

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050747.D
 Acq On : 18 Aug 2018 3:19
 Operator : MD\SY
 Sample : J4486-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 04:28:42 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	7.67	168	648587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	869635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284662	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	424732	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.59	113	400795	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	10.09	98	1434921	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.40	95	375666	36.73	ug/l	0.00
Spiked Amount			Recovery	=	73.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3376	Below Cal	#	83
5) Bromomethane	2.57	94	3314	Below Cal		91
6) Chloroethane	2.67	64	97	Below Cal	#	43
10) Methyl Iodide	3.96	142	746	7.07	ug/l	# 42
11) Tert butyl alcohol	4.79	59	286	0.64	ug/l	# 72
14) Allyl chloride	4.54	41	1908951	174.38	ug/l	# 26
16) Acetone	3.82	43	29740	13.20	ug/l	98
18) Methyl Acetate	4.34	43	13005	1.30	ug/l	# 88
25) 2-Butanone	6.85	43	7785	2.32	ug/l	# 88
28) Bromochloromethane	7.20	49	91623	13.86	ug/l	99
29) Tetrahydrofuran	7.23	42	1224	0.70	ug/l	# 80
30) Chloroform	7.38	83	11757	0.80	ug/l	87
31) Cyclohexane	7.67	56	11407	0.58	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	44131	3.85	ug/l	# 48
37) Ethyl Acetate	6.85	43	7785	1.20	ug/l	# 75
38) Carbon Tetrachloride	7.67	117	58164	4.89	ug/l	# 17
43) Isopropyl Acetate	8.17	43	224090	18.97	ug/l	100
47) Bromodichloromethane	9.40	83	2812	0.24	ug/l	# 92
48) Methyl methacrylate	9.18	41	7162	1.20	ug/l	# 21
51) 4-Methyl-2-Pentanone	9.99	43	2669	0.33	ug/l	# 86
56) Ethyl methacrylate	10.23	69	1714	2.07	ug/l	# 72
58) 2-Chloroethyl Vinyl ether	9.66	63	233	10.46	ug/l	# 48
59) 2-Hexanone	10.77	43	13246	2.57	ug/l	# 57
71) Bromoform	12.40	173	2658	0.49	ug/l	# 1
73) Isopropylbenzene	12.25	105	6513	0.29	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.41	83	162	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	175944	38.01	ug/l	# 100
78) n-propylbenzene	12.59	91	15133	0.61	ug/l	97
79) 2-Chlorotoluene	12.59	91	15133	0.98	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	12.40	75	175944	137.41	ug/l	# 13
82) 4-Chlorotoluene	12.59	91	15133	0.99	ug/l	# 40
85) sec-Butylbenzene	13.17	105	7271	0.36	ug/l	82
89) n-Butylbenzene	13.61	91	3691	0.27	ug/l	# 69
90) Hexachloroethane	13.89	117	3418	0.99	ug/l	# 4

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QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

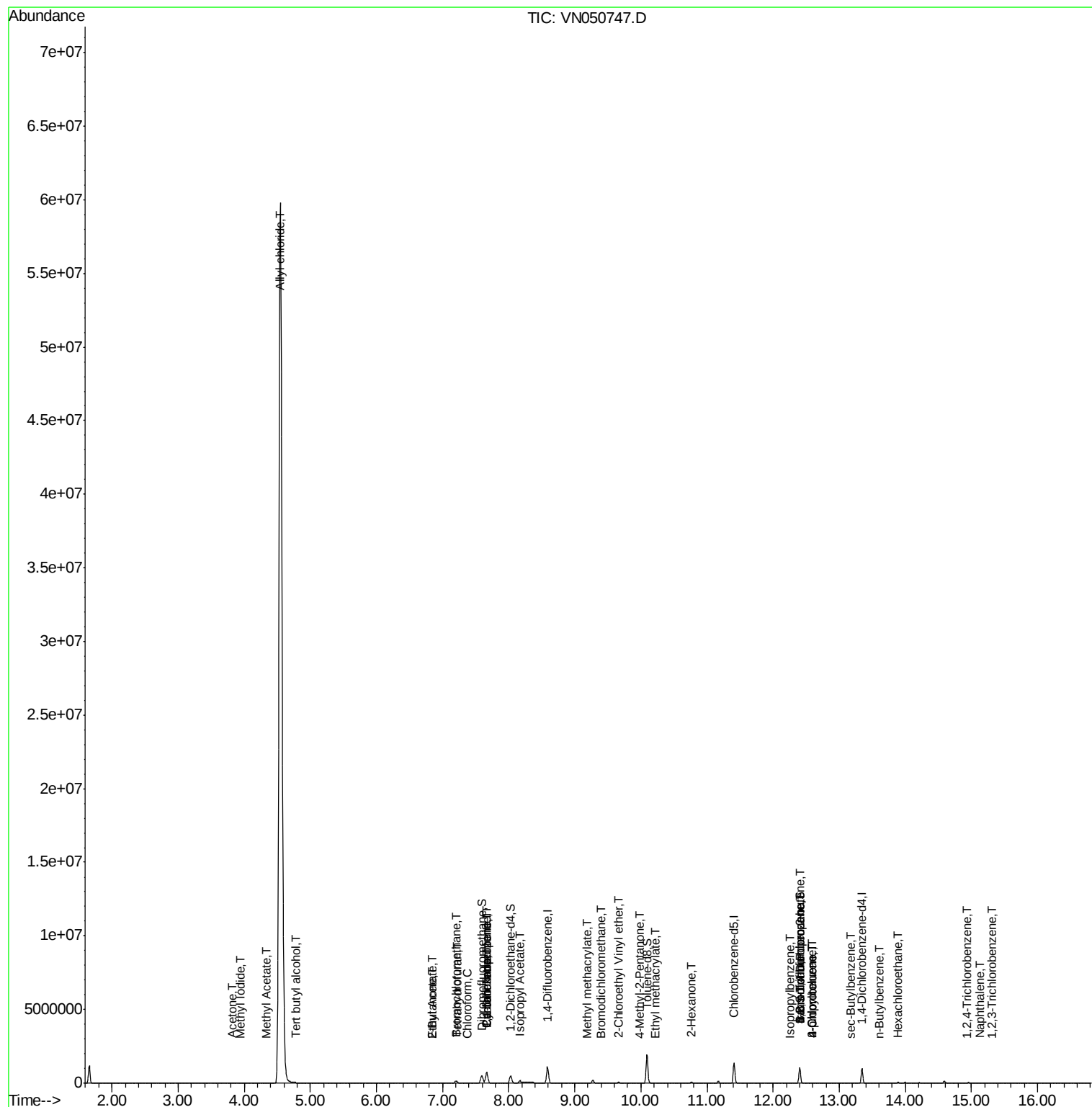
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	279	2.73	ug/l #	1
95) Naphthalene	15.13	128	15060	5.13	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	224	1.98	ug/l #	1

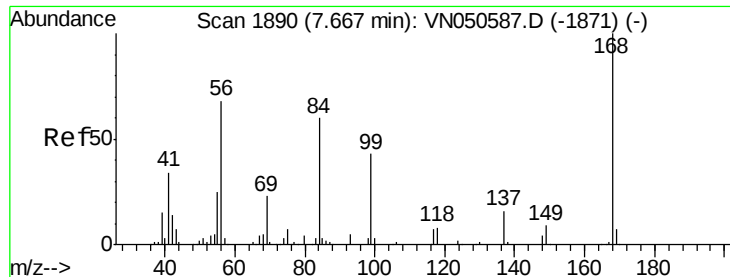
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

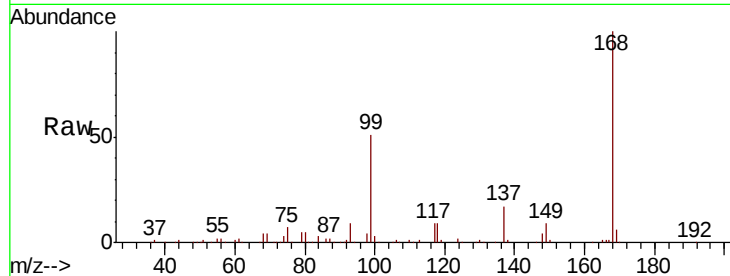
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 648587

Ion Ratio Lower Upper

168 100

99 50.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

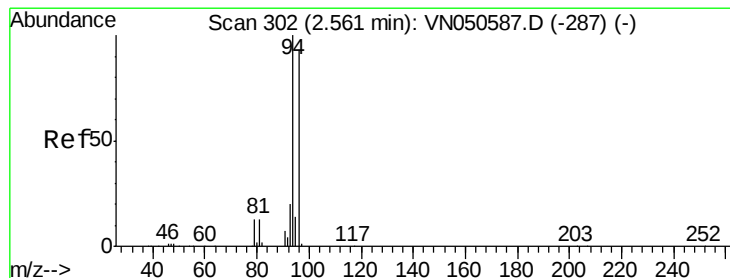
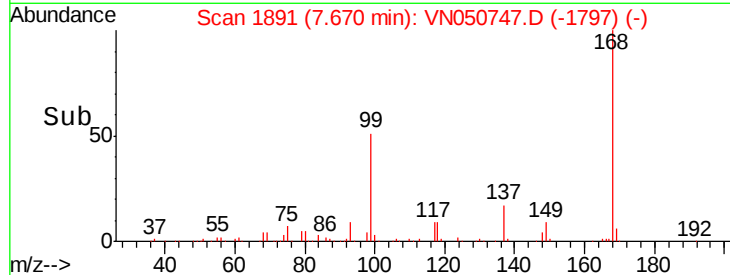
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050747.D

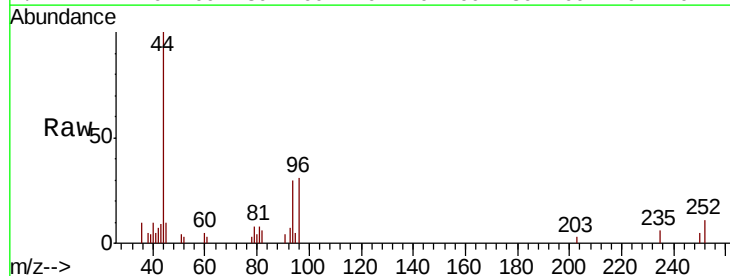
Acq: 18 Aug 2018 3:19

Tgt Ion: 94 Resp: 3314

Ion Ratio Lower Upper

94 100

96 101.0 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1500

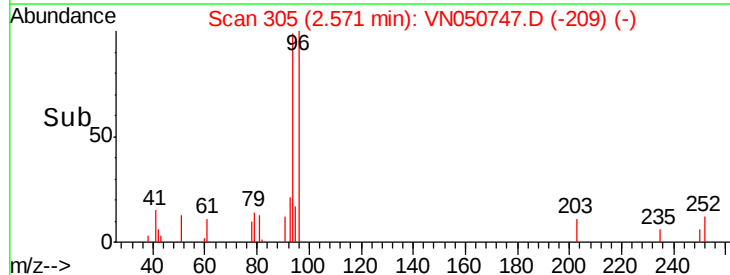
1000

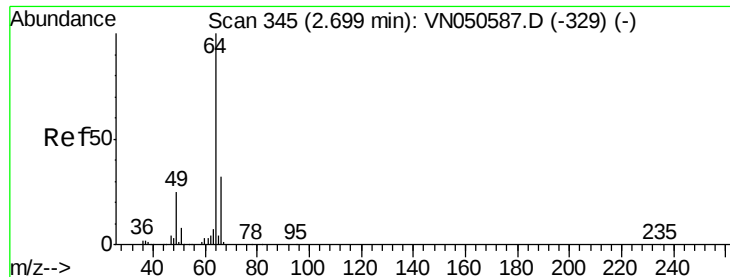
500

0

2.50 2.55 2.60

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

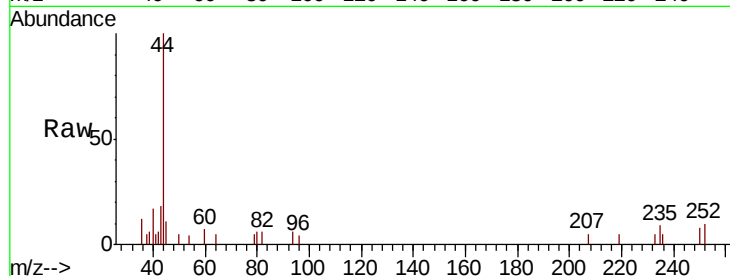
ClientSampleId :

Tot Ion: 64 Resp: 97

Ion Ratio Lower Upper

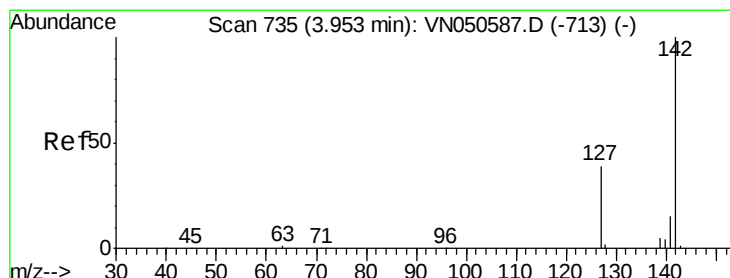
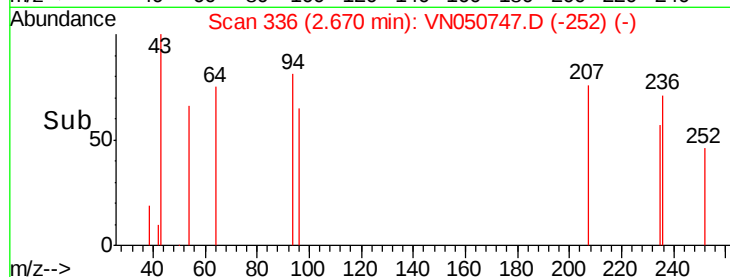
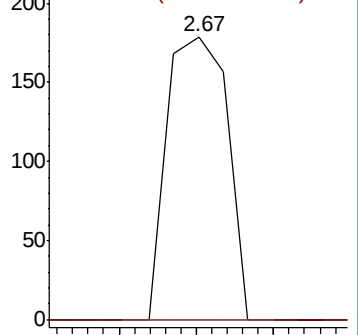
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#10

