

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050732.D
 Acq On : 17 Aug 2018 16:02
 Operator : MD\SY
 Sample : J4548-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:15:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.68	168	923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	595836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	2651	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	229855	19756.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39512.78%	
35) Dibromofluoromethane	7.59	113	104	0.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	0.04%	
50) Toluene-d8	10.09	98	686699	38.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.72%	
62) 4-Bromofluorobenzene	12.40	95	207534	35.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2076	164.87	ug/l	99
4) Vinyl Chloride	2.18	62	425	30.75	ug/l #	43
5) Bromomethane	2.57	94	2899	405.04	ug/l	92
6) Chloroethane	2.69	64	62	6.70	ug/l #	43
10) Methyl Iodide	3.96	142	1319	152.61	ug/l #	52
11) Tert butyl alcohol	4.81	59	158	248.71	ug/l #	72
13) Acrolein	3.63	56	171	725.61	ug/l #	14
14) Allyl chloride	4.07	41	73243	4701.60	ug/l #	75
16) Acetone	3.82	43	4424720	1532022.43	ug/l	100
17) Carbon Disulfide	4.05	76	12737	404.14	ug/l	96
18) Methyl Acetate	4.34	43	14843	1852.32	ug/l	98
20) Methylene Chloride	4.56	84	2000	184.27	ug/l #	73
22) Diisopropyl ether	6.06	45	170	5.32	ug/l #	11
23) Vinyl Acetate	5.91	43	194	9.29	ug/l #	72
25) 2-Butanone	6.84	43	72040	15101.94	ug/l	94
26) 2,2-Dichloropropane	6.82	77	370	26.75	ug/l #	51
27) cis-1,2-Dichloroethene	6.84	96	277	22.91	ug/l #	64
28) Bromochloromethane	7.20	49	175646	18674.75	ug/l	99
29) Tetrahydrofuran	7.22	42	736	295.50	ug/l #	60
37) Ethyl Acetate	6.84	43	72040	19.21	ug/l #	69
41) Methacrylonitrile	7.21	41	1633	0.81	ug/l #	23
43) Isopropyl Acetate	8.30	43	139346	20.39	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	13789	2.98	ug/l	96
52) Toluene	10.16	92	1185283	98.38	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	12928	2.05	ug/l #	1
55) 1,1,2-Trichloroethane	10.41	97	2474	0.55	ug/l #	15
56) Ethyl methacrylate	10.42	69	124	1.93	ug/l #	28
59) 2-Hexanone	10.76	43	1652	0.55	ug/l	84
70) Styrene	11.97	104	874	1.01	ug/l #	76
73) Isopropylbenzene	12.25	105	504	2.43	ug/l #	48
74) N-amyl acetate	11.81	43	114192	2119.11	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	145	0.73	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	98671	2350.89	ug/l #	100
78) n-propylbenzene	12.59	91	1341	5.81	ug/l #	74

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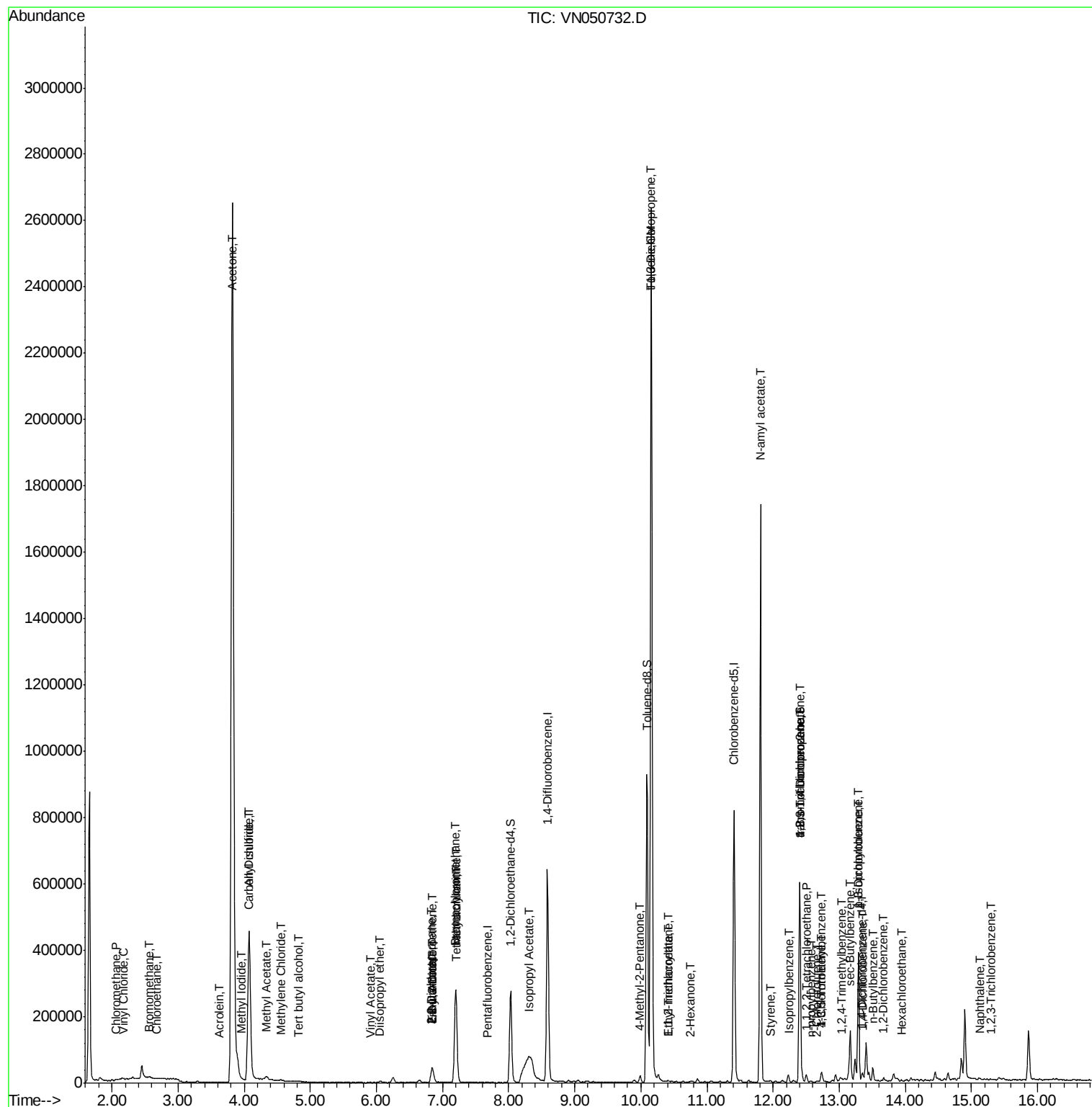
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.65	91	319	2.22	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	1411	8.51	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.40	75	98671	8274.84	ug/l #	13
82) 4-Chlorotoluene	12.74	91	598	4.20	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.04	105	4381	26.32	ug/l	68
85) sec-Butylbenzene	13.17	105	1769	9.40	ug/l #	56
86) p-Isopropyltoluene	13.29	119	206786	1297.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	299	3.12	ug/l #	33
88) 1,4-Dichlorobenzene	13.37	146	436	4.59	ug/l #	31
89) n-Butylbenzene	13.51	91	6523	50.68	ug/l	86
90) Hexachloroethane	13.95	117	1806	56.34	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	62	0.66	ug/l #	25
95) Naphthalene	15.13	128	1838	20.49	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.30	180	62	3.27	ug/l #	81

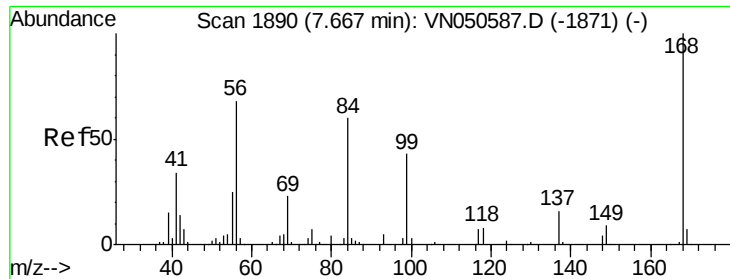
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

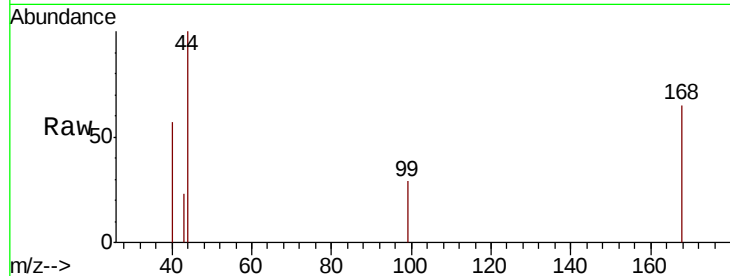
ClientSampled :

Tot Ion:168 Resp: 923

Ion Ratio Lower Upper

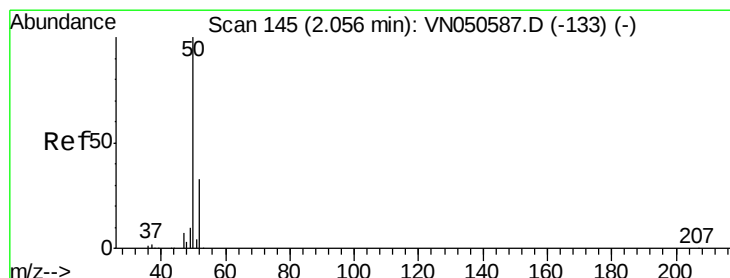
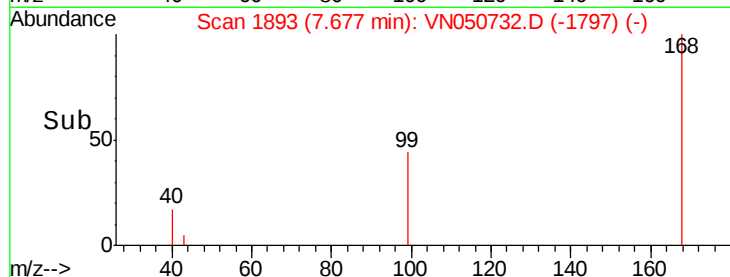
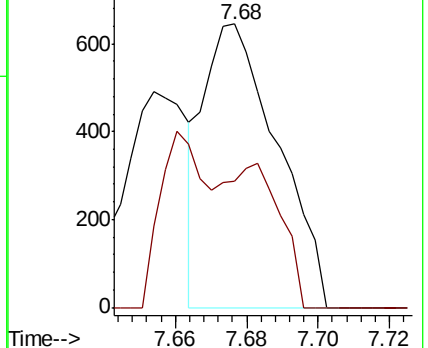
168 100

99 44.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 164.87 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050732.D

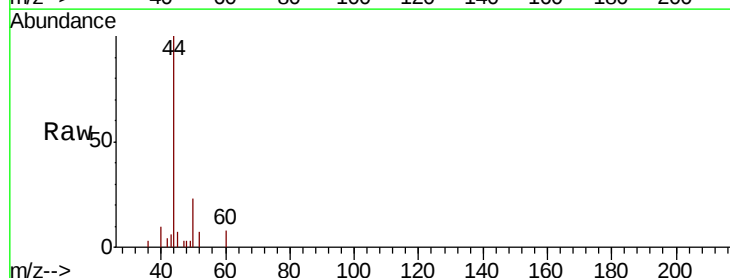
Acq: 17 Aug 2018 16:02

Tgt Ion: 50 Resp: 2076

Ion Ratio Lower Upper

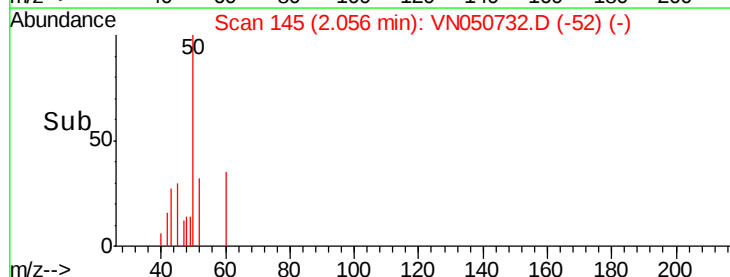
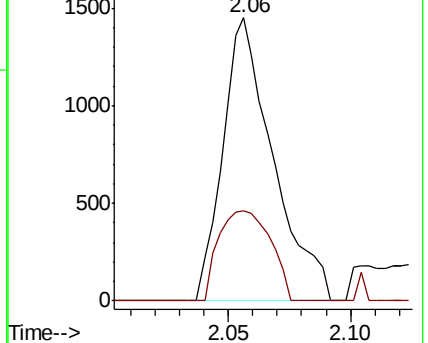
50 100

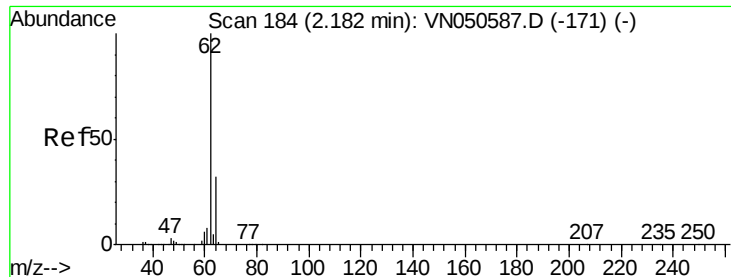
52 31.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 30.75 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

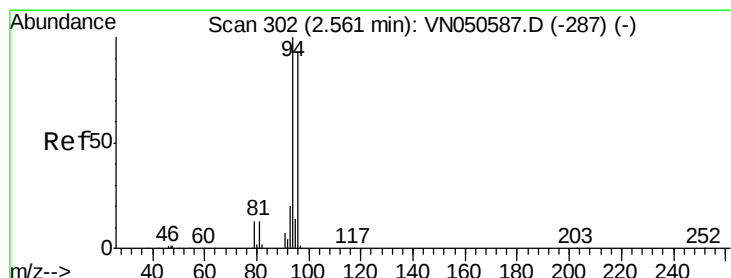
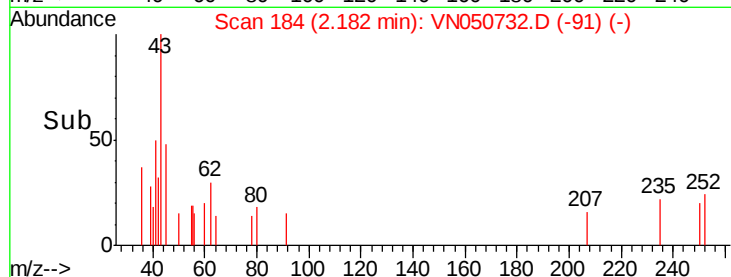
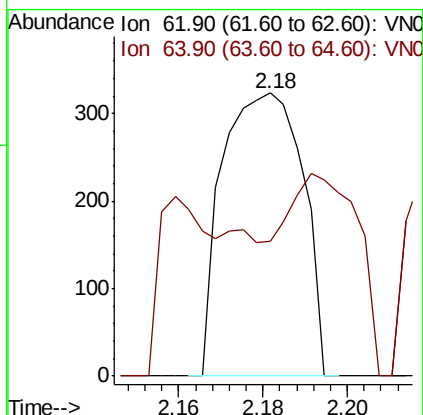
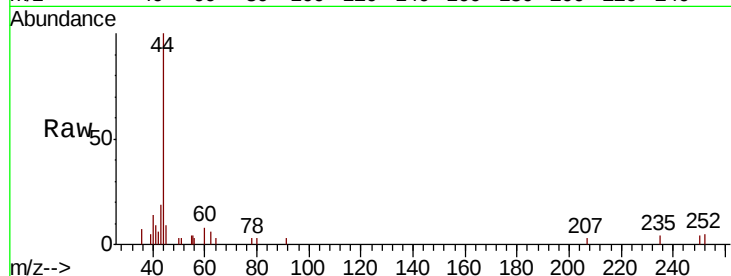
ClientSampleId :

Tot Ion: 62 Resp: 425

Ion Ratio Lower Upper

62 100

64 0.0 25.2 37.8#



#5

Bromomethane

Concen: 405.04 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050732.D

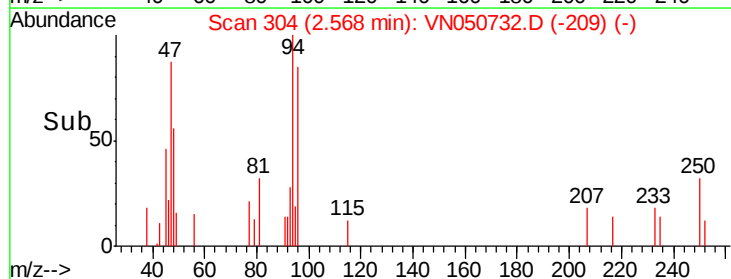
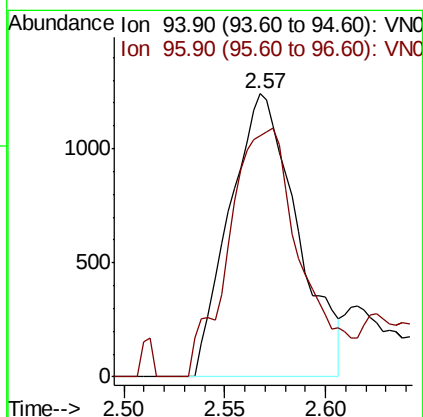
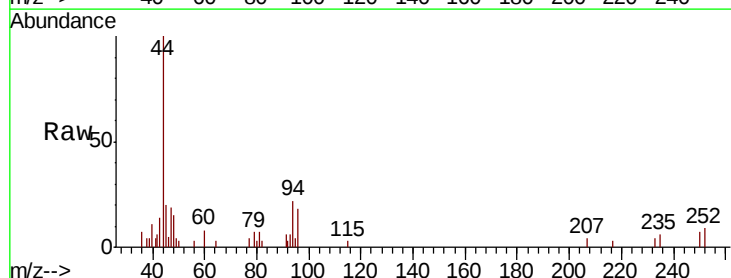
Acq: 17 Aug 2018 16:02

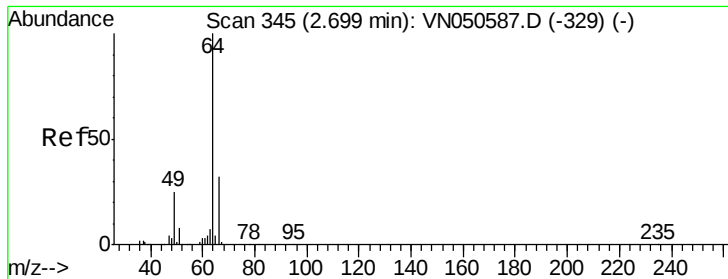
Tgt Ion: 94 Resp: 2899

Ion Ratio Lower Upper

94 100

96 85.0 74.0 111.0





#6

Chloroethane

Concen: 6.70 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

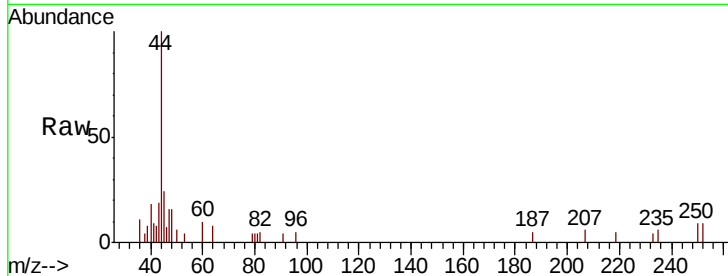
ClientSampleId :

