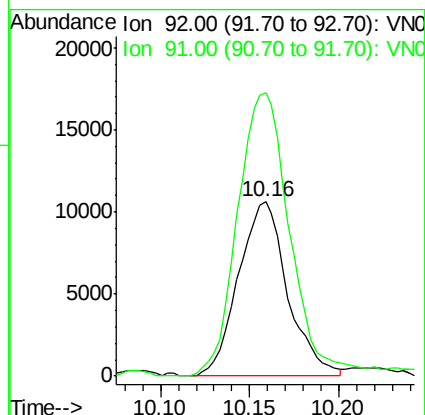
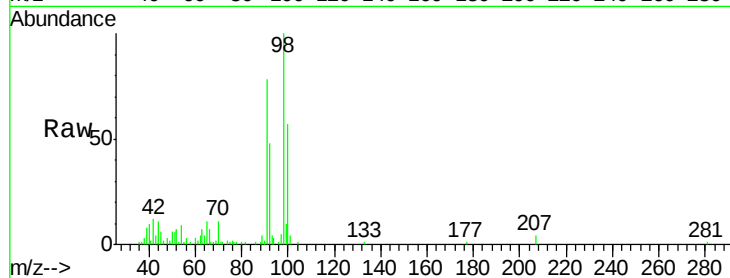
ClientSampleId :

Tot Ion: 92 Resp: 20417

Ion Ratio Lower Upper

92 100

91 173.2 143.4 215.2



#59

2-Hexanone

Concen: 0.23 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049617.D

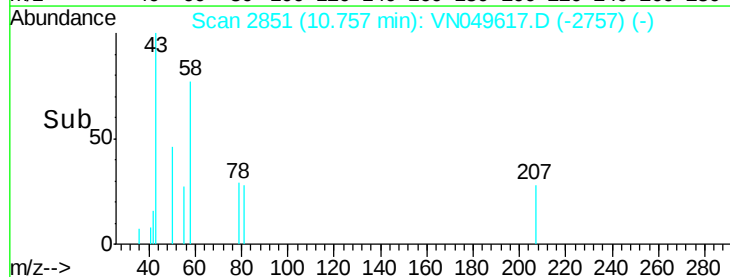
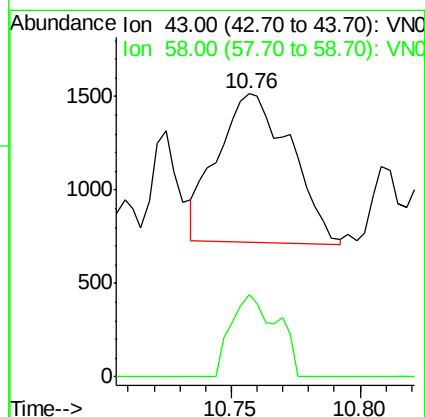
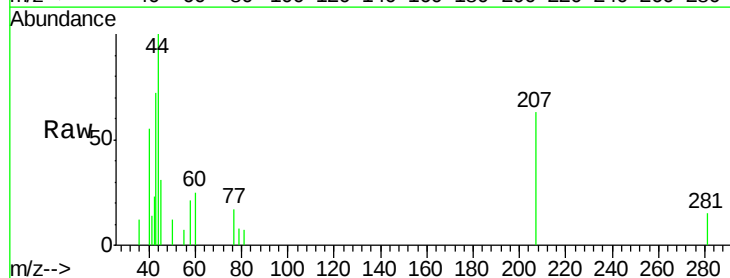
Acq: 29 Jun 2018 3:51

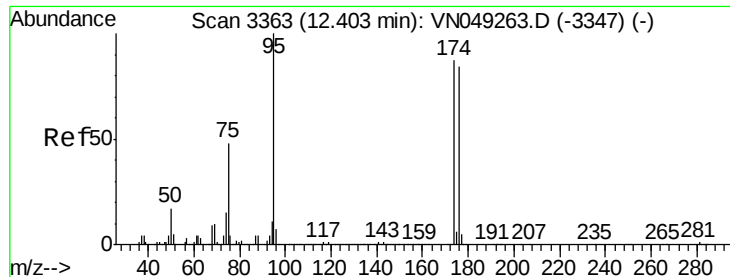
Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

58 34.9 25.2 75.6





#62

4-Bromofluorobenzene

Concen: 36.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

ClientSampled :

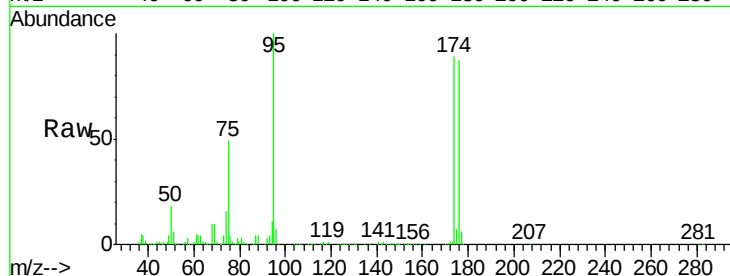
Tot Ion: 95 Resp: 654086

Ion Ratio Lower Upper

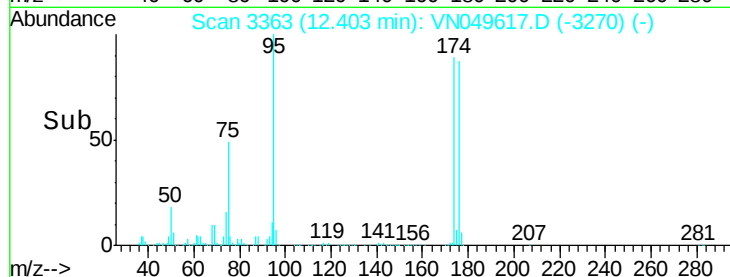
95 100

174 90.4 0.0 165.6

176 87.4 0.0 157.4

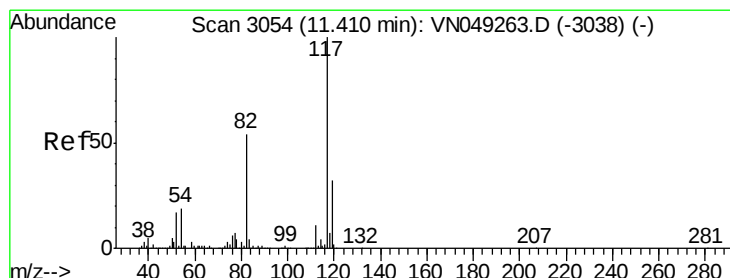
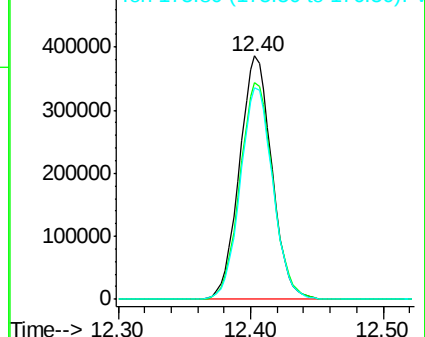


Abundance Ion 94.90 (94.60 to 95.60): VN049617.D (-3270) (-)



Ion 173.80 (173.50 to 174.50): VN049617.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049617.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