Methyl Iodide

Concen: 7.07 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

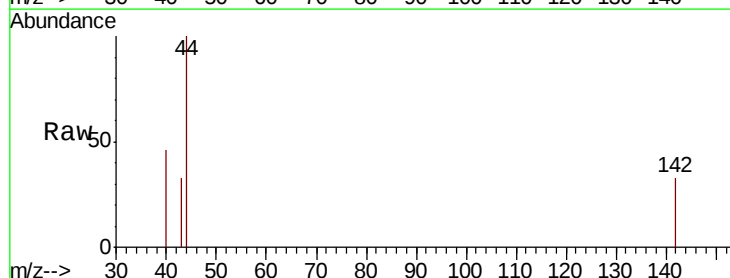
Tgt Ion: 142 Resp: 746

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

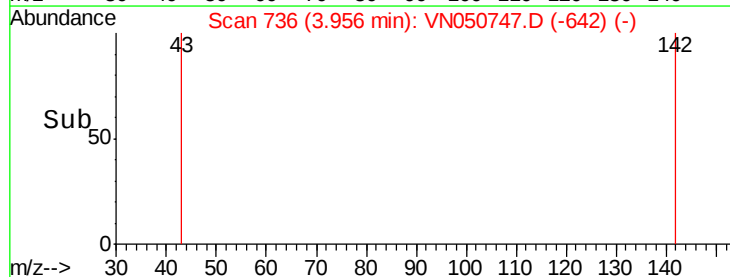
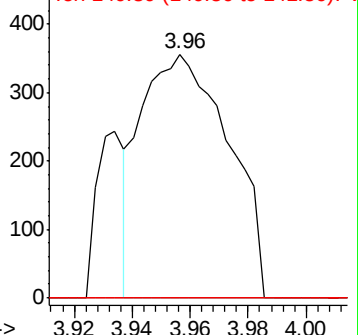
141 0.0 11.5 17.3#

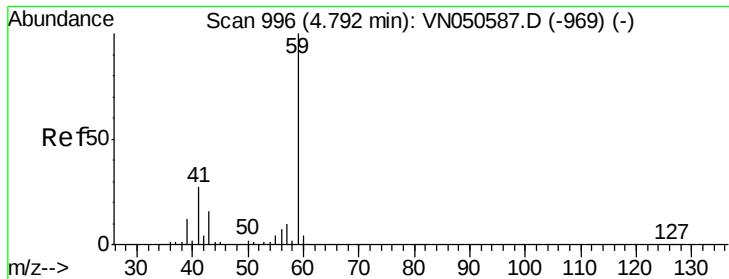


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



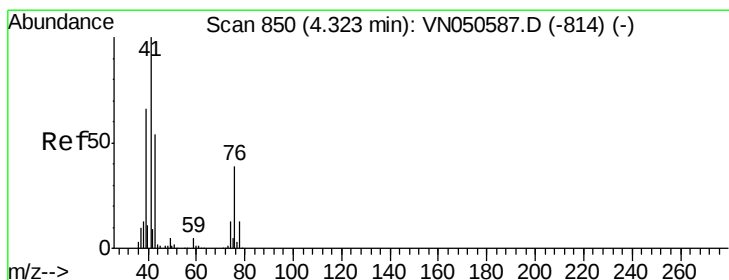
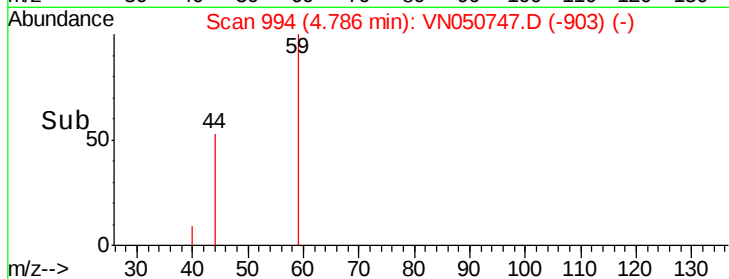
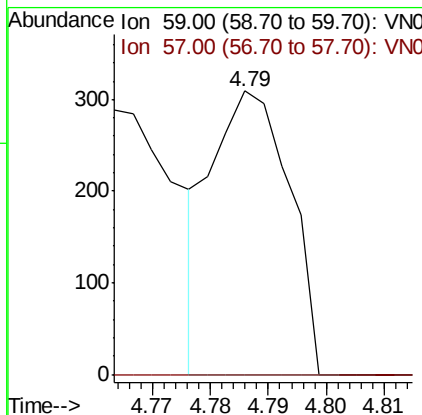
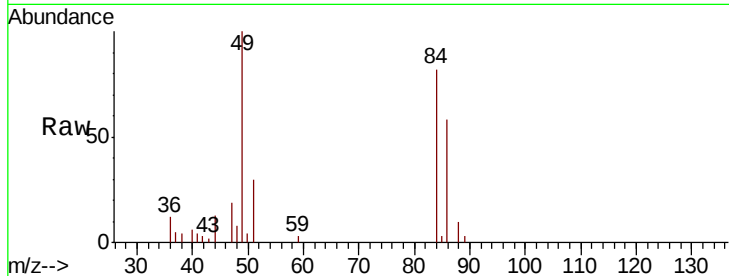


#11

Tert butyl alcohol
 Concen: 0.64 ug/l
 RT: 4.79 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

Instrument :
 MSVOA_N
 ClientSampleId :

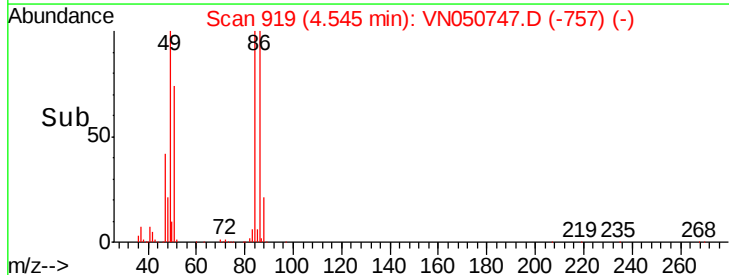
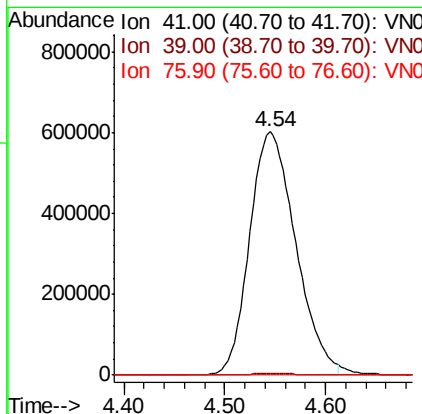
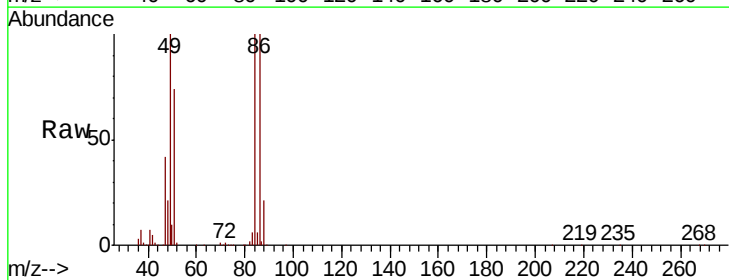
Tot Ion: 59 Resp: 286
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

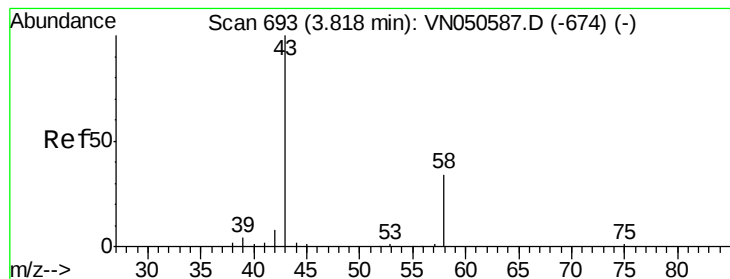


#14

Allyl chloride
 Concen: 174.38 ug/l
 RT: 4.54 min Scan# 919
 Delta R.T. 0.22 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

Tgt Ion: 41 Resp: 1908951
 Ion Ratio Lower Upper
 41 100
 39 0.8 51.4 77.0#
 76 0.0 29.4 44.0#





#16

Acetone

Concen: 13.20 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

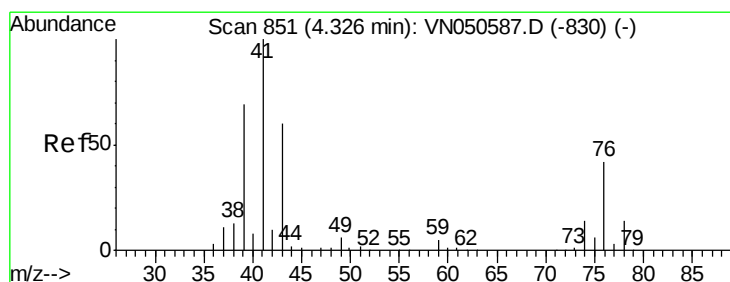
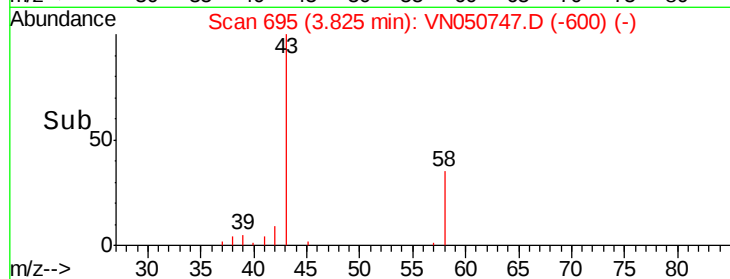
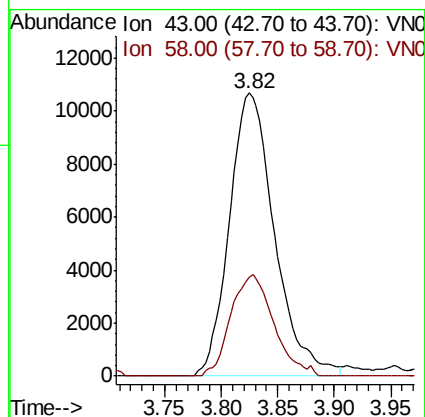
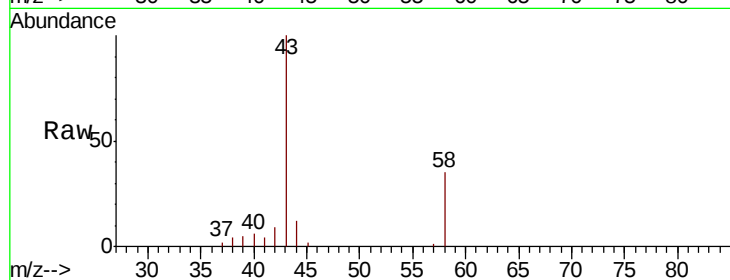
ClientSampled :

Tot Ion: 43 Resp: 29740

Ion Ratio Lower Upper

43 100

58 34.9 27.1 40.7



#18

Methyl Acetate

Concen: 1.30 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050747.D

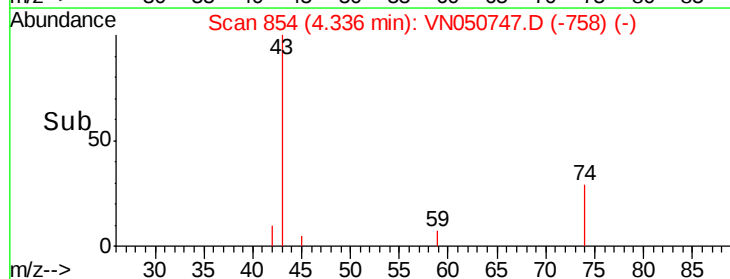
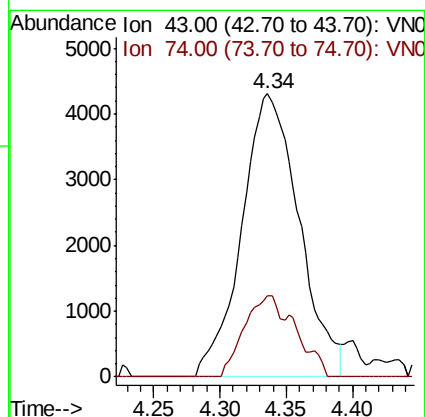
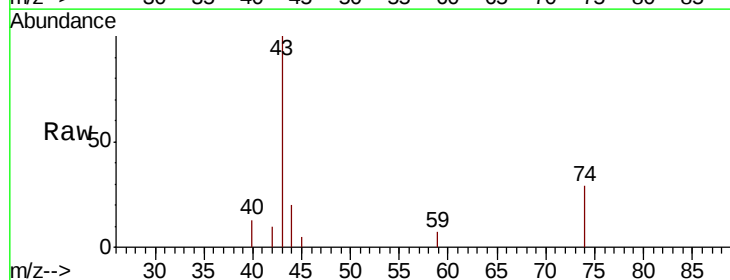
Acq: 18 Aug 2018 3:19

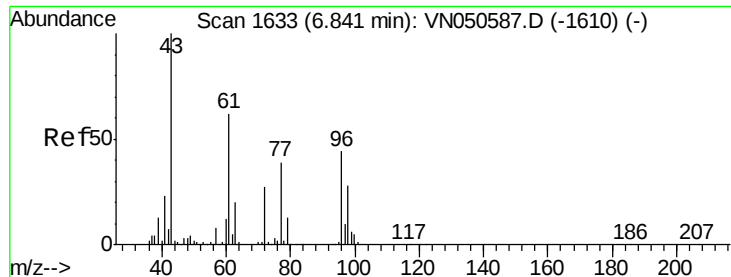
Tgt Ion: 43 Resp: 13005

Ion Ratio Lower Upper

43 100

74 18.4 19.7 29.5#





#25

2-Butanone

Concen: 2.32 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

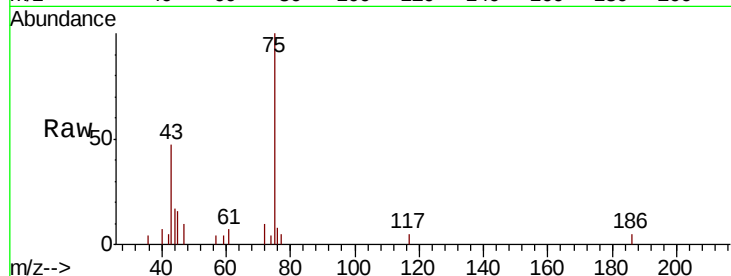
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 7785