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

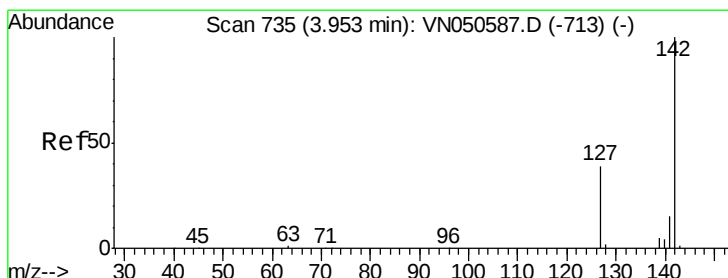
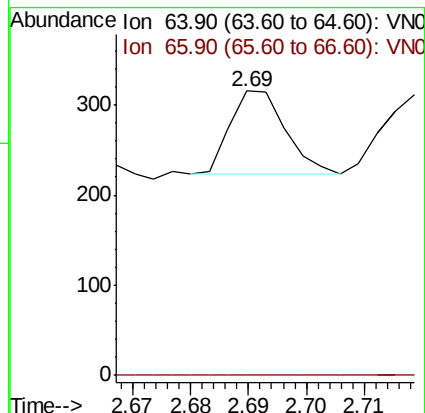
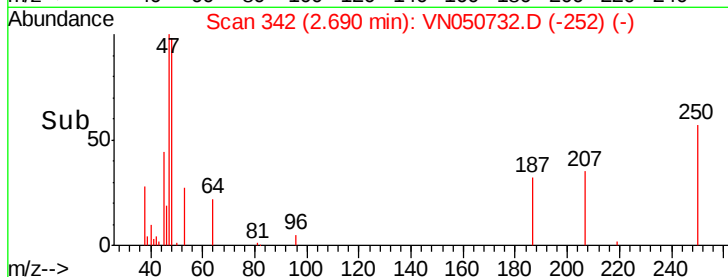


Abundance Ion 63.90 (63.60 to 64.60): VN050732.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050732.D (-252) (-)

2.69

Time-->



#10

Methyl Iodide

Concen: 152.61 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

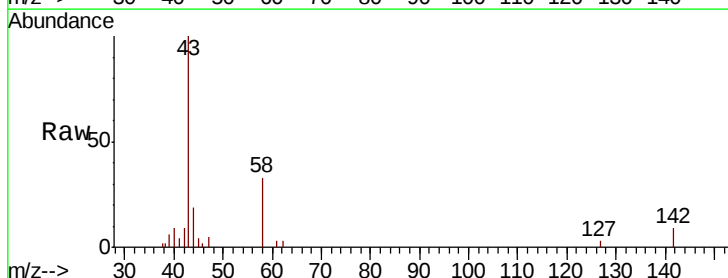
Tgt Ion: 142 Resp: 1319

Ion Ratio Lower Upper

142 100

127 8.4 32.6 49.0#

141 0.0 11.5 17.3#



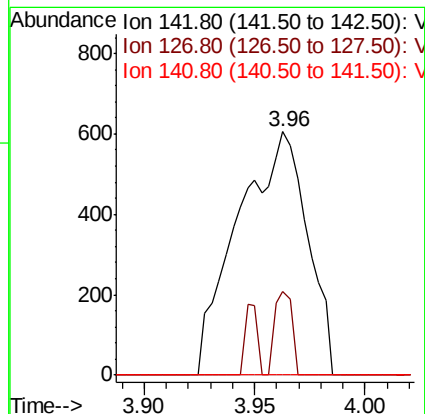
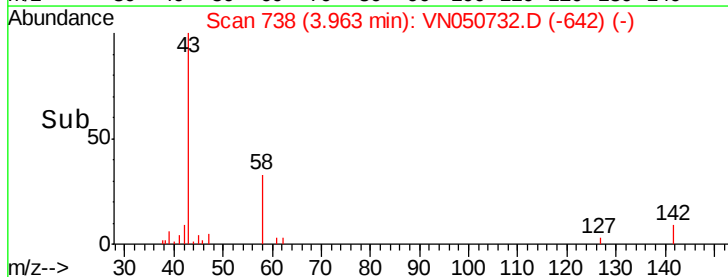
Abundance Ion 141.80 (141.50 to 142.50): VN050732.D (-642) (-)

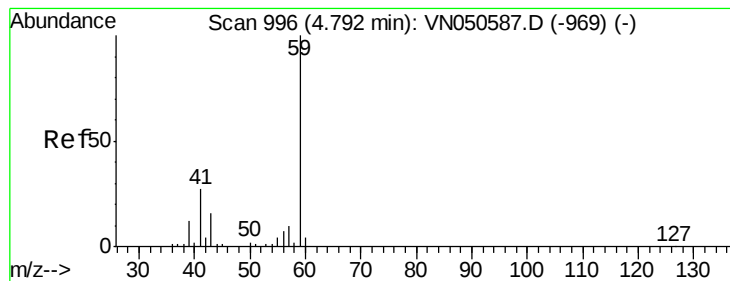
Ion 126.80 (126.50 to 127.50): VN050732.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050732.D (-642) (-)

3.96

Time-->



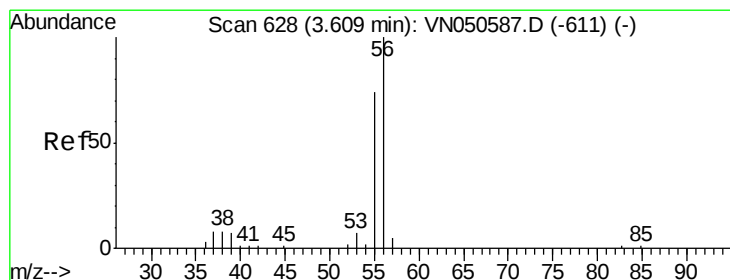
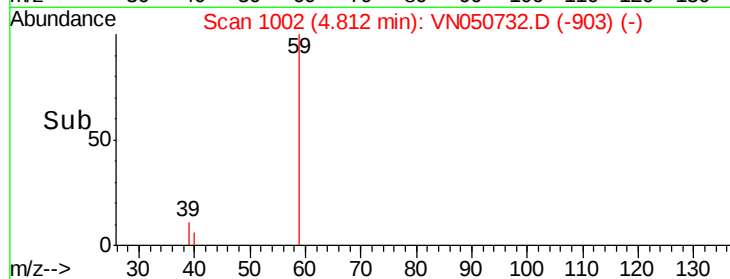
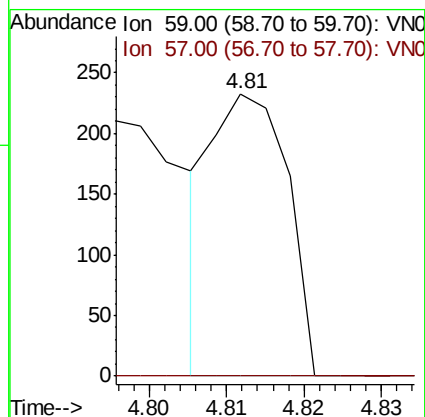
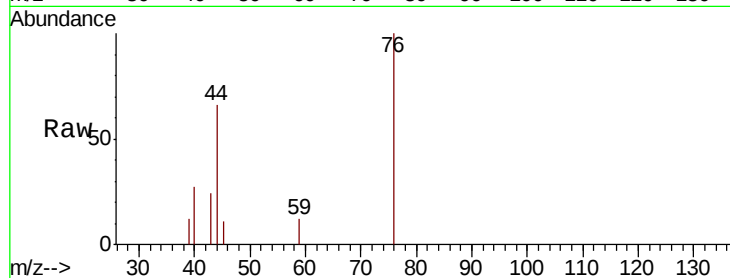


#11

Tert butyl alcohol
 Concen: 248.71 ug/l
 RT: 4.81 min Scan# 1002
 Delta R.T. 0.02 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Instrument :
 MSVOA_N
 ClientSampled :

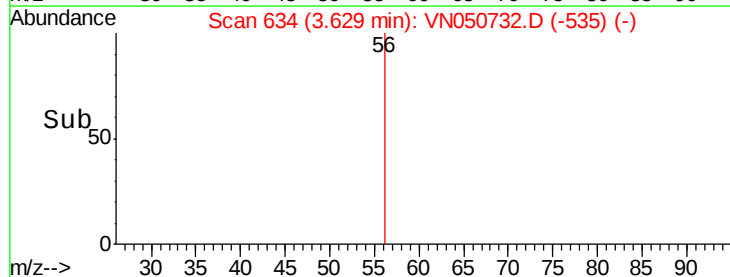
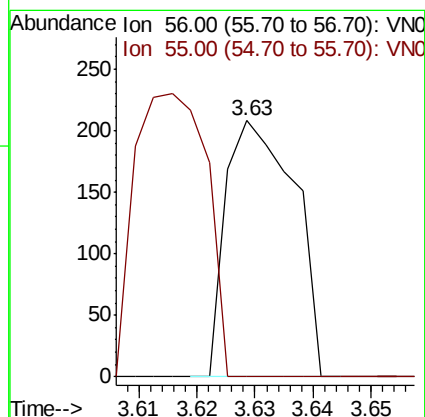
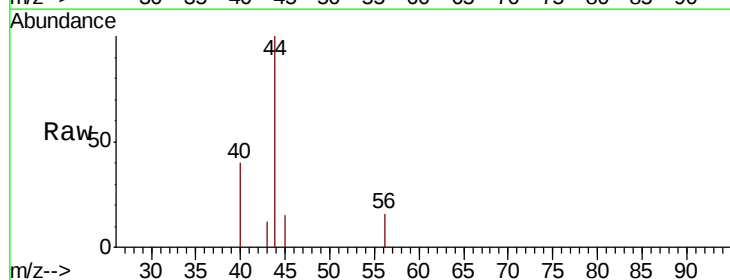
Tot Ion: 59 Resp: 158
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

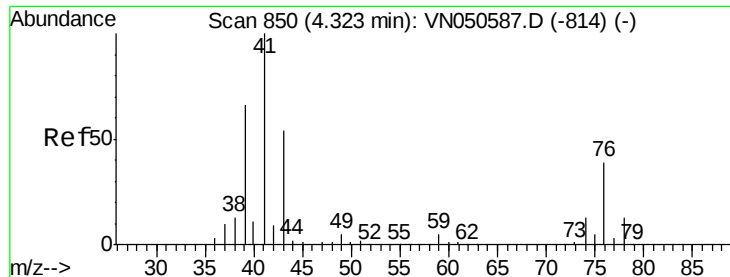


#13

Acrolein
 Concen: 725.61 ug/l
 RT: 3.63 min Scan# 634
 Delta R.T. 0.02 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion: 56 Resp: 171
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.3 84.5#

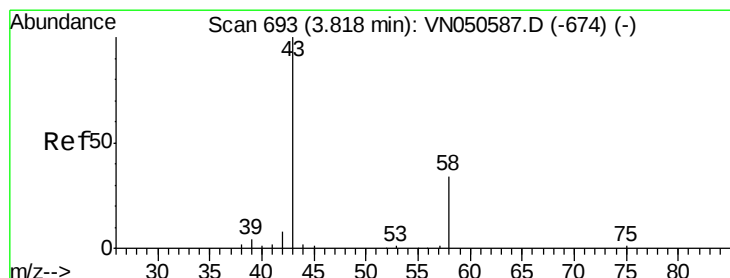
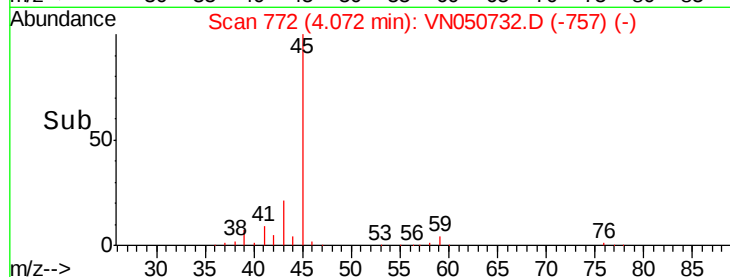
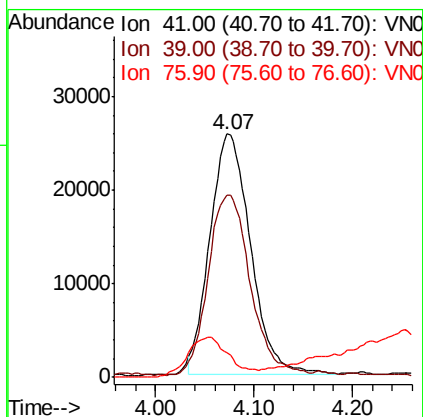
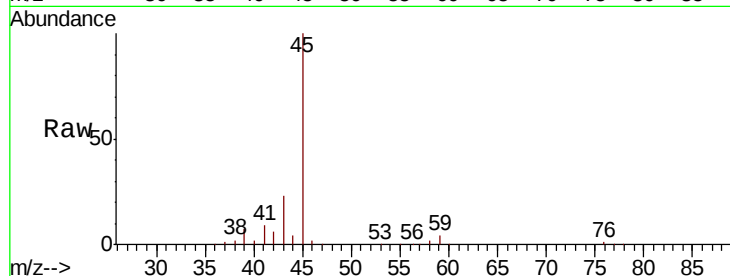




#14
Allvl chloride
Concen: 4701.60 ug/l
RT: 4.07 min Scan# 772
Delta R.T. -0.25 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

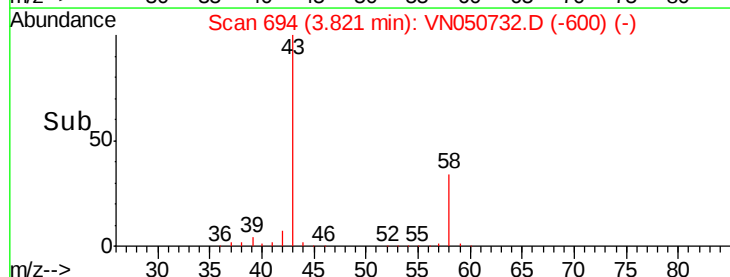
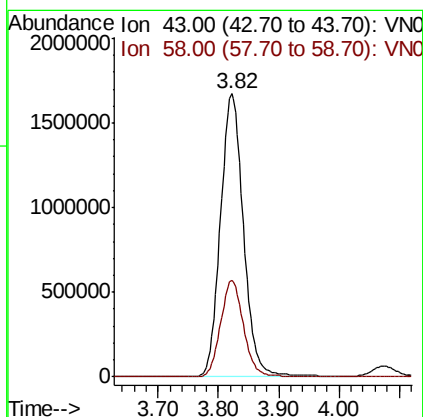
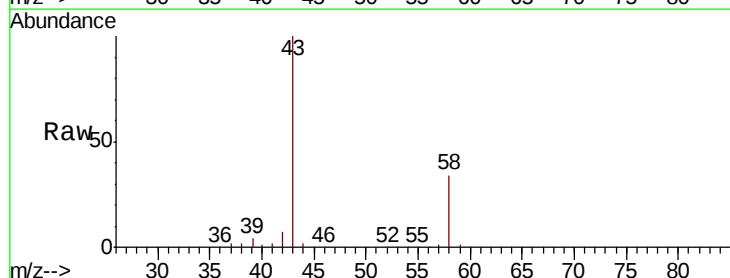
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MSVOA_N
ClientSampleId :

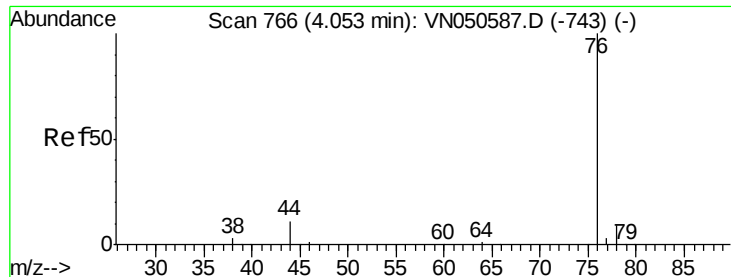
Tot Ion: 41 Resp: 73243
Ion Ratio Lower Upper
41 100
39 75.0 51.4 77.0
76 10.2 29.4 44.0#



#16
Acetone
Concen: 1532022.43 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion: 43 Resp: 4424720
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7

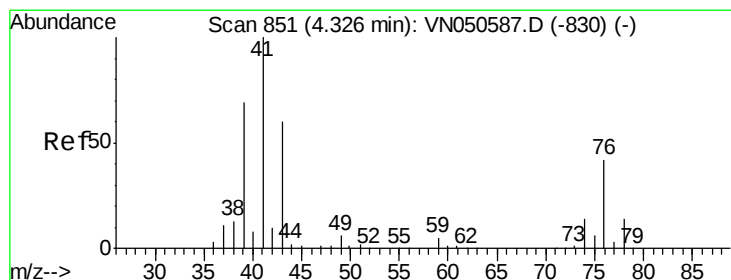
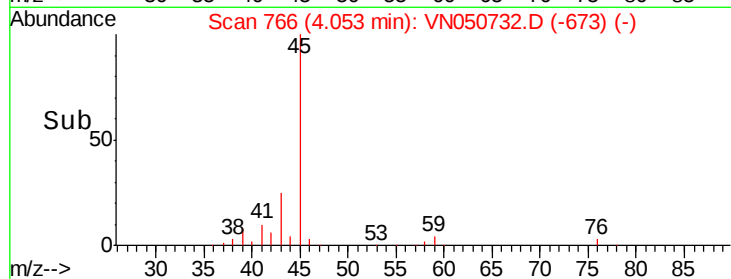
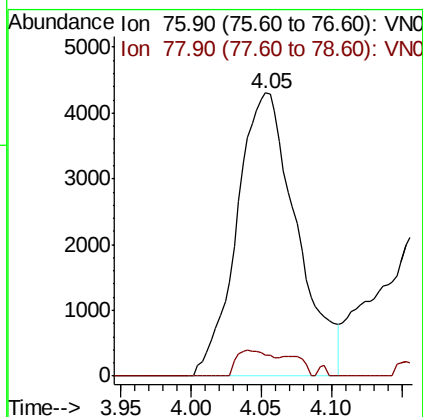
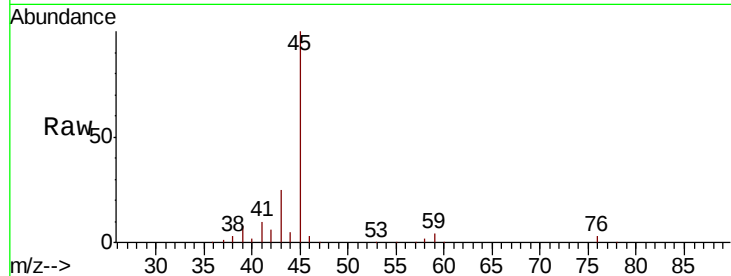




#17
Carbon Disulfide
Concen: 404.14 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