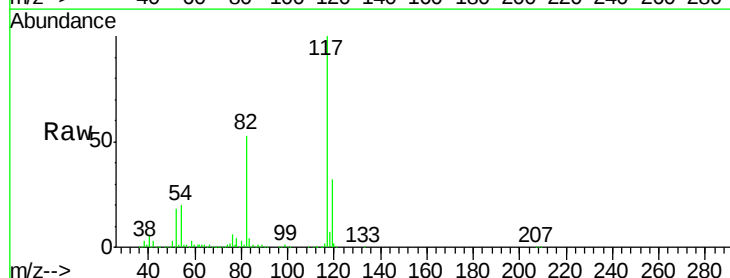
Tgt Ion: 117 Resp: 1414495

Ion Ratio Lower Upper

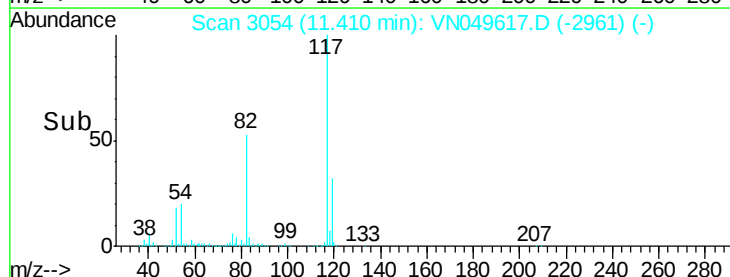
117 100

82 52.6 45.9 68.9

119 32.2 25.5 38.3

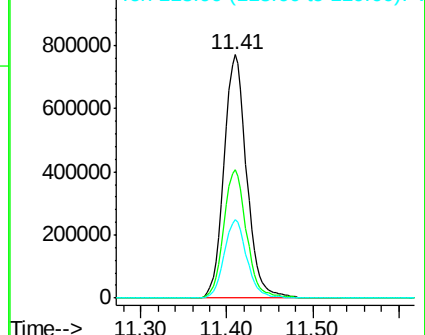


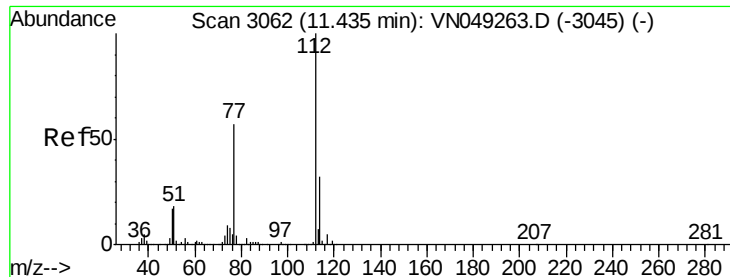
Abundance Ion 116.90 (116.60 to 117.60): VN049617.D (-2961) (-)



Ion 82.00 (81.70 to 82.70): VN049617.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049617.D (-2961) (-)





#65

Chlorobenzene

Concen: 0.49 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

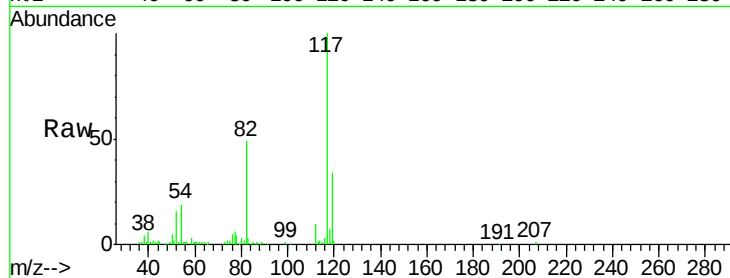
ClientSampleId :

Tot Ion:112 Resp: 17986

Ion Ratio Lower Upper

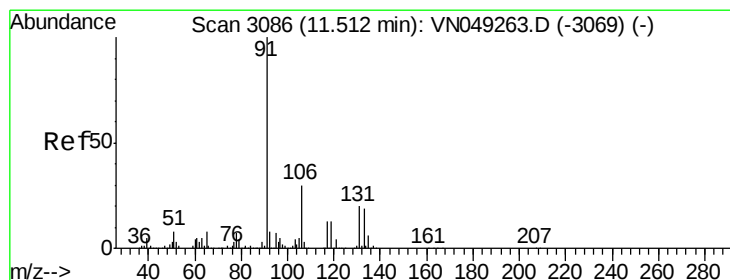
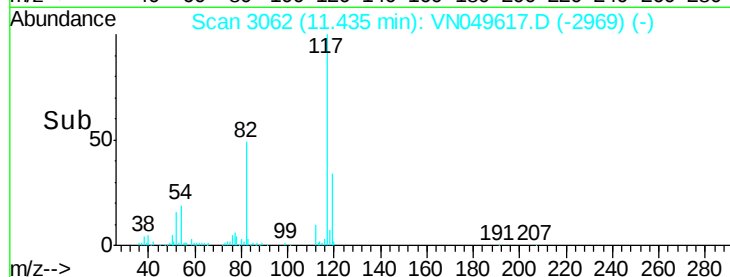
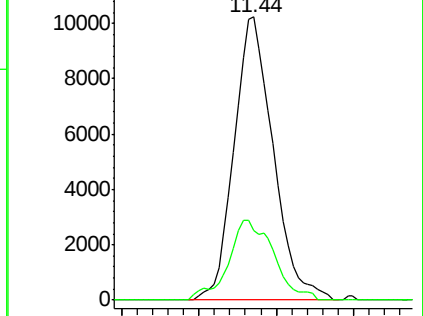
112 100

114 24.5 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.31 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049617.D

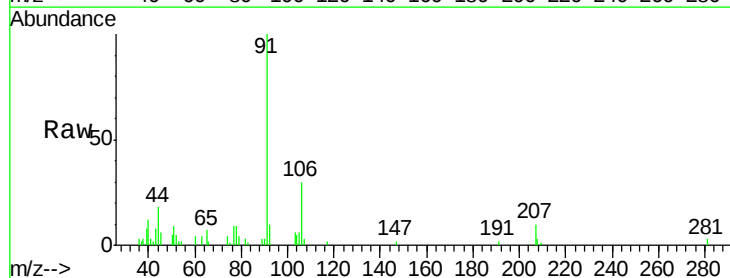
Acq: 29 Jun 2018 3:51

Tgt Ion: 91 Resp: 18933

Ion Ratio Lower Upper

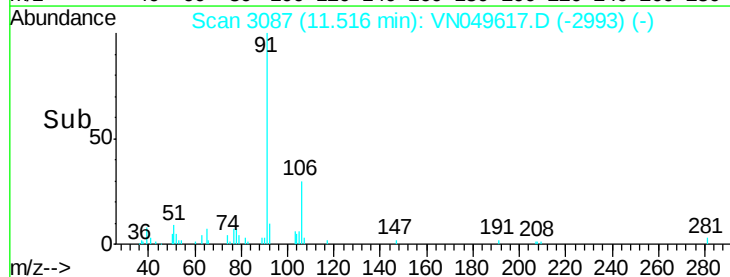
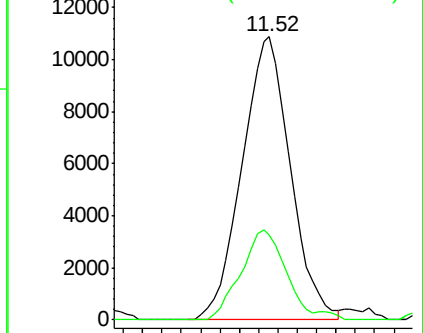
91 100

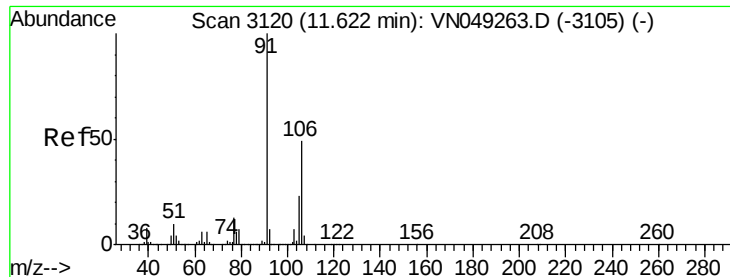
106 30.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.44 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