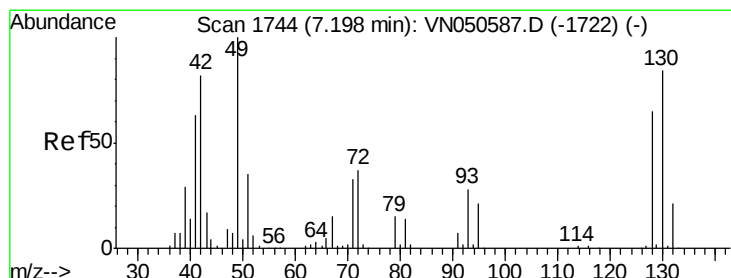
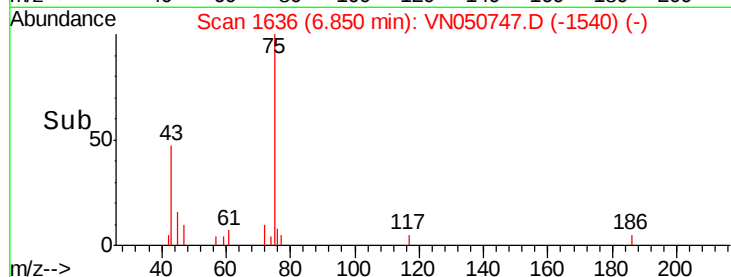
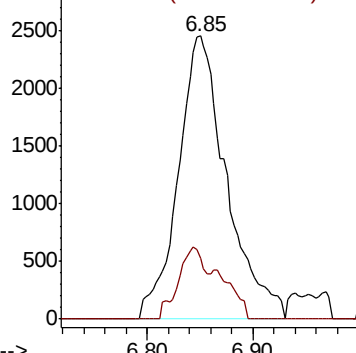
Ion Ratio Lower Upper

43 100

72 21.2 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#28

Bromochloromethane

Concen: 13.86 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

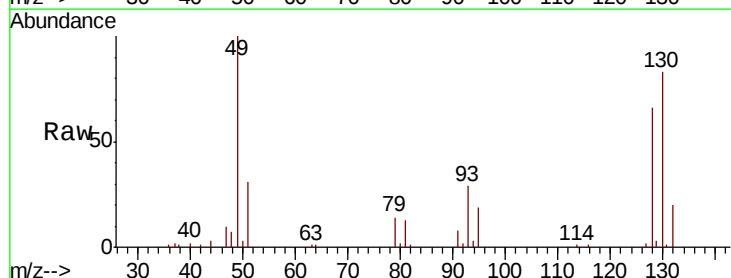
Tgt Ion: 49 Resp: 91623

Ion Ratio Lower Upper

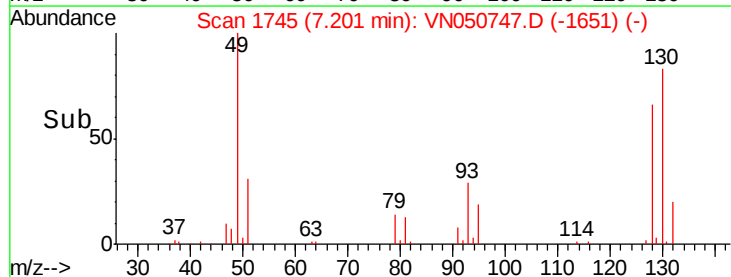
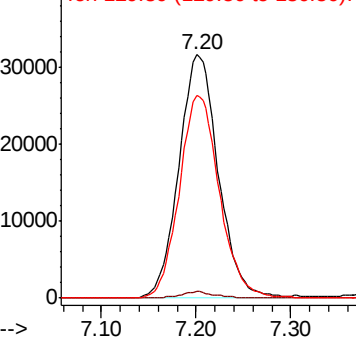
49 100

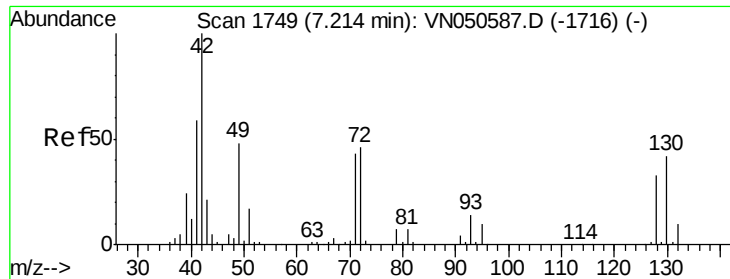
129 2.2 0.0 4.2

130 84.1 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :
MSVOA_N
ClientSampled :

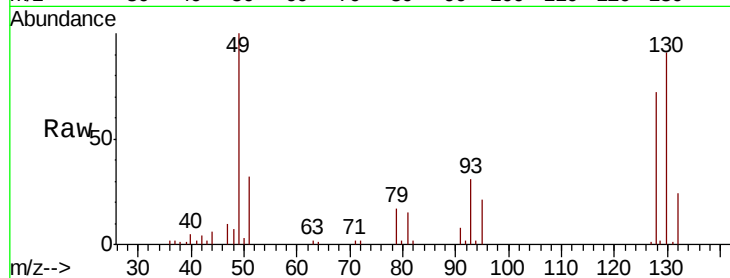
Tot Ion: 42 Resp: 1224

Ion Ratio Lower Upper

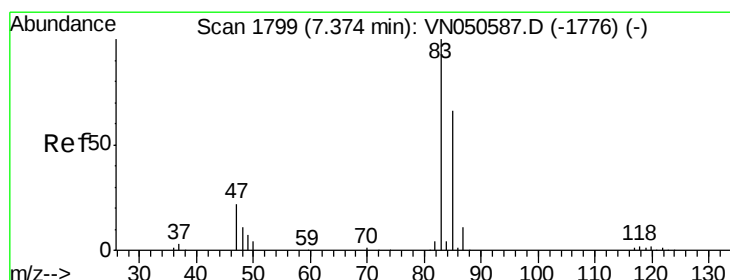
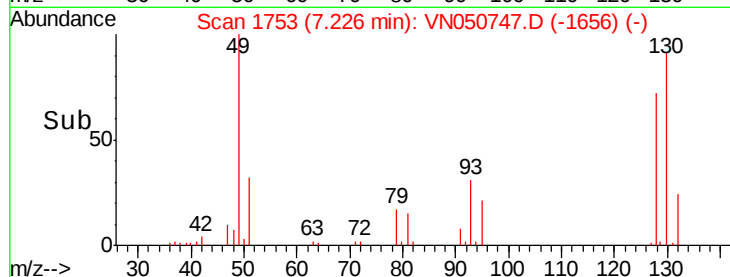
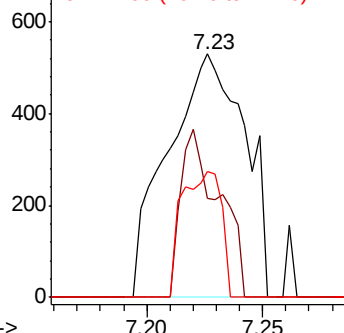
42 100

72 34.2 35.8 53.6#

71 26.4 33.4 50.0#



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



#30

Chloroform

Concen: 0.80 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050747.D

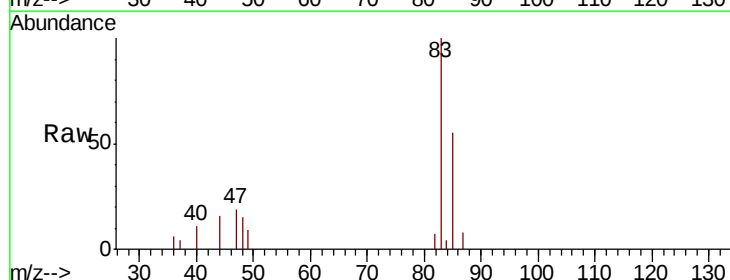
Acq: 18 Aug 2018 3:19

Tgt Ion: 83 Resp: 11757

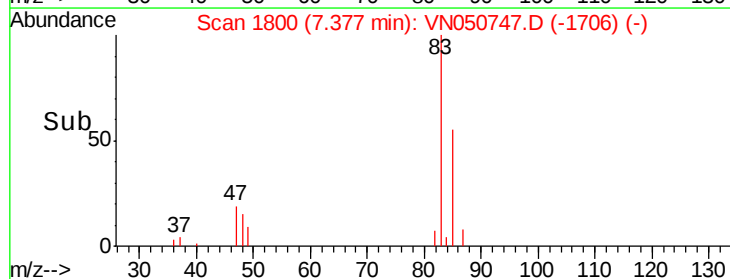
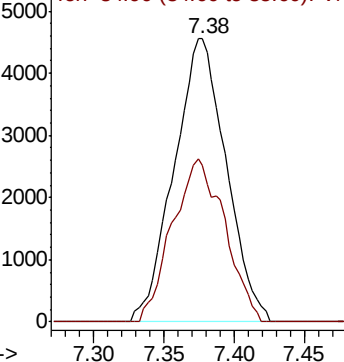
Ion Ratio Lower Upper

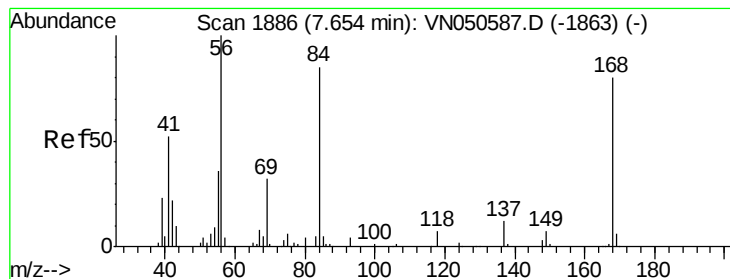
83 100

85 55.2 52.5 78.7



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





#31

Cyclohexane

Concen: 0.58 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :
MSVOA_N
ClientSampled :

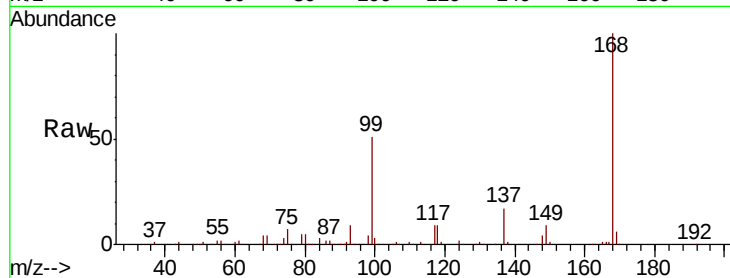
Tot Ion: 56 Resp: 11407

Ion Ratio Lower Upper

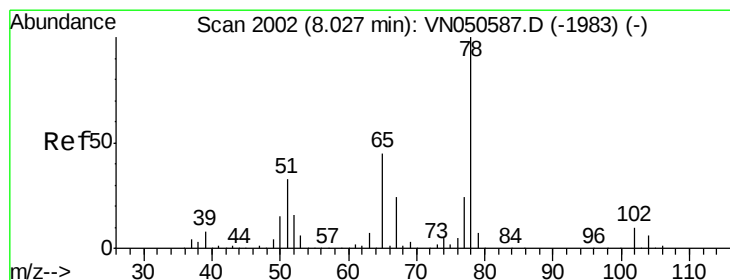
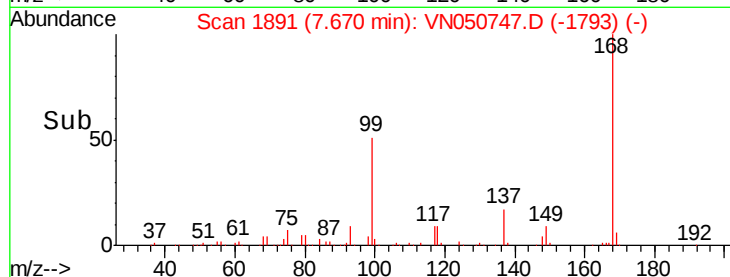
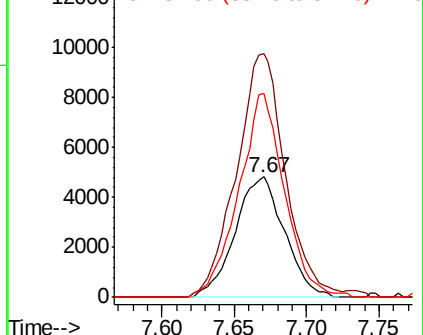
56 100

69 201.8 25.8 38.6#

84 168.7 67.8 101.6#



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: 51.95 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050747.D

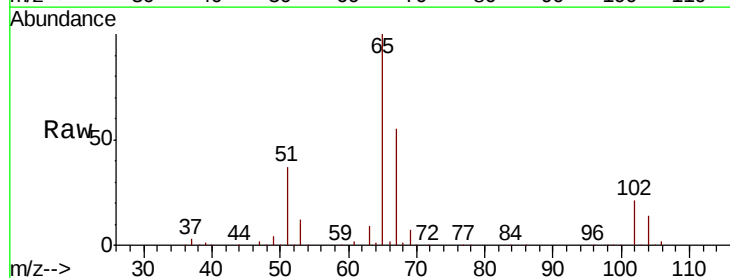
Acq: 18 Aug 2018 3:19

Tgt Ion: 65 Resp: 424732

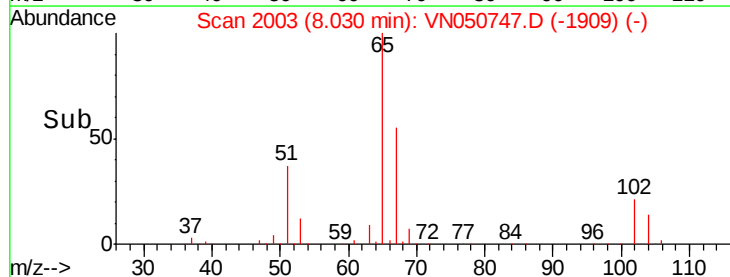
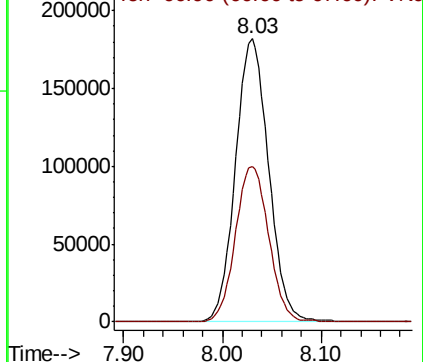
Ion Ratio Lower Upper

