

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049393.D
 Acq On : 19 Jun 2018 18:38
 Operator : MD\SY
 Sample : PB110363ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:32:33 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	1182551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1892617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1554149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450786	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	798403	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.59	113	693113	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
50) Toluene-d8	10.09	98	2540652	43.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.16%	
62) 4-Bromofluorobenzene	12.41	95	658656	34.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.34%	

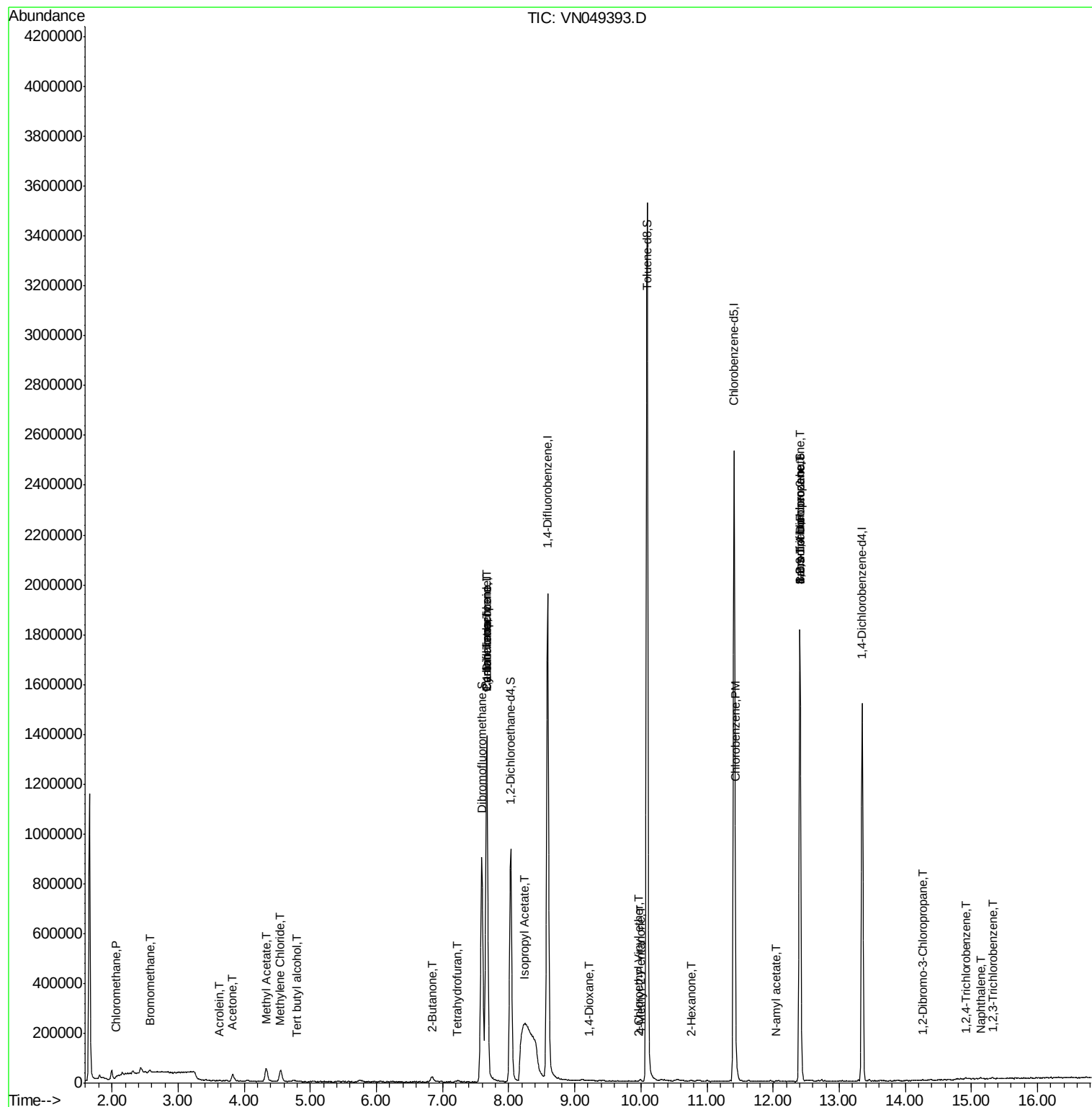
Target Compounds					Qvalue	
3) Chloromethane	2.06	50	3745	0.21	ug/l	90
5) Bromomethane	2.57	94	5749	0.59	ug/l #	64
11) Tert butyl alcohol	4.80	59	257	0.28	ug/l	99
13) Acrolein	3.61	56	439	0.45	ug/l	100
16) Acetone	3.83	43	47266	12.41	ug/l	98
18) Methyl Acetate	4.33	43	101632	8.75	ug/l	96
20) Methylene Chloride	4.55	84	33916	2.13	ug/l #	83
25) 2-Butanone	6.86	43	7947	1.55	ug/l	94
29) Tetrahydrofuran	7.22	42	3827	1.16	ug/l #	61
31) Cyclohexane	7.67	56	22323	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82960	3.82	ug/l #	50
38) Carbon Tetrachloride	7.67	117	109409	4.87	ug/l #	17
43) Isopropyl Acetate	8.23	43	259605	11.52	ug/l #	64
49) 1,4-Dioxane	9.21	88	122	0.83	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6404	0.54	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.96	63	61	14.34	ug/l #	51
59) 2-Hexanone	10.77	43	1887	0.25	ug/l	97
65) Chlorobenzene	11.44	112	22200	0.55	ug/l	97
71) Bromoform	12.40	173	4746	0.49	ug/l #	1
74) N-amyl acetate	12.05	43	2554	0.26	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.50	83	282	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.41	75	321821	41.84	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	321821	132.24	ug/l #	9
90) Hexachloroethane	14.07	117	29	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	762	0.55	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1463	4.91	ug/l	95
94) Hexachlorobutadiene	15.01	225	332	Below	Cal #	66
95) Naphthalene	15.14	128	3665	2.37	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	1697	3.67	ug/l	90

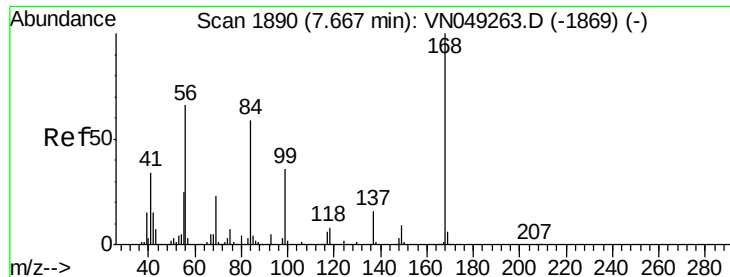
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
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Quant Time: Jun 20 04:32:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

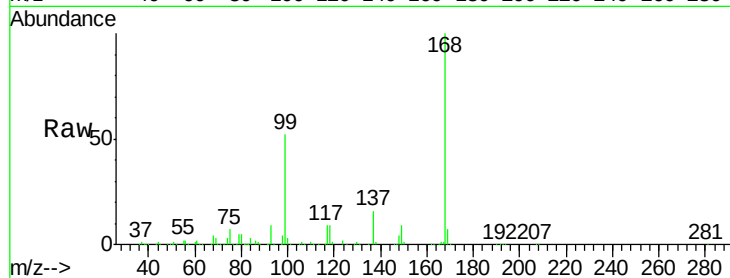
ClientSampleId :

Tot Ion:168 Resp: 1182551

Ion Ratio Lower Upper

168 100

99 51.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

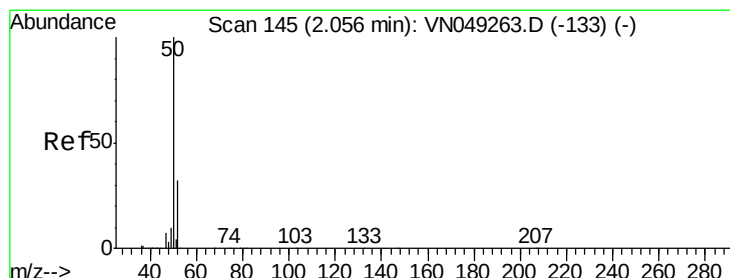
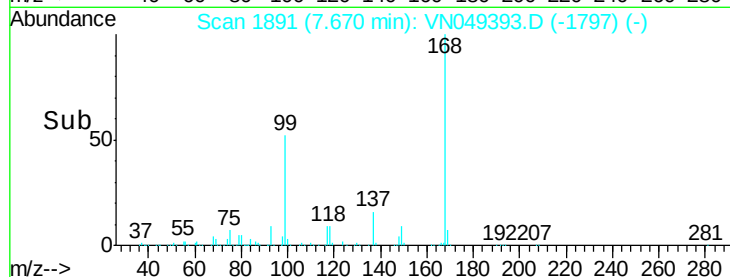
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049393.D

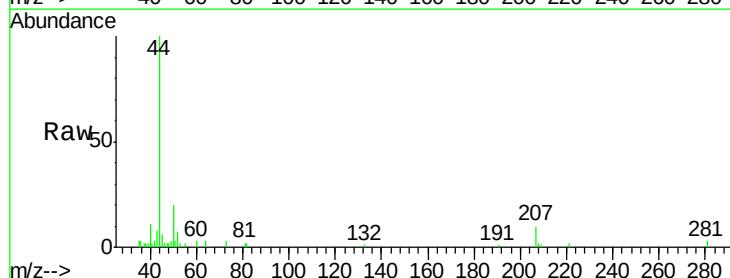
Acq: 19 Jun 2018 18:38

Tgt Ion: 50 Resp: 3745

Ion Ratio Lower Upper

50 100

52 36.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

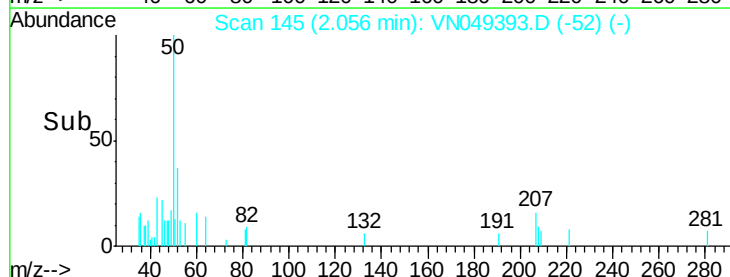
1500

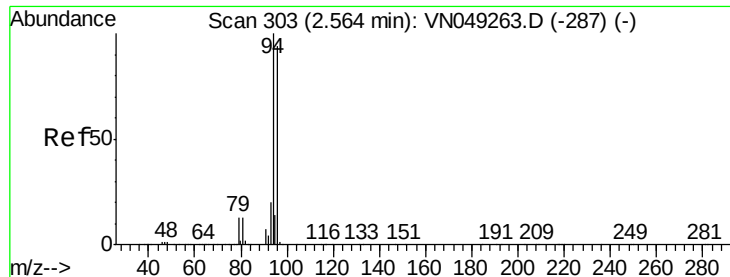
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.59 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

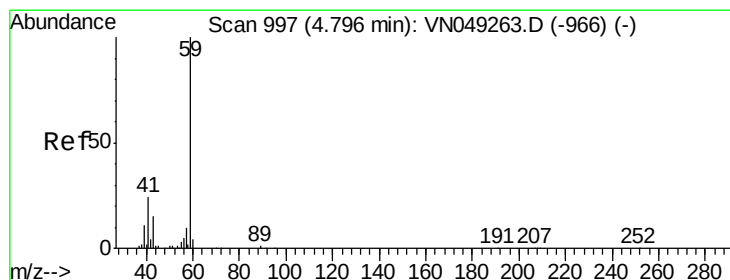
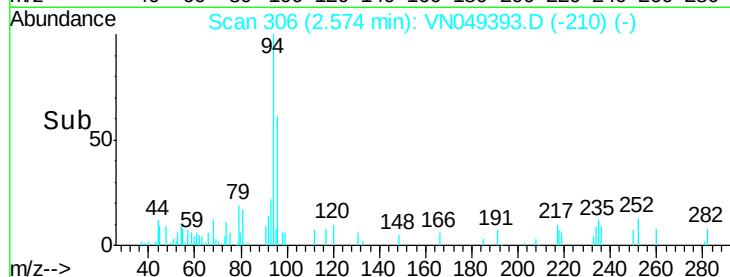
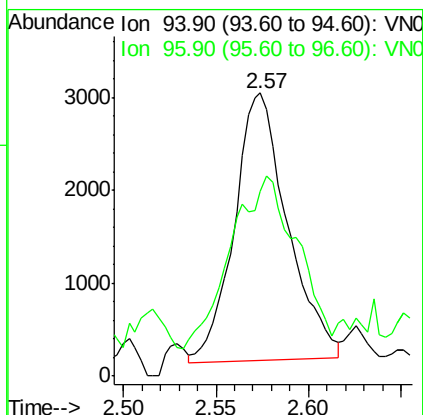
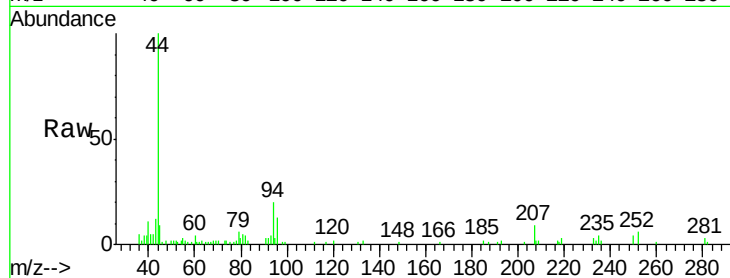
ClientSampled :