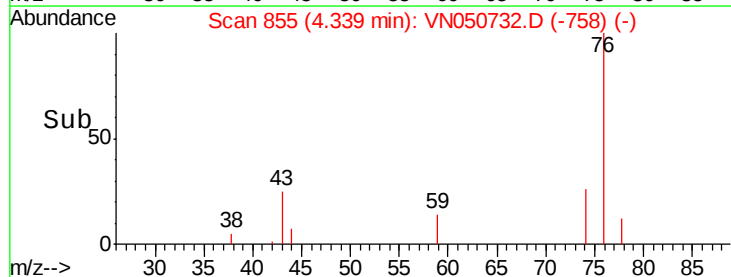
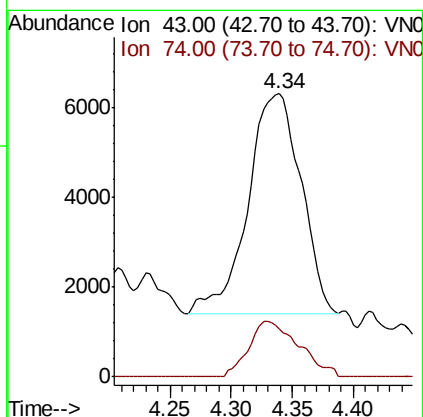
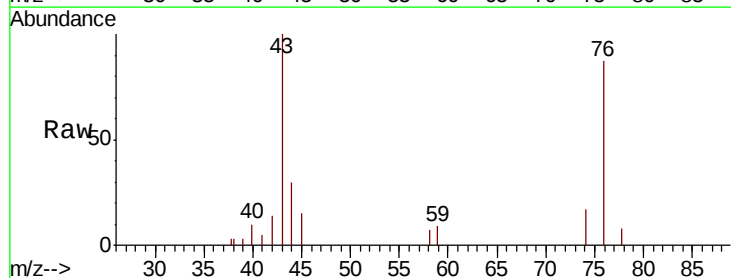
Instrument :
MSVOA_N
ClientSampleId :

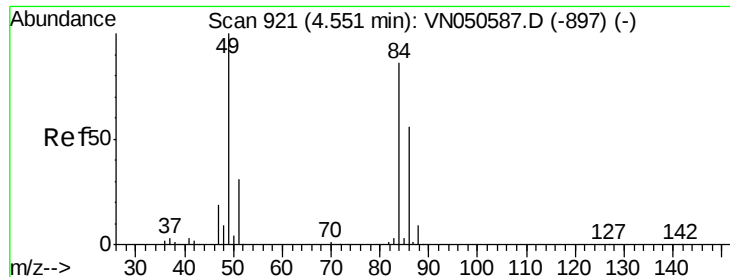
Tot Ion: 76 Resp: 12737
Ion Ratio Lower Upper
76 100
78 7.6 7.3 10.9



#18
Methyl Acetate
Concen: 1852.32 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion: 43 Resp: 14843
Ion Ratio Lower Upper
43 100
74 23.7 19.7 29.5

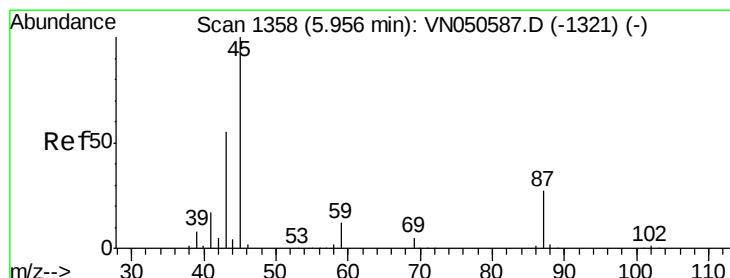
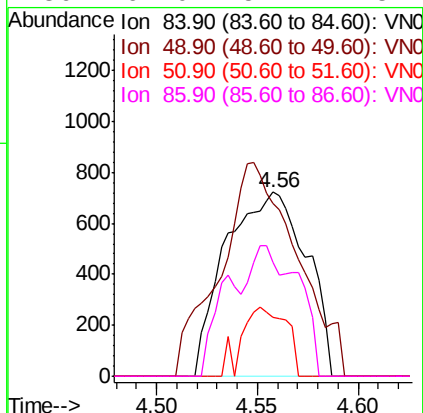
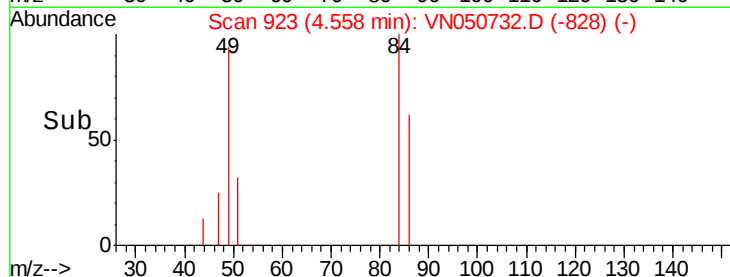
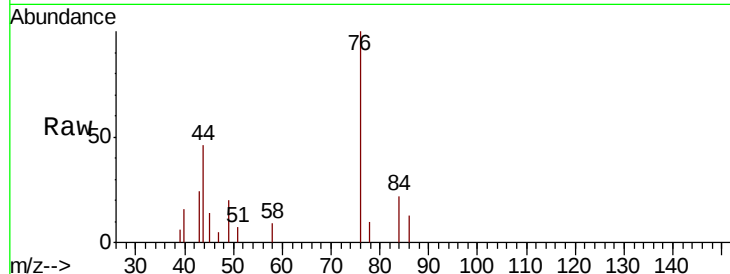




#20
Methvlene Chloride
Concen: 184.27 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

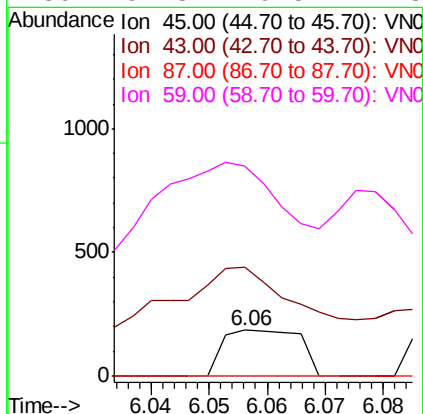
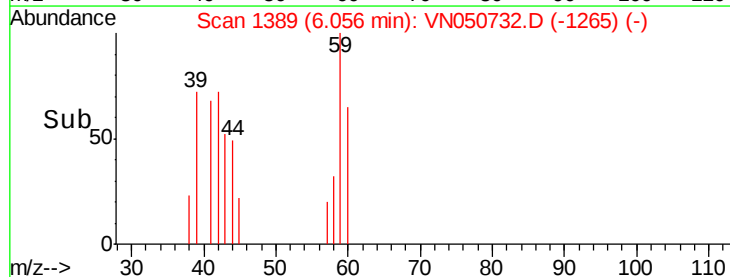
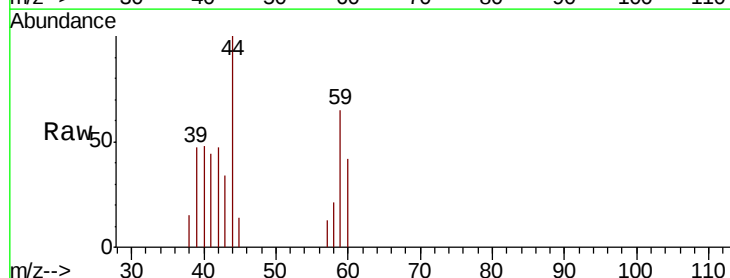
Instrument :
MSVOA_N
ClientSampleId :

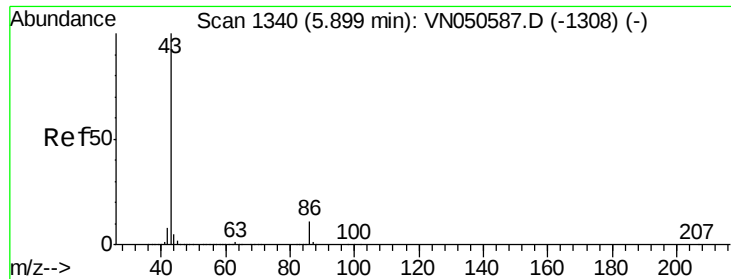
Tot Ion: 84 Resp: 2000
Ion Ratio Lower Upper
84 100
49 65.1 92.6 138.8#
51 32.2 28.6 43.0
86 62.0 52.2 78.2



#22
Diisopropyl ether
Concen: 5.32 ug/l
RT: 6.06 min Scan# 1389
Delta R.T. 0.10 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion: 45 Resp: 170
Ion Ratio Lower Upper
45 100
43 112.4 44.5 66.7#
87 0.0 22.2 33.2#
59 97.8 9.5 14.3#





#23

Vinyl Acetate

Concen: 9.29 ug/l

RT: 5.91 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

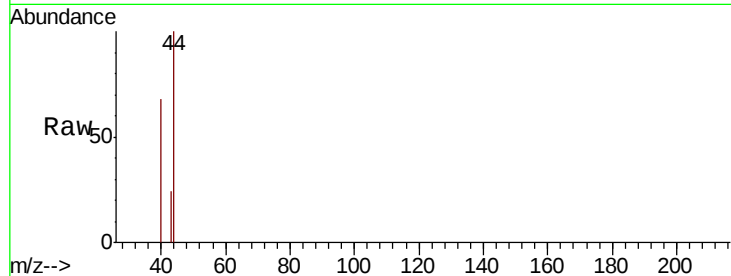
ClientSampled :

Tot Ion: 43 Resp: 194

Ion Ratio Lower Upper

43 100

86 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.91

250

200

150

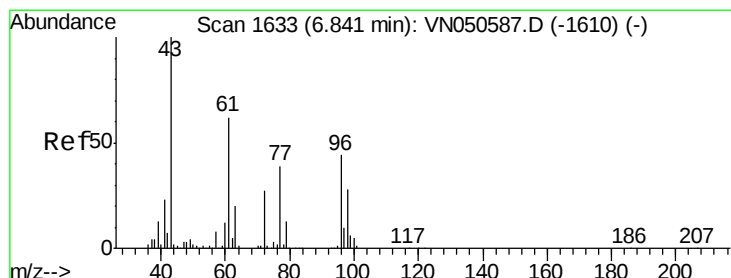
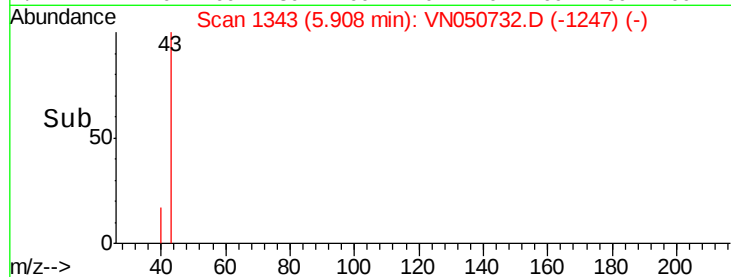
100

50

0

Time-->

5.89 5.90 5.91 5.92



#25

2-Butanone

Concen: 15101.94 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050732.D

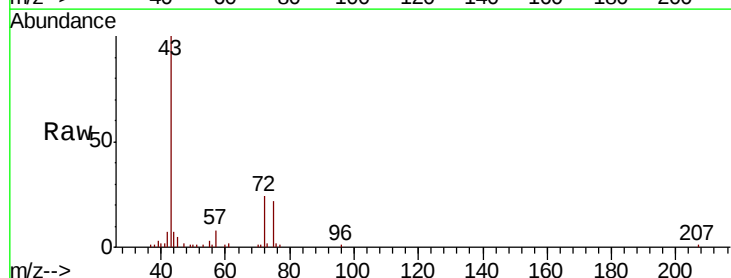
Acq: 17 Aug 2018 16:02

Tgt Ion: 43 Resp: 72040

Ion Ratio Lower Upper

43 100

72 24.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

25000

20000

15000

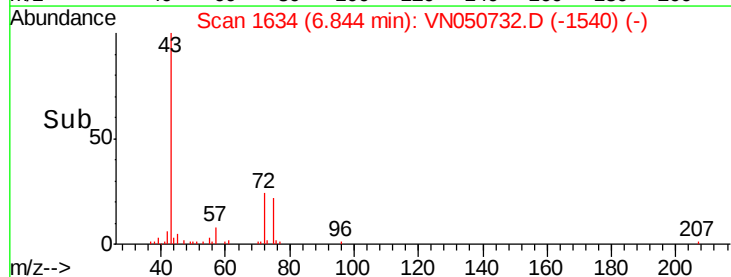
10000

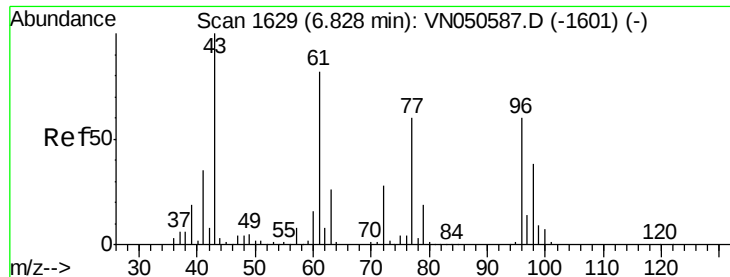
5000

0

Time-->

6.80 6.84 6.90

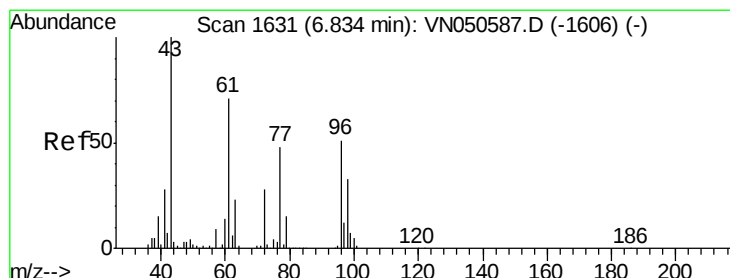
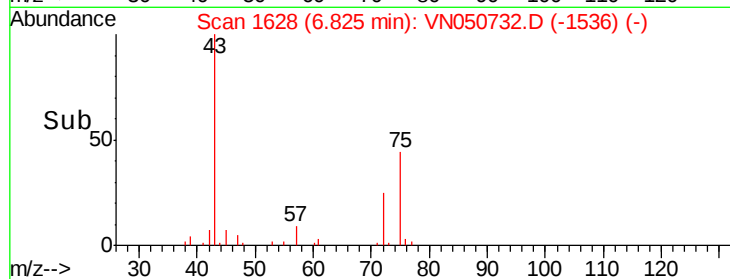
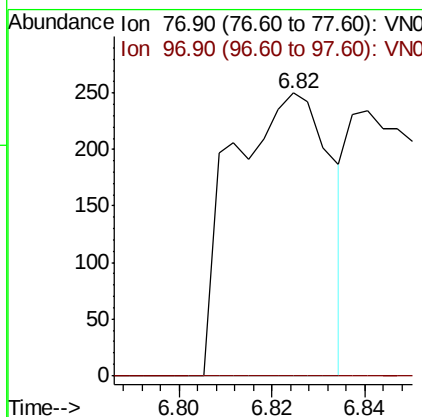
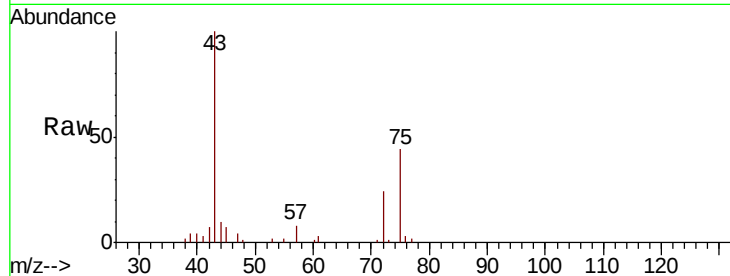




#26
 2,2-Dichloropropane
 Concen: 26.75 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

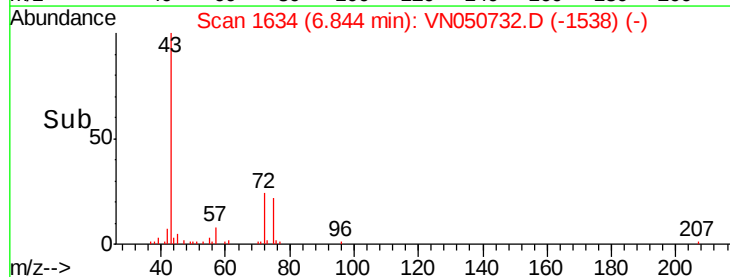
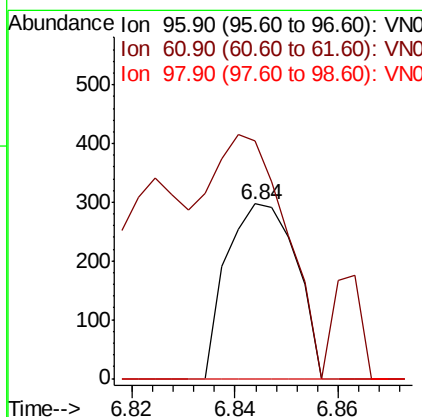
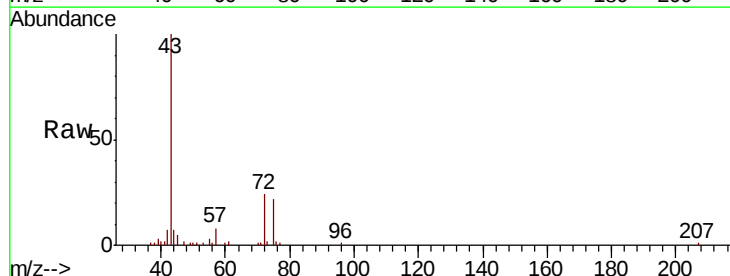
Instrument :
 MSVOA_N
 ClientSampled :

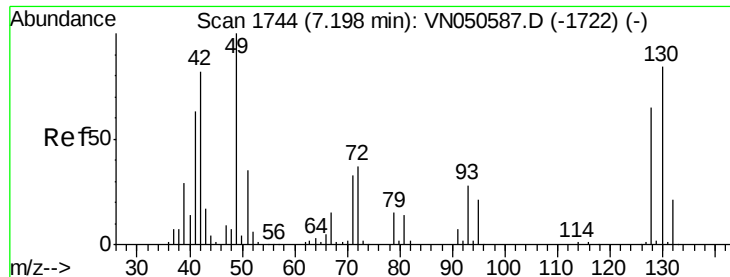
Tot Ion: 77 Resp: 370
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.4#



#27
 cis-1,2-Dichloroethene
 Concen: 22.91 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.01 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion: 96 Resp: 277
 Ion Ratio Lower Upper
 96 100
 61 156.7 0.0 278.2
 98 0.0 0.0 128.8





#28

Bromochloromethane

Concen: 18674.75 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :

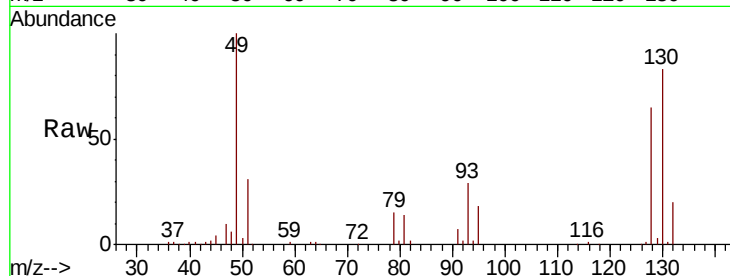
Tot Ion: 49 Resp: 175646

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 82.4 66.8 100.2



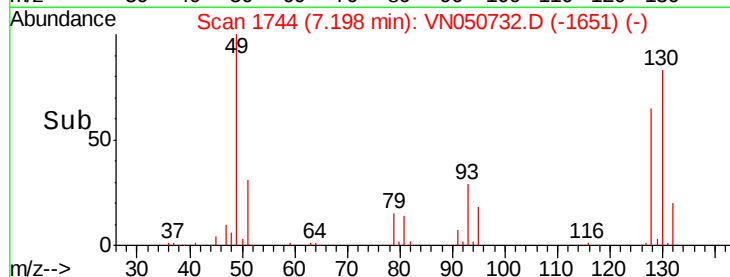
Abundance Ion 48.90 (48.60 to 49.60): VN050732.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050732.D (-1651) (-)