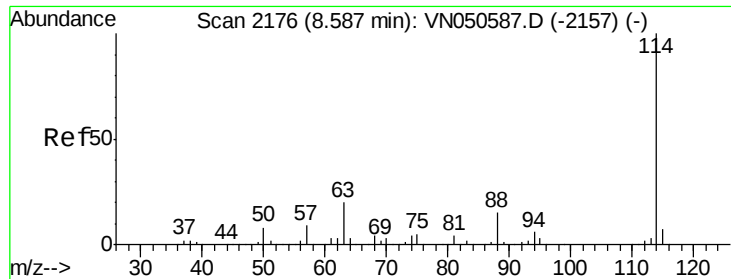
65 100

67 55.2 0.0 109.8



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

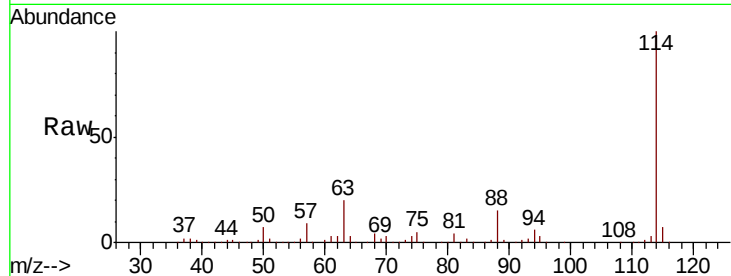




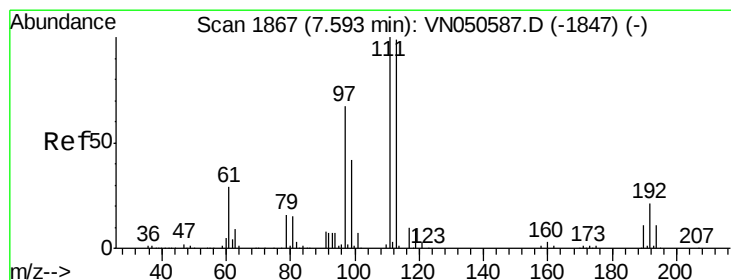
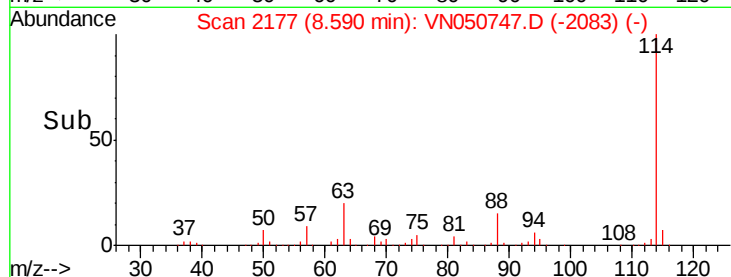
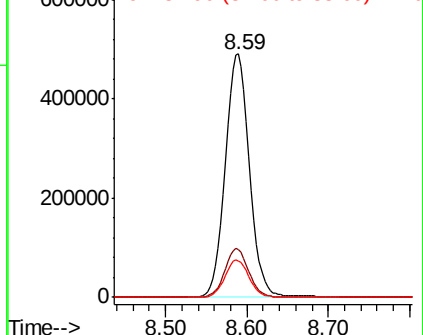
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1030345
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.0 0.0 30.8

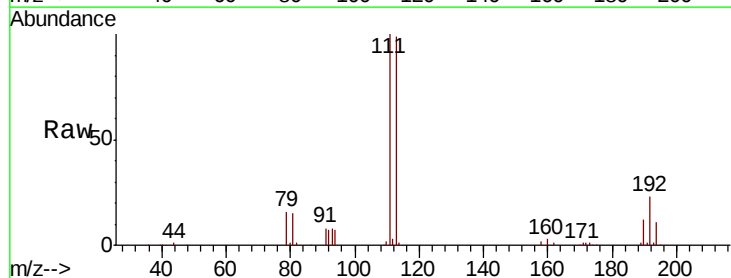


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

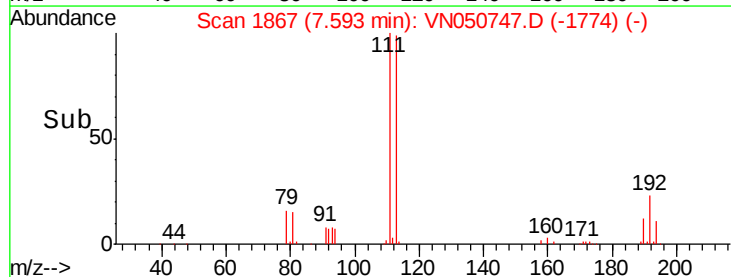
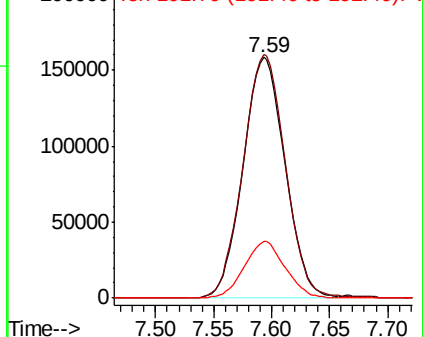


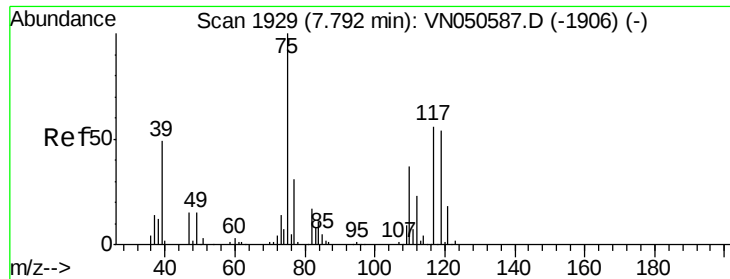
#35
 Dibromofluoromethane
 Concen: 48.72 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

Tgt Ion:113 Resp: 400795
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.0 121.6
 192 22.8 17.6 26.4



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

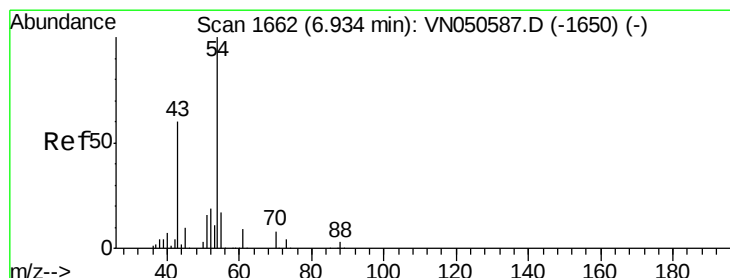
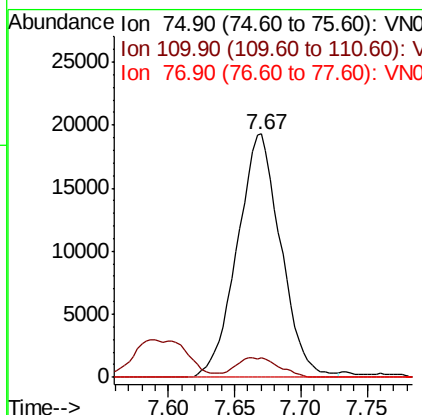
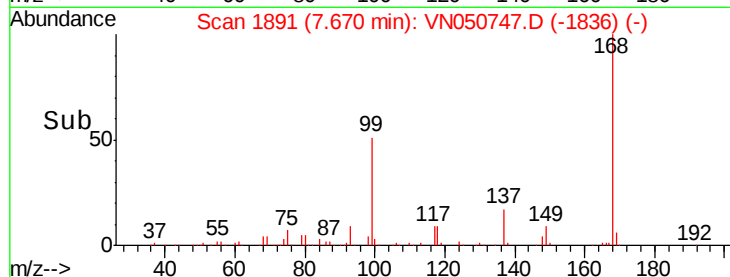
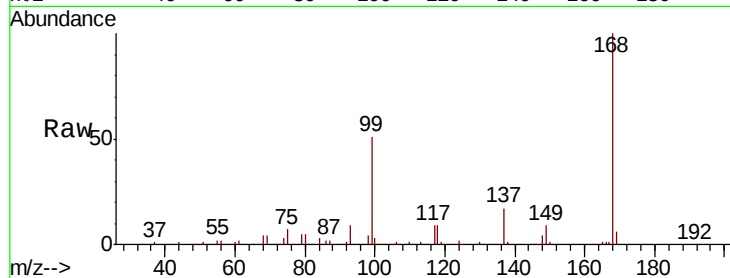




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

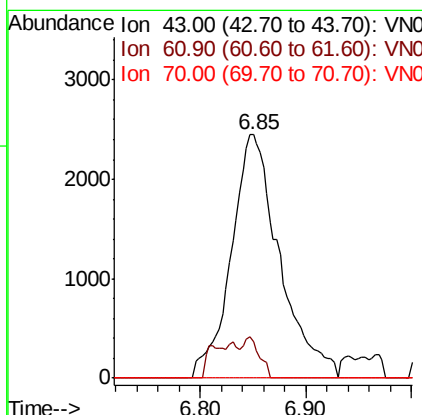
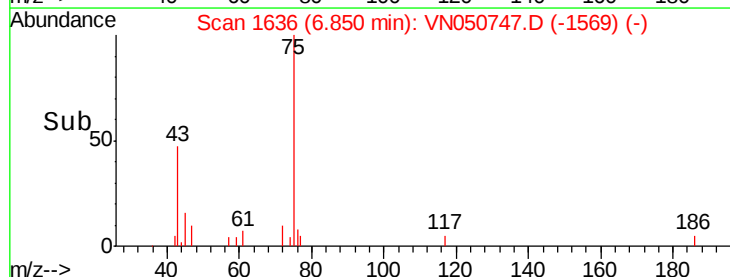
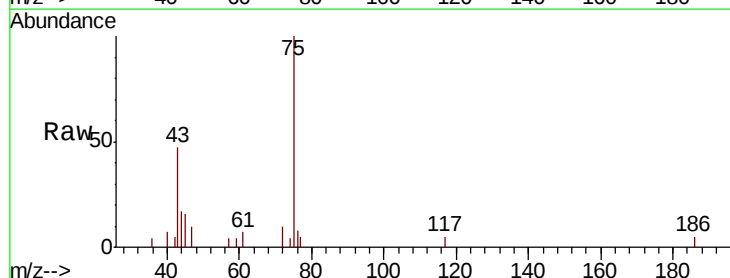
Instrument :
 MSVOA_N
 ClientSampled :

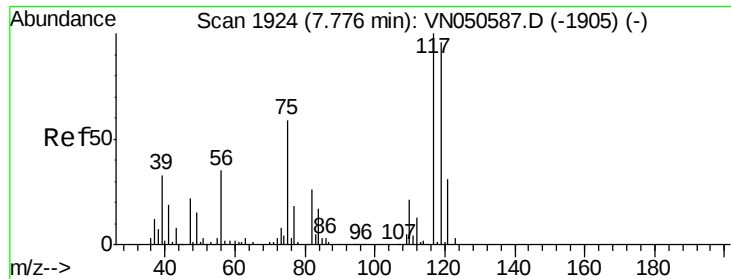
Tot Ion: 75 Resp: 44131
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.3 54.9#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.20 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. -0.08 min
 Lab File: VN050747.D
 Acq: 18 Aug 2018 3:19

Tgt Ion: 43 Resp: 7785
 Ion Ratio Lower Upper
 43 100
 61 5.7 12.0 18.0#
 70 0.0 8.5 12.7#

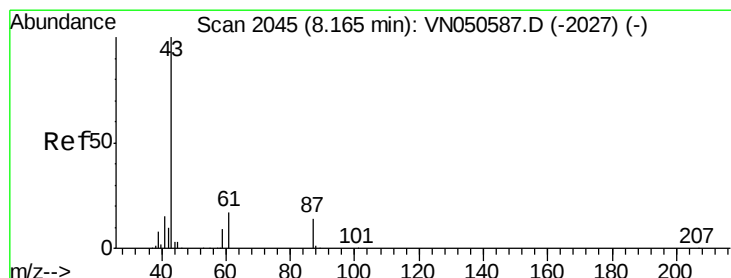
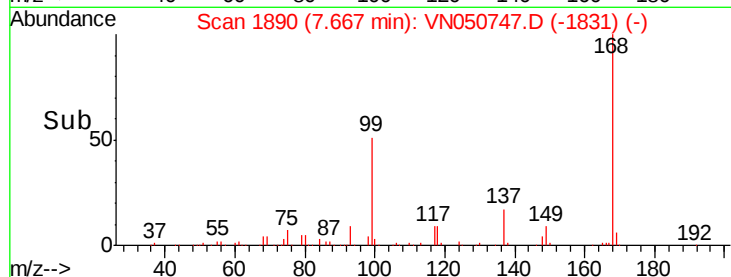
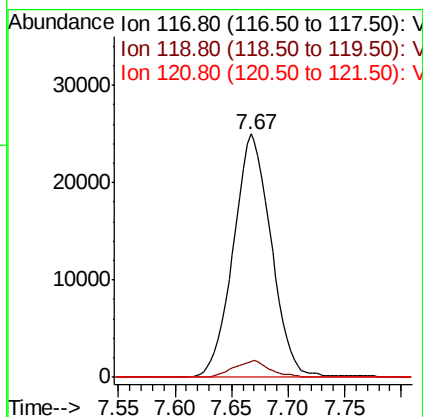
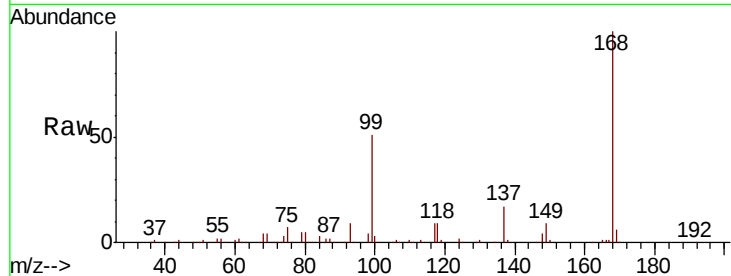




#38
Carbon Tetrachloride
Concen: 4.89 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

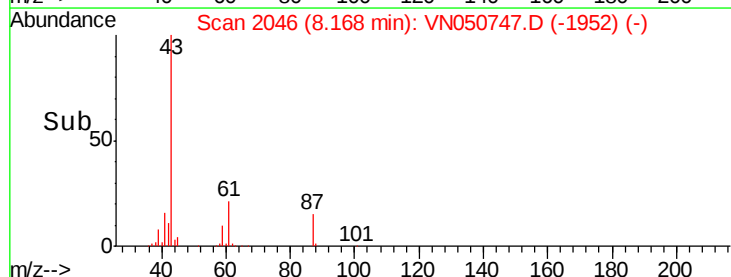
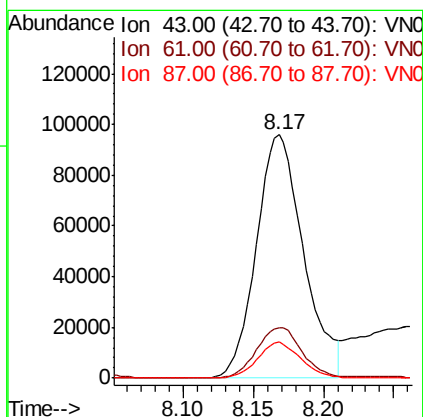
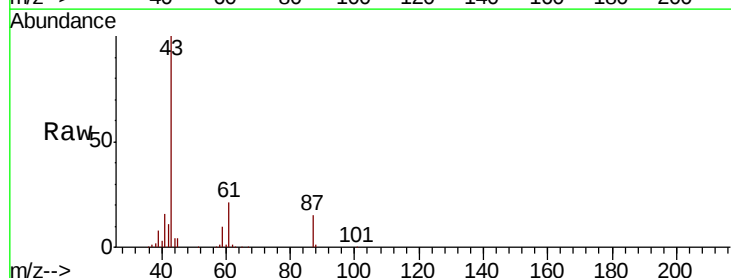
Instrument :
MSVOA_N
ClientSampleId :