Tot Ion: 94 Resp: 5749

Ion Ratio Lower Upper

94 100

96 56.7 72.8 109.2#



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN049393.D

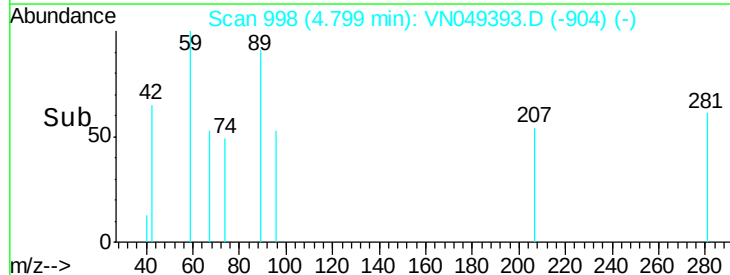
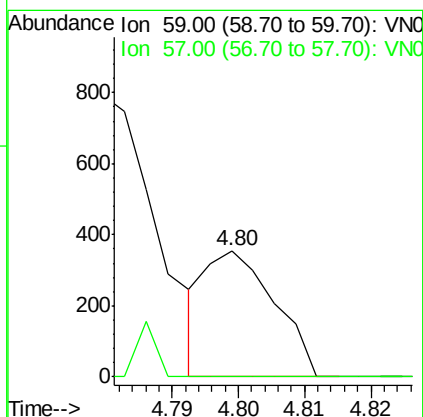
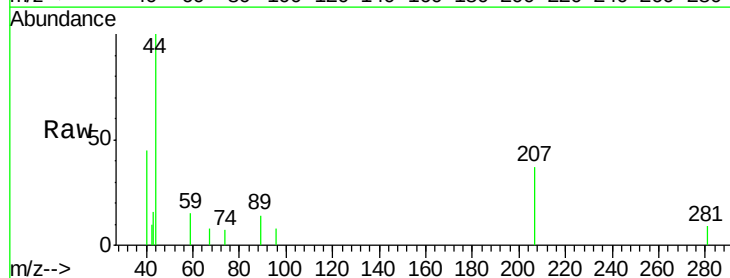
Acq: 19 Jun 2018 18:38

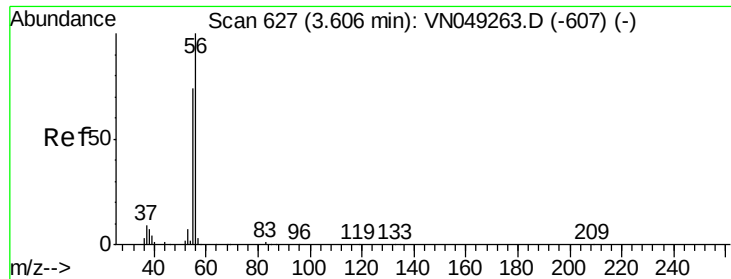
Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

59 100

57 11.7 9.0 13.6





#13

Acrolein

Concen: 0.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

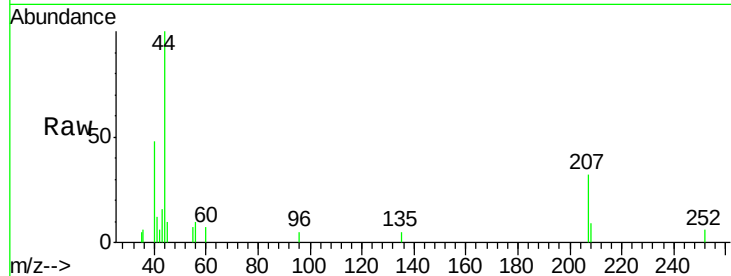
ClientSampleId :

Tot Ion: 56 Resp: 439

Ion Ratio Lower Upper

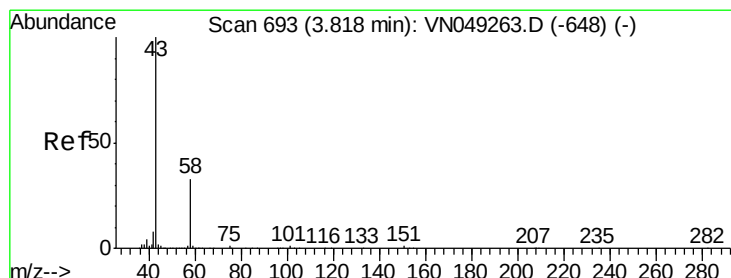
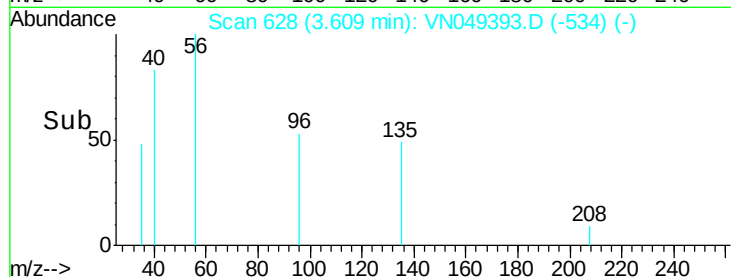
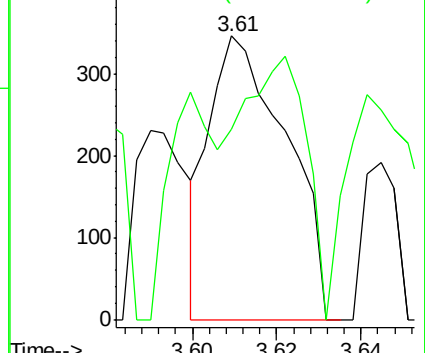
56 100

55 71.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 12.41 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049393.D

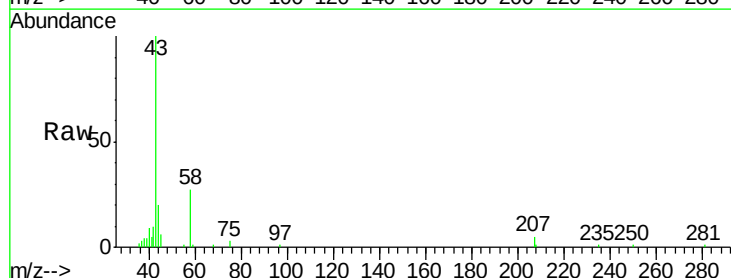
Acq: 19 Jun 2018 18:38

Tgt Ion: 43 Resp: 47266

Ion Ratio Lower Upper

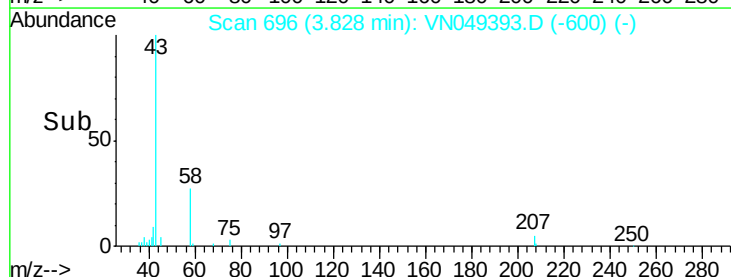
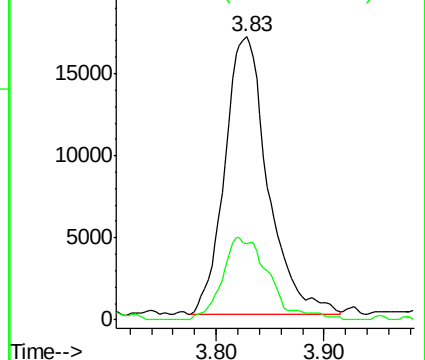
43 100

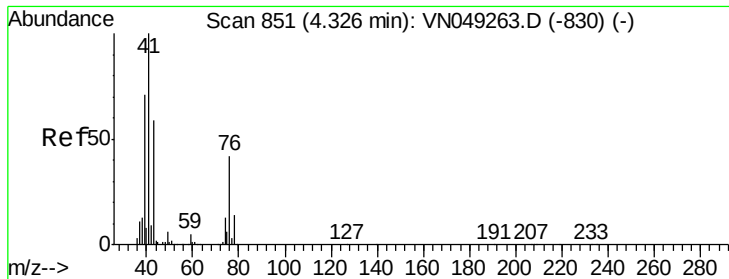
58 27.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

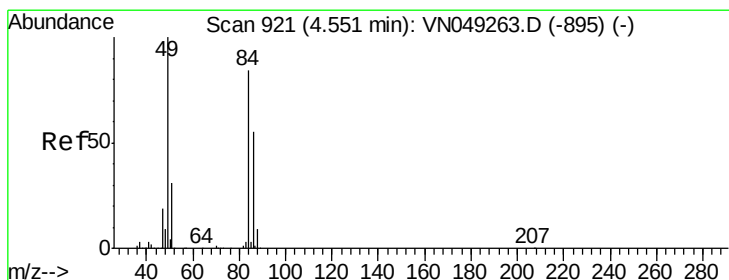
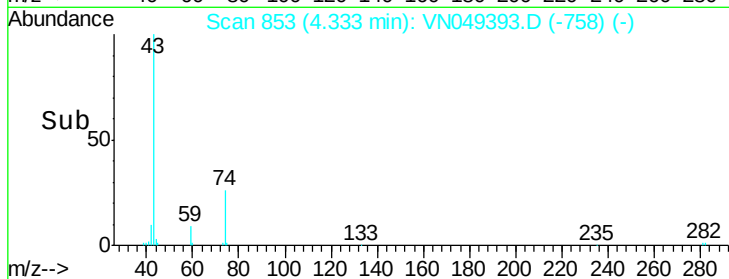
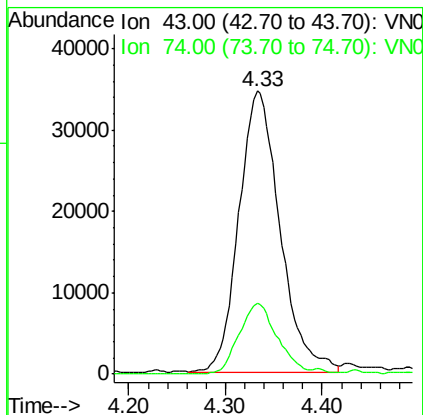
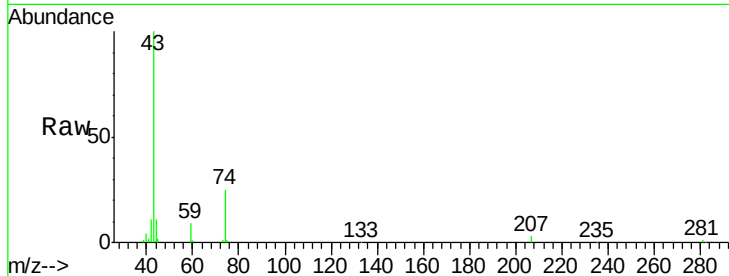




#18
Methvl Acetate
Concen: 8.75 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049393.D
Acq: 19 Jun 2018 18:38