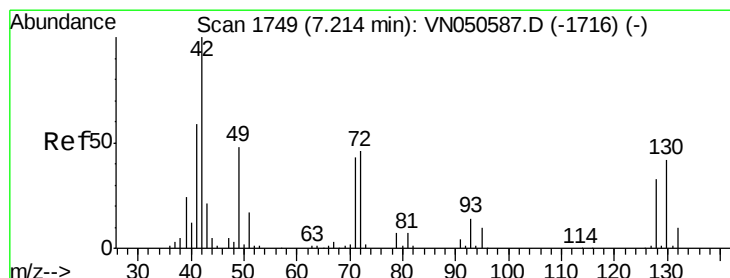
Ion 129.80 (129.50 to 130.50): VN050732.D (-1651) (-)

7.20

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 295.50 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

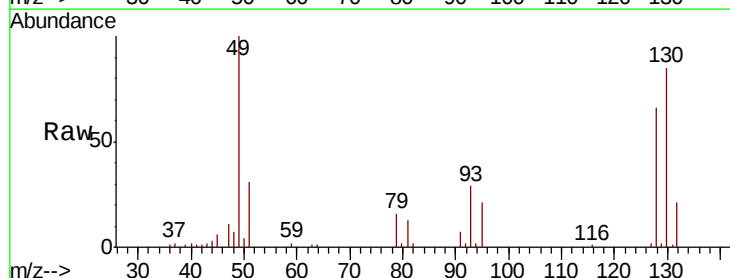
Tgt Ion: 42 Resp: 736

Ion Ratio Lower Upper

42 100

72 34.0 35.8 53.6#

71 0.0 33.4 50.0#



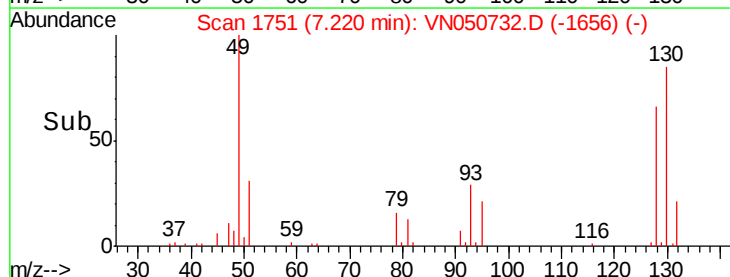
Abundance Ion 42.00 (41.70 to 42.70): VN050732.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN050732.D (-1656) (-)

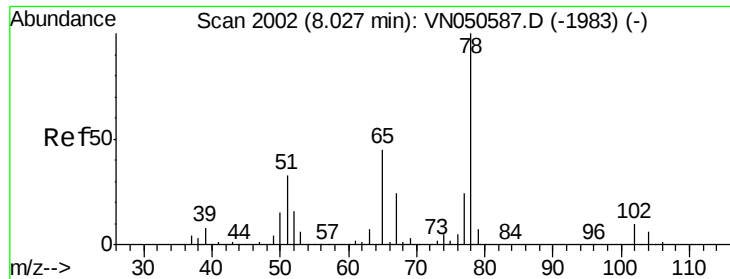
Ion 71.00 (70.70 to 71.70): VN050732.D (-1656) (-)

7.22

Time-->



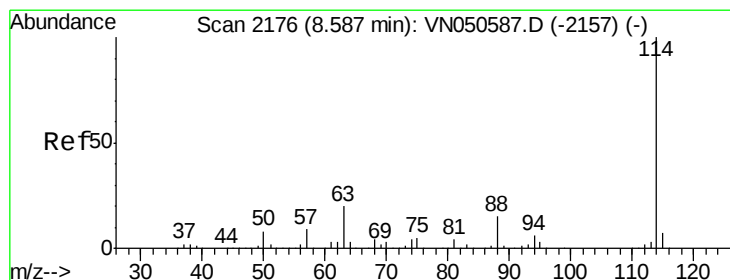
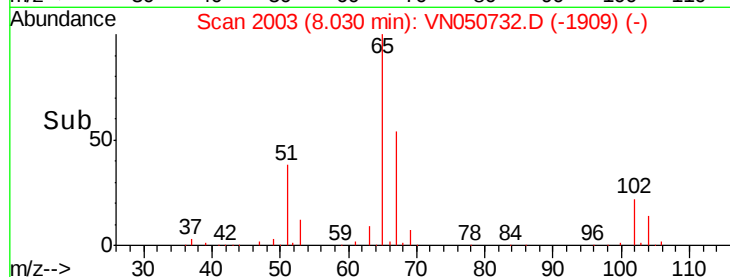
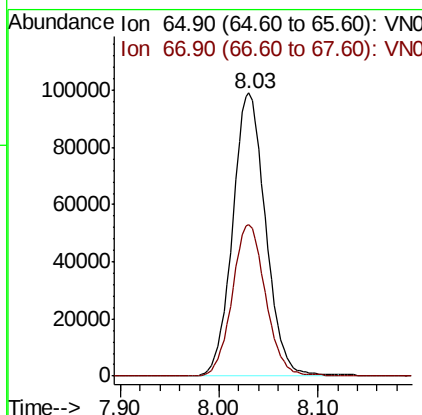
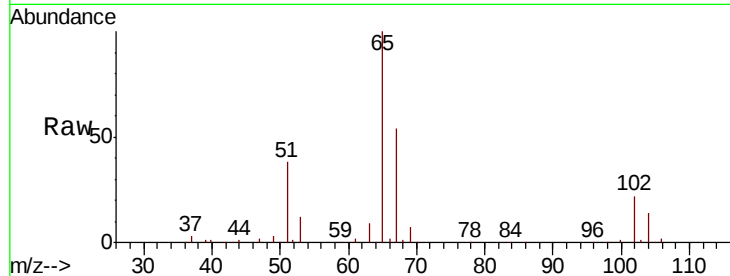
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 19756.39 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

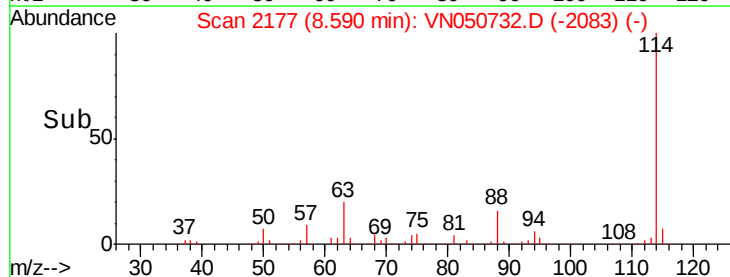
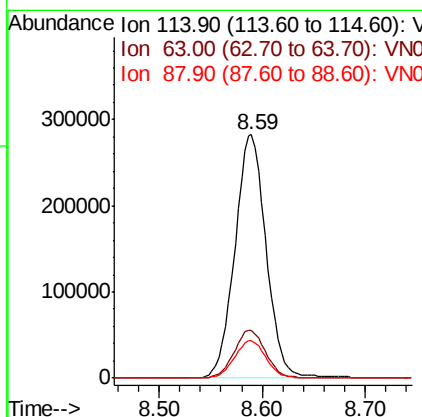
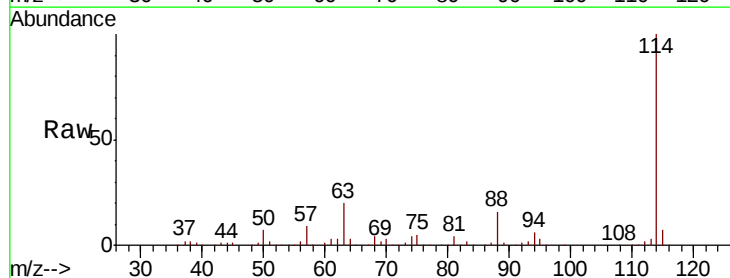
Instrument :
 MSVOA_N
 ClientSampleId :

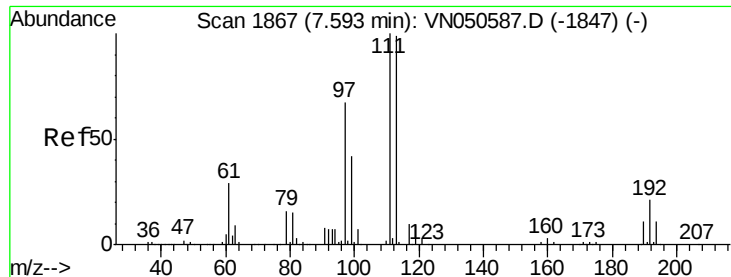
Tot Ion: 65 Resp: 229855
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion: 114 Resp: 595836
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 0.02 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :

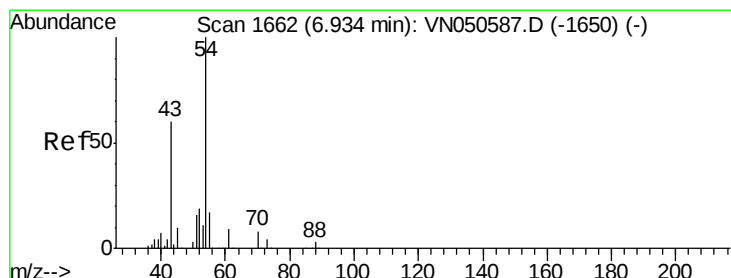
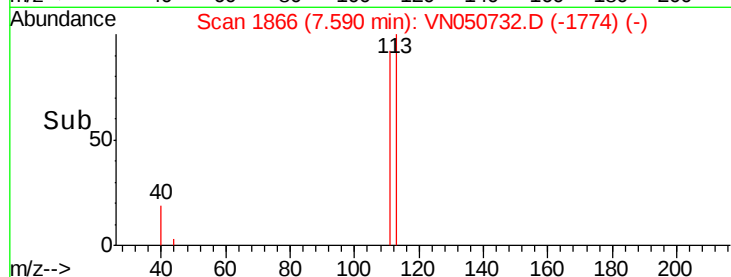
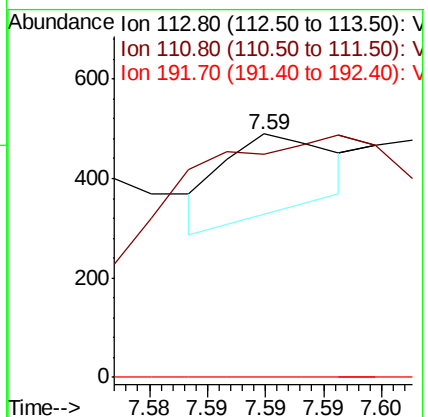
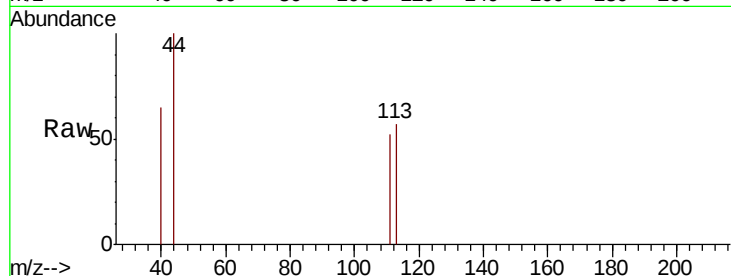
Tot Ion:113 Resp: 104

Ion Ratio Lower Upper

113 100

111 959.6 81.0 121.6#

192 0.0 17.6 26.4#



#37

Ethyl Acetate

Concen: 19.21 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.09 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

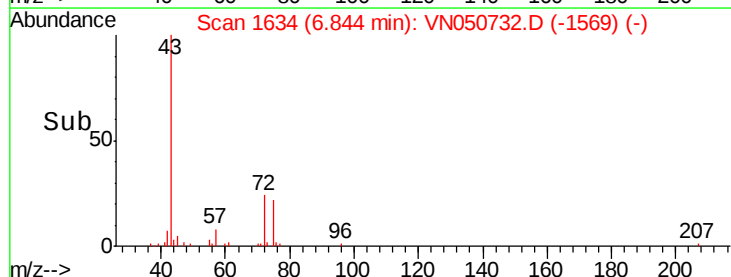
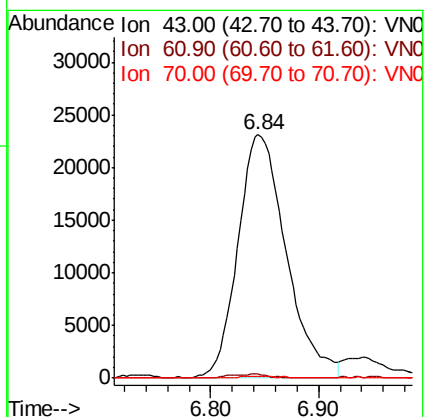
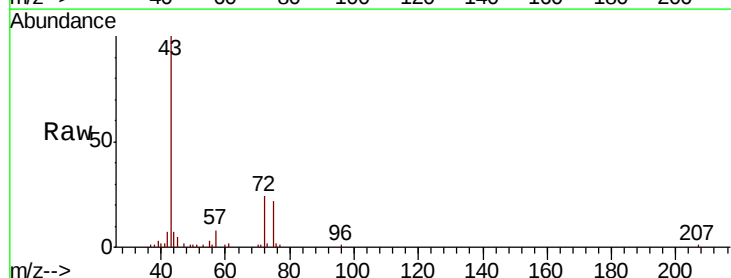
Tgt Ion: 43 Resp: 72040

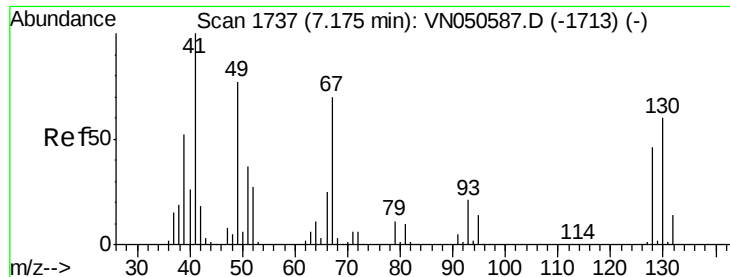
Ion Ratio Lower Upper

43 100

61 0.6 12.0 18.0#

70 0.5 8.5 12.7#





#41

Methacrylonitrile

Concen: 0.81 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 1633

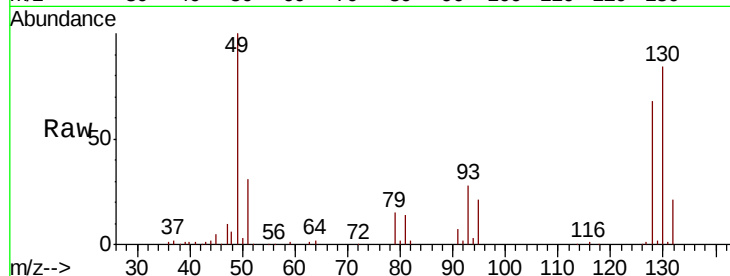
Ion Ratio Lower Upper

41 100

39 8.6 44.6 66.8#

67 0.0 66.7 100.1#

52 0.0 26.5 39.7#

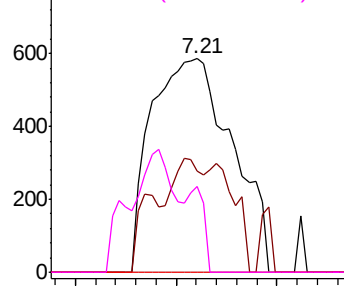


Abundance Ion 41.00 (40.70 to 41.70): VN0

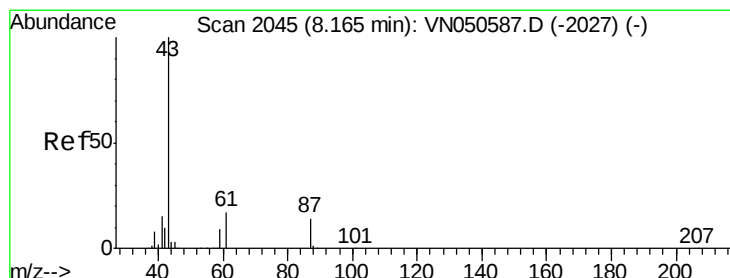
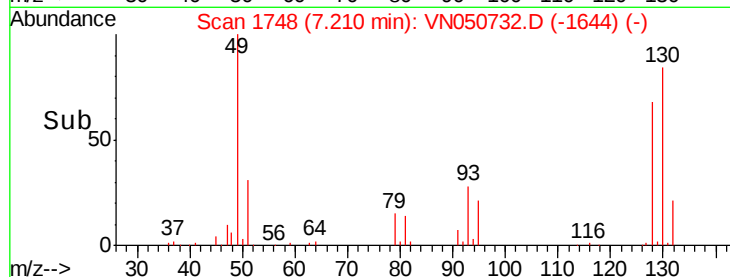
Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#43

Isopropyl Acetate

Concen: 20.39 ug/l

RT: 8.30 min Scan# 2088

Delta R.T. 0.14 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

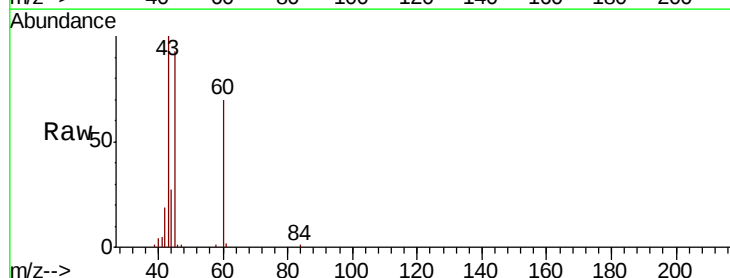
Tgt Ion: 43 Resp: 139346

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

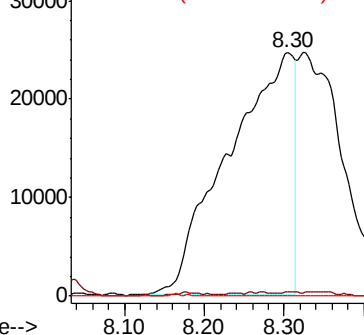
87 0.0 10.9 16.3#



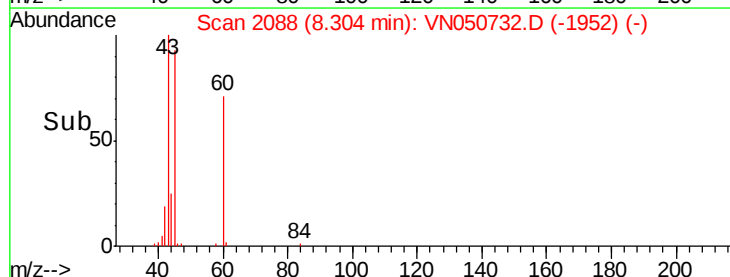
Abundance Ion 43.00 (42.70 to 43.70): VN0

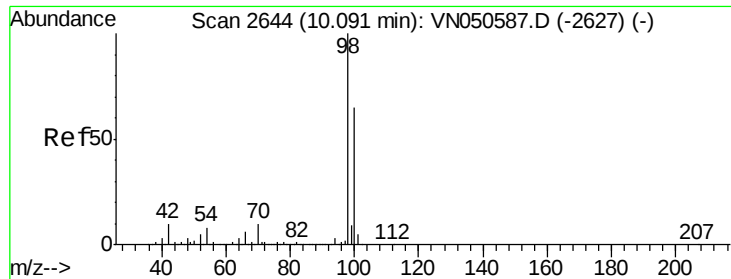
Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->