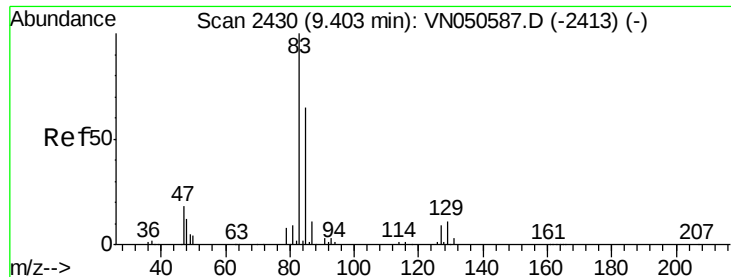
Tot Ion:117 Resp: 58164
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 18.97 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

Tgt Ion: 43 Resp: 224090
Ion Ratio Lower Upper
43 100
61 19.9 16.2 24.2
87 13.5 10.9 16.3





#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.40 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :
MSVOA_N
ClientSampleId :

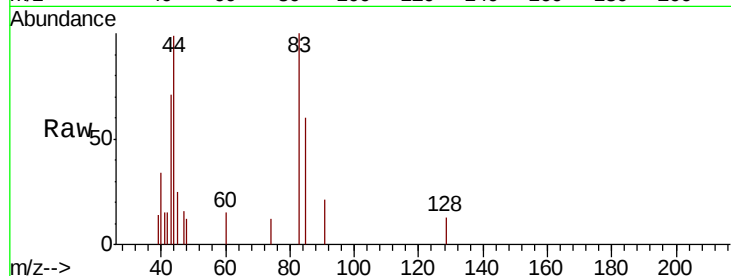
Tot Ion: 83 Resp: 2812

Ion Ratio Lower Upper

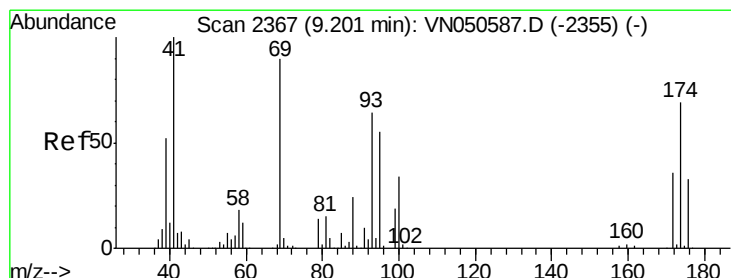
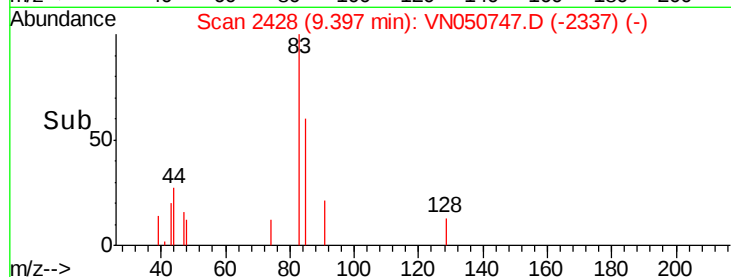
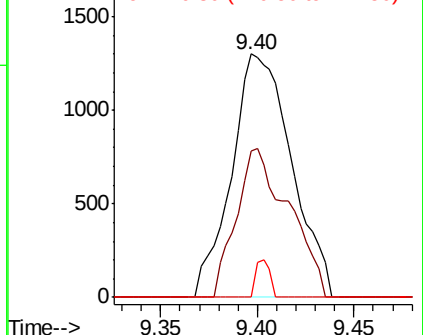
83 100

85 60.3 51.8 77.6

127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.20 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

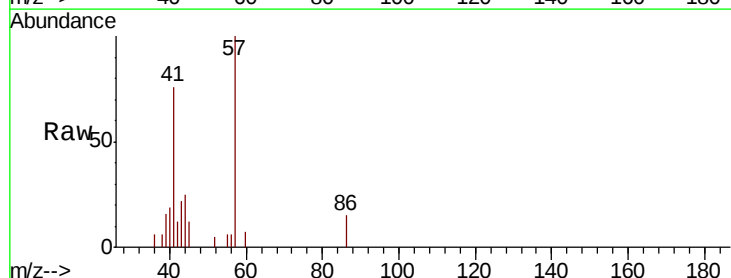
Tgt Ion: 41 Resp: 7162

Ion Ratio Lower Upper

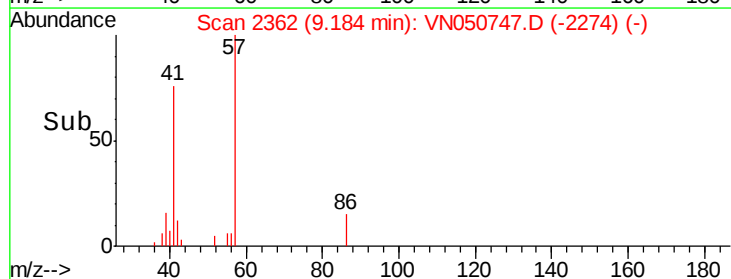
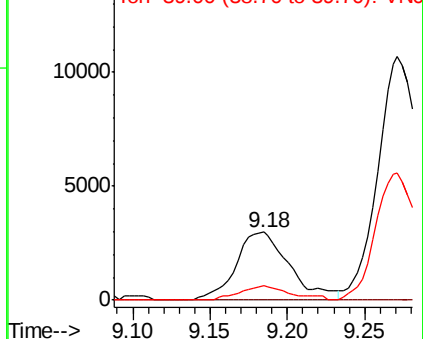
41 100

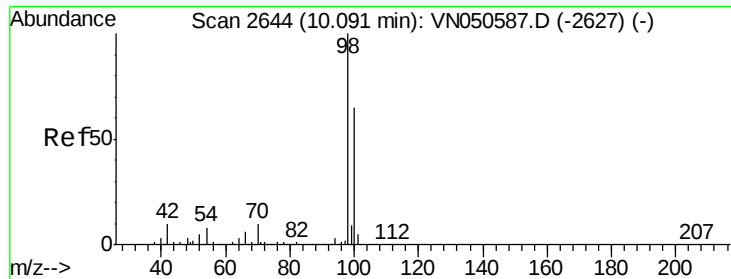
69 0.0 73.4 110.0#

39 18.0 43.0 64.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 46.35 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

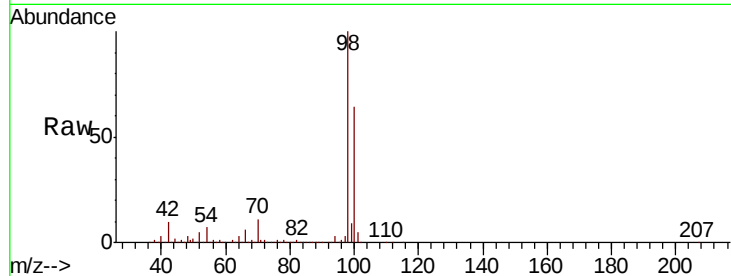
ClientSampled :

Tot Ion: 98 Resp: 1434921

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)

10.09

800000

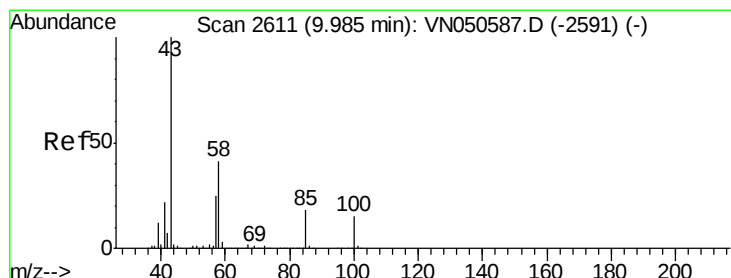
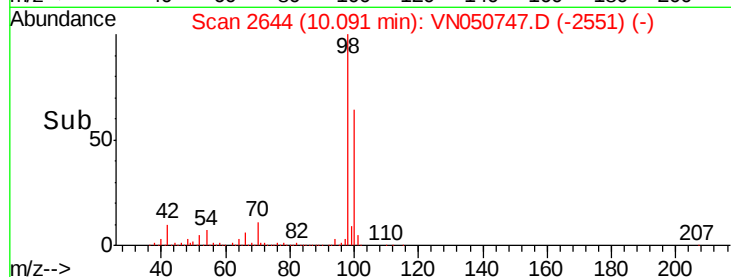
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.33 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050747.D

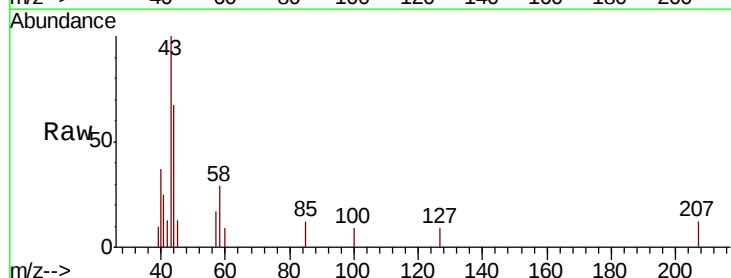
Acq: 18 Aug 2018 3:19

Tgt Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

58 31.9 32.5 48.7#



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2591) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2591) (-)

9.99

2500

2000

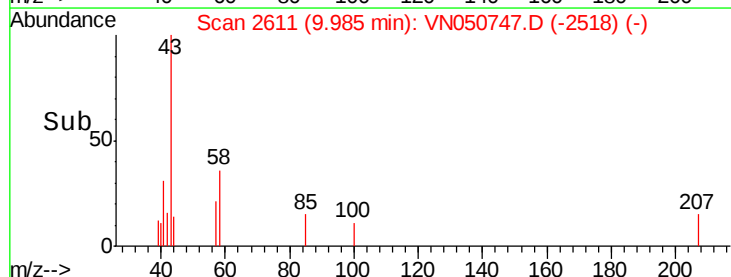
1500

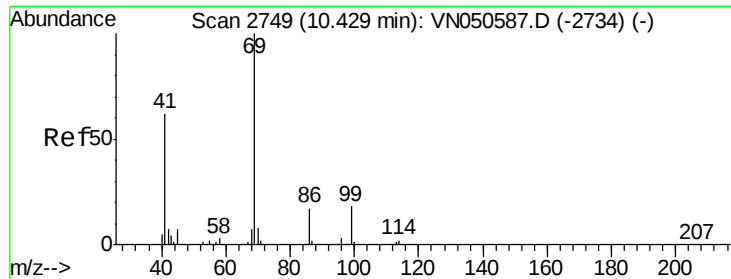
1000

500

0

Time-->





#56

Ethyl methacrylate

Concen: 2.07 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

ClientSampled :

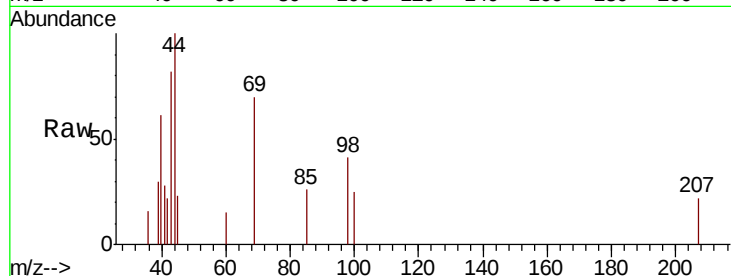
Tot Ion: 69 Resp: 1714

Ion Ratio Lower Upper

69 100

41 43.5 49.7 74.5#

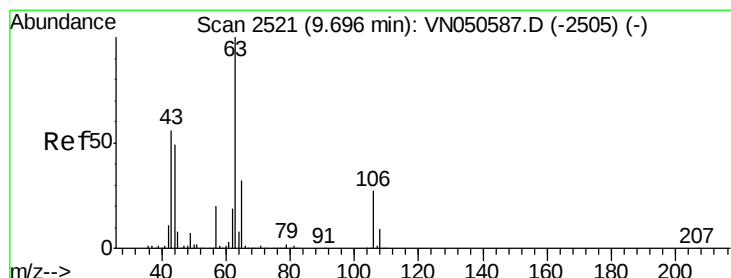
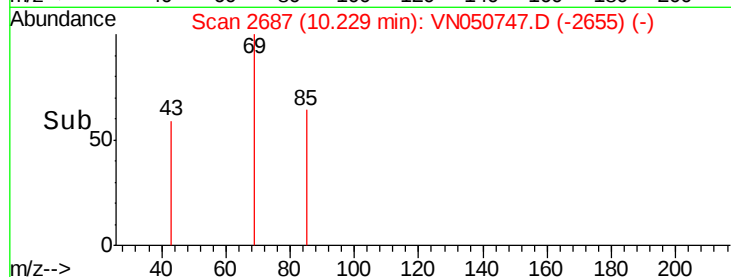
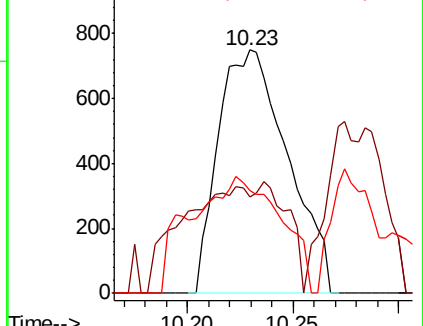
39 48.9 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 10.46 ug/l

RT: 9.66 min Scan# 2509

Delta R.T. -0.04 min

Lab File: VN050747.D

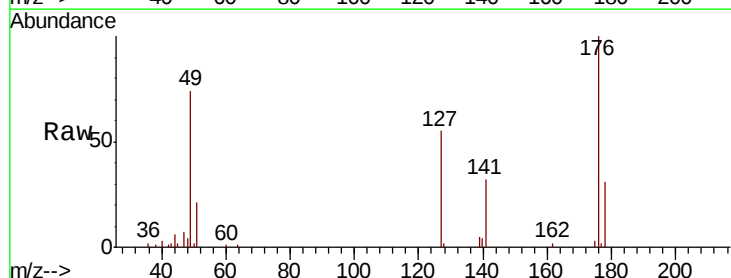
Acq: 18 Aug 2018 3:19

Tgt Ion: 63 Resp: 233

Ion Ratio Lower Upper

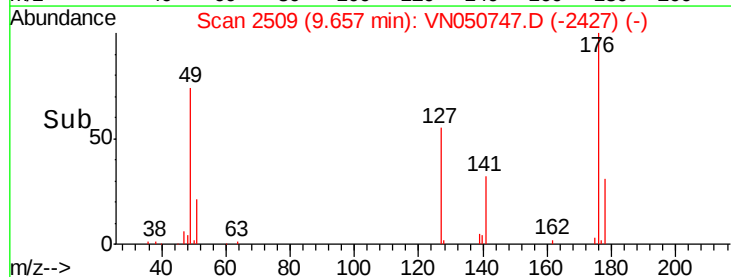
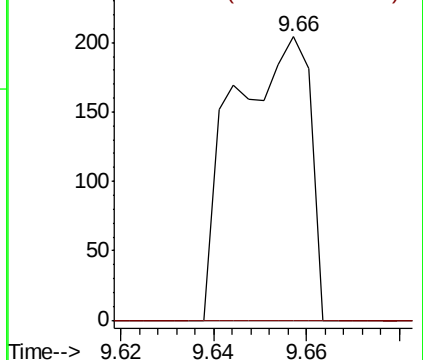
63 100