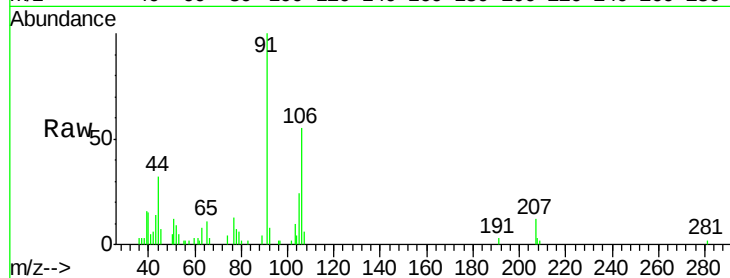
ClientSampled :

Tot Ion:106 Resp: 9959

Ion Ratio Lower Upper

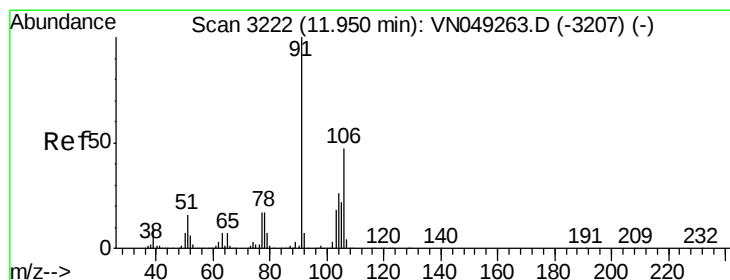
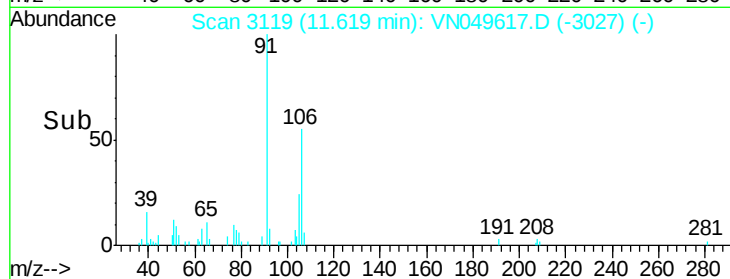
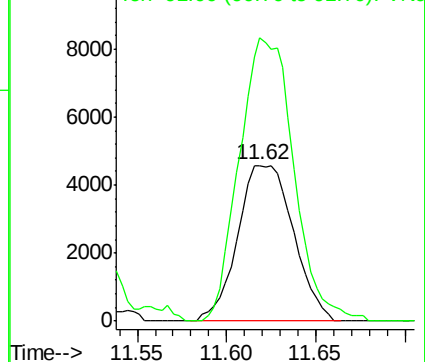
106 100

91 178.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.27 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049617.D

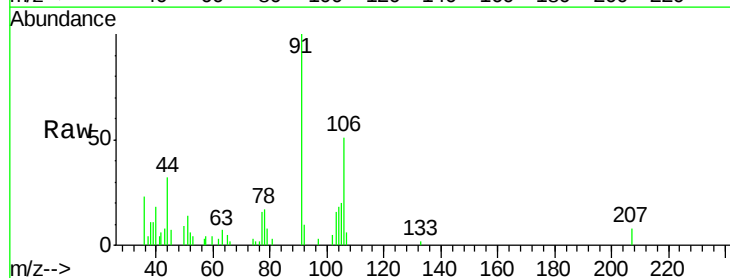
Acq: 29 Jun 2018 3:51

Tgt Ion:106 Resp: 5927

Ion Ratio Lower Upper

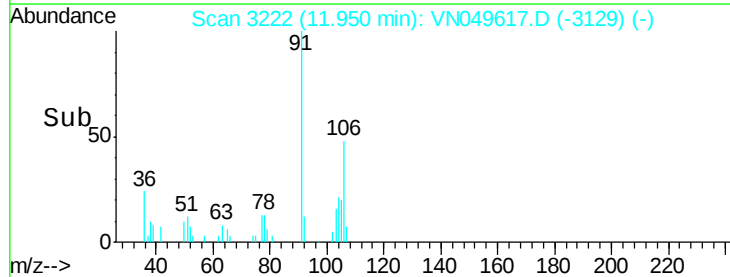
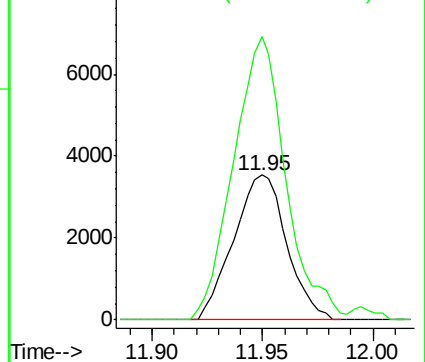
106 100

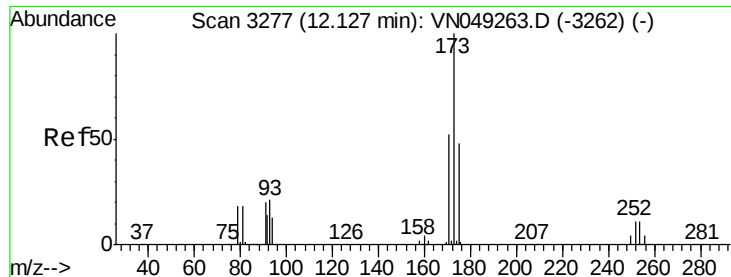
91 193.0 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

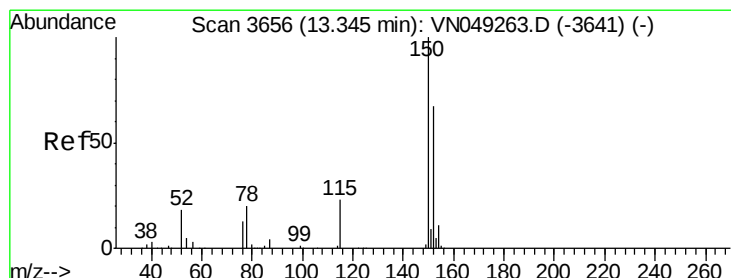
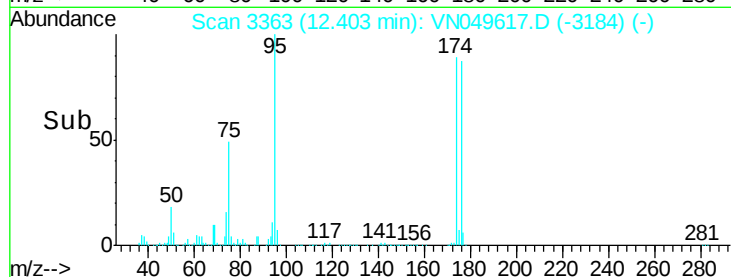
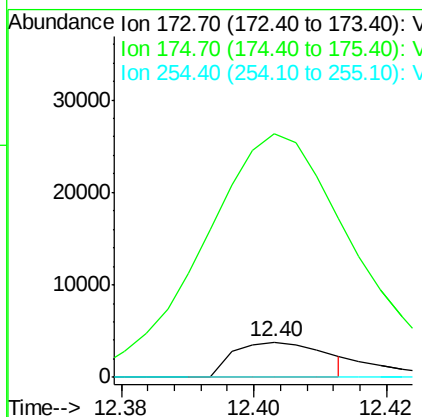
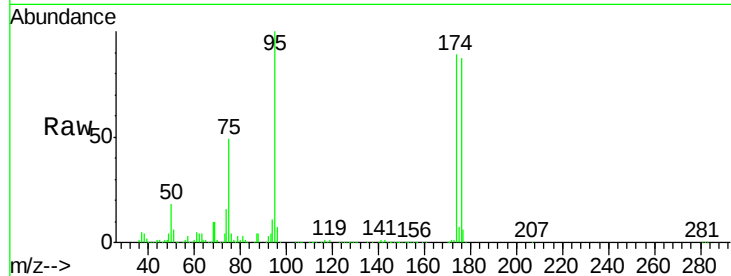