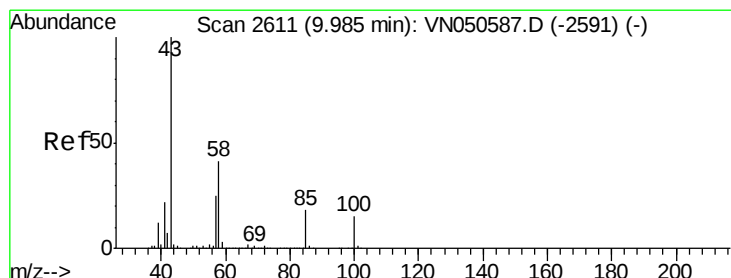
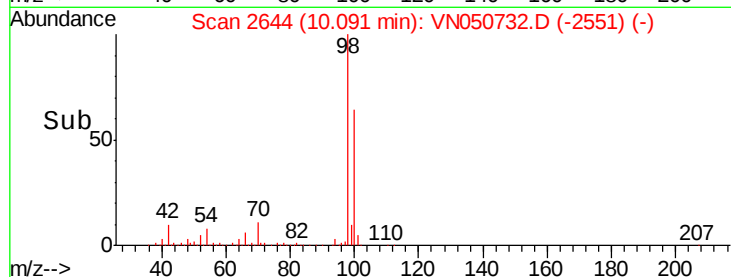
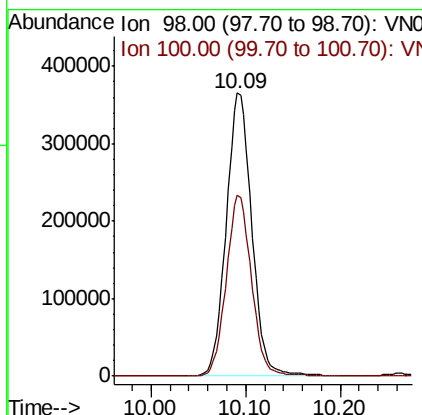
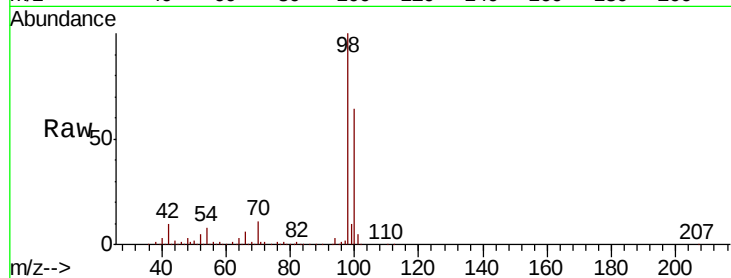




#50
Toluene-d8
Concen: 38.36 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

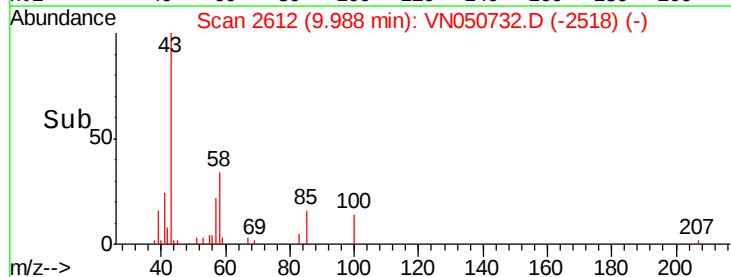
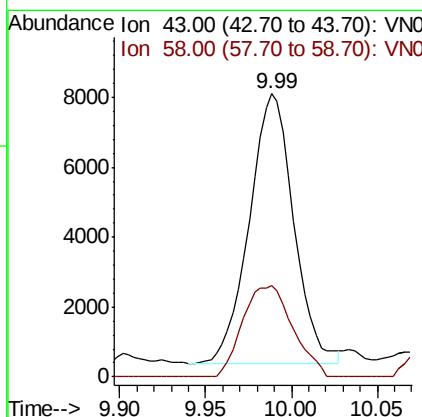
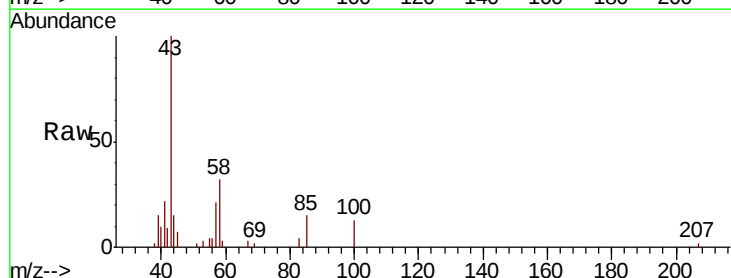
Instrument :
MSVOA_N
ClientSampled :

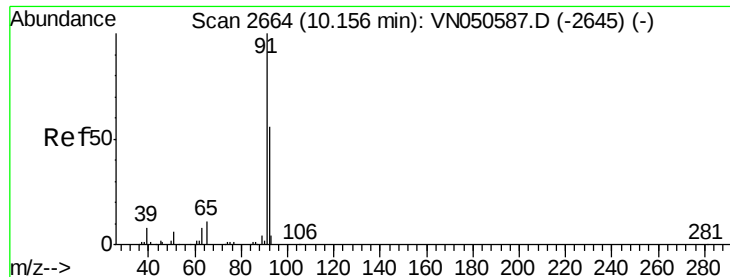
Tot Ion: 98 Resp: 686699
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 2.98 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion: 43 Resp: 13789
Ion Ratio Lower Upper
43 100
58 38.2 32.5 48.7





#52

Toluene

Concen: 98.38 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

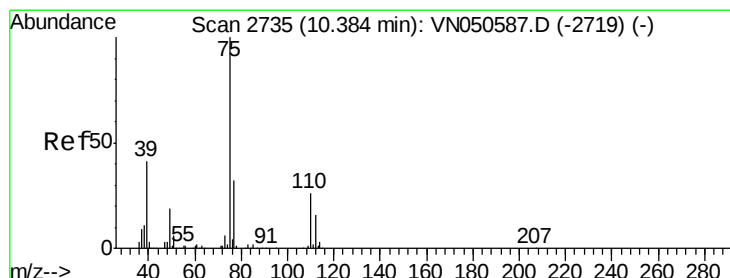
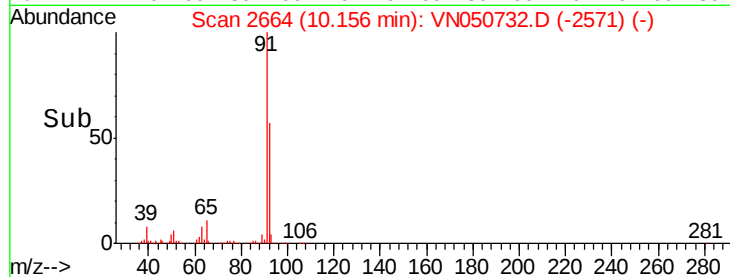
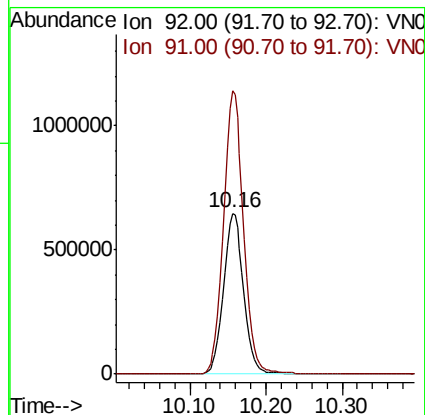
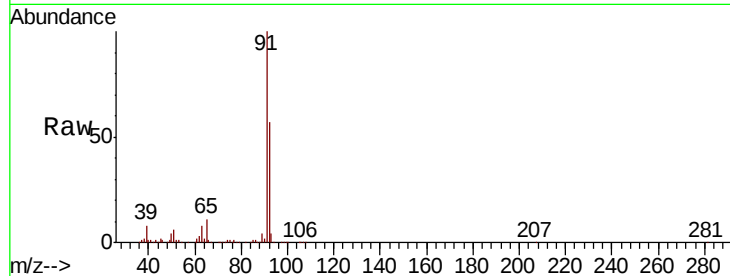
ClientSampled :

Tot Ion: 92 Resp: 1185283

Ion Ratio Lower Upper

92 100

91 176.1 141.9 212.9



#53

t-1,3-Dichloropropene

Concen: 2.05 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.23 min

Lab File: VN050732.D

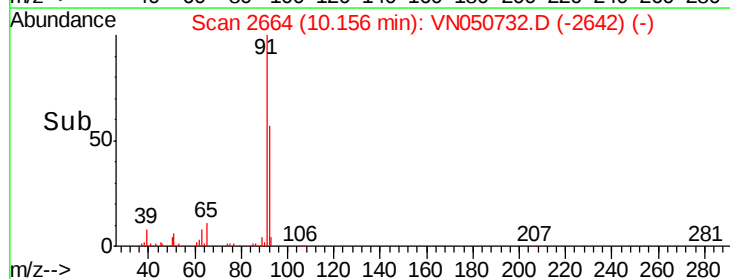
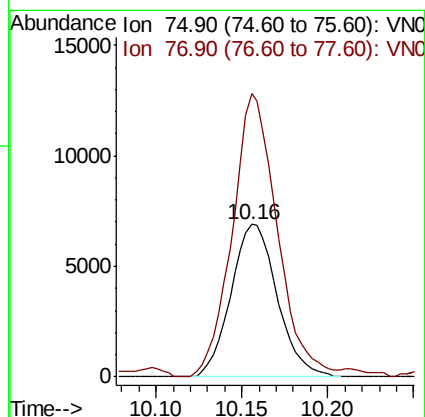
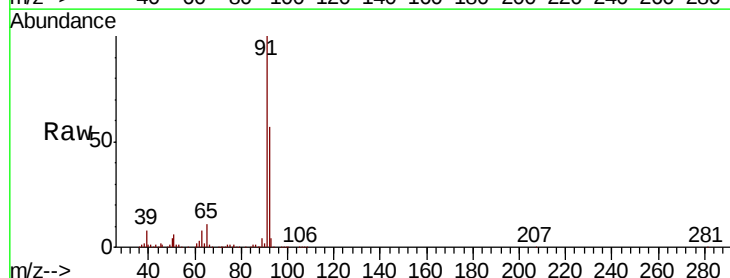
Acq: 17 Aug 2018 16:02

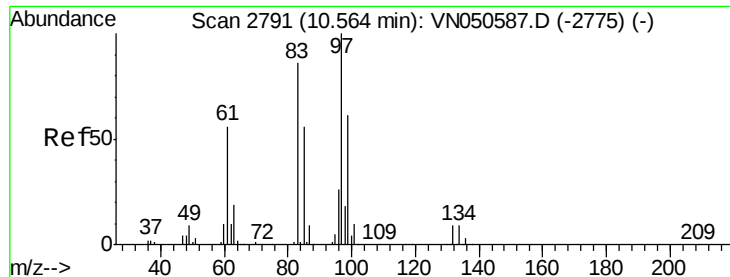
Tgt Ion: 75 Resp: 12928

Ion Ratio Lower Upper

75 100

77 185.6 25.8 38.6#





#55

1,1,2-Trichloroethane

Concen: 0.55 ug/l

RT: 10.41 min Scan# 2744

Delta R.T. -0.15 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 2474

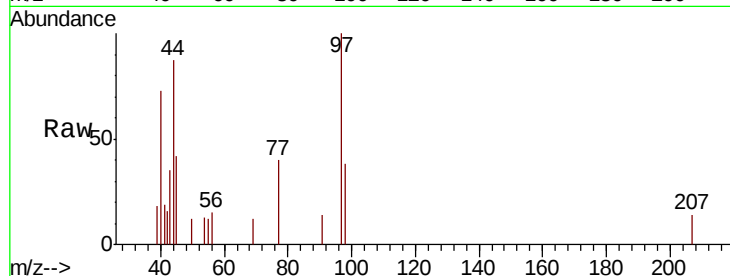
Ion Ratio Lower Upper

97 100

83 0.0 68.5 102.7#

85 0.0 44.6 66.8#

99 0.0 49.1 73.7#

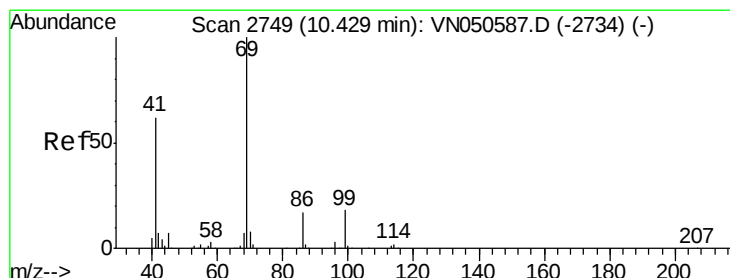
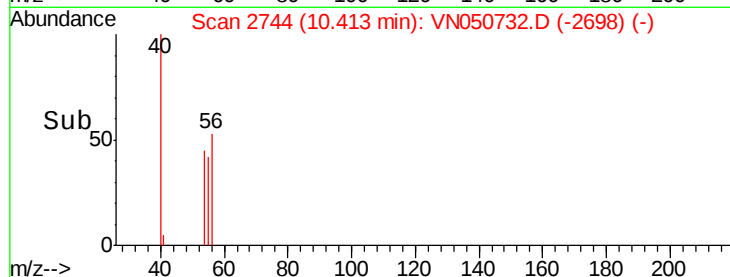
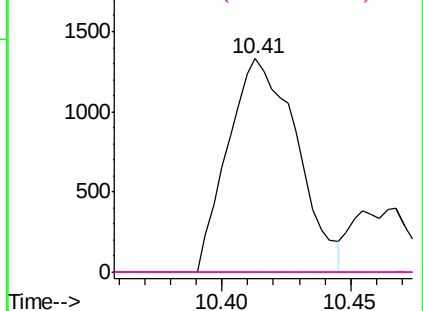


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 1.93 ug/l

RT: 10.42 min Scan# 2745

Delta R.T. -0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

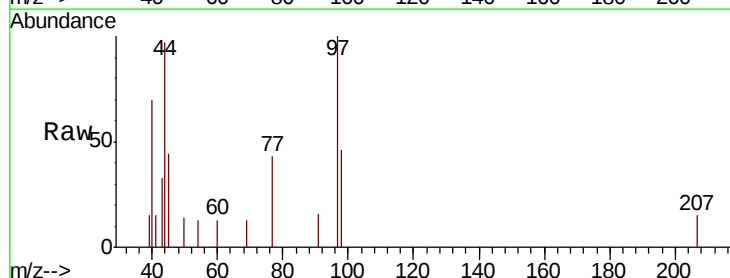
Tgt Ion: 69 Resp: 124

Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

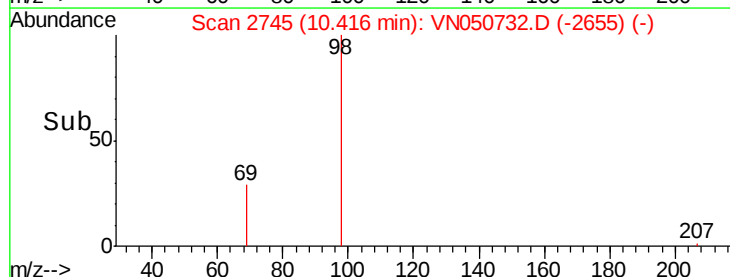
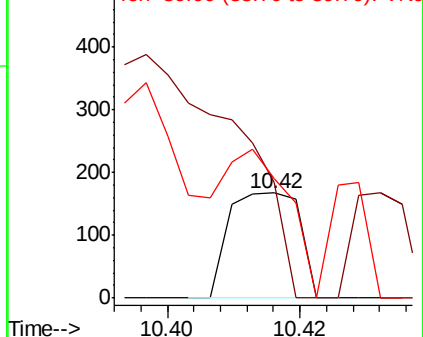
39 0.0 24.2 36.2#

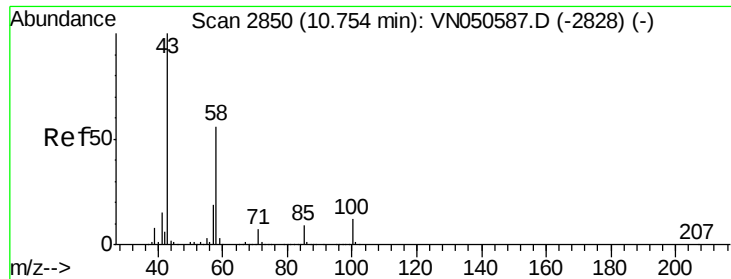


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

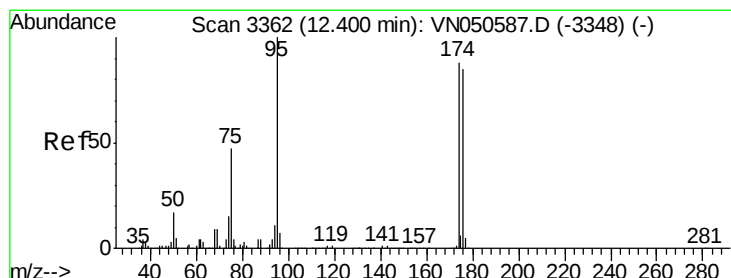
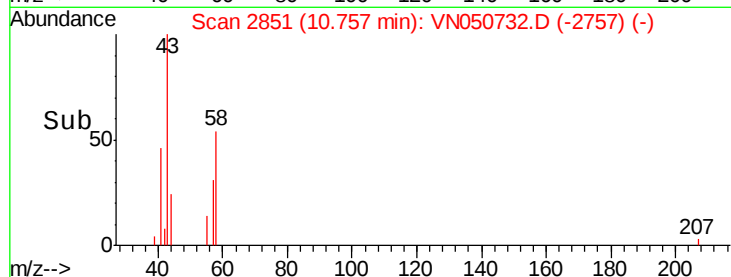
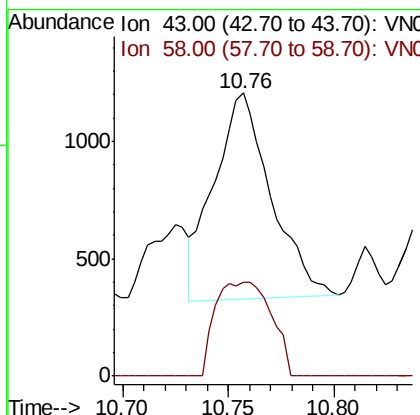
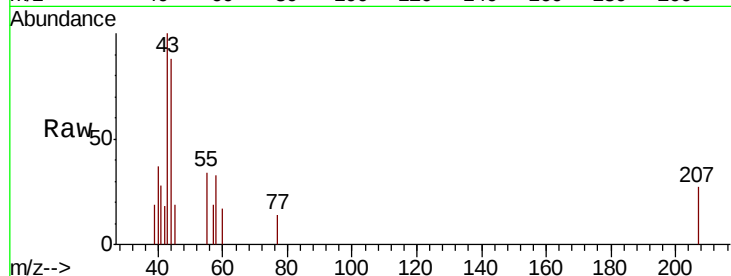




#59
2-Hexanone
Concen: 0.55 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

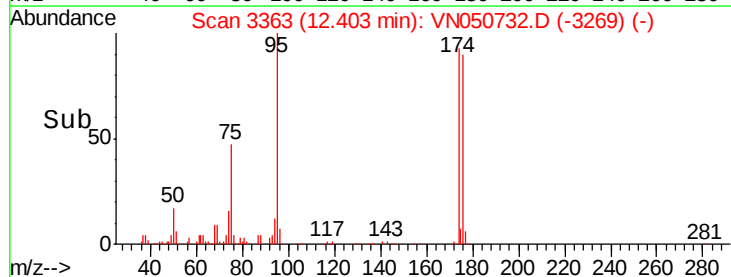
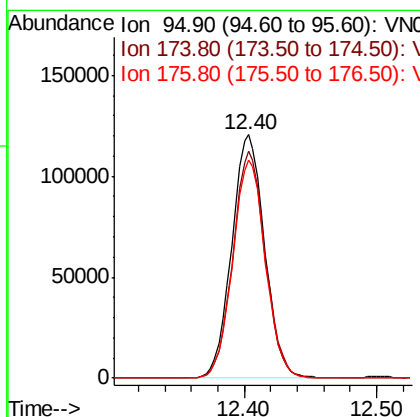
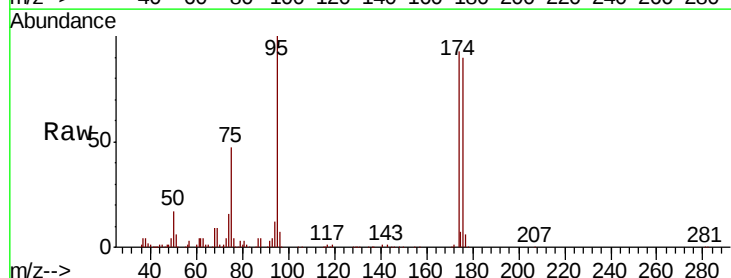
Instrument :
MSVOA_N
ClientSampled :