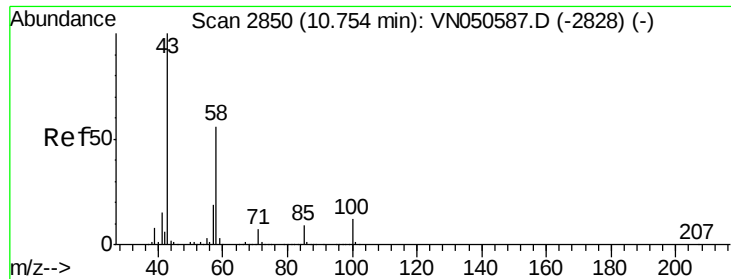
106 0.0 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 2.57 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

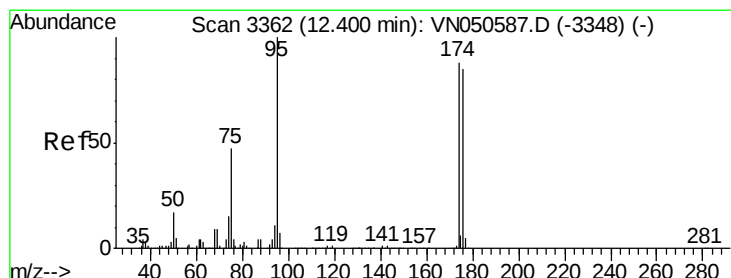
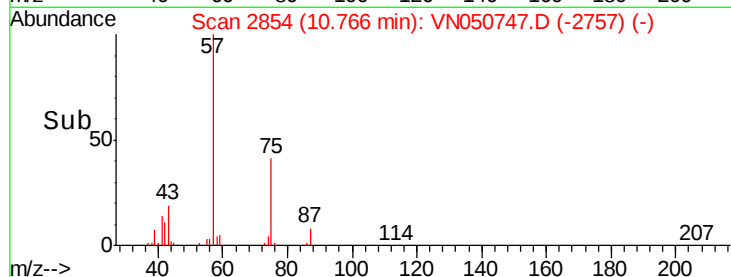
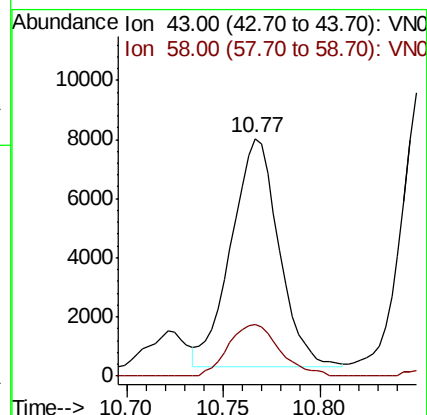
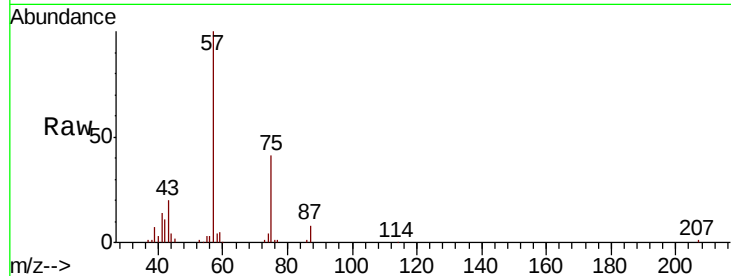
ClientSampleId :

Tot Ion: 43 Resp: 13246

Ion Ratio Lower Upper

43 100

58 24.3 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 36.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

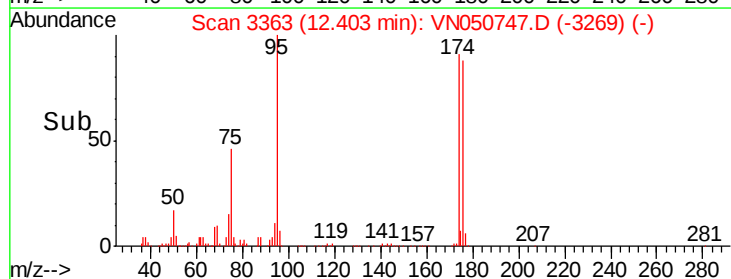
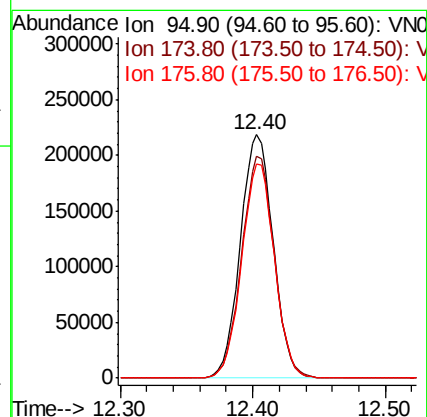
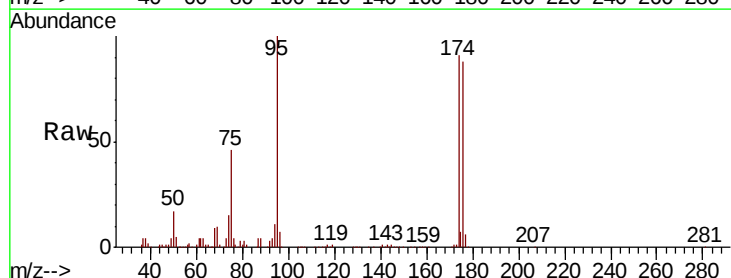
Tgt Ion: 95 Resp: 375666

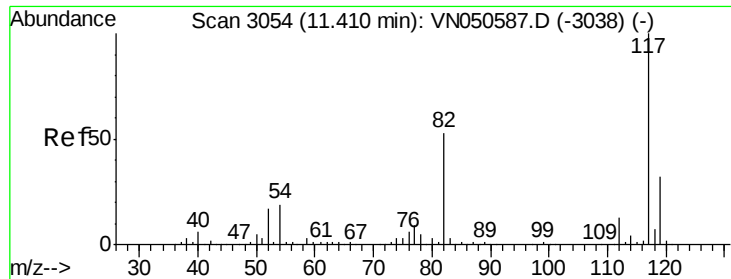
Ion Ratio Lower Upper

95 100

174 90.4 0.0 177.8

176 87.8 0.0 175.0

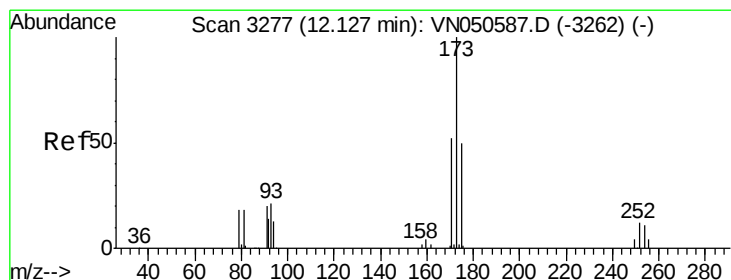
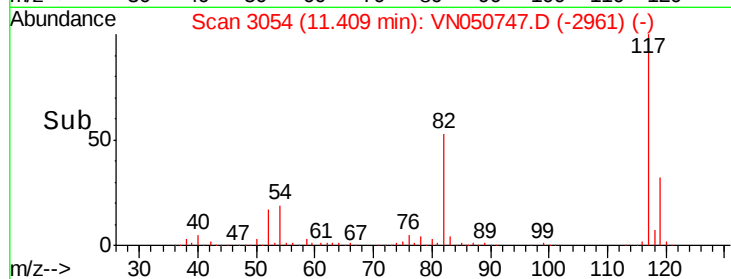
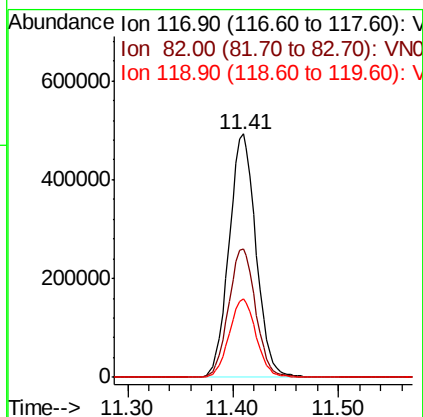
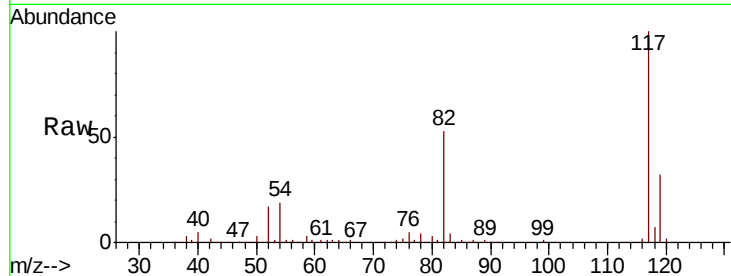




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

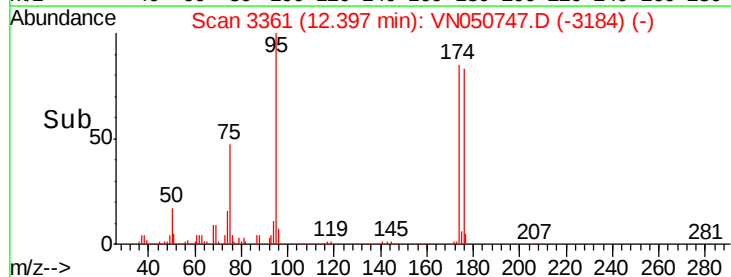
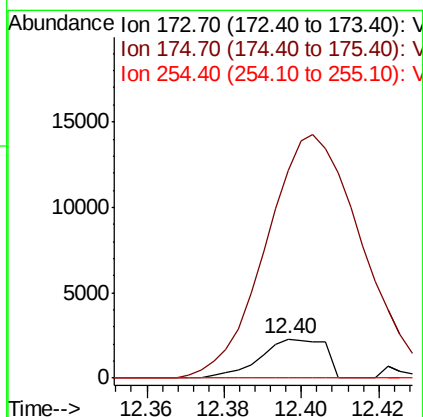
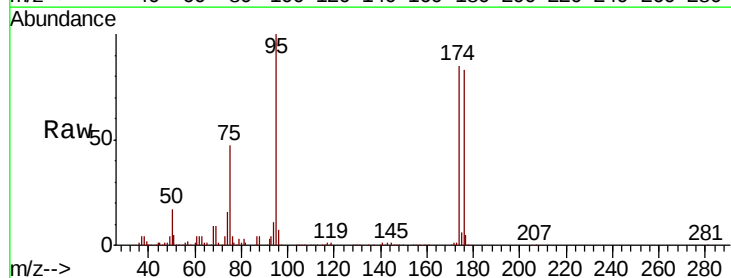
Instrument :
MSVOA_N
ClientSampled :

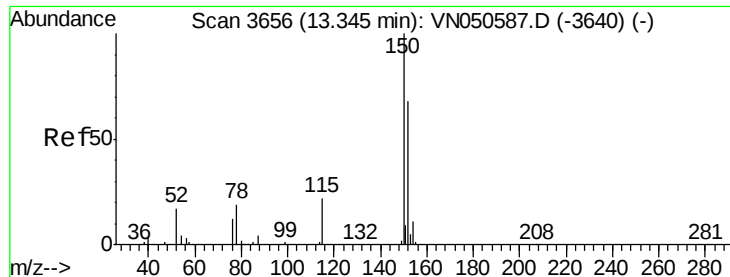
Tot Ion:117 Resp: 869635
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 32.1 25.8 38.8



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

Tgt Ion:173 Resp: 2658
Ion Ratio Lower Upper
173 100
175 756.5 24.4 73.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

ClientSampled :

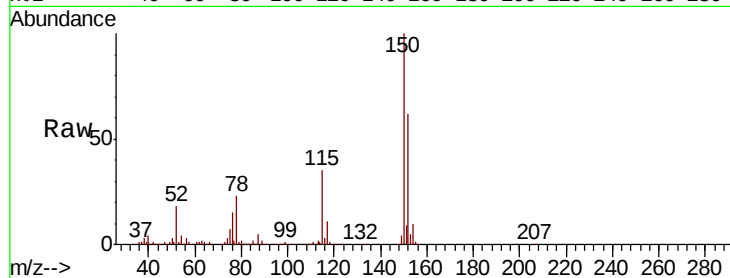
Tot Ion:152 Resp: 284662

Ion Ratio Lower Upper

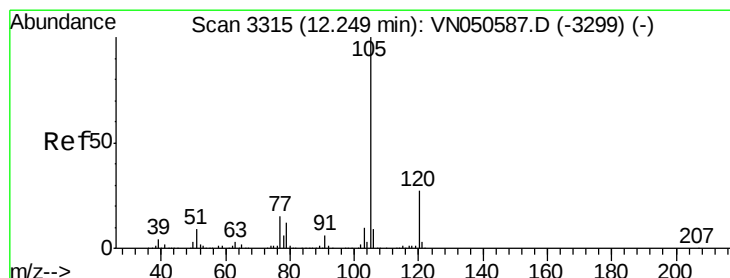
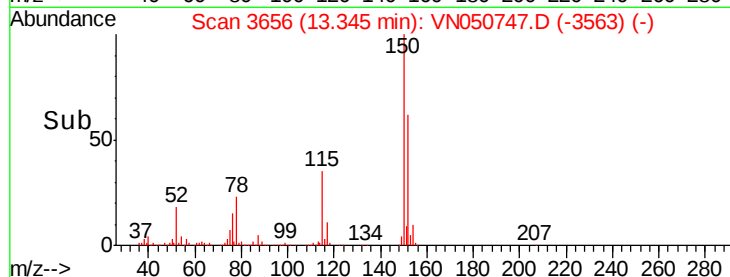
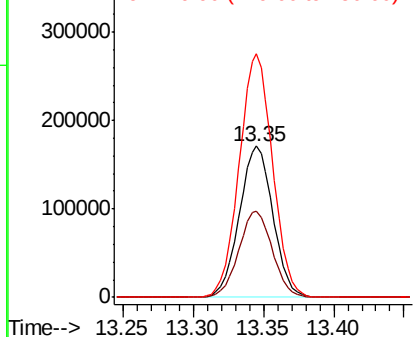
152 100

115 57.0 28.1 84.2

150 159.9 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: 0.29 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050747.D