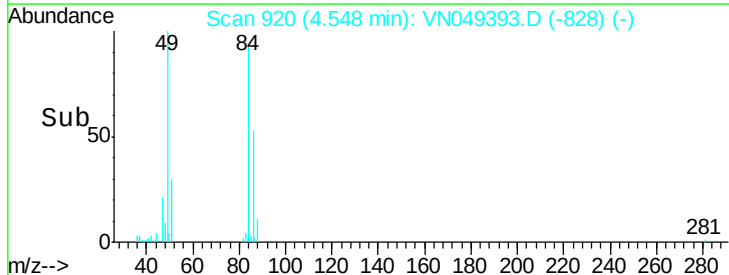
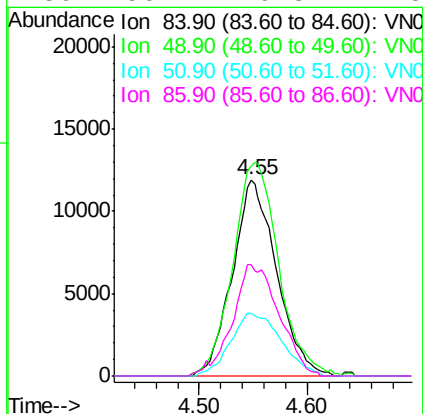
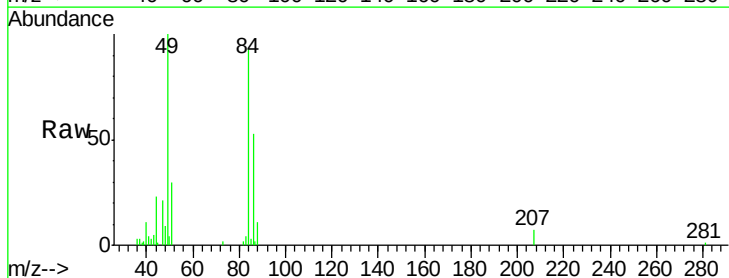
Instrument :
MSVOA_N
ClientSampleId :

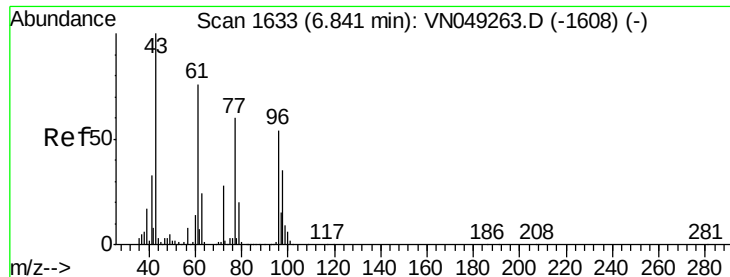
Tot Ion: 43 Resp: 101632
Ion Ratio Lower Upper
43 100
74 23.5 17.4 26.0



#20
Methylene Chloride
Concen: 2.13 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049393.D
Acq: 19 Jun 2018 18:38

Tgt Ion: 84 Resp: 33916
Ion Ratio Lower Upper
84 100
49 107.3 106.9 160.3
51 32.0 32.7 49.1#
86 56.7 49.8 74.8

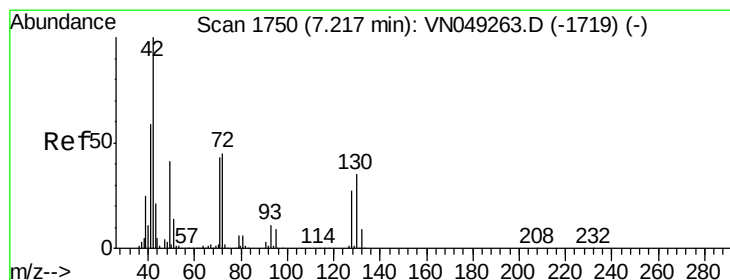
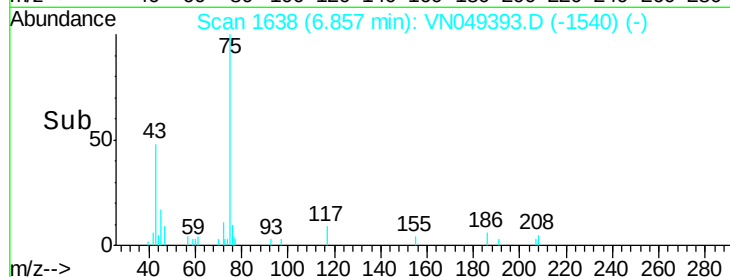
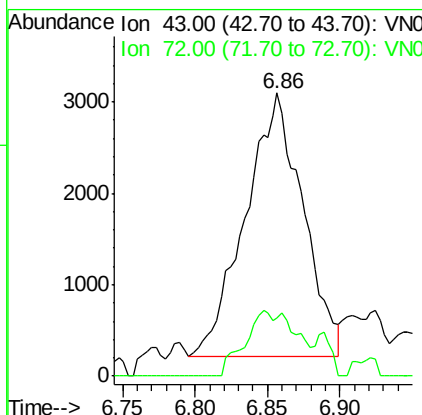
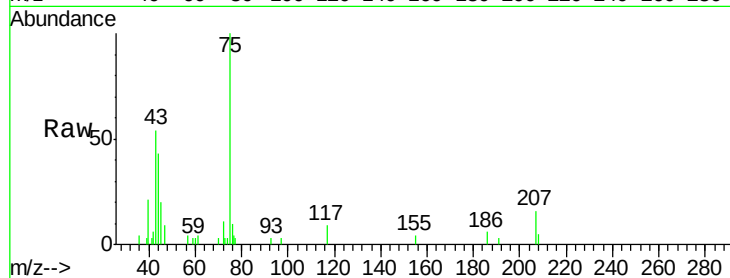




#25
2-Butanone
Concen: 1.55 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049393.D
Acq: 19 Jun 2018 18:38

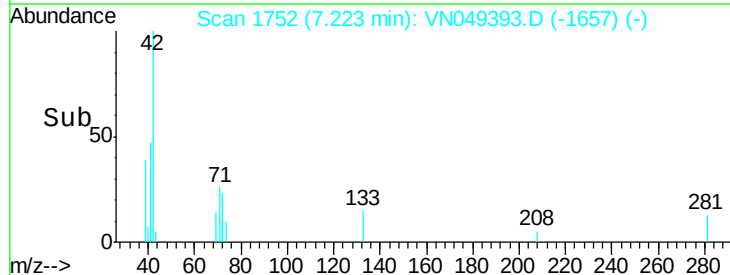
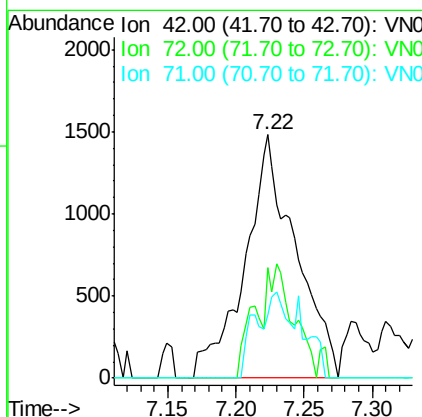
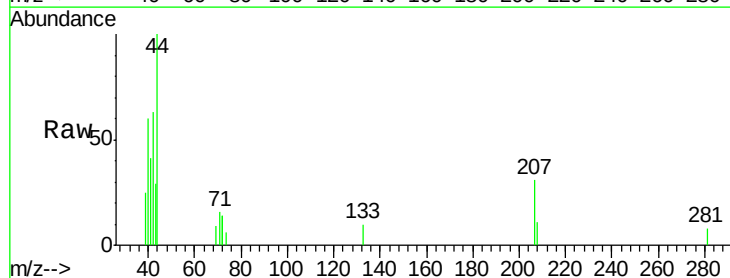
Instrument :
MSVOA_N
ClientSampled :

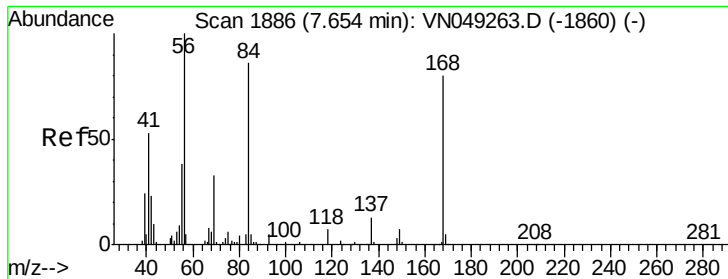
Tot Ion: 43 Resp: 7947
Ion Ratio Lower Upper
43 100
72 22.0 20.2 30.2



#29
Tetrahydrofuran
Concen: 1.16 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049393.D
Acq: 19 Jun 2018 18:38

Tgt Ion: 42 Resp: 3827
Ion Ratio Lower Upper
42 100
72 23.8 32.2 48.4#
71 6.7 30.5 45.7#





#31

Cyclohexane

Concen: 0.79 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :
MSVOA_N
ClientSampled :

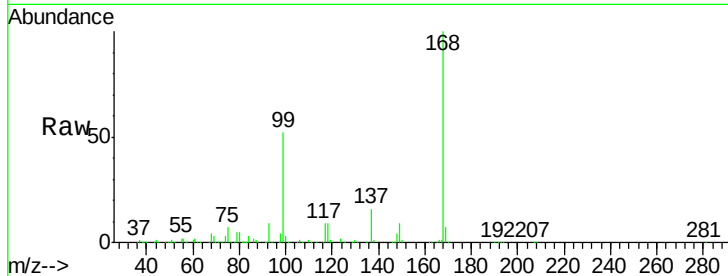
Tot Ion: 56 Resp: 22323

Ion Ratio Lower Upper

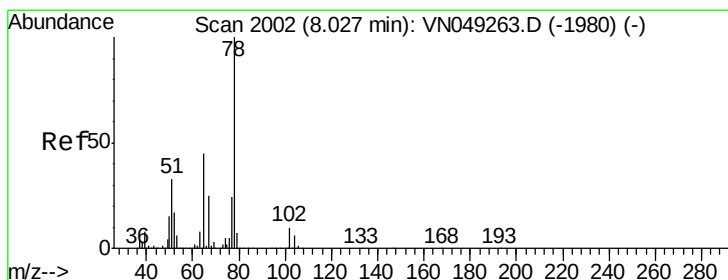
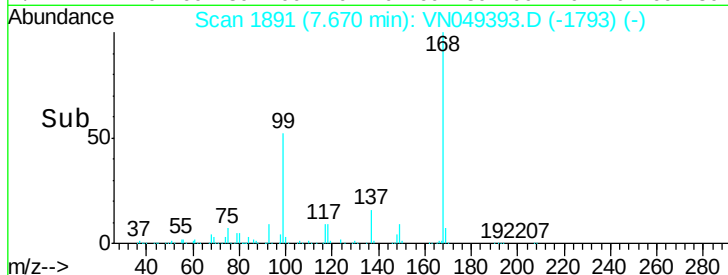
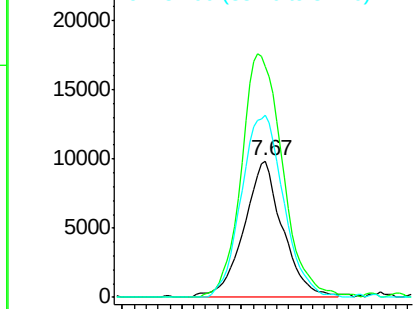
56 100

69 169.7 25.0 37.4#

84 133.4 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: 50.90 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049393.D

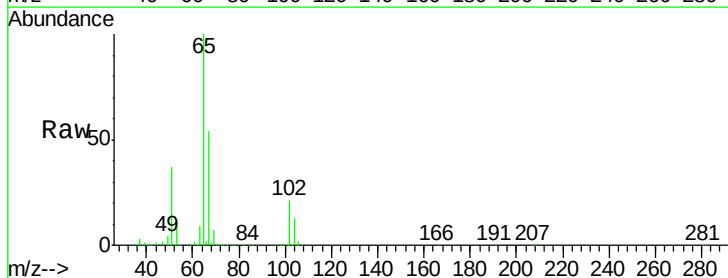
Acq: 19 Jun 2018 18:38

Tgt Ion: 65 Resp: 798403

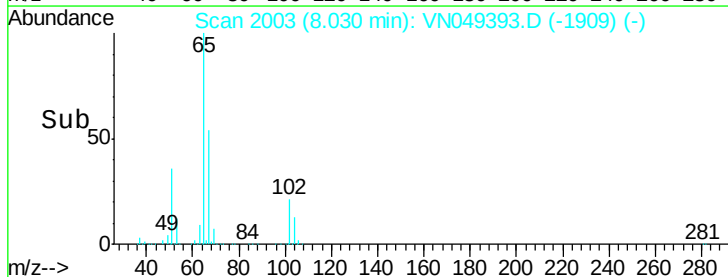
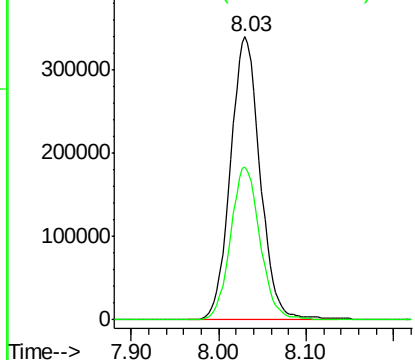
Ion Ratio Lower Upper