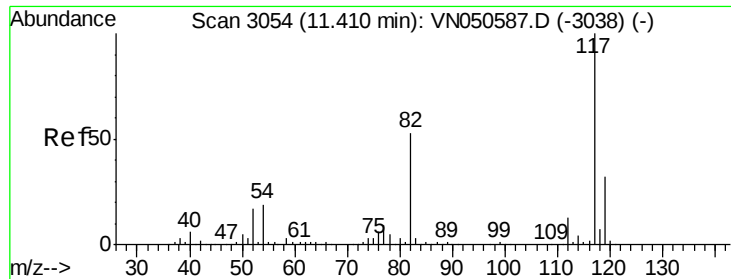
Tot Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 44.6 28.0 84.0



#62
4-Bromofluorobenzene
Concen: 35.09 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion: 95 Resp: 207534
Ion Ratio Lower Upper
95 100
174 91.9 0.0 177.8
176 88.7 0.0 175.0

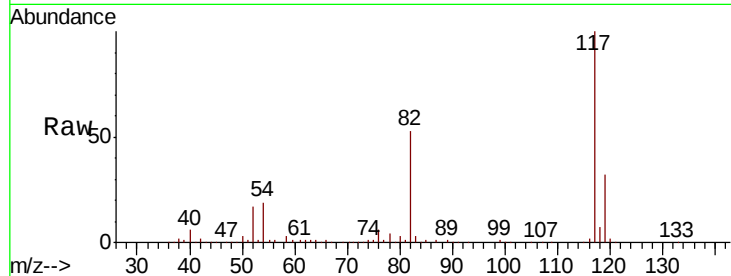




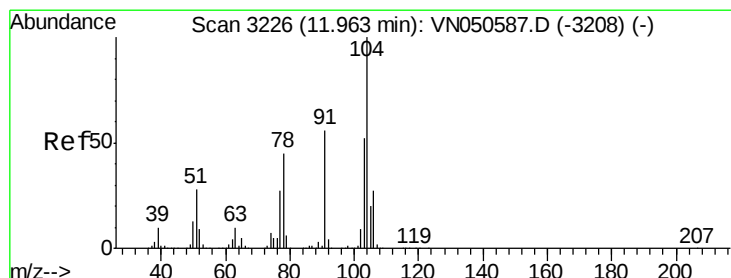
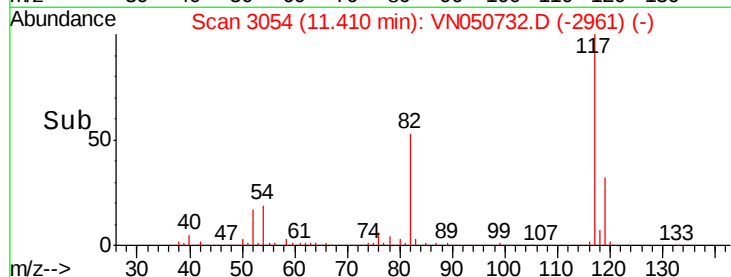
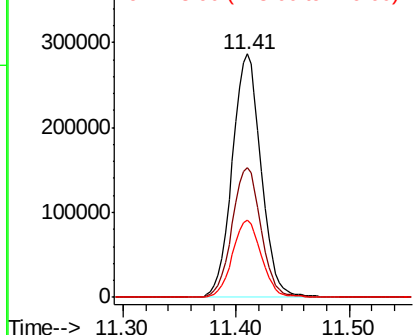
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 508726
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 31.7 25.8 38.8

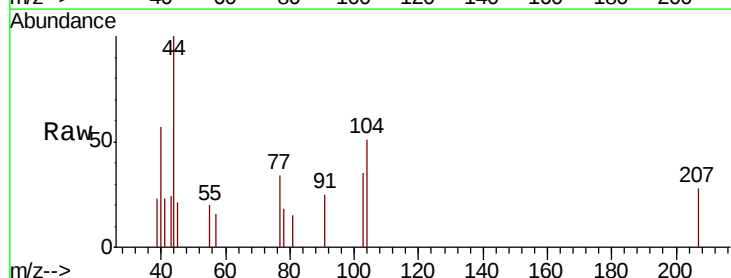


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

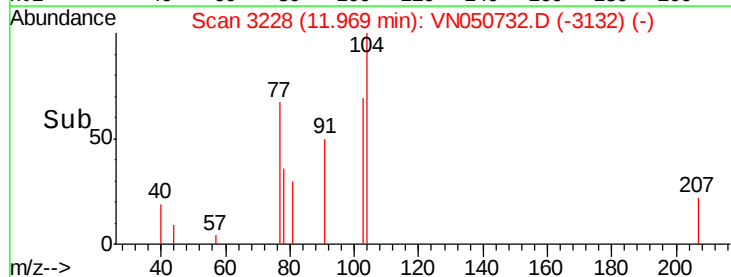
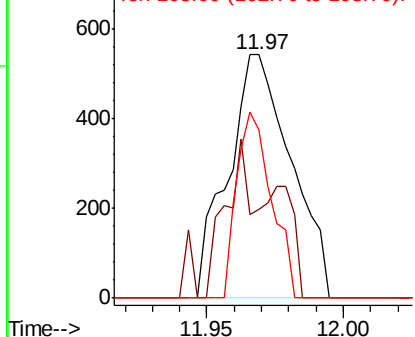


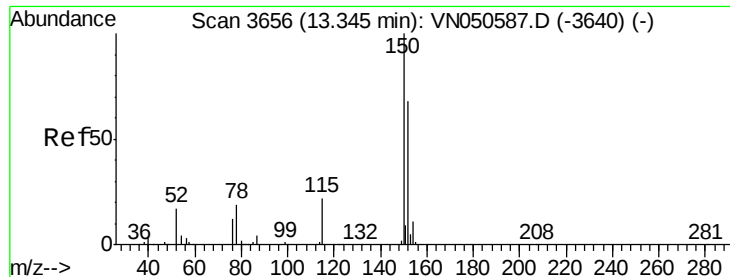
#70
Styrene
Concen: 1.01 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.01 min
Lab File: VN050732.D
Acq: 17 Aug 2018 16:02

Tgt Ion:104 Resp: 874
Ion Ratio Lower Upper
104 100
78 29.3 39.1 58.7#
103 42.0 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

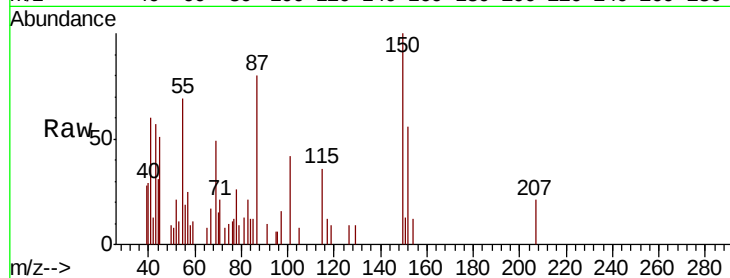
Tot Ion:152 Resp: 2651

Ion Ratio Lower Upper

152 100

115 38.5 28.1 84.2

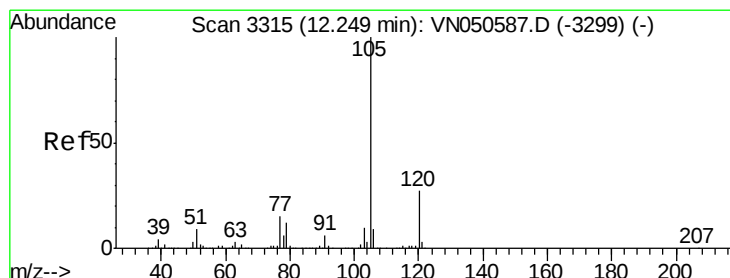
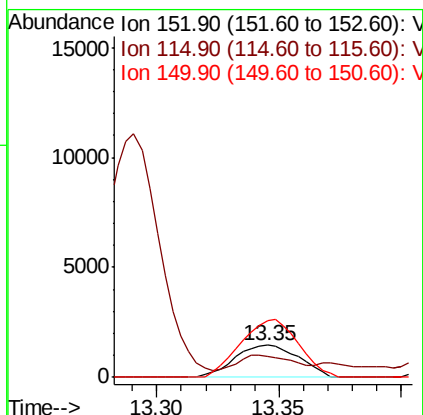
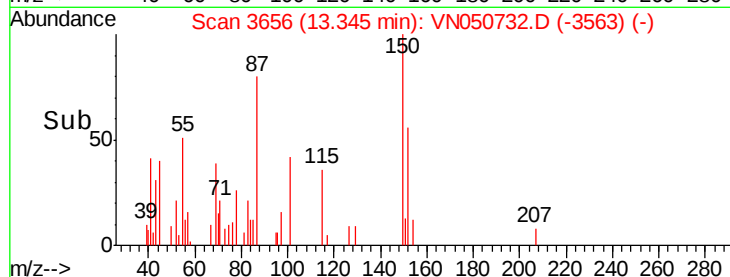
150 163.7 0.0 347.8



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



#73

Isopropylbenzene

Concen: 2.43 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050732.D

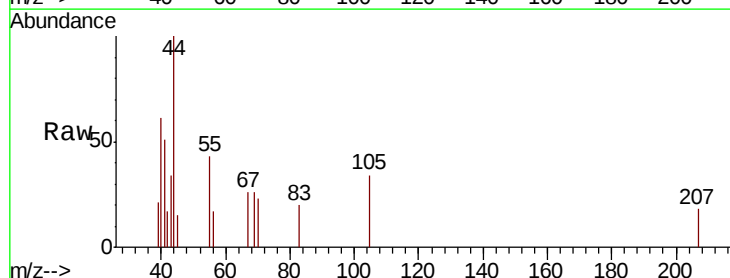
Acq: 17 Aug 2018 16:02

Tgt Ion:105 Resp: 504

Ion Ratio Lower Upper

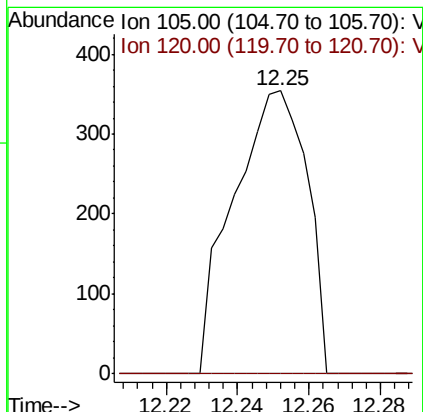
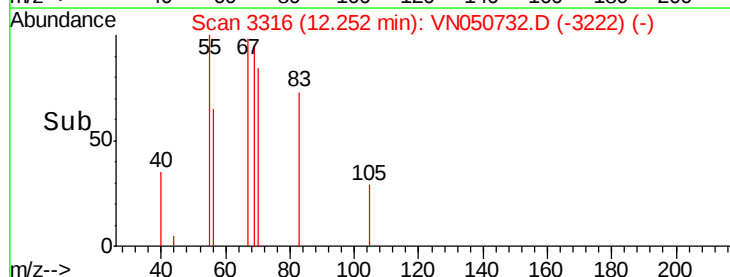
105 100

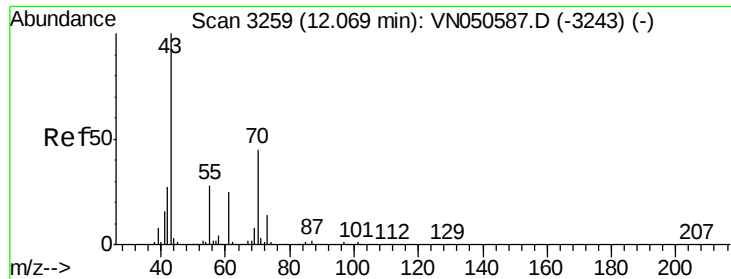
120 0.0 13.4 40.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2119.11 ug/l

RT: 11.81 min Scan# 3178

Delta R.T. -0.26 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 114192

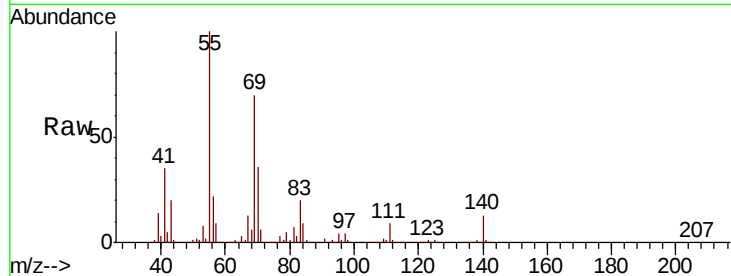
Ion Ratio Lower Upper

43 100

70 179.0 35.9 53.9#

55 495.6 22.2 33.4#

61 0.1 20.0 30.0#

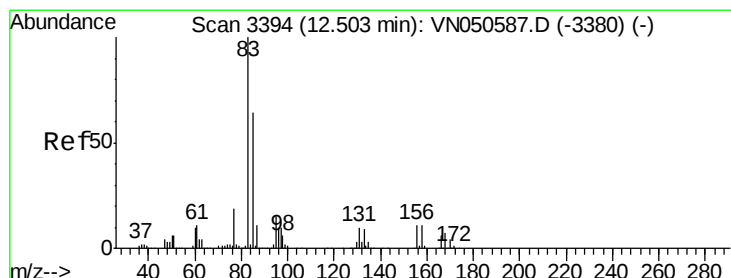
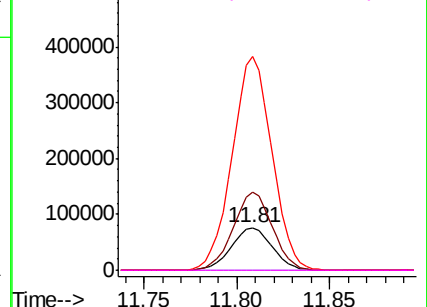
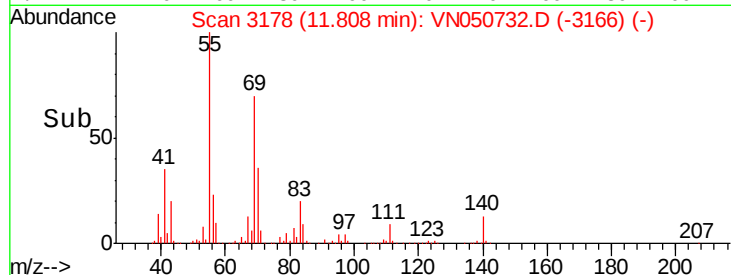


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.73 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

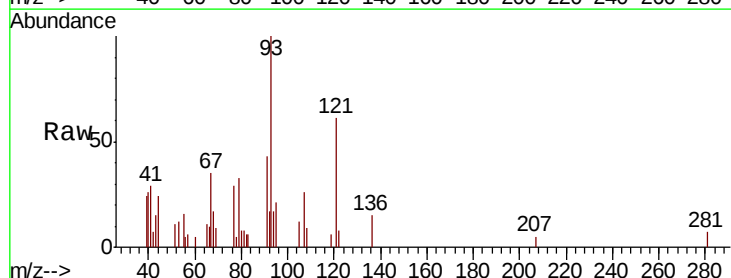
Tgt Ion: 83 Resp: 145

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

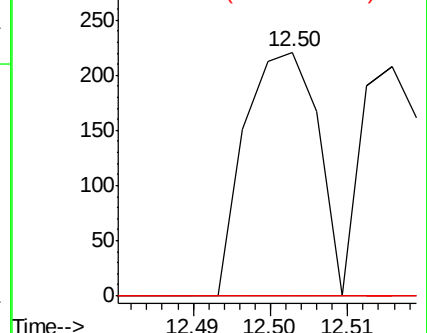
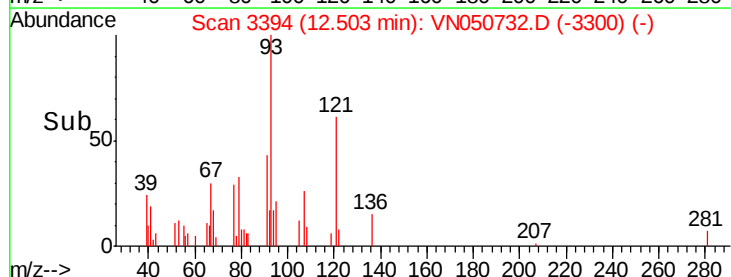
85 0.0 32.1 96.5#

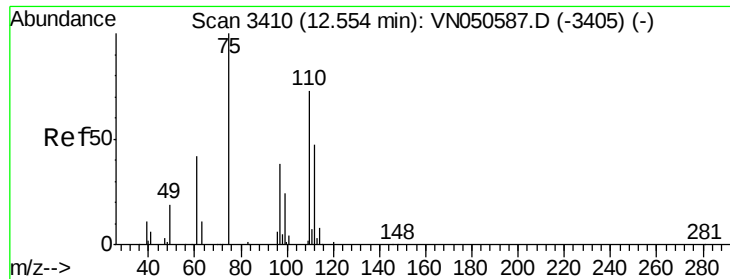


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 2350.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

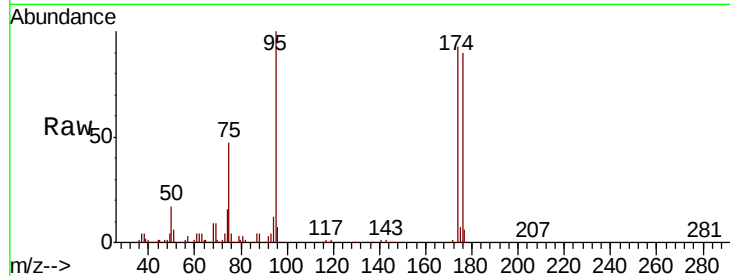
ClientSampled :

Tot Ion: 75 Resp: 98671

Ion Ratio Lower Upper

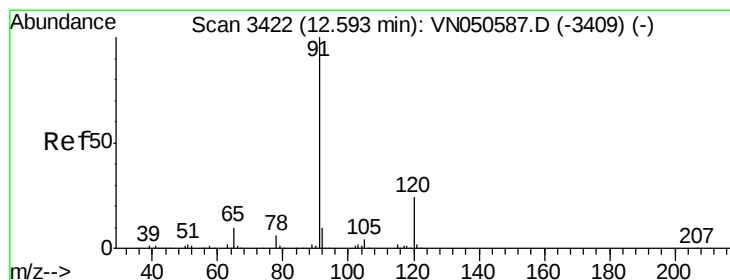
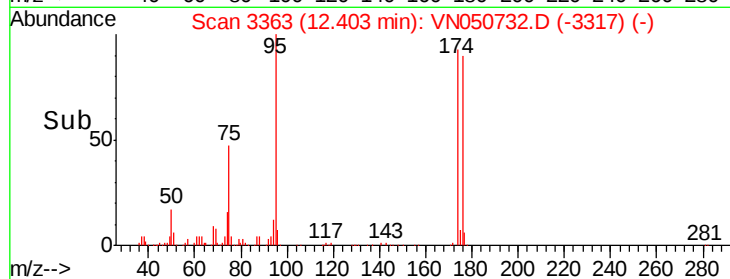
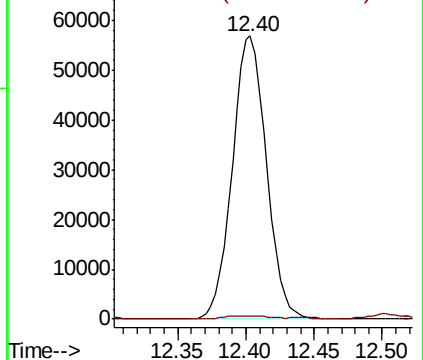
75 100