#71
Bromoform
Concen: 0.41 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

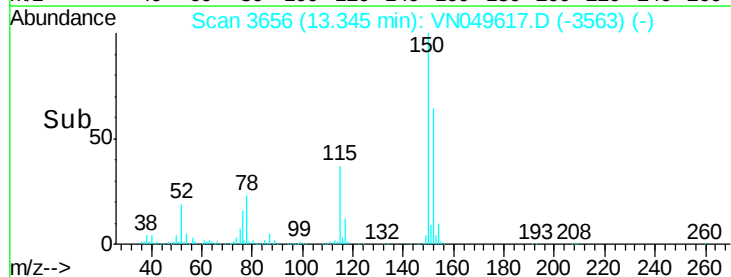
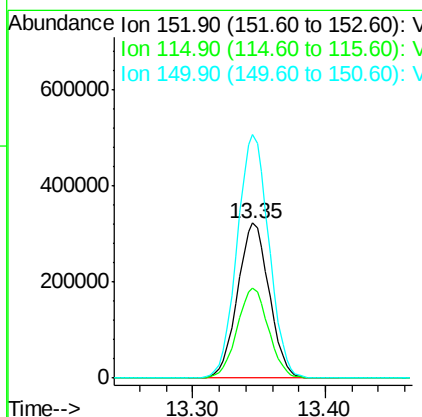
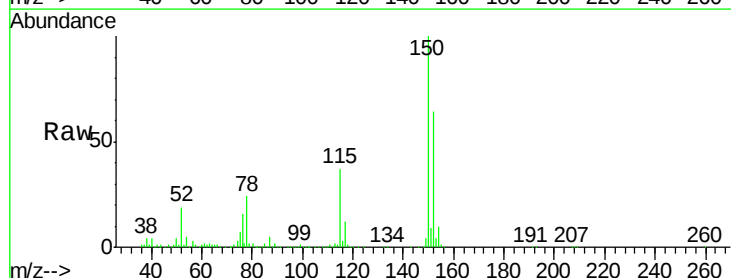
Instrument :
MSVOA_N
ClientSampleId :

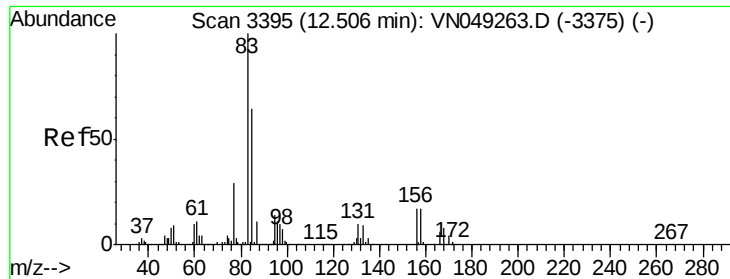
Tot Ion:173 Resp: 3664
Ion Ratio Lower Upper
173 100
175 952.1 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049617.D
Acq: 29 Jun 2018 3:51

Tgt Ion:152 Resp: 533690
Ion Ratio Lower Upper
152 100
115 57.4 28.7 86.1
150 157.6 0.0 351.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.45 min Scan# 3379

Delta R.T. -0.05 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

ClientSampleId :

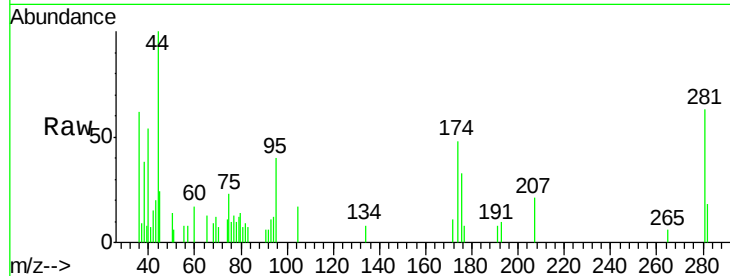
Tot Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

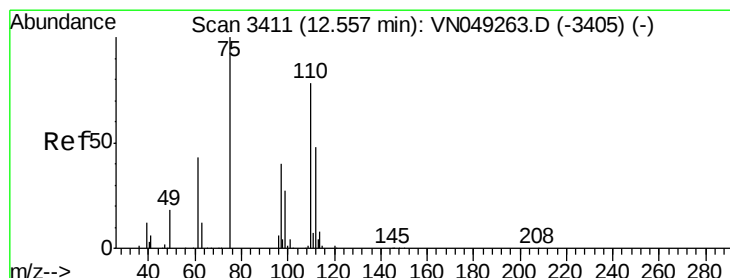
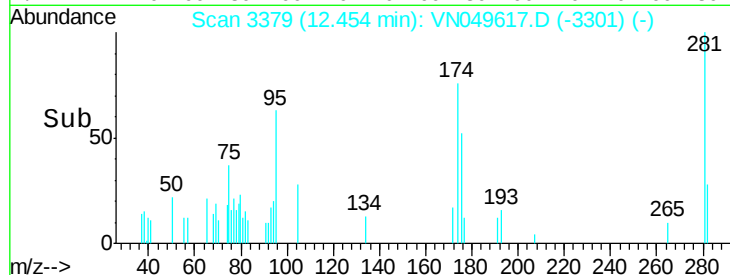
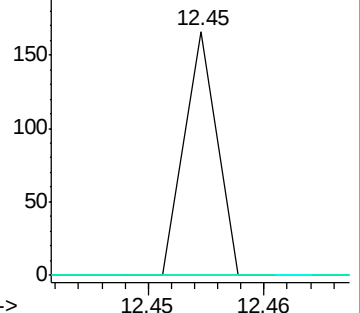
85 0.0 32.0 96.0#



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



#76

1,2,3-Trichloropropane

Concen: 1.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.12 min

Lab File: VN049617.D

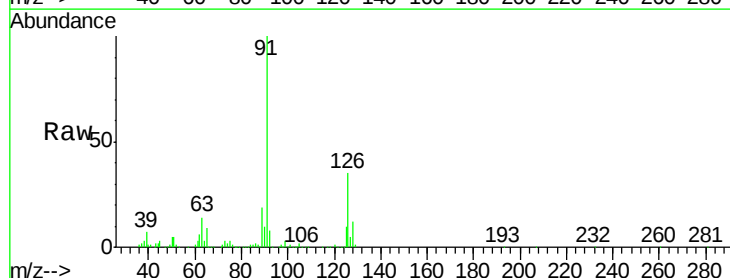
Acq: 29 Jun 2018 3:51

Tgt Ion: 75 Resp: 12035

Ion Ratio Lower Upper

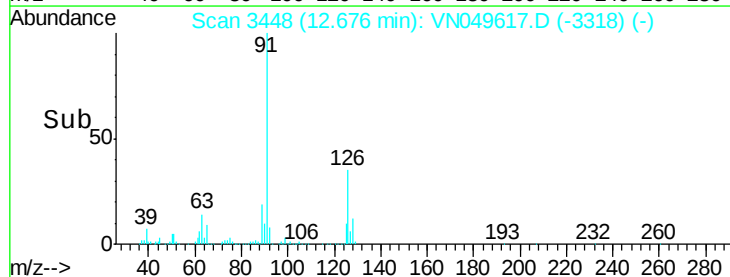
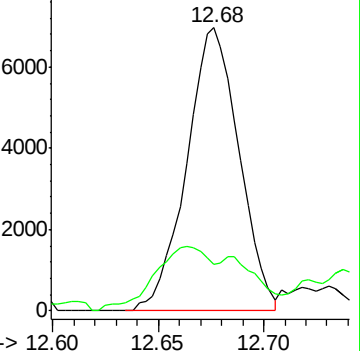
75 100