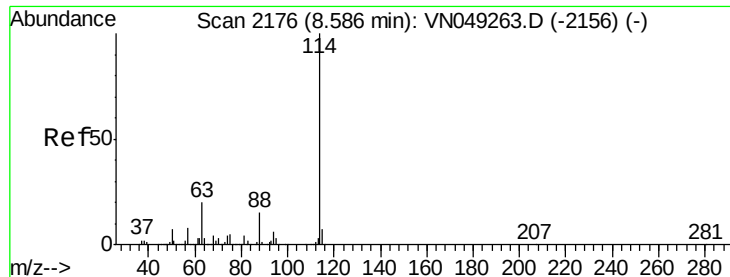
65 100

67 53.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

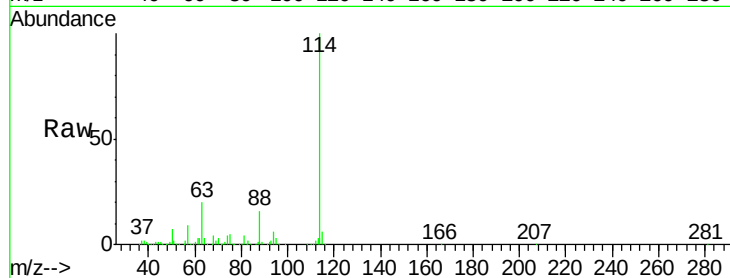




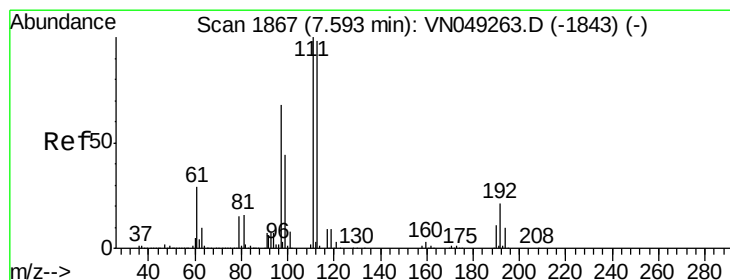
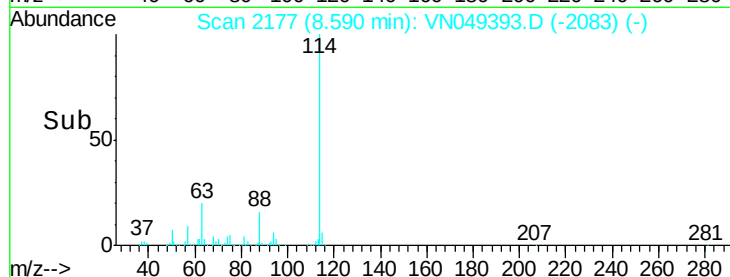
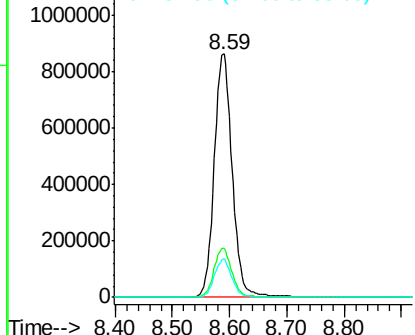
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049393.D
 Acq: 19 Jun 2018 18:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1892617
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.8 0.0 31.4

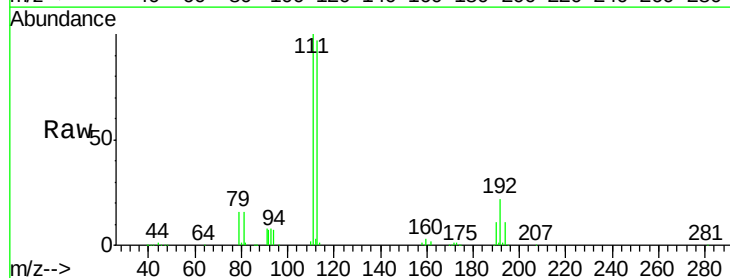


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

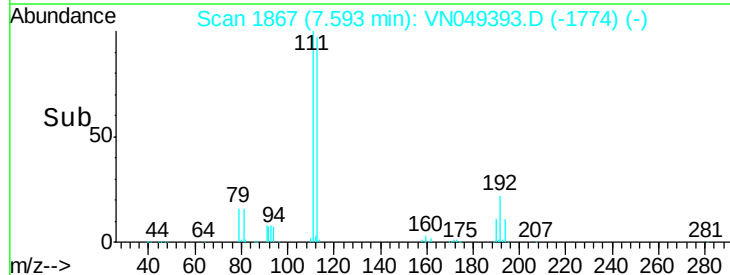
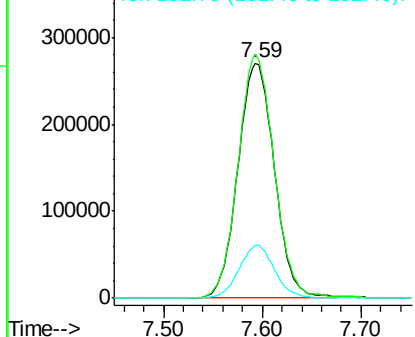


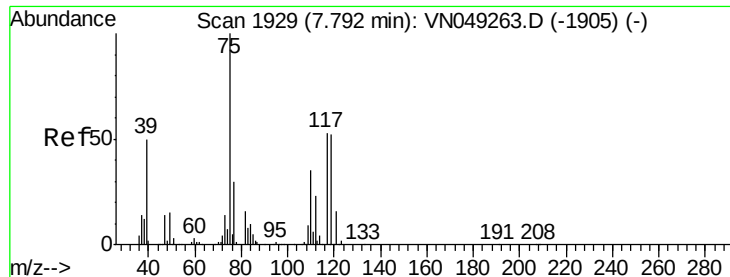
#35
 Dibromofluoromethane
 Concen: 45.27 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049393.D
 Acq: 19 Jun 2018 18:38

Tgt Ion:113 Resp: 693113
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 21.8 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: 3.82 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

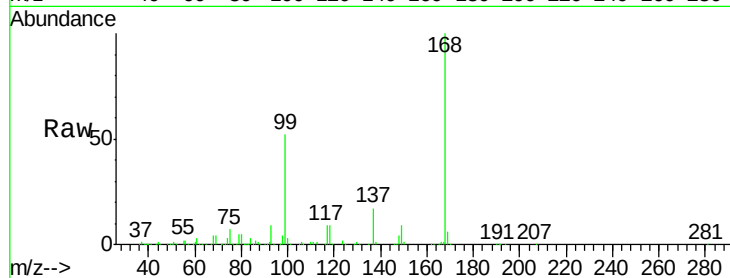
Tot Ion: 75 Resp: 82960

Ion Ratio Lower Upper

75 100

110 8.1 17.0 50.9#

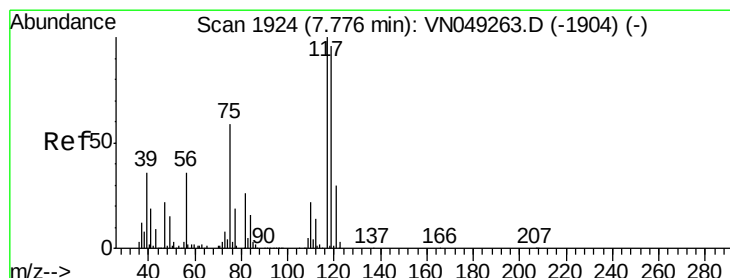
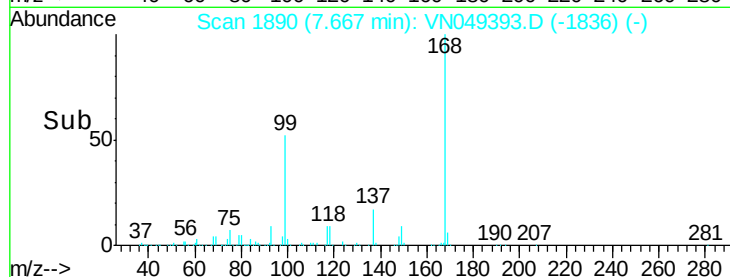
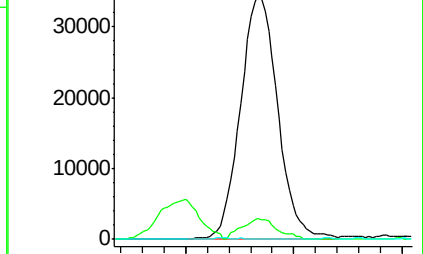
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049393.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049393.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049393.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

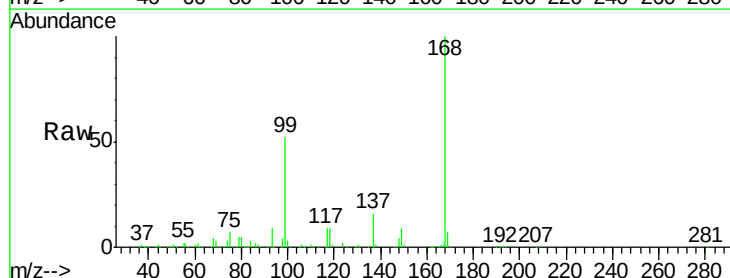
Tgt Ion: 117 Resp: 109409

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

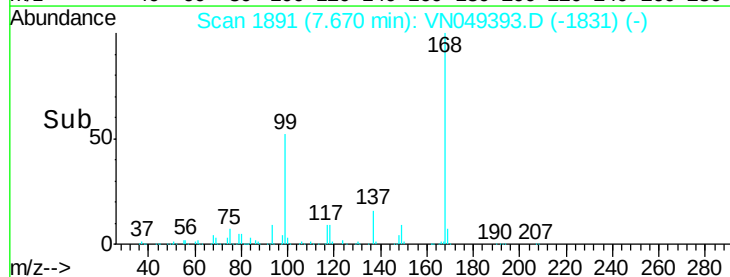
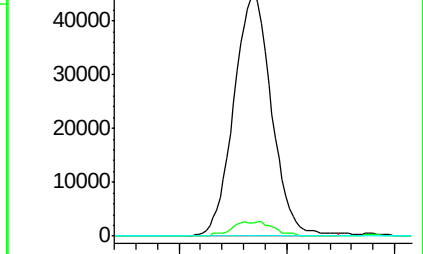
121 0.0 24.7 37.1#

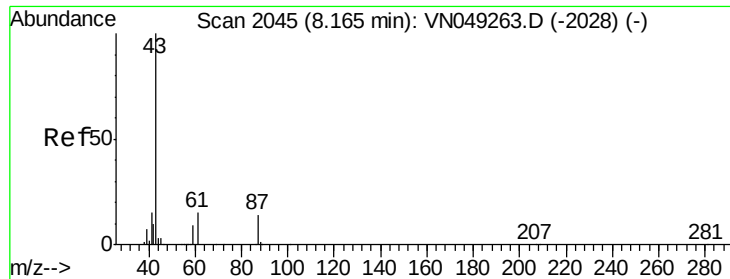


Abundance Ion 116.80 (116.50 to 117.50): VN049393.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049393.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049393.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 11.52 ug/l

RT: 8.23 min Scan# 2064

Delta R.T. 0.06 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampled :

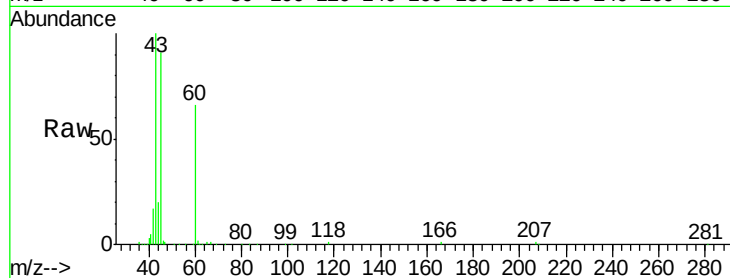
Tot Ion: 43 Resp: 259605

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

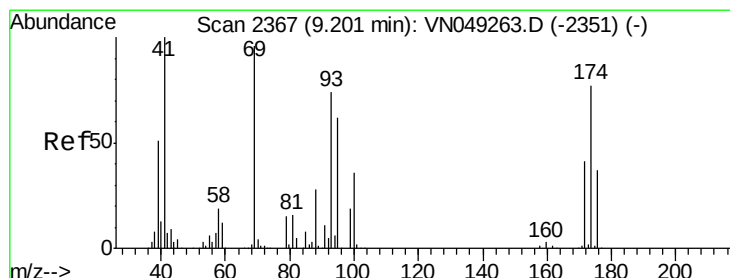
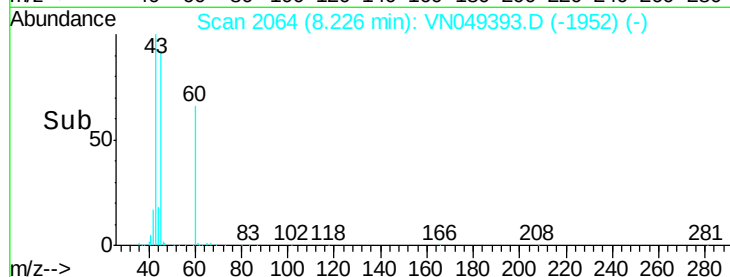
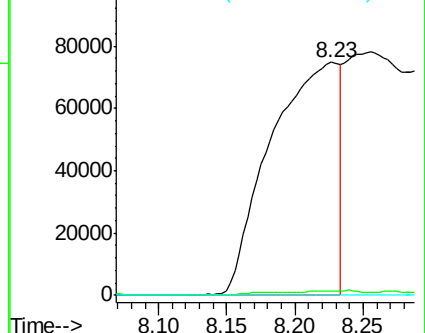
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049393.D (-2064) (-)