77 1.5 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: 5.81 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050732.D

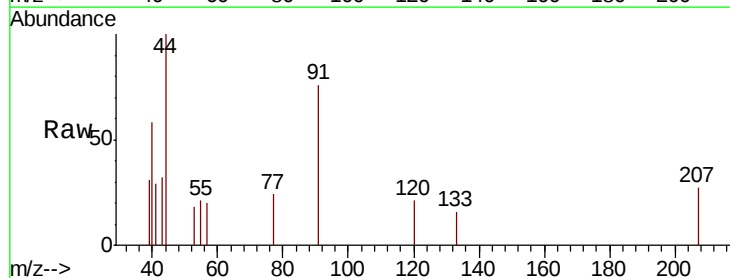
Acq: 17 Aug 2018 16:02

Tgt Ion: 91 Resp: 1341

Ion Ratio Lower Upper

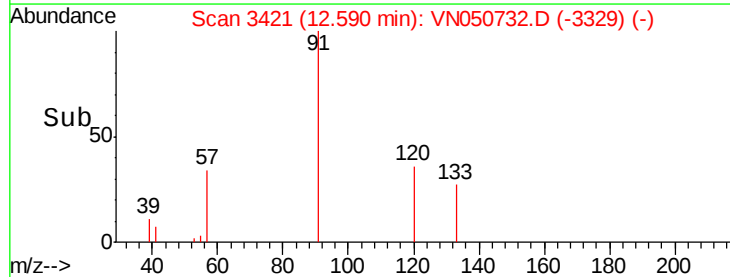
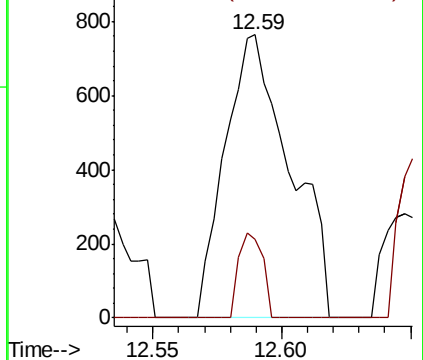
91 100

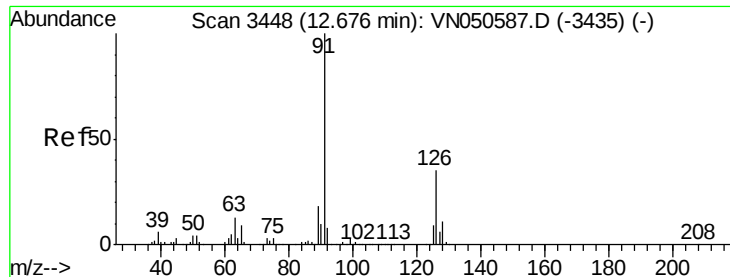
120 11.0 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.22 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. -0.03 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

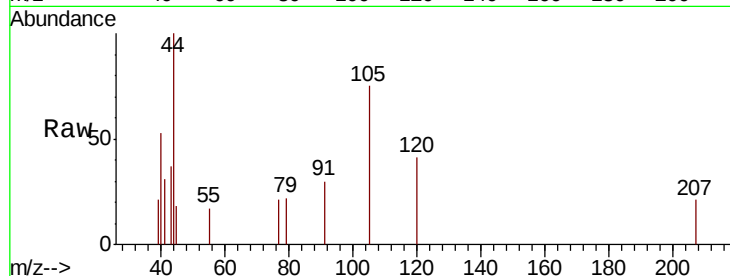
ClientSampleId :

Tot Ion: 91 Resp: 319

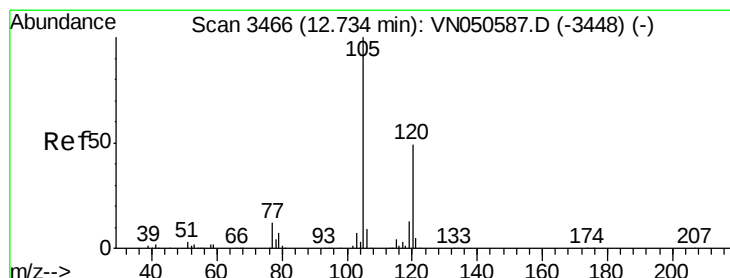
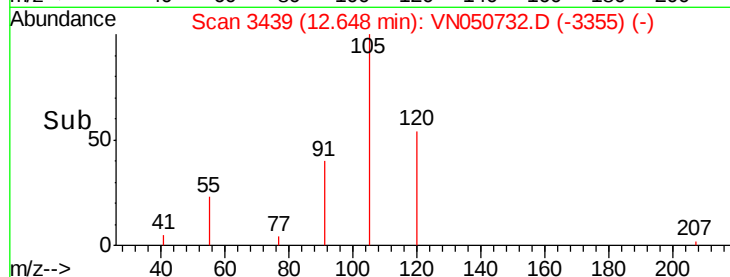
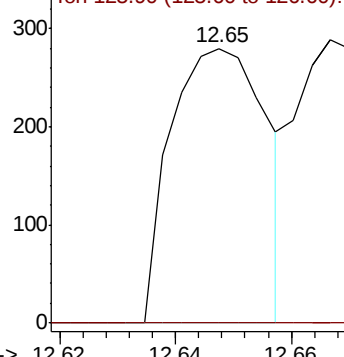
Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 8.51 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050732.D

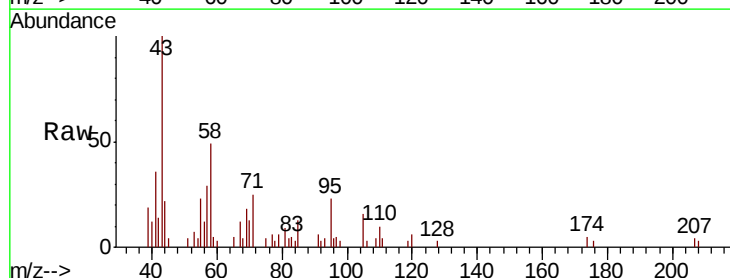
Acq: 17 Aug 2018 16:02

Tgt Ion: 105 Resp: 1411

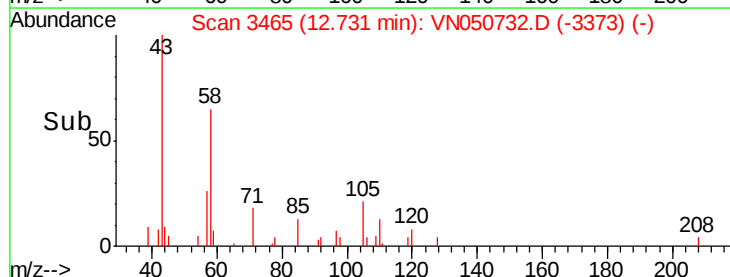
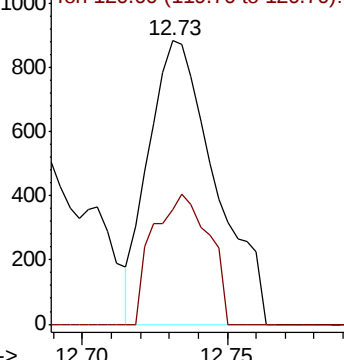
Ion Ratio Lower Upper

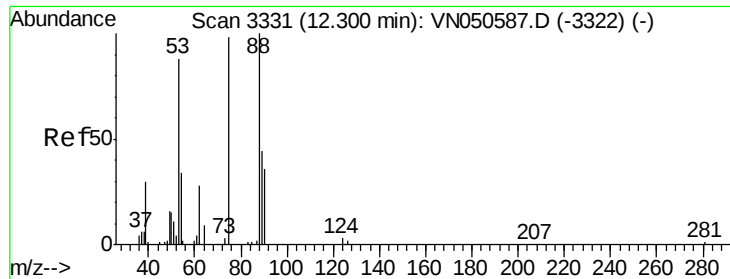
105 100

120 38.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 8274.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

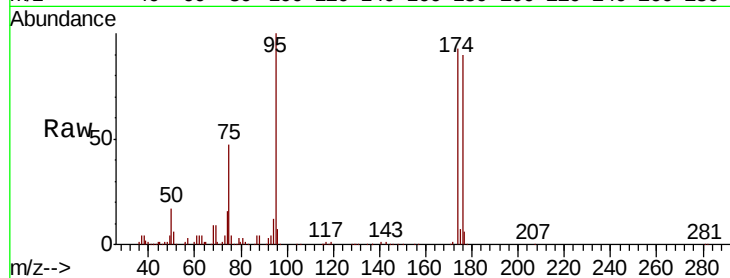
Tot Ion: 75 Resp: 98671

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

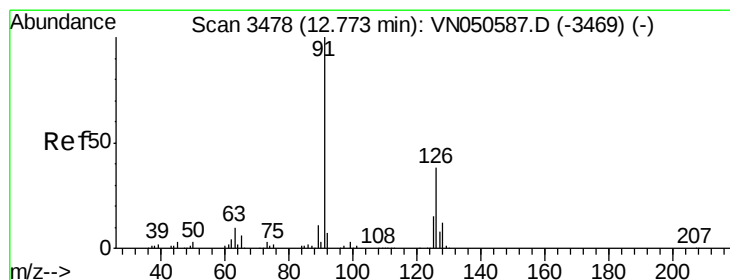
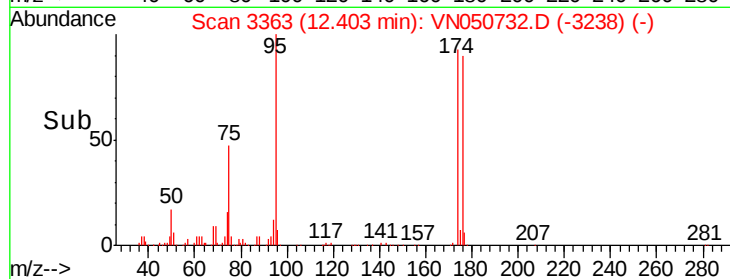
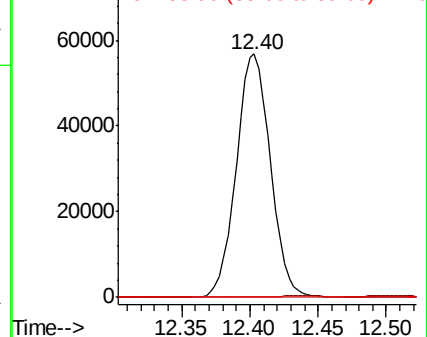
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.20 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.04 min

Lab File: VN050732.D

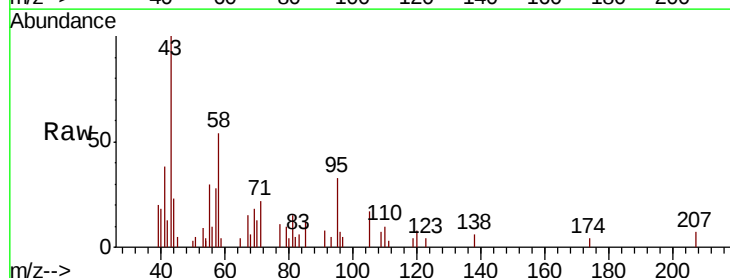
Acq: 17 Aug 2018 16:02

Tgt Ion: 91 Resp: 598

Ion Ratio Lower Upper

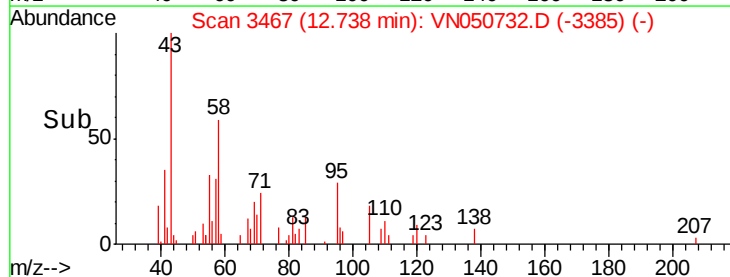
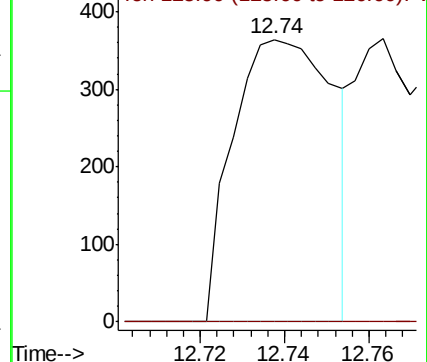
91 100

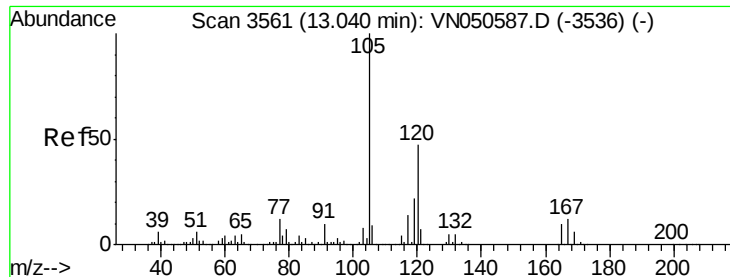
126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

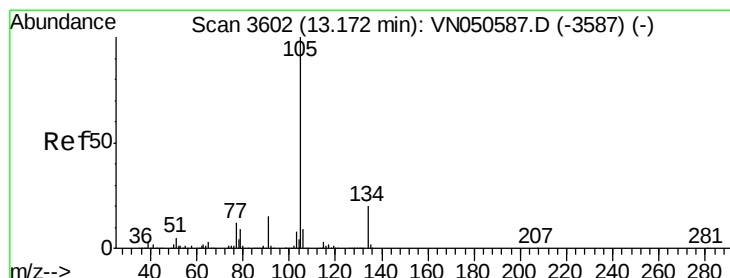
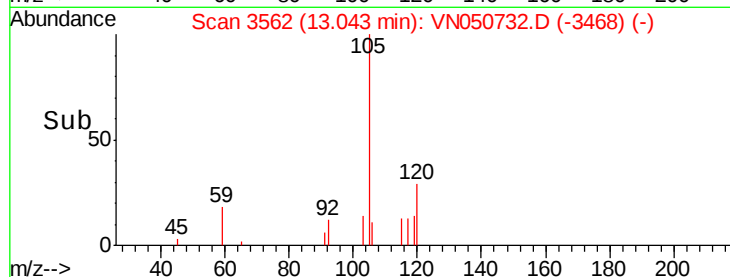
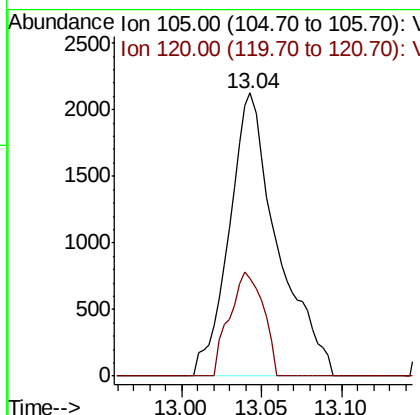
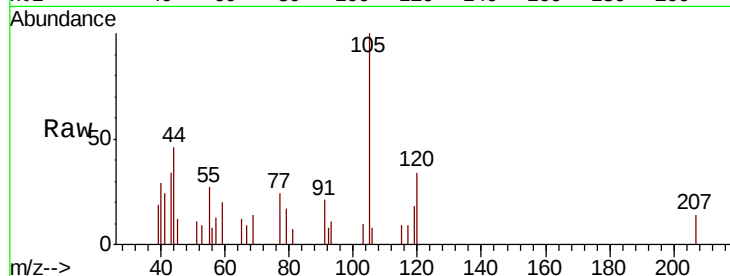




#84
 1,2,4-Trimethylbenzene
 Concen: 26.32 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

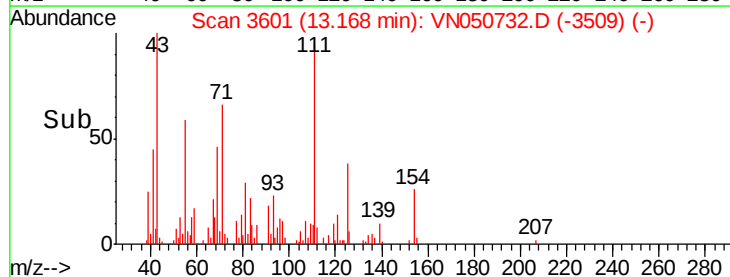
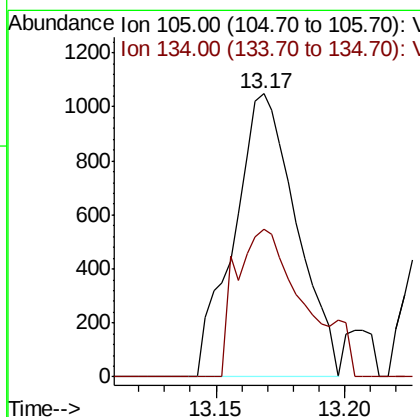
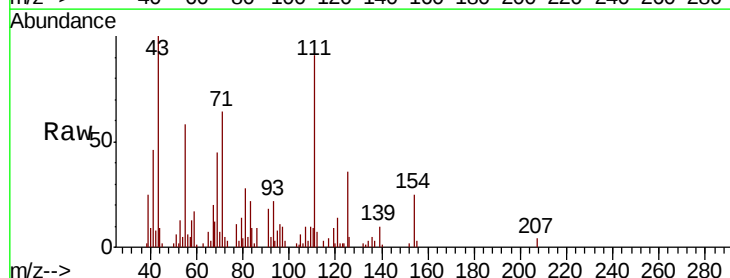
Instrument :
 MSVOA_N
 ClientSampled :

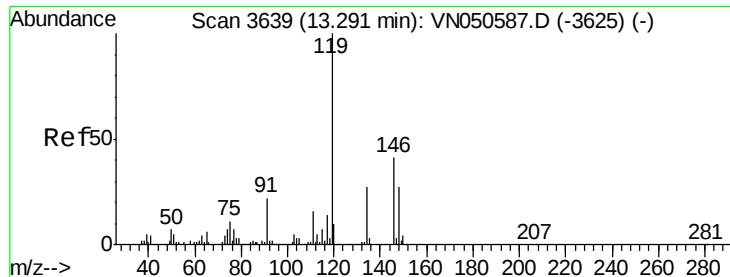
Tot Ion:105 Resp: 4381
 Ion Ratio Lower Upper
 105 100
 120 25.3 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 9.40 ug/l
 RT: 13.17 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion:105 Resp: 1769
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