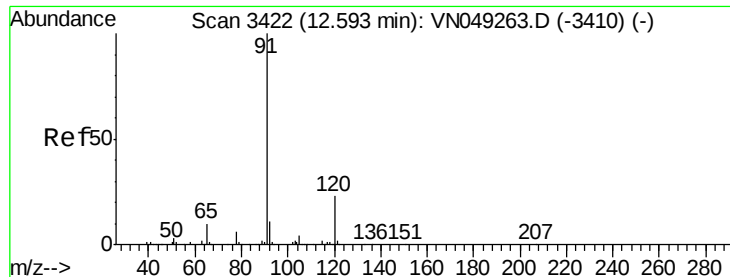
77 24.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 8.70 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.08 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

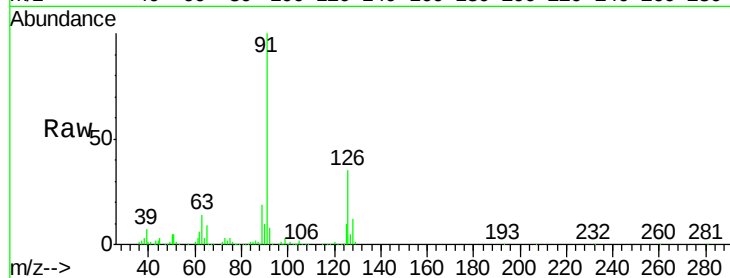
ClientSampleId :

Tot Ion: 91 Resp: 447602

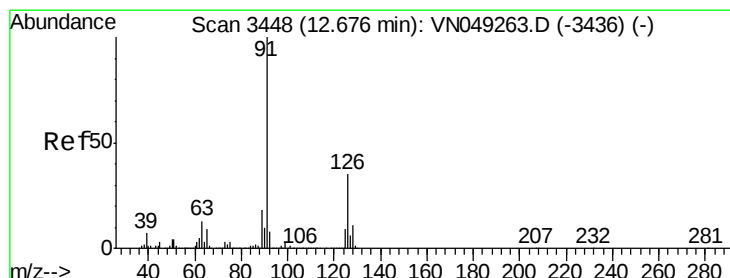
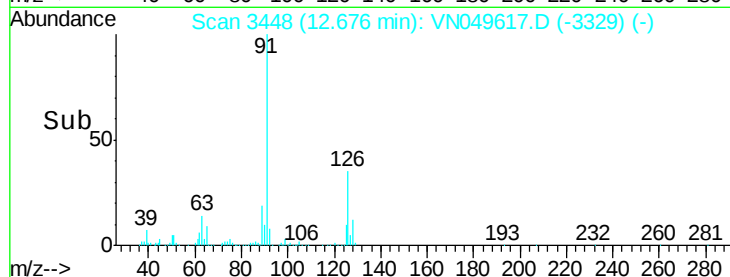
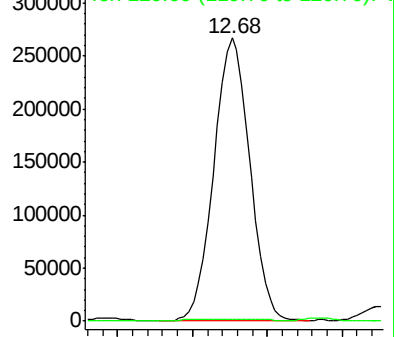
Ion Ratio Lower Upper

91 100

120 1.0 11.2 33.5#



Abundance Ion 91.00 (90.70 to 91.70): VN049617.D (-3422) (-)



#79

2-Chlorotoluene

Concen: 13.73 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049617.D

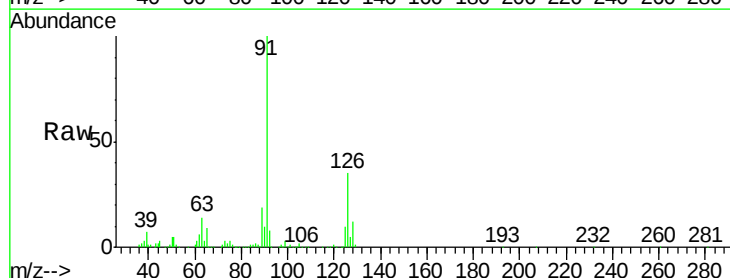
Acq: 29 Jun 2018 3:51

Tgt Ion: 91 Resp: 447602

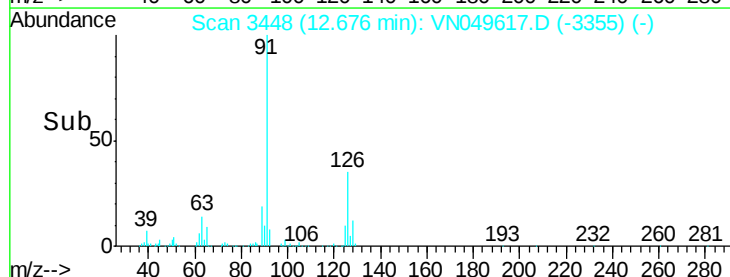
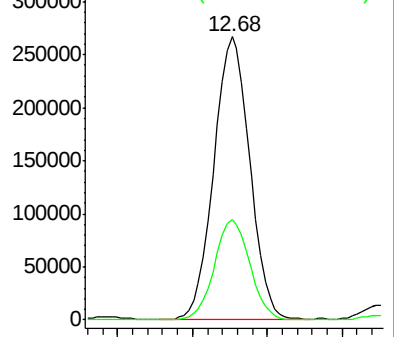
Ion Ratio Lower Upper

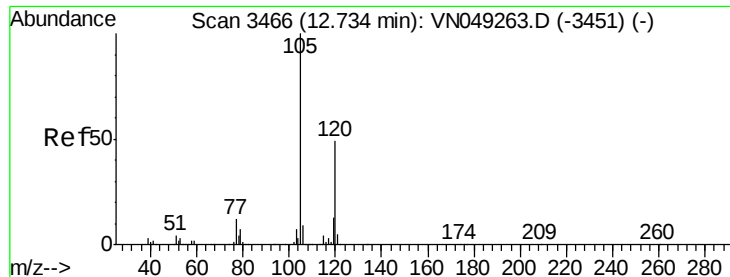
91 100

126 34.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049617.D (-3448) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.30 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

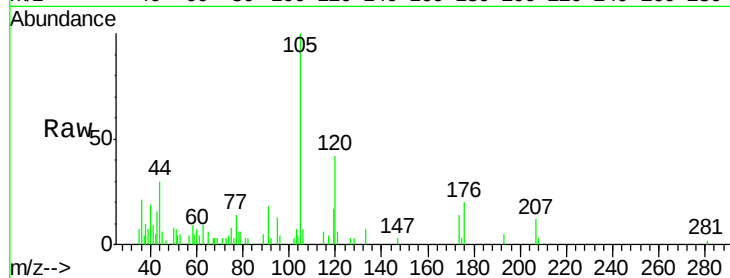
ClientSampleId :