Ion 61.00 (60.70 to 61.70): VN049393.D (-2064) (-)

Ion 87.00 (86.70 to 87.70): VN049393.D (-2064) (-)



#49

1,4-Dioxane

Concen: 0.83 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.01 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

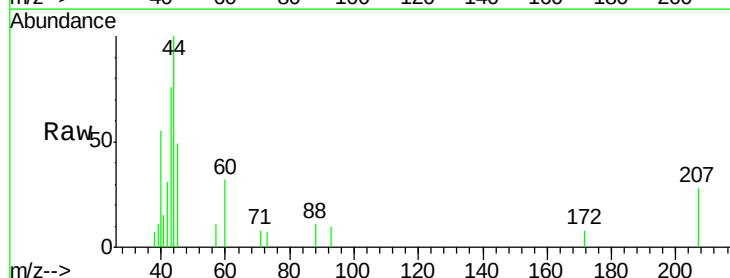
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 132.0 30.9 46.3#

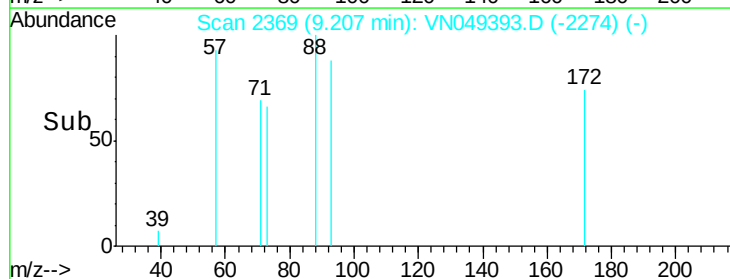
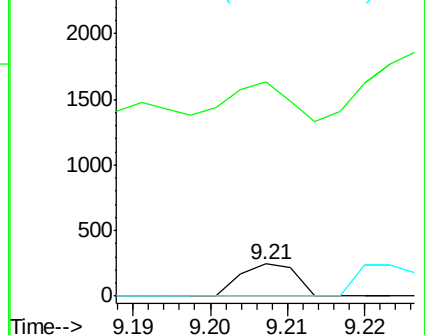
58 0.0 58.9 88.3#

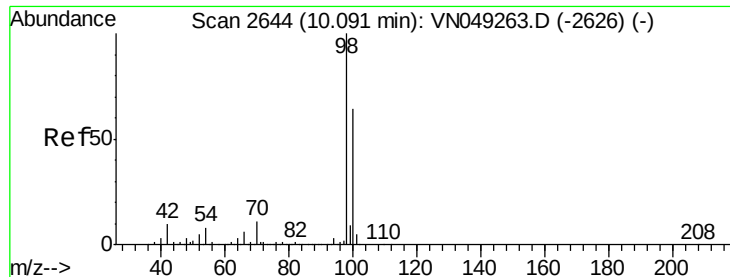


Abundance Ion 88.00 (87.70 to 88.70): VN049393.D (-2369) (-)

Ion 43.00 (42.70 to 43.70): VN049393.D (-2369) (-)

Ion 58.00 (57.70 to 58.70): VN049393.D (-2369) (-)





#50

Toluene-d8

Concen: 43.58 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

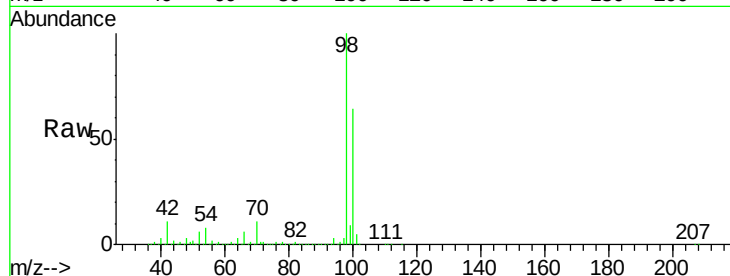
ClientSampled :

Tot Ion: 98 Resp: 2540652

Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

10.09

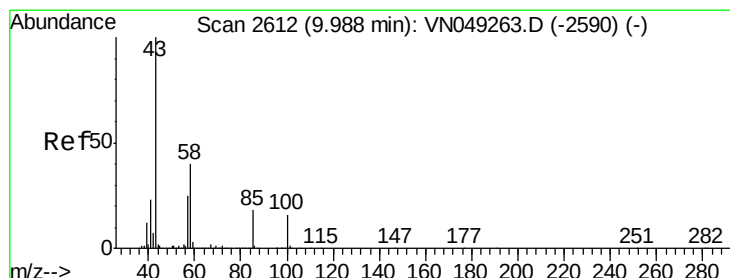
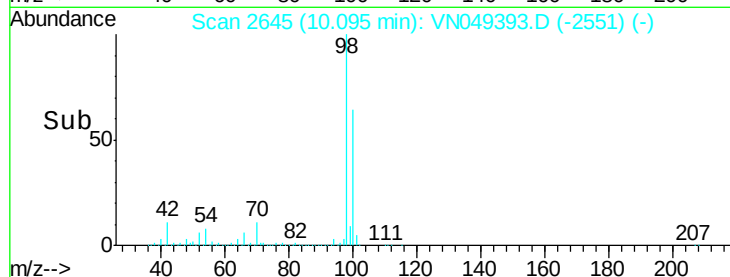
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.54 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049393.D

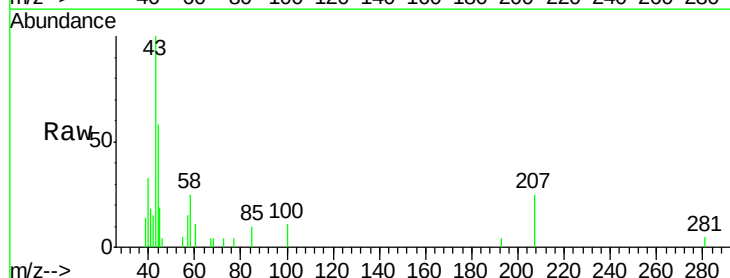
Acq: 19 Jun 2018 18:38

Tgt Ion: 43 Resp: 6404

Ion Ratio Lower Upper

43 100

58 33.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

5000

4000

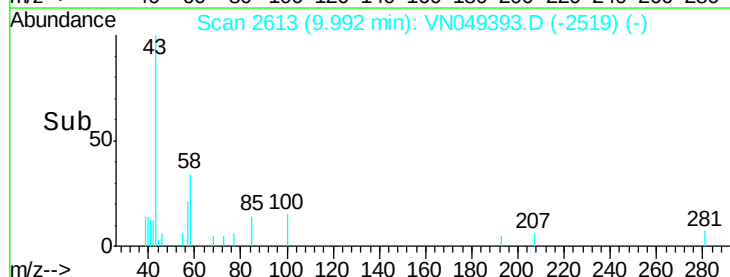
3000

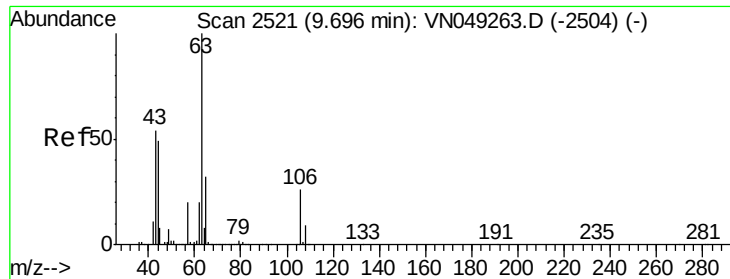
2000

1000

0

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.96 min Scan# 2604

Delta R.T. 0.27 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

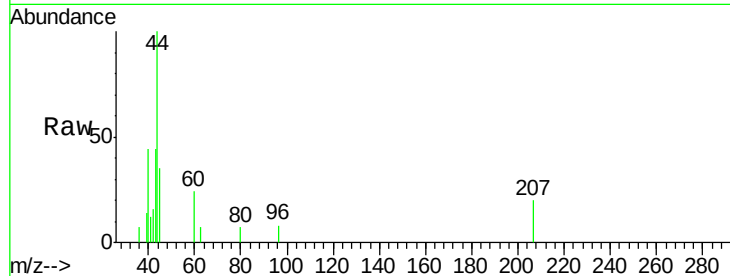
ClientSampleId :

Tot Ion: 63 Resp: 61

Ion Ratio Lower Upper

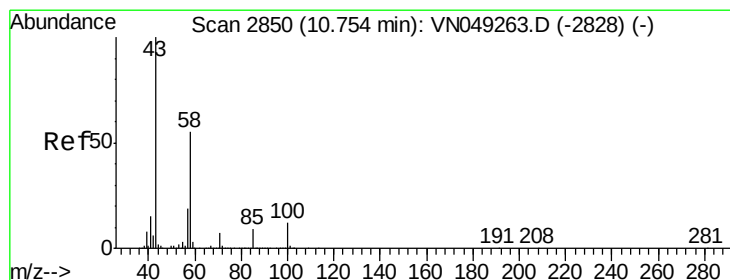
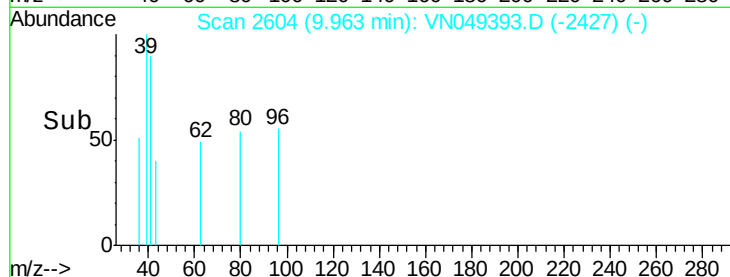
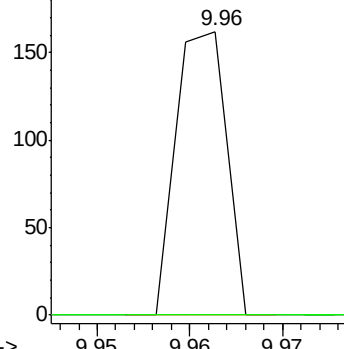
63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 0.25 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049393.D

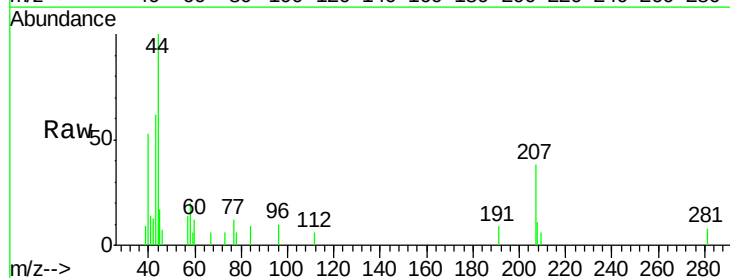
Acq: 19 Jun 2018 18:38

Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

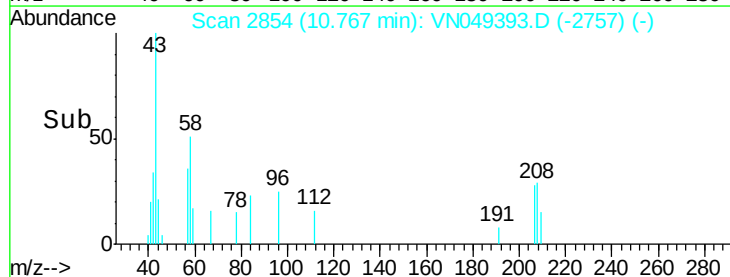
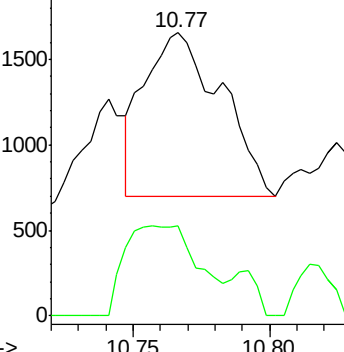
43 100