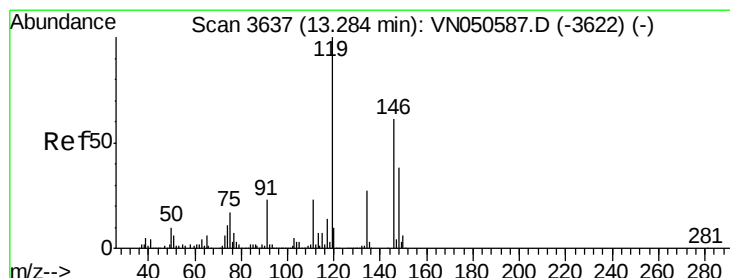
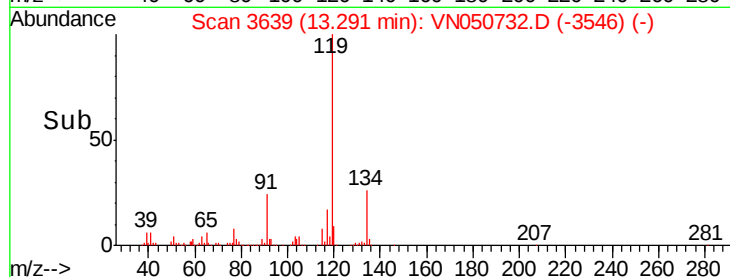
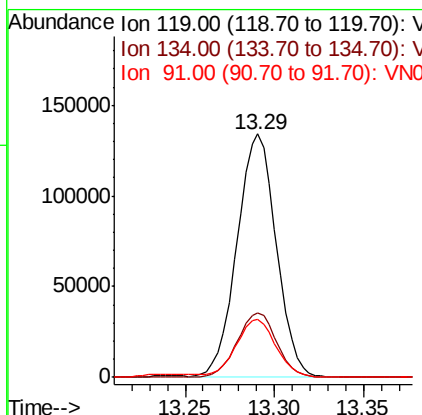
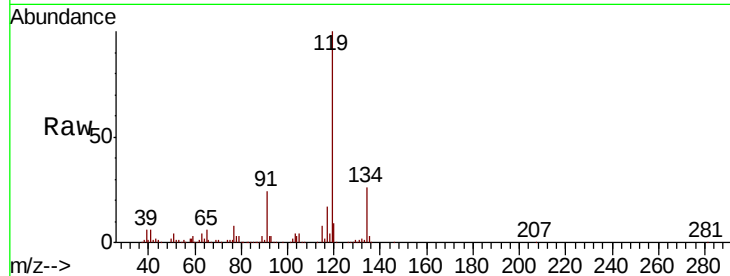




#86
 p-Isopropyltoluene
 Concen: 1297.26 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

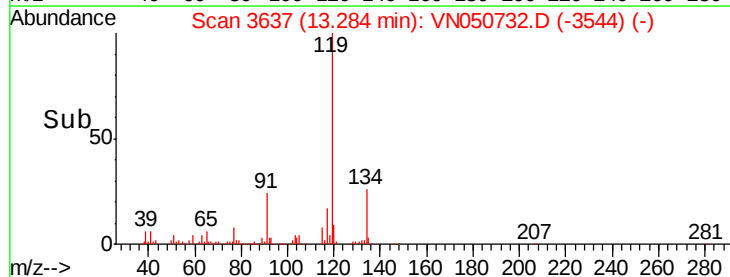
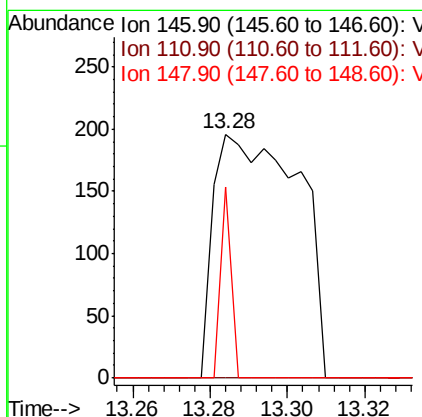
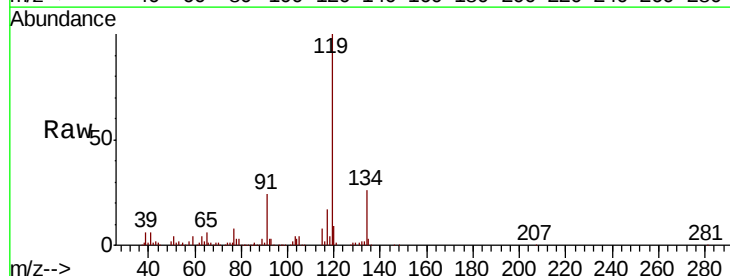
Instrument :
 MSVOA_N
 ClientSampleId :

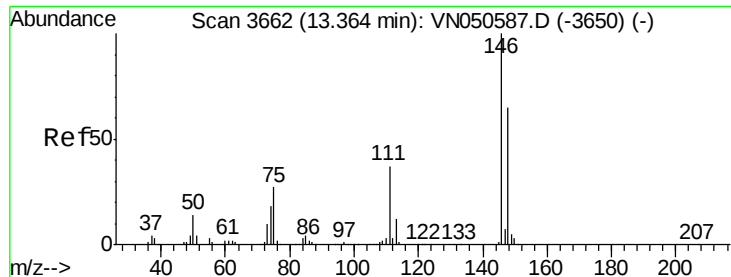
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	23.8	11.2	33.6



#87
 1,3-Dichlorobenzene
 Concen: 3.12 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050732.D
 Acq: 17 Aug 2018 16:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.2	57.6#
148	10.0	31.9	95.7#





#88

1,4-Dichlorobenzene

Concen: 4.59 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

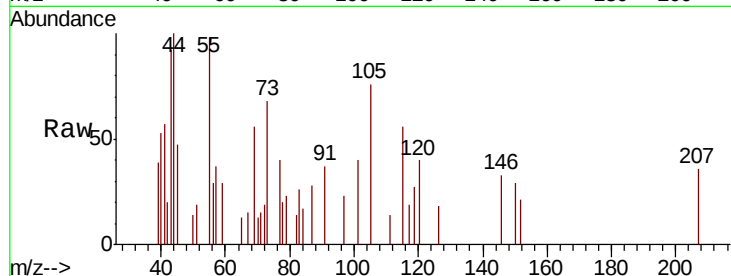
Tot Ion:146 Resp: 436

Ion Ratio Lower Upper

146 100

111 0.0 18.8 56.4#

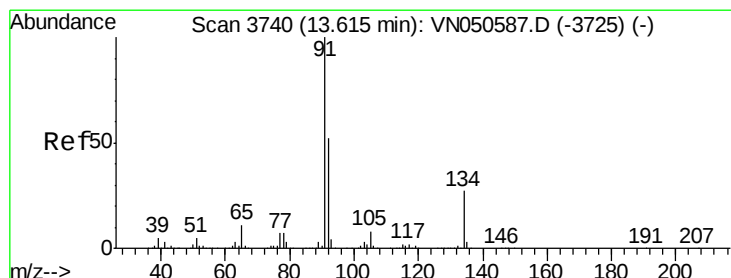
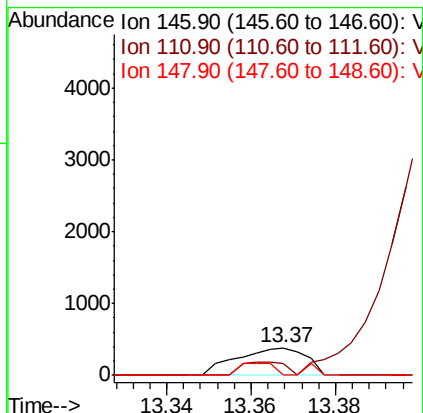
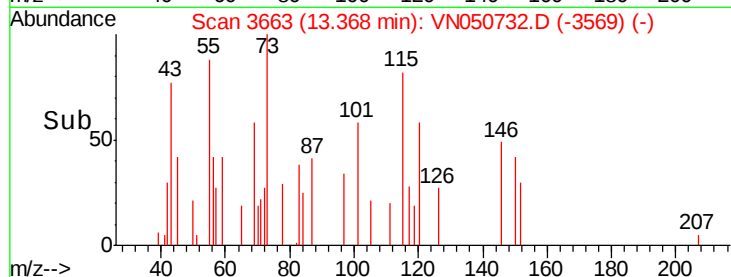
148 7.1 32.3 96.8#



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



#89

n-Butylbenzene

Concen: 50.68 ug/l

RT: 13.51 min Scan# 3706

Delta R.T. -0.11 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

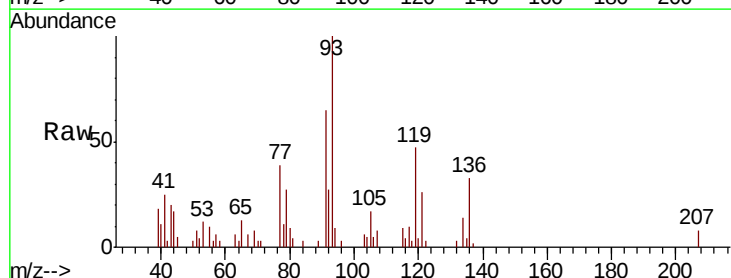
Tgt Ion: 91 Resp: 6523

Ion Ratio Lower Upper

91 100

92 42.3 26.3 78.8

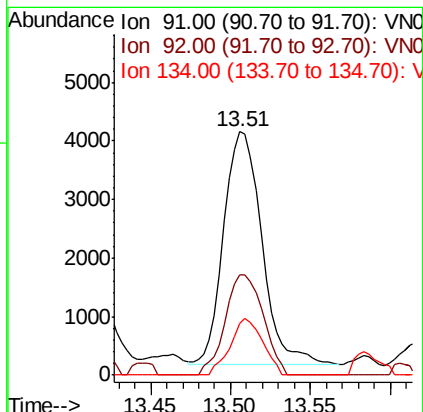
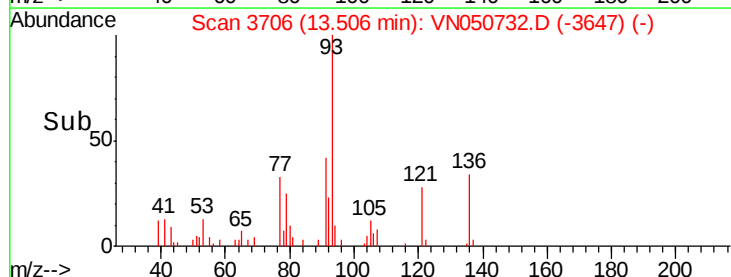
134 20.3 13.3 39.9

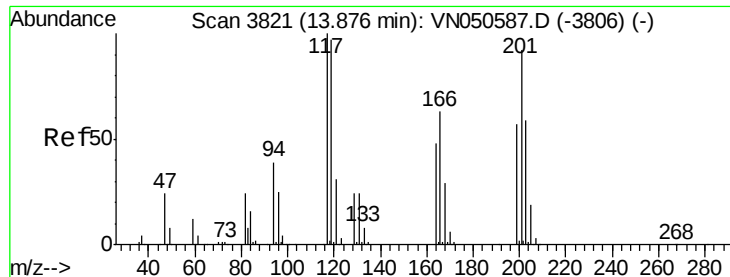


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 56.34 ug/l

RT: 13.95 min Scan# 3844

Delta R.T. 0.07 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

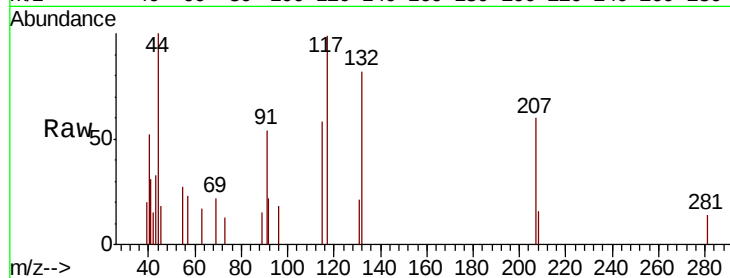
ClientSampleId :

Tot Ion:117 Resp: 1806

Ion Ratio Lower Upper

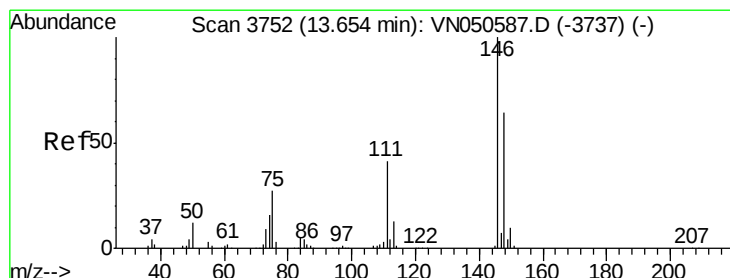
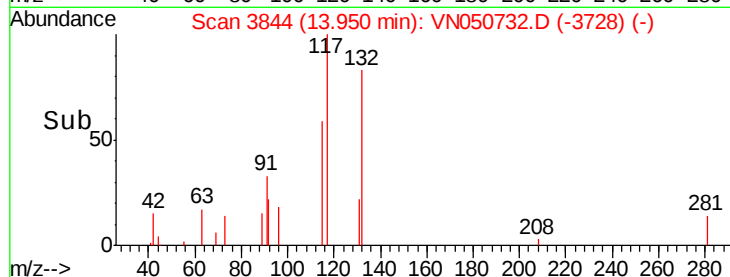
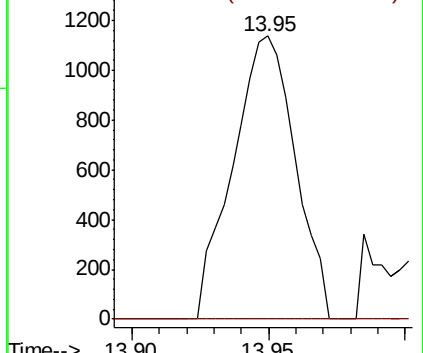
117 100

201 0.0 45.5 136.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.66 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

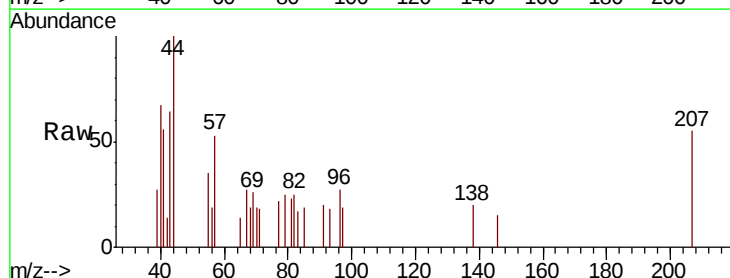
Tgt Ion:146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

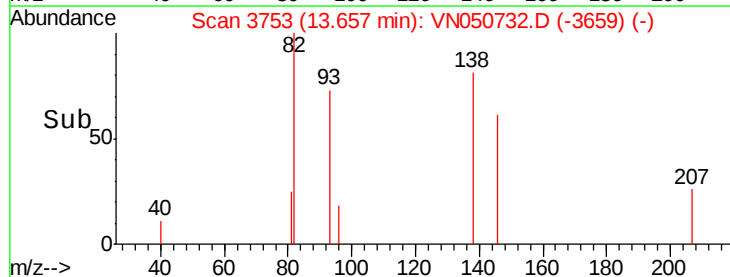
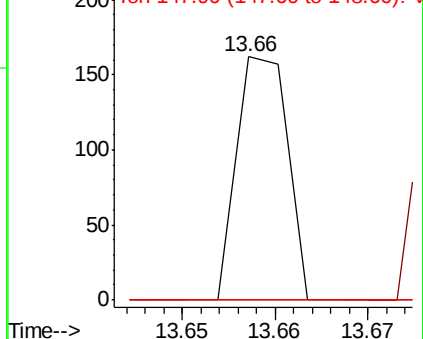
148 0.0 32.3 96.8#

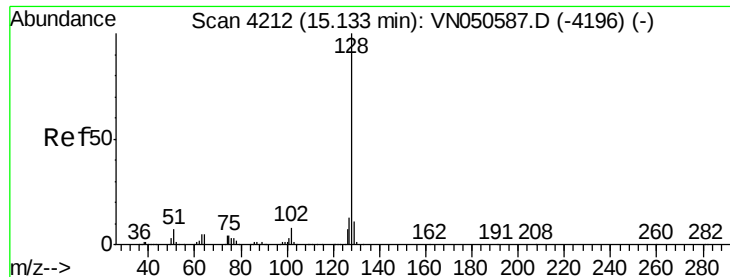


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 20.49 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

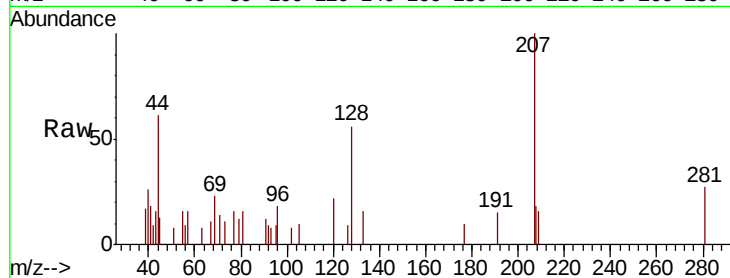
Tot Ion:128 Resp: 1838

Ion Ratio Lower Upper

128 100

127 3.4 10.3 15.5#

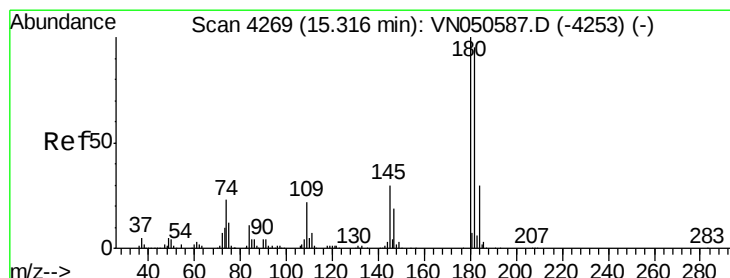
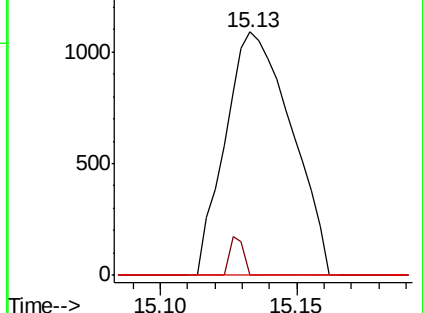
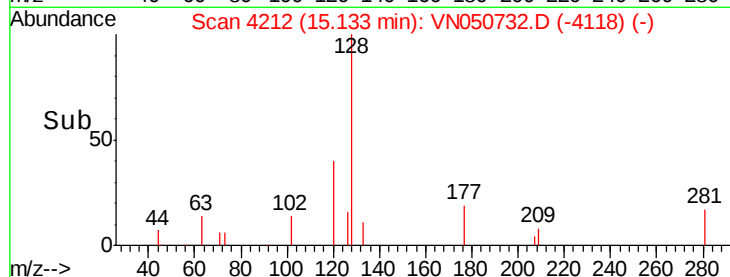
129 0.0 8.5 12.7#



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: 3.27 ug/l

RT: 15.30 min Scan# 4265

Delta R.T. -0.01 min

Lab File: VN050732.D

Acq: 17 Aug 2018 16:02

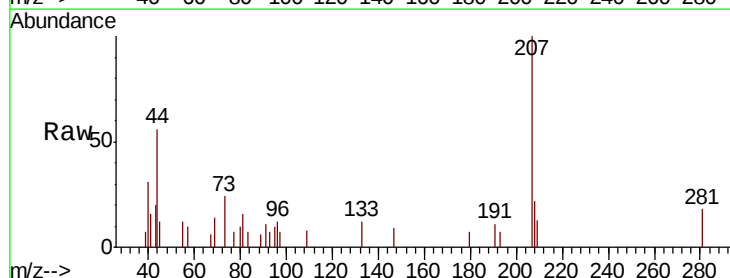
Tgt Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 101.6 47.3 141.8

145 0.0 14.6 44.0#



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