Tot Ion:105 Resp: 11017

Ion Ratio Lower Upper

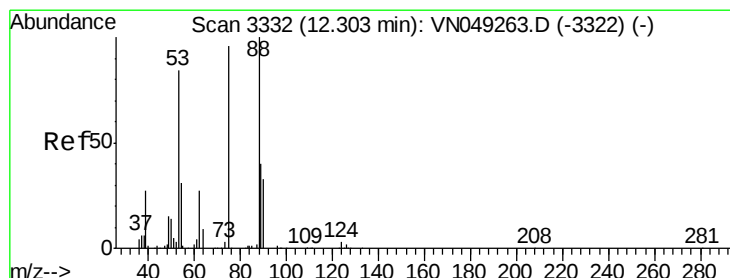
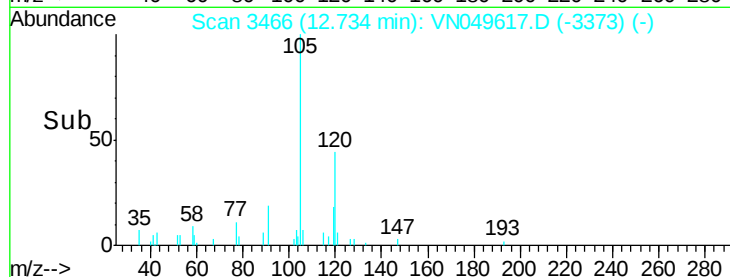
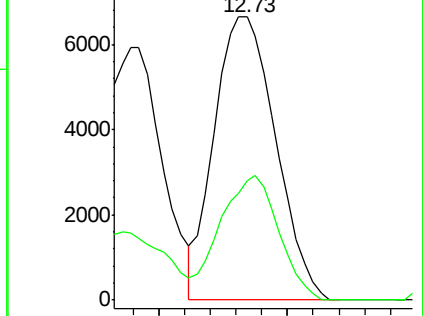
105 100

120 42.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

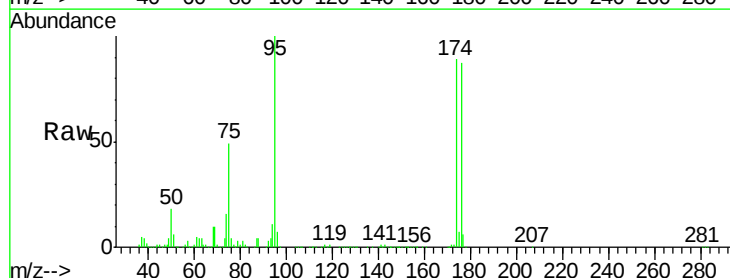
Tgt Ion: 75 Resp: 321848

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

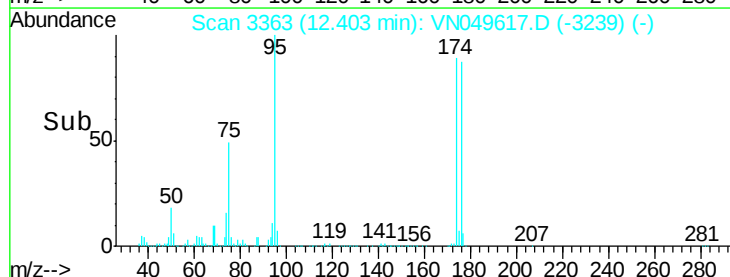
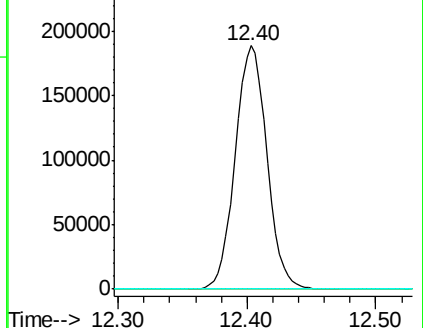
89 0.0 36.5 54.7#

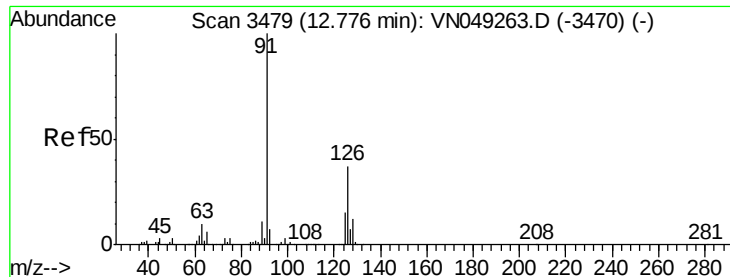


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.72 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

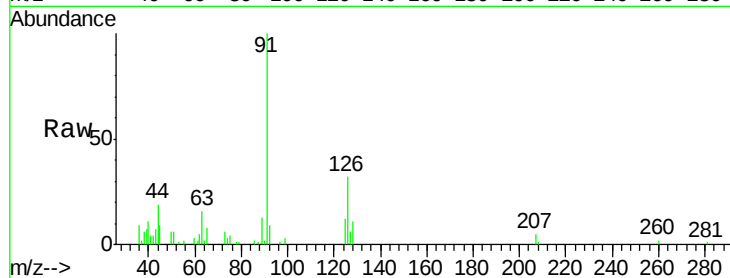
ClientSampleId :

Tot Ion: 91 Resp: 22770

Ion Ratio Lower Upper

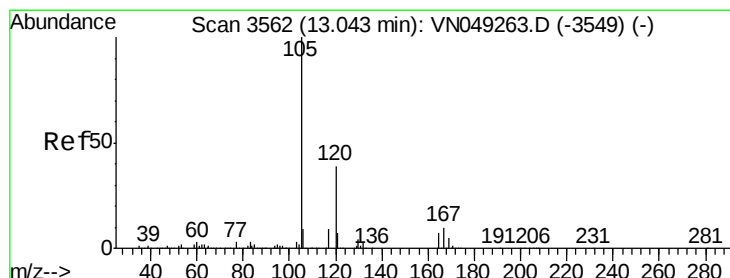
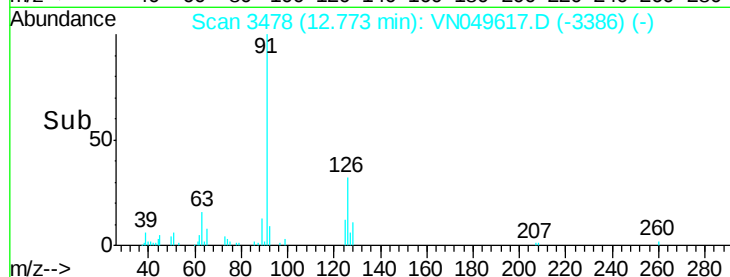
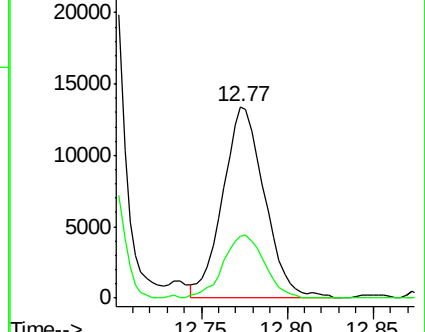
91 100

126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049617.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN049617.D (-3470) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.92 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049617.D

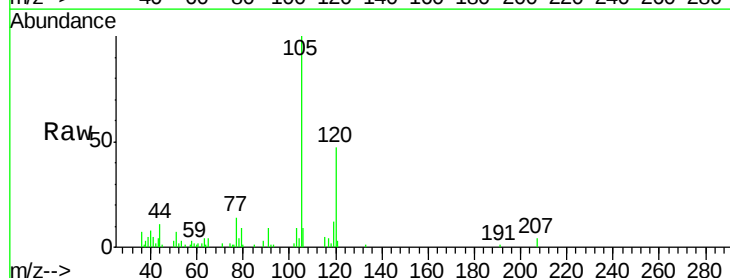
Acq: 29 Jun 2018 3:51

Tgt Ion: 105 Resp: 33554

Ion Ratio Lower Upper

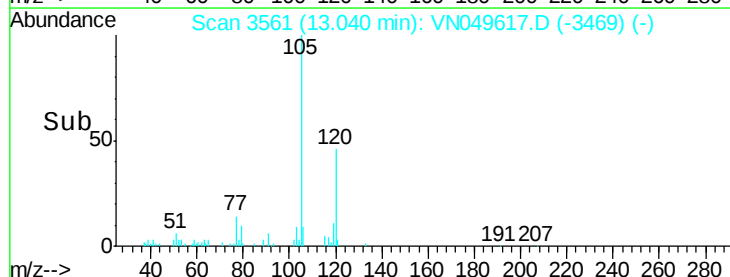
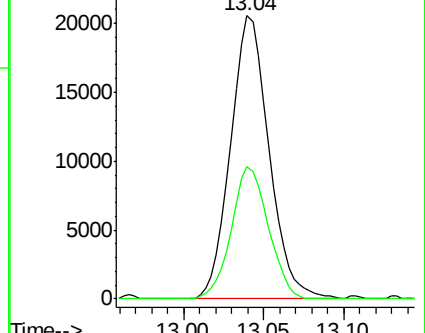
105 100