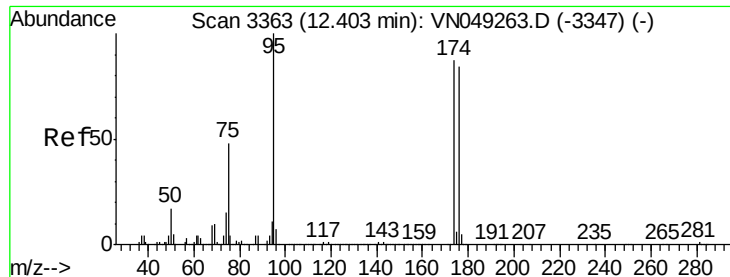
58 52.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 34.17 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

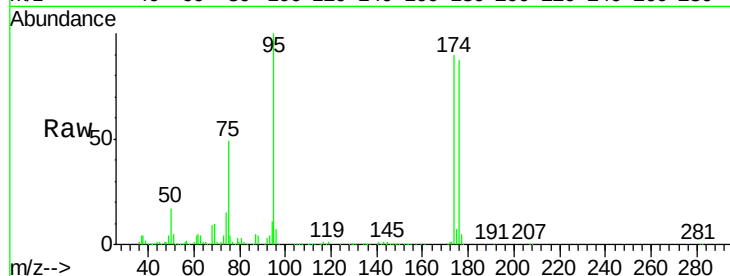
Tot Ion: 95 Resp: 658656

Ion Ratio Lower Upper

95 100

174 89.7 0.0 165.6

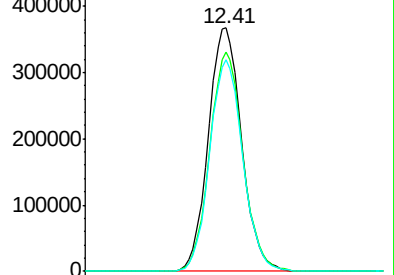
176 86.3 0.0 157.4



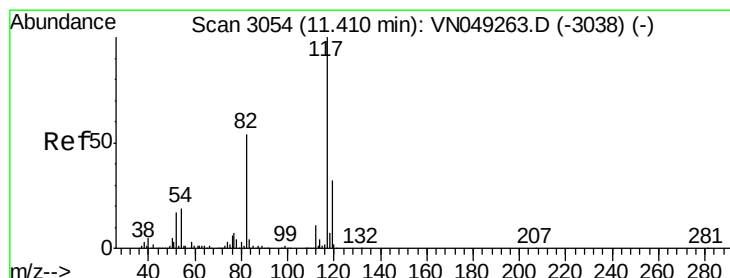
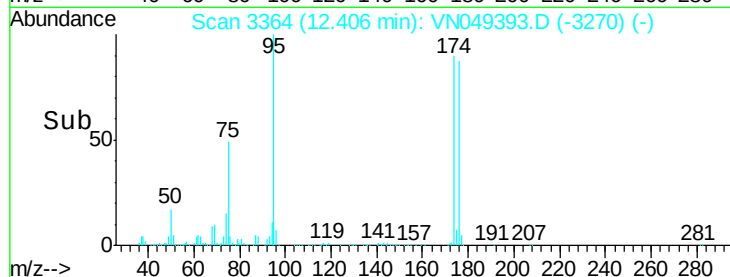
Abundance Ion 94.90 (94.60 to 95.60): VN049393.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049393.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049393.D (-3347) (-)



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: VN049393.D

Acq: 19 Jun 2018 18:38

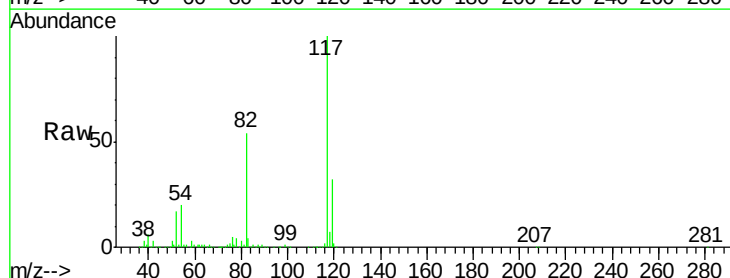
Tgt Ion: 117 Resp: 1554149

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

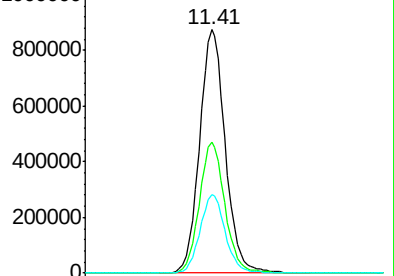
119 32.2 25.5 38.3



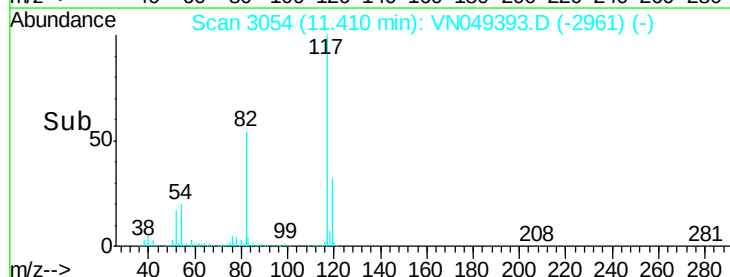
Abundance Ion 116.90 (116.60 to 117.60): VN049393.D (-3038) (-)

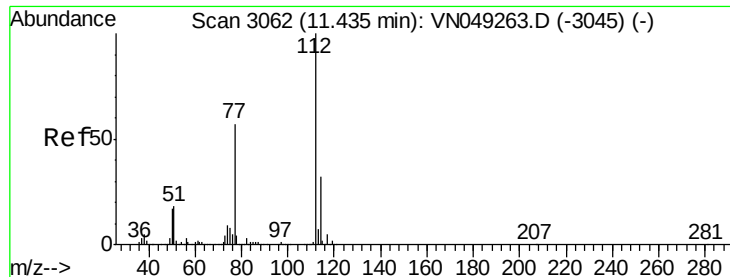
Ion 82.00 (81.70 to 82.70): VN049393.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049393.D (-3038) (-)



Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 0.55 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

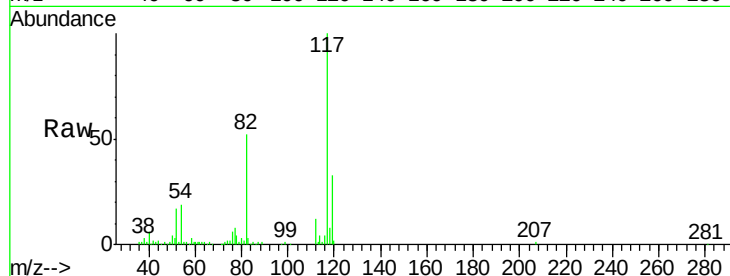
ClientSampleId :

Tot Ion:112 Resp: 22200

Ion Ratio Lower Upper

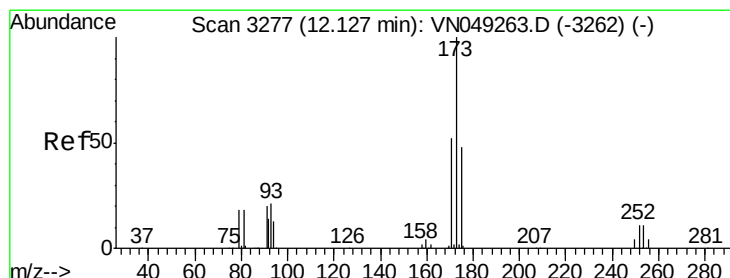
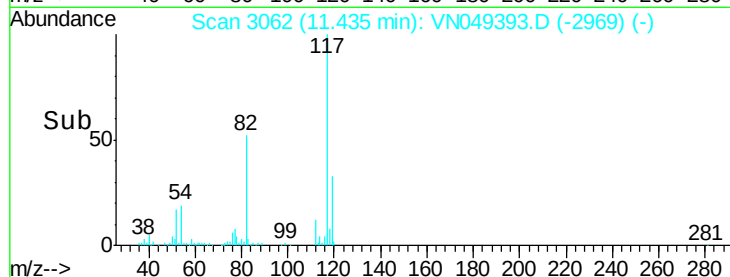
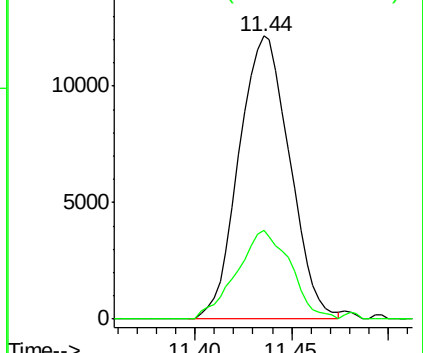
112 100

114 31.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 0.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

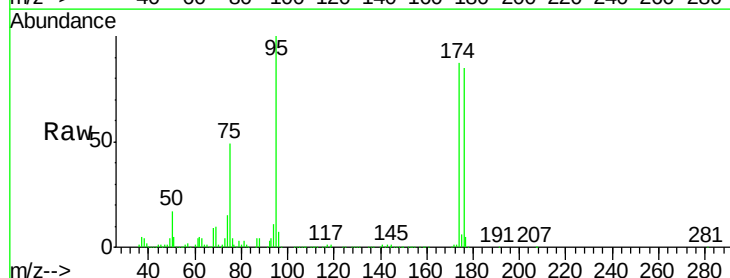
Tgt Ion:173 Resp: 4746

Ion Ratio Lower Upper

173 100

175 662.8 24.5 73.5#

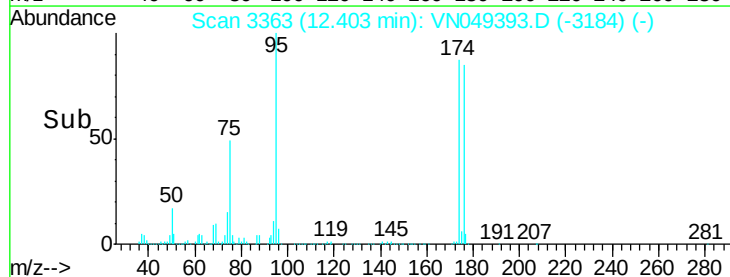
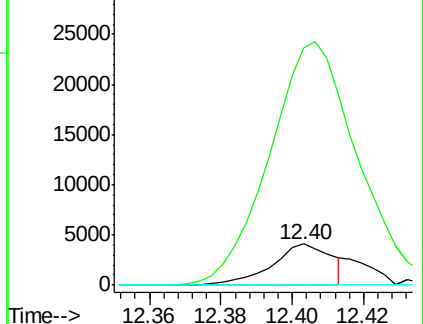
254 0.0 0.1 0.1#

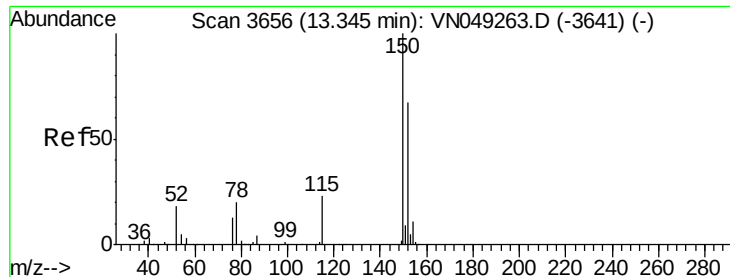


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

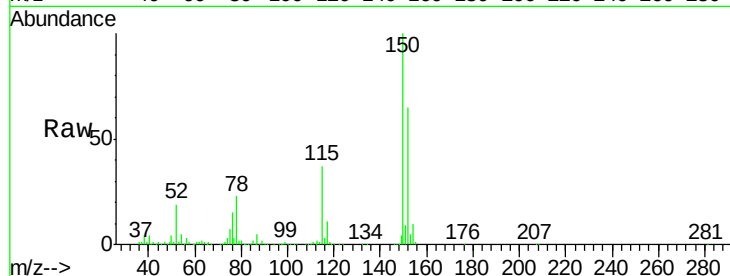
Tot Ion:152 Resp: 450786

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.1

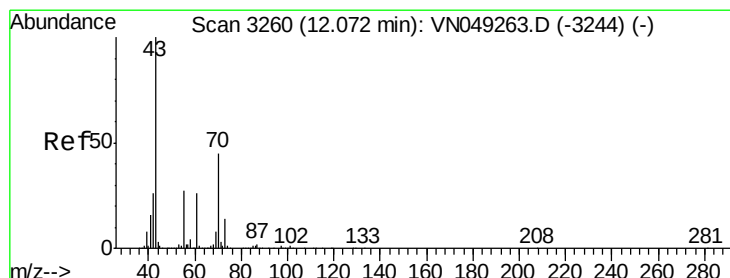
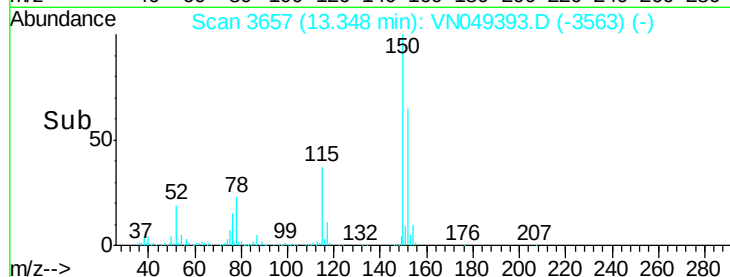
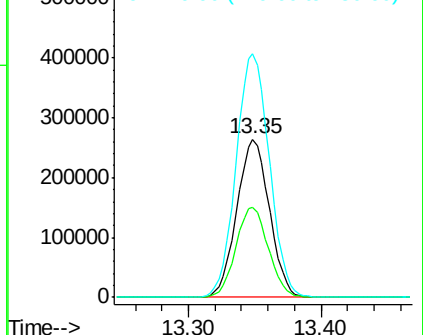
150 157.3 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.26 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Tgt Ion: 43 Resp: 2554