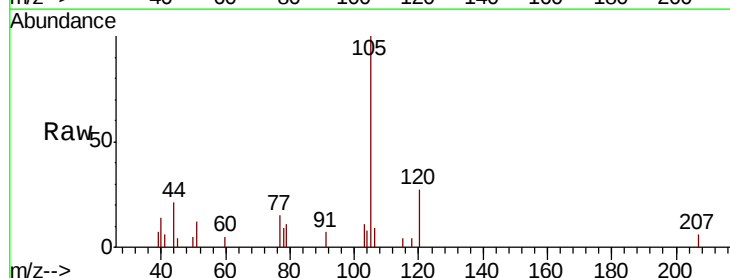
Acq: 18 Aug 2018 3:19

Tgt Ion:105 Resp: 6513

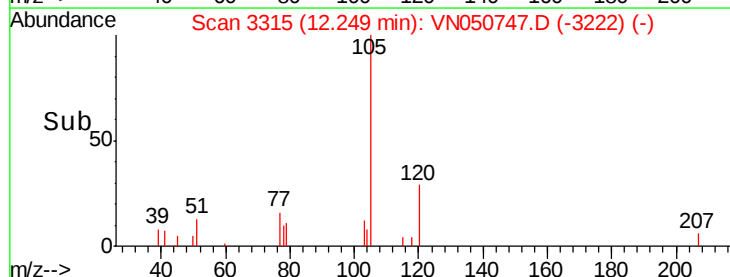
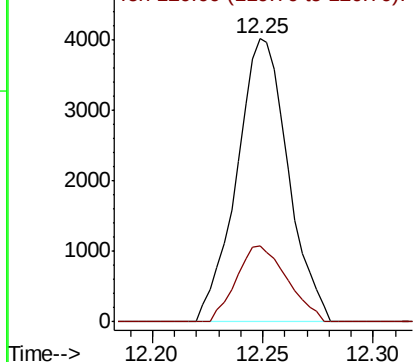
Ion Ratio Lower Upper

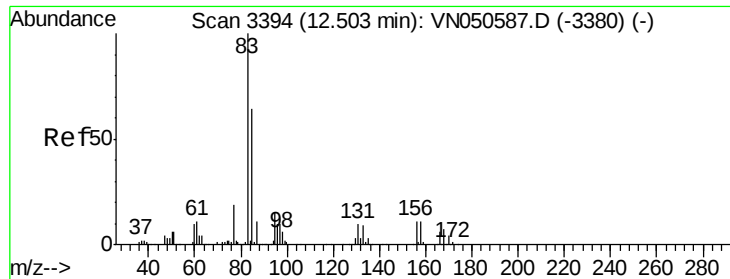
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

ClientSampleId :

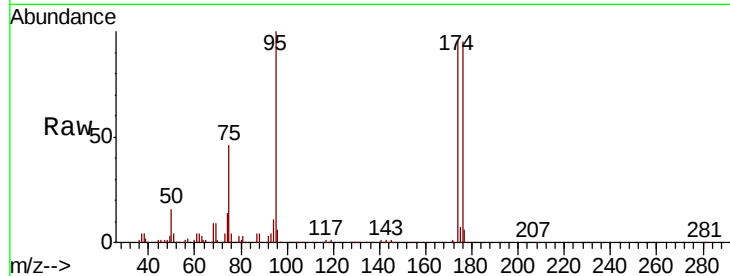
Tot Ion: 83 Resp: 162

Ion Ratio Lower Upper

83 100

131 282.1 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): VN0

Ion 84.90 (84.60 to 85.60): VN0

400

300

200

100

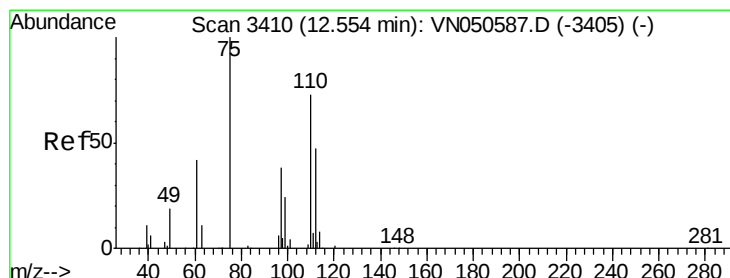
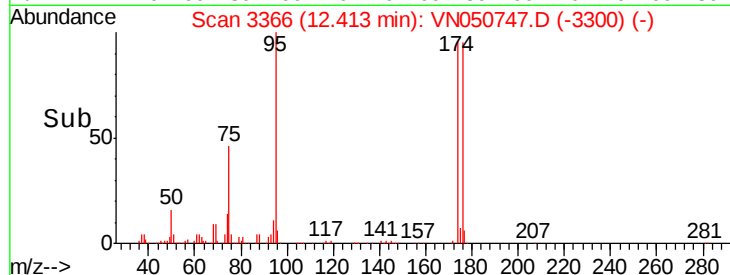
0

12.40

12.41

12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 38.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050747.D

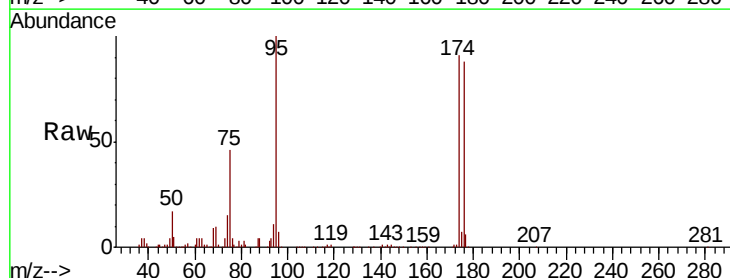
Acq: 18 Aug 2018 3:19

Tgt Ion: 75 Resp: 175944

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

40000

20000

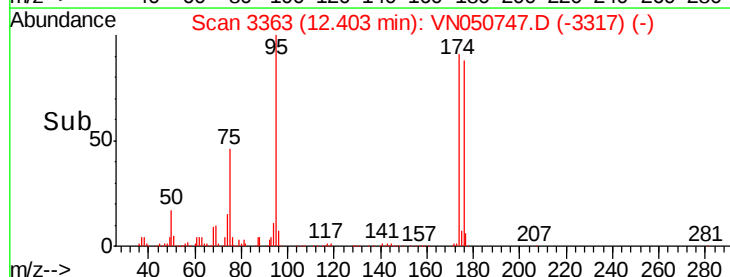
0

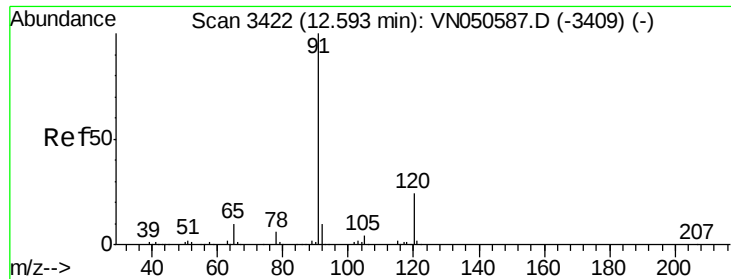
12.35

12.40

12.45

Time-->





#78

n-propylbenzene

Concen: 0.61 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

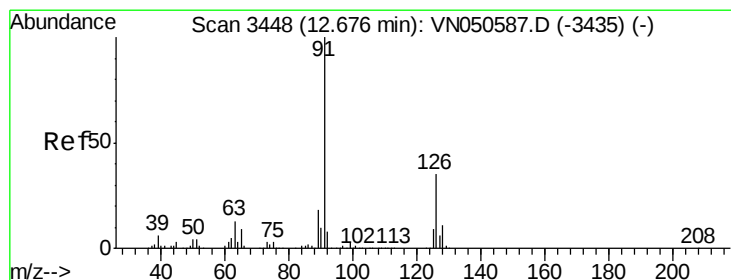
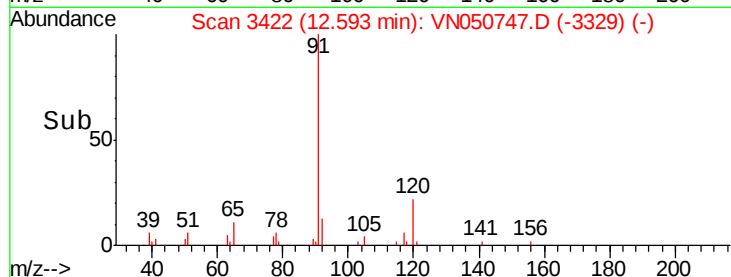
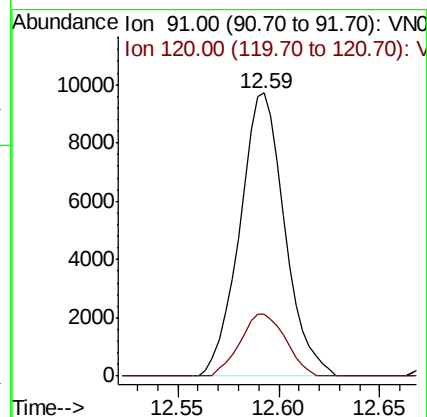
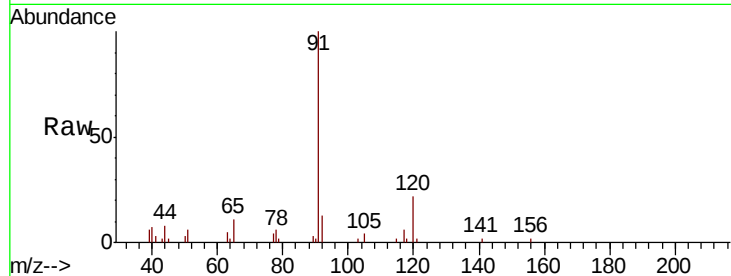
ClientSampled :

Tot Ion: 91 Resp: 15133

Ion Ratio Lower Upper

91 100

120 22.2 11.8 35.4



#79

2-Chlorotoluene

Concen: 0.98 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050747.D

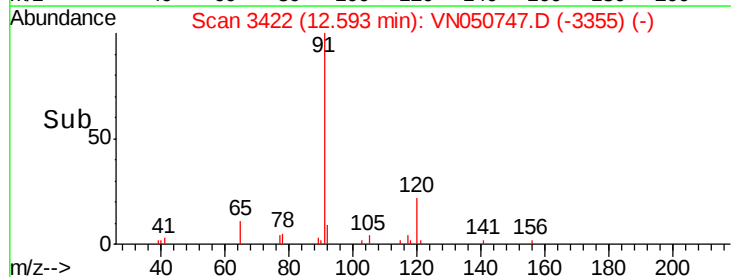
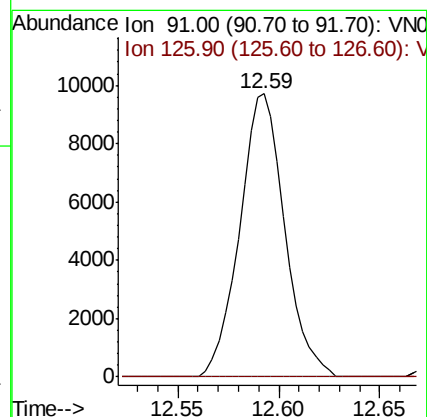
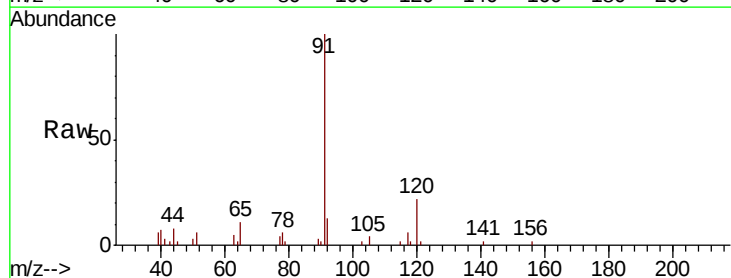
Acq: 18 Aug 2018 3:19

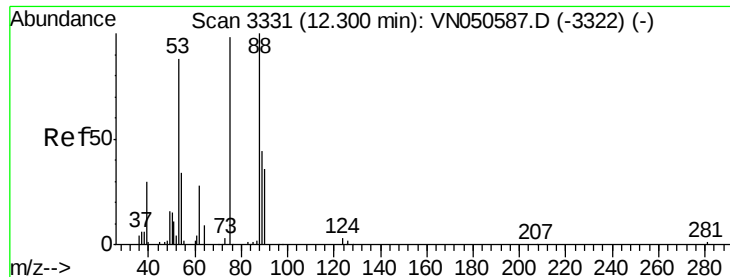
Tgt Ion: 91 Resp: 15133

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

ClientSampleId :

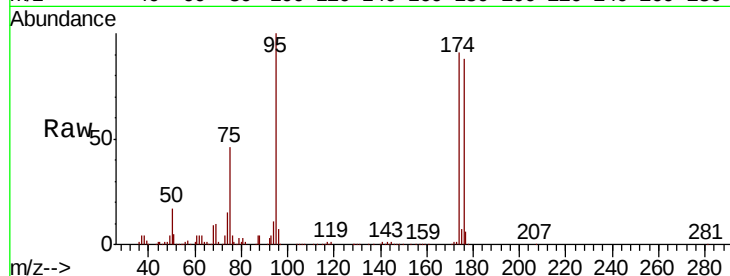
Tot Ion: 75 Resp: 175944

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

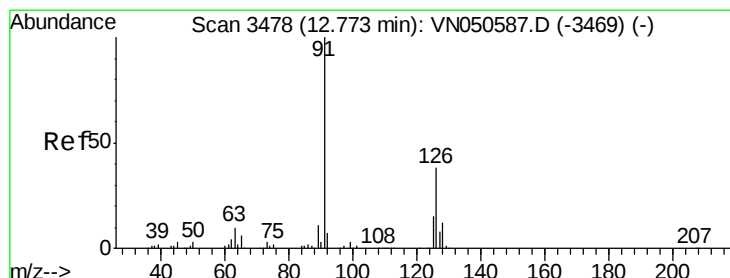
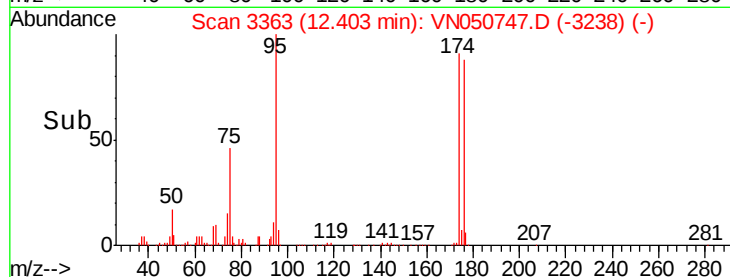
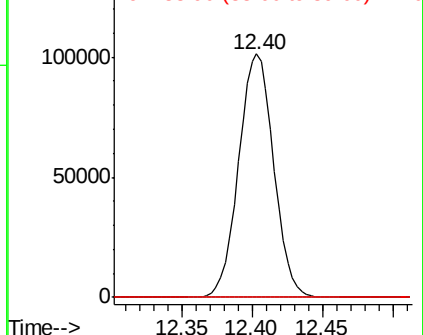
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 0.99 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN050747.D