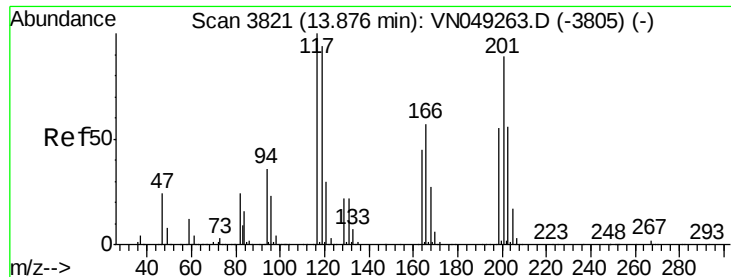
120 44.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049617.D (-3549) (-)

Ion 120.00 (119.70 to 120.70): VN049617.D (-3549) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

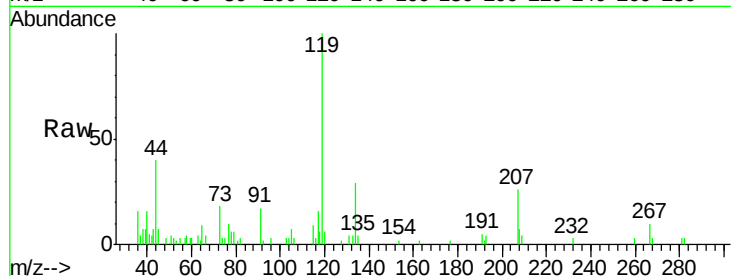
ClientSampled :

Tot Ion: 117 Resp: 1618

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

1200

1000

800

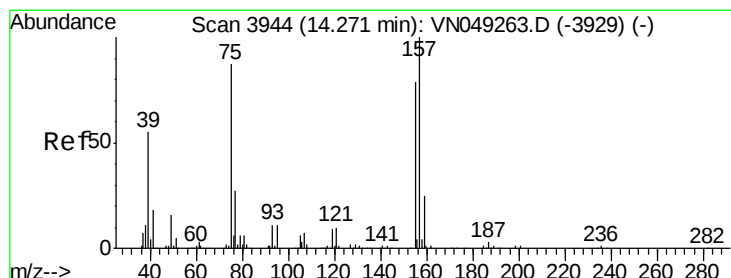
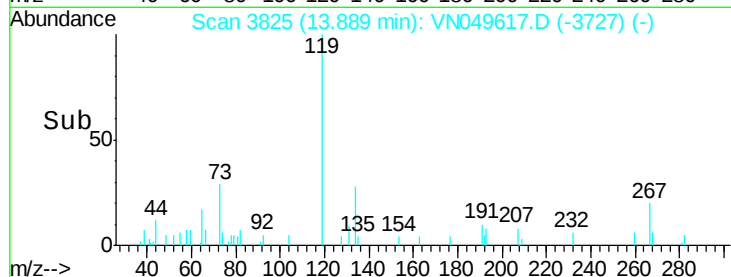
600

400

200

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

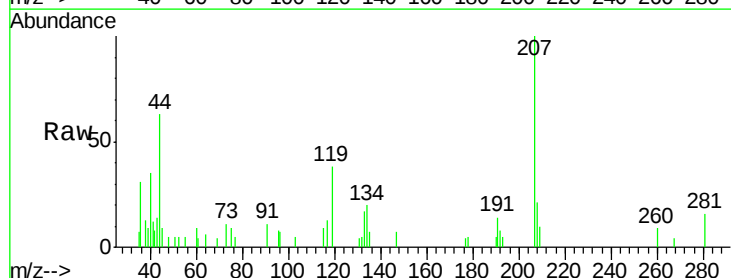
Tgt Ion: 75 Resp: 342

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#



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

400

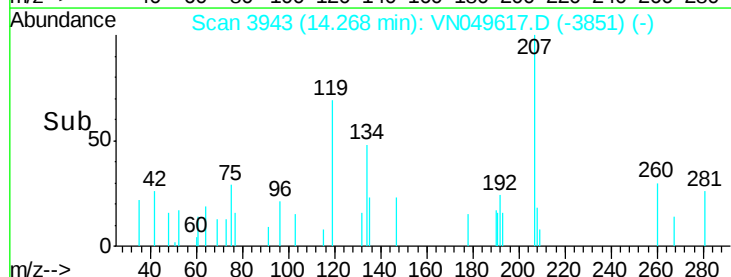
300

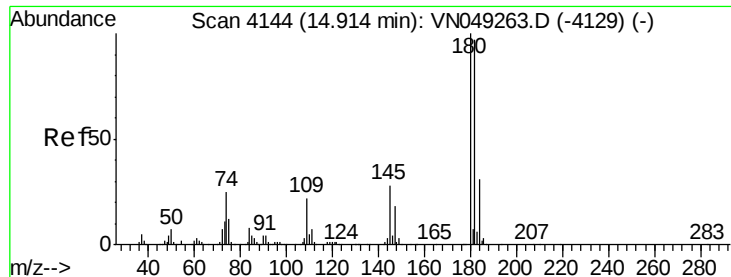
200

100

0

Time-->

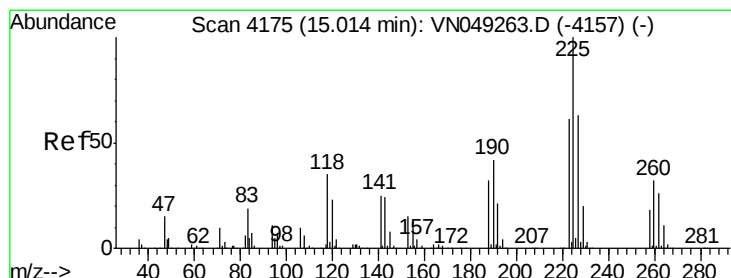
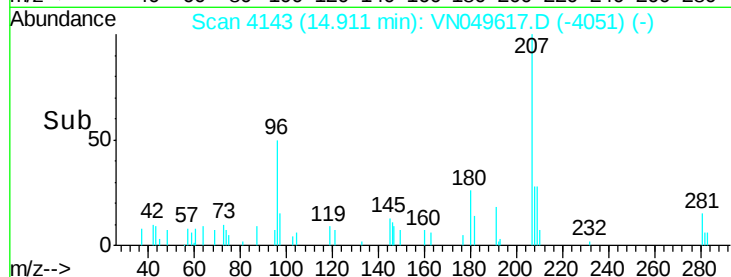
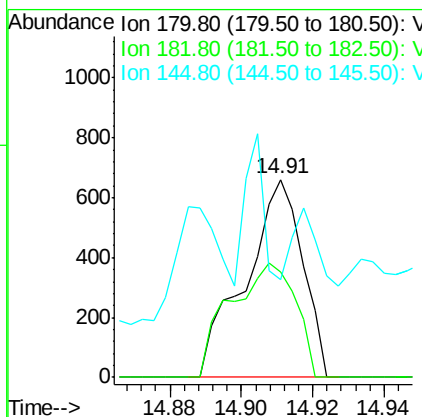
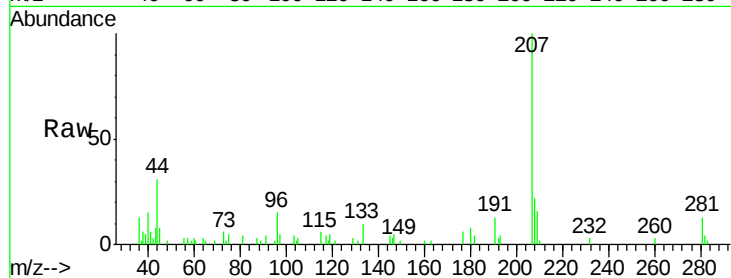