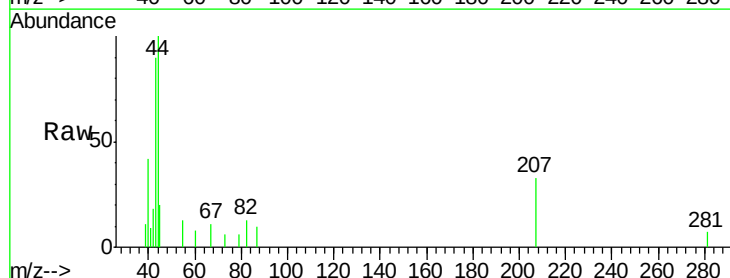
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 17.7 19.4 29.2#

61 0.0 17.8 26.6#

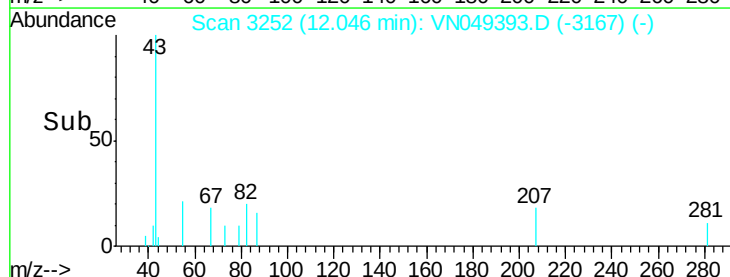
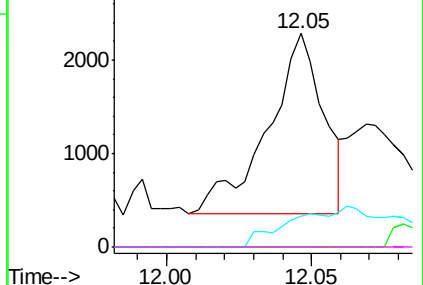


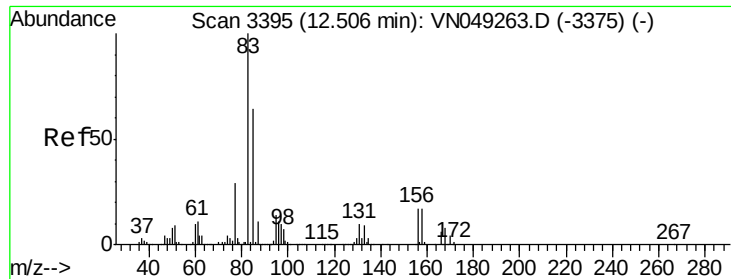
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampled :

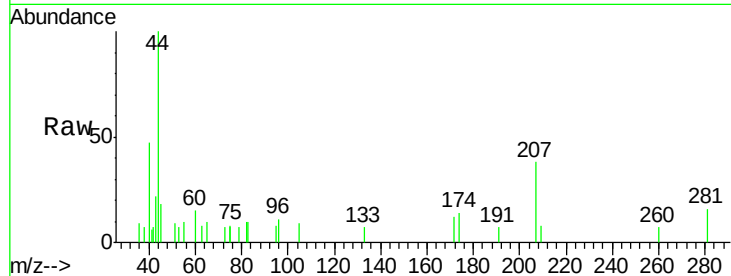
Tot Ion: 83 Resp: 282

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

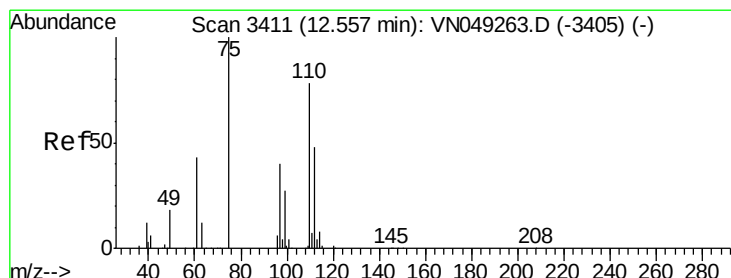
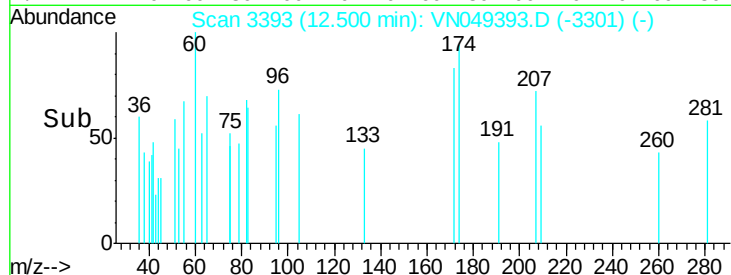
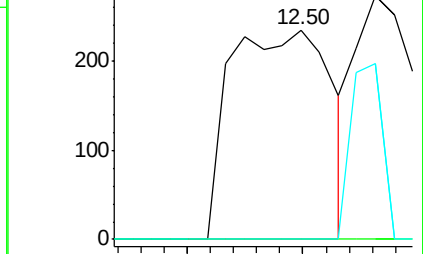
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 41.84 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049393.D

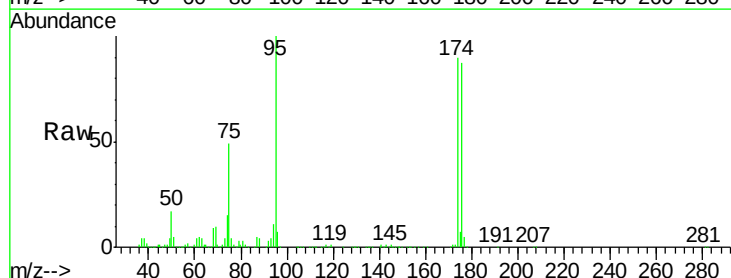
Acq: 19 Jun 2018 18:38

Tgt Ion: 75 Resp: 321821

Ion Ratio Lower Upper

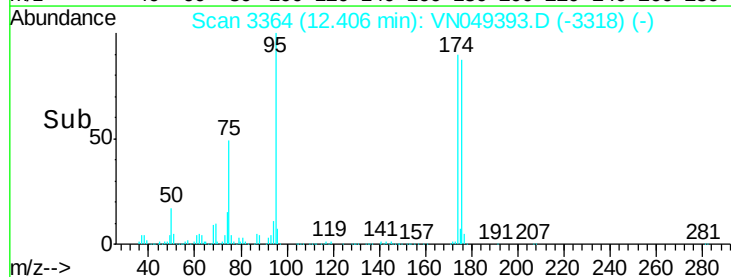
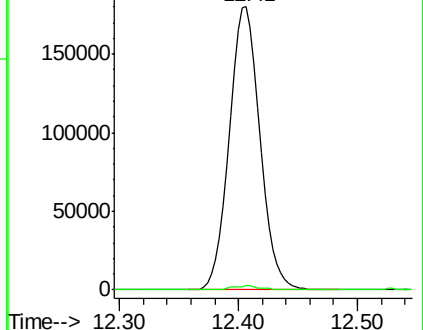
75 100

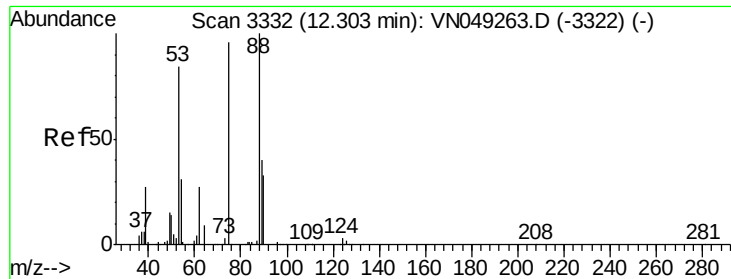
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 132.24 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

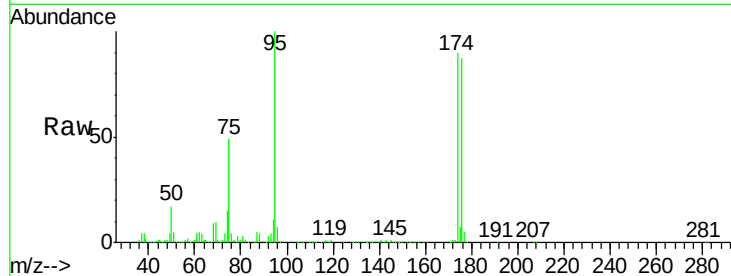
Tot Ion: 75 Resp: 321821

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

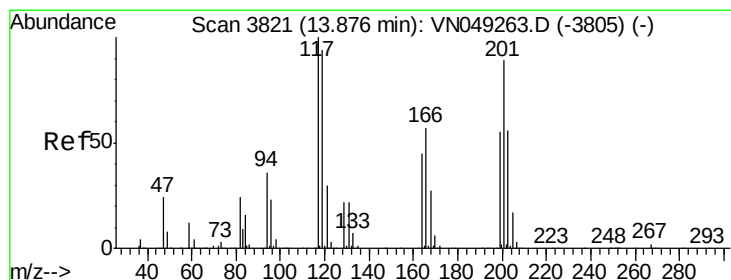
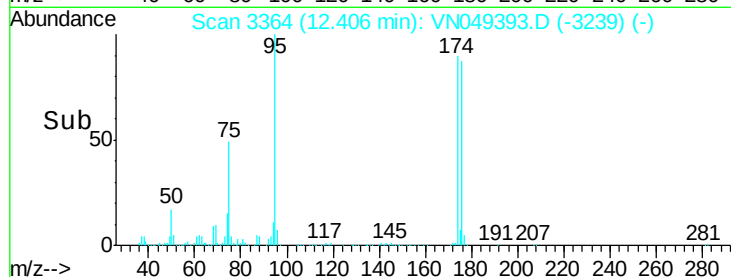
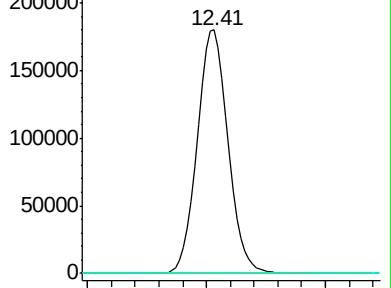
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049393.D (-3364) (-)

Ion 53.00 (52.70 to 53.70): VN049393.D (-3364) (-)

Ion 88.90 (88.60 to 89.60): VN049393.D (-3364) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 14.07 min Scan# 3882

Delta R.T. 0.20 min

Lab File: VN049393.D

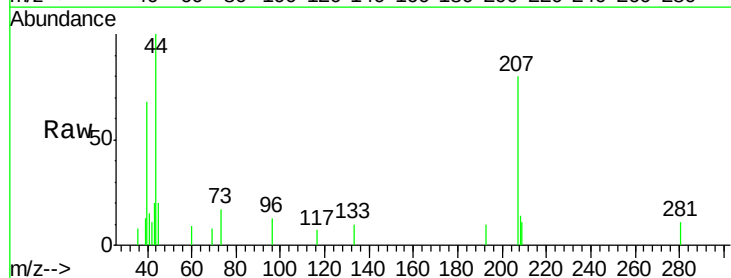
Acq: 19 Jun 2018 18:38

Tgt Ion: 117 Resp: 29

Ion Ratio Lower Upper

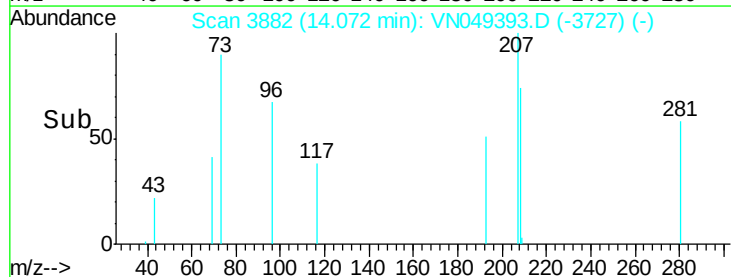
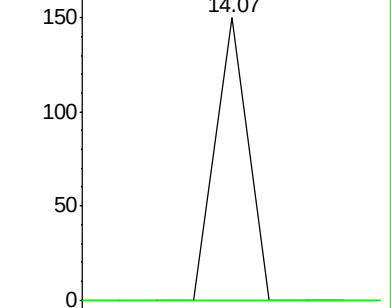
117 100