#93
 1,2,4-Trichlorobenzene
 Concen: 4.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049617.D
 Acq: 29 Jun 2018 3:51

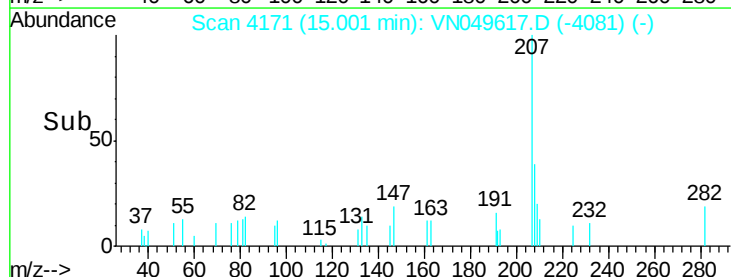
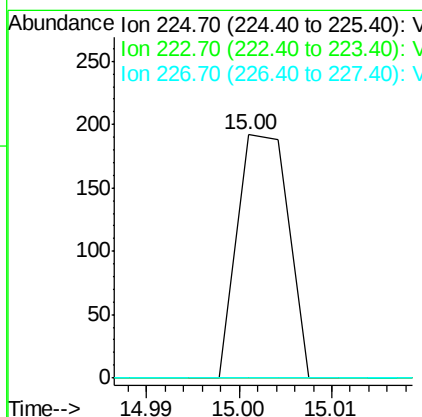
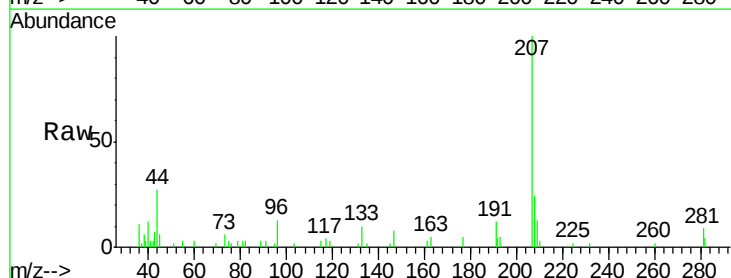
Instrument :
 MSVOA_N
 ClientSampled :

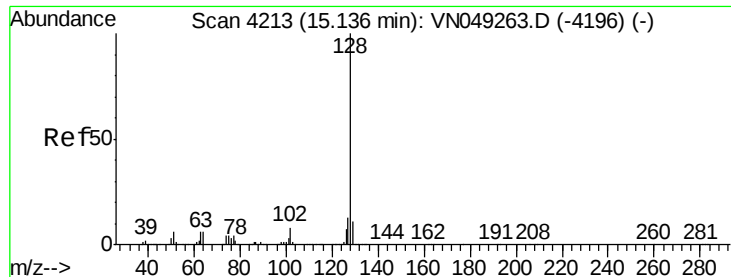
Tot Ion:180 Resp: 730
 Ion Ratio Lower Upper
 180 100
 182 66.2 46.9 140.8
 145 31.4 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4171
 Delta R.T. -0.01 min
 Lab File: VN049617.D
 Acq: 29 Jun 2018 3:51

Tgt Ion:225 Resp: 73
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 31.8 95.3#





#95

Naphthalene

Concen: 8.79 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

Instrument :

MSVOA_N

ClientSampleId :

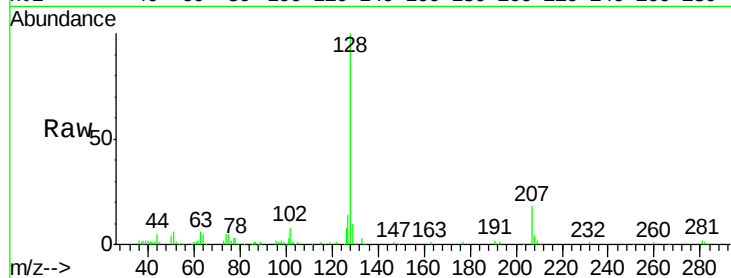
Tot Ion:128 Resp: 101125

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

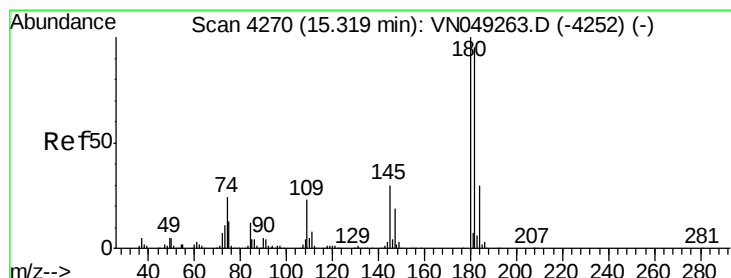
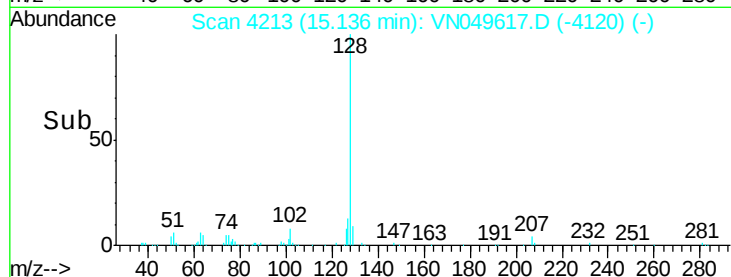
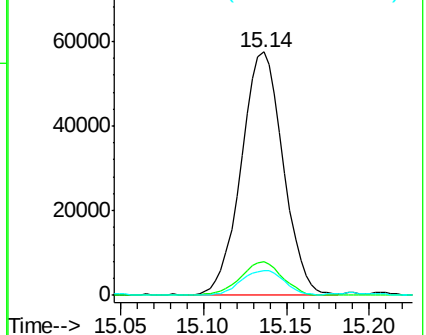
129 10.7 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 3.50 ug/l

RT: 15.31 min Scan# 4266

Delta R.T. -0.01 min

Lab File: VN049617.D

Acq: 29 Jun 2018 3:51

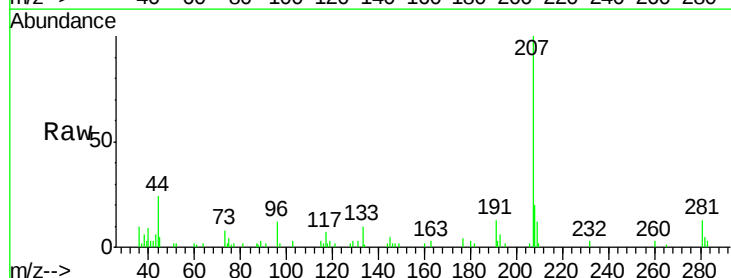
Tgt Ion:180 Resp: 391

Ion Ratio Lower Upper

180 100

182 107.2 47.3 141.8

145 0.0 15.6 46.7#



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