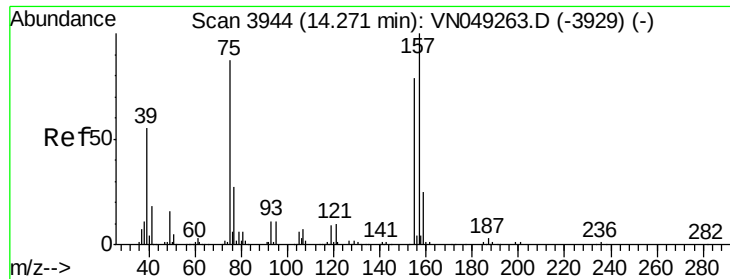
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049393.D (-3882) (-)

Ion 200.70 (200.40 to 201.40): VN049393.D (-3882) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.55 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampleId :

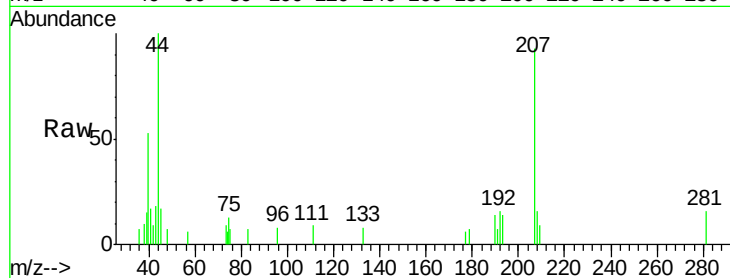
Tot Ion: 75 Resp: 762

Ion Ratio Lower Upper

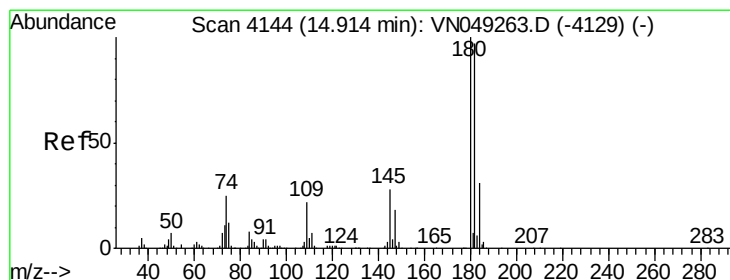
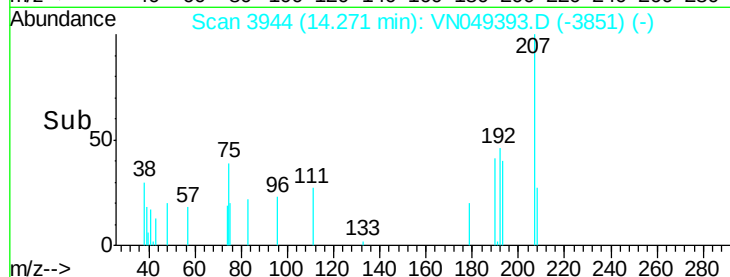
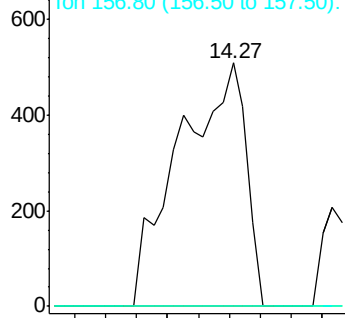
75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3929) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.91 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

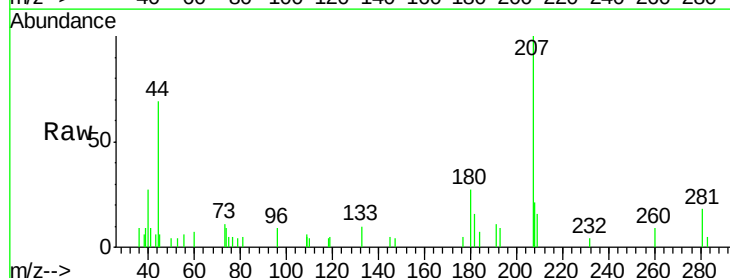
Tgt Ion: 180 Resp: 1463

Ion Ratio Lower Upper

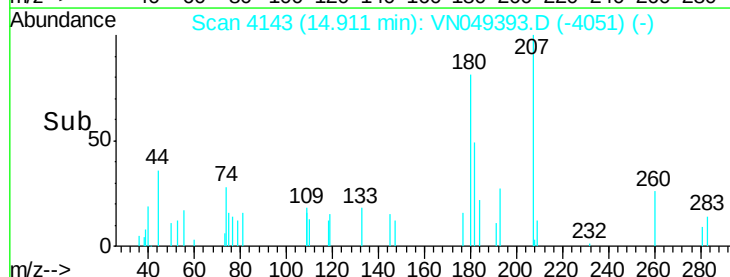
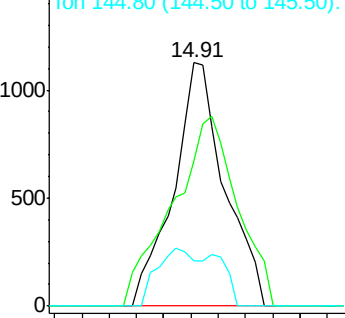
180 100

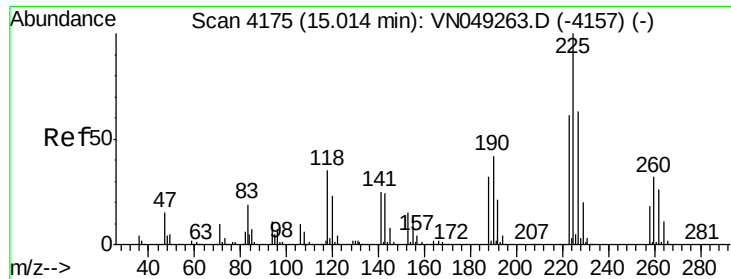
182 99.3 46.9 140.8

145 27.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049393.D

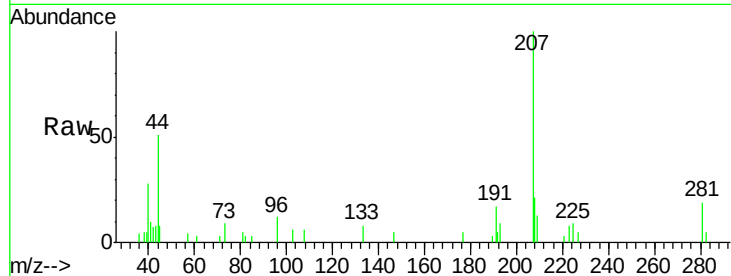
Acq: 19 Jun 2018 18:38

Instrument :

MSVOA_N

ClientSampled :

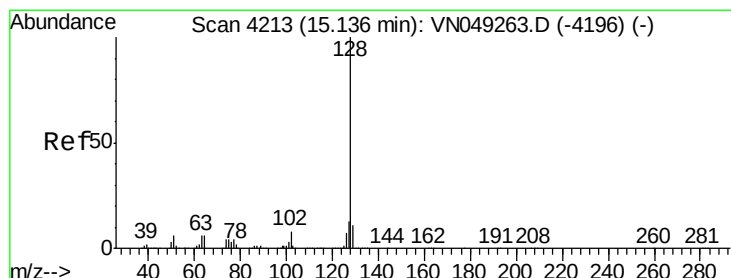
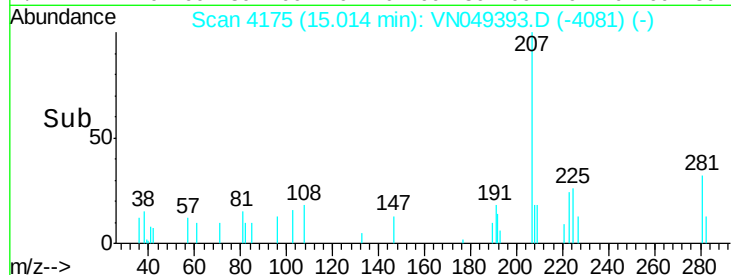
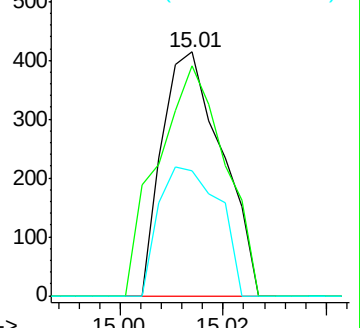
Tot Ion:	225	Resp:	332
Ion	Ratio	Lower	Upper
225	100		
223	106.3	32.1	96.3#
227	53.3	31.8	95.3



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



#95

Naphthalene

Concen: 2.37 ug/l

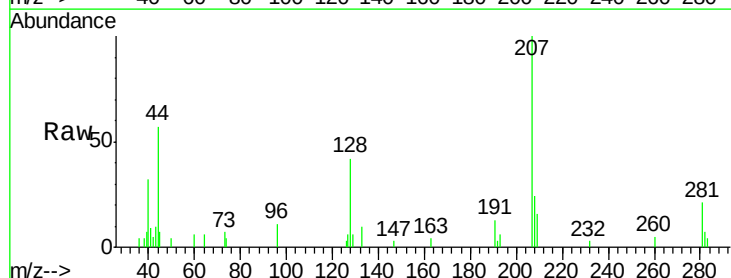
RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049393.D

Acq: 19 Jun 2018 18:38

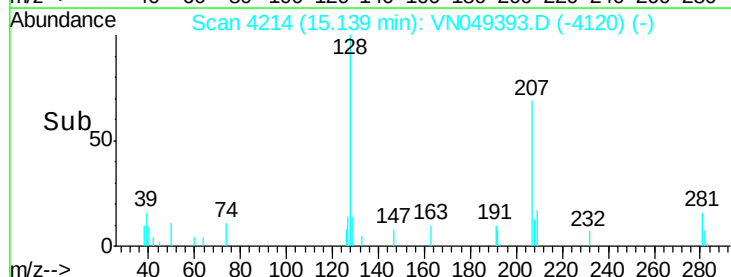
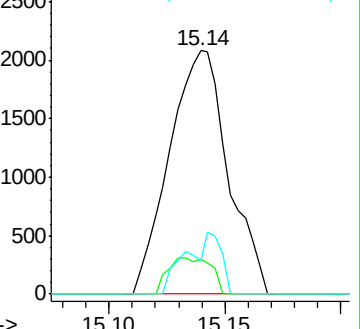
Tgt Ion:	128	Resp:	3665
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.6	16.0
129	15.1	8.5	12.7#

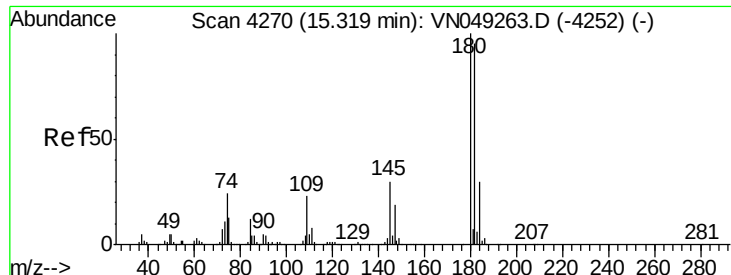


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

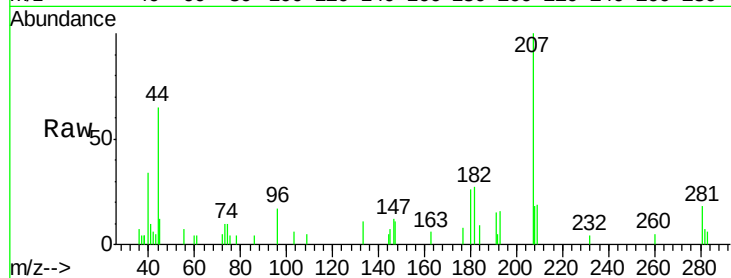




#96
 1,2,3-Trichlorobenzene
 Concen: 3.67 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049393.D
 Acq: 19 Jun 2018 18:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.8	47.3	141.8
145	24.9	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