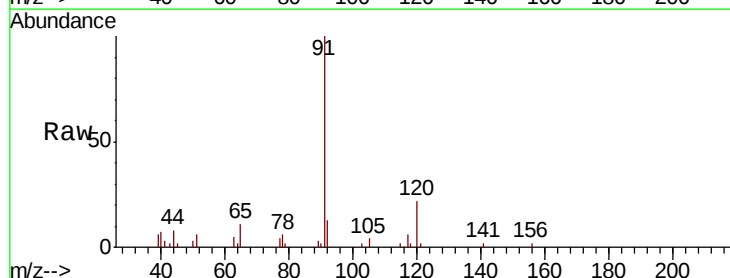
Acq: 18 Aug 2018 3:19

Tgt Ion: 91 Resp: 15133

Ion Ratio Lower Upper

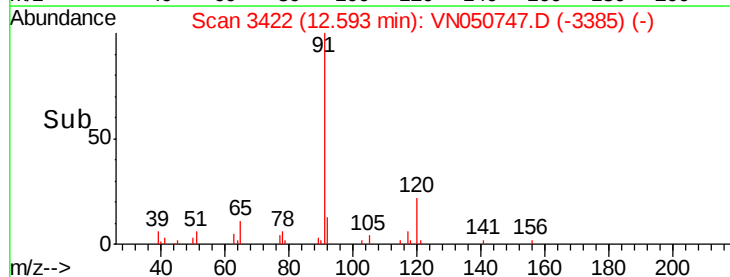
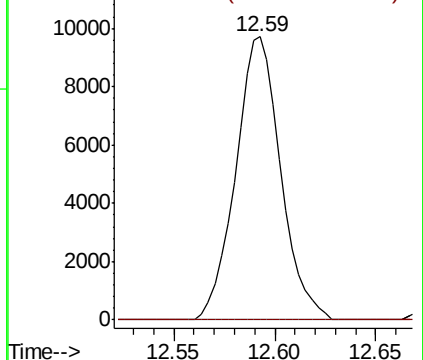
91 100

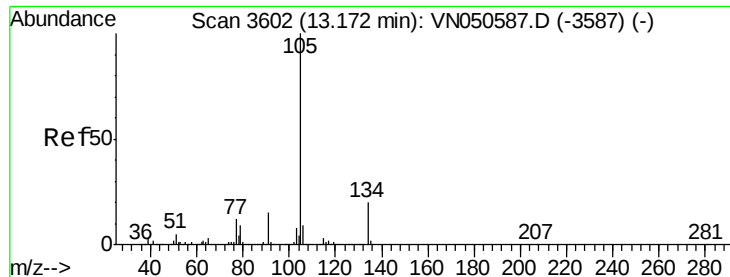
126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V





#85

sec-Butylbenzene

Concen: 0.36 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

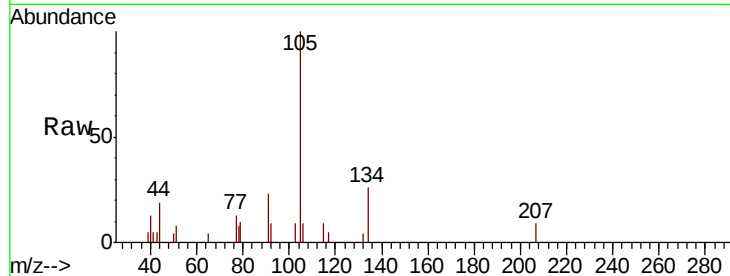
ClientSampled :

Tot Ion: 105 Resp: 7271

Ion Ratio Lower Upper

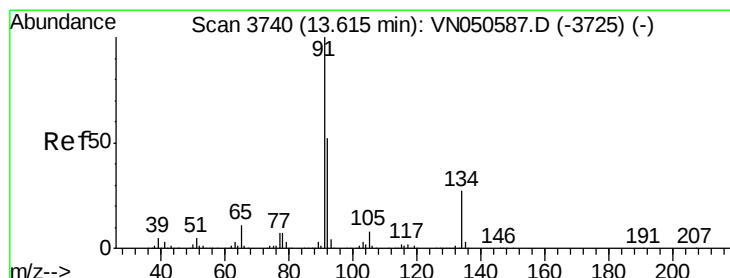
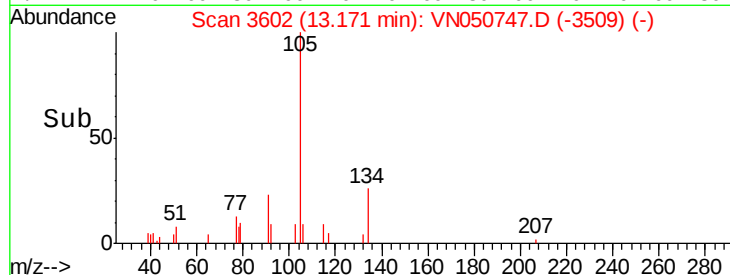
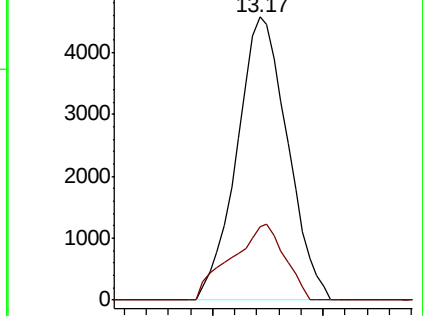
105 100

134 28.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.27 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

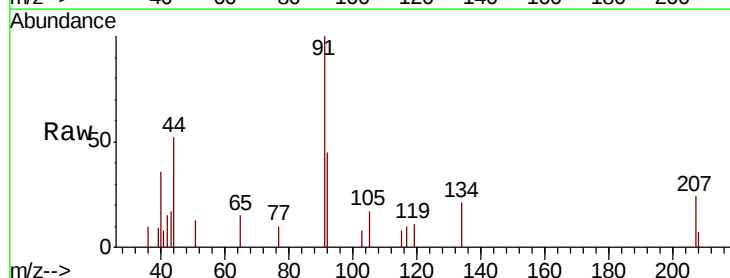
Tgt Ion: 91 Resp: 3691

Ion Ratio Lower Upper

91 100

92 38.1 26.3 78.8

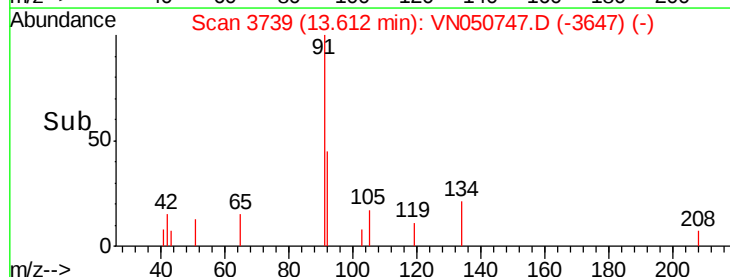
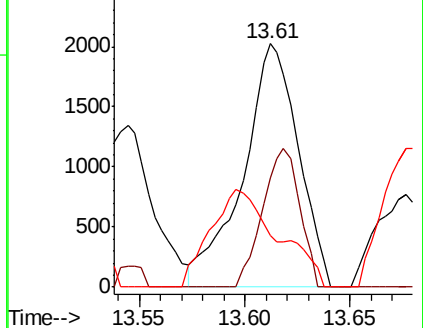
134 0.0 13.3 39.9#

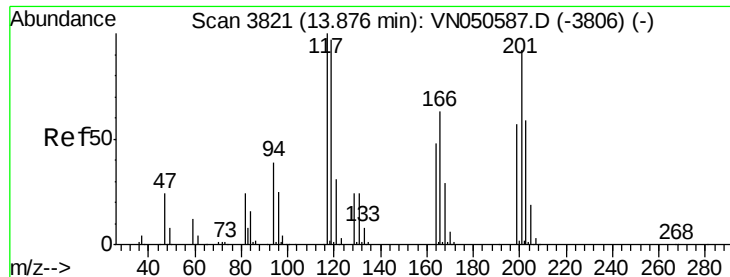


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

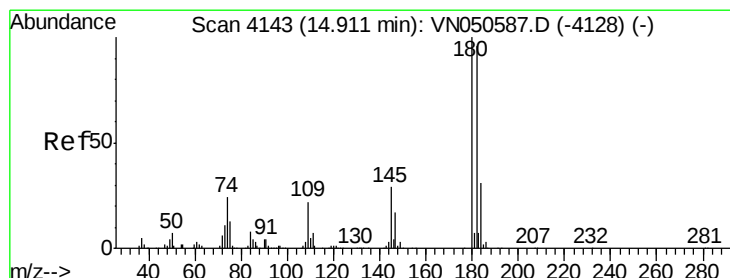
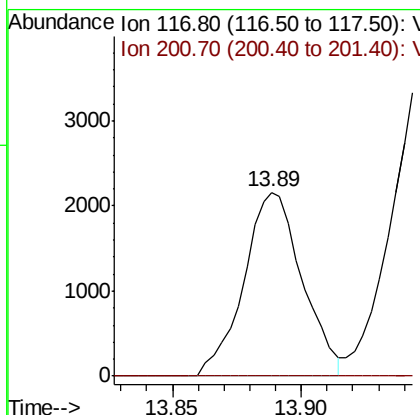
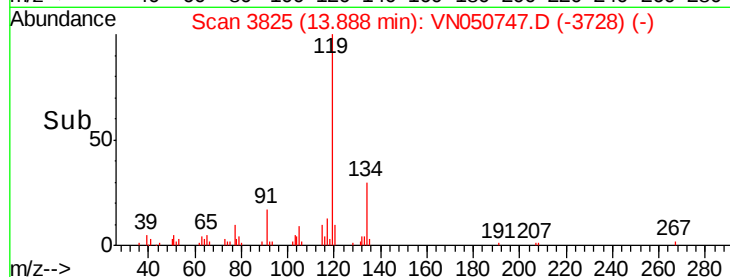
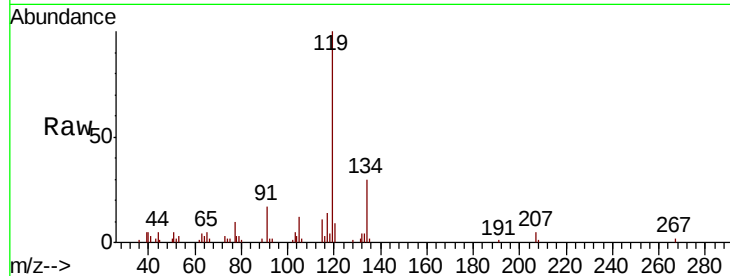




#90
Hexachloroethane
Concen: 0.99 ug/l
RT: 13.89 min Scan# 3825
Delta R.T. 0.01 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

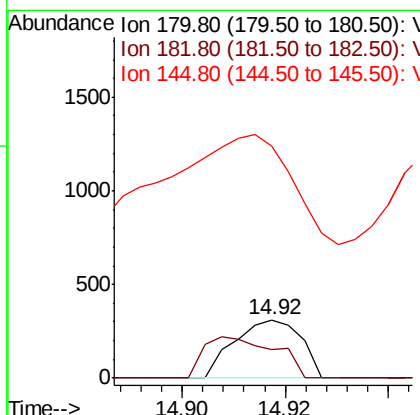
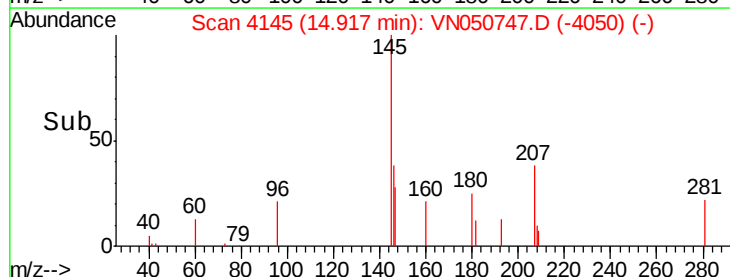
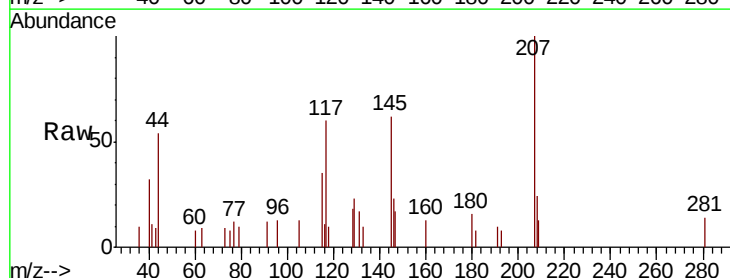
Instrument :
MSVOA_N
ClientSampleId :

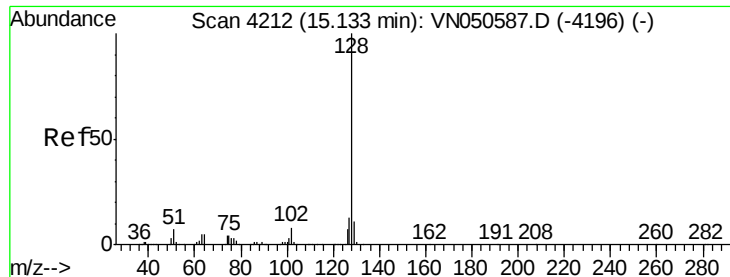
Tot Ion:117 Resp: 3418
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.73 ug/l
RT: 14.92 min Scan# 4145
Delta R.T. 0.01 min
Lab File: VN050747.D
Acq: 18 Aug 2018 3:19

Tgt Ion:180 Resp: 279
Ion Ratio Lower Upper
180 100
182 75.3 47.9 143.7
145 1253.0 14.4 43.4#





#95

Naphthalene

Concen: 5.13 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

Instrument :

MSVOA_N

ClientSampled :

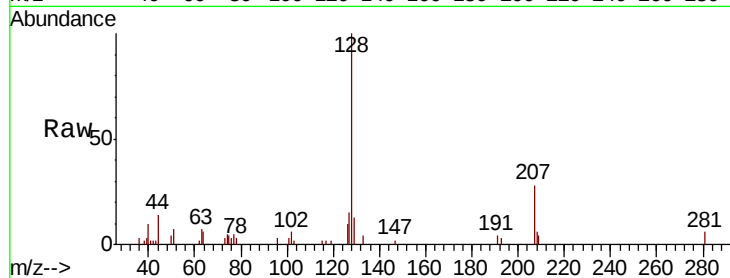
Tot Ion:128 Resp: 15060

Ion Ratio Lower Upper

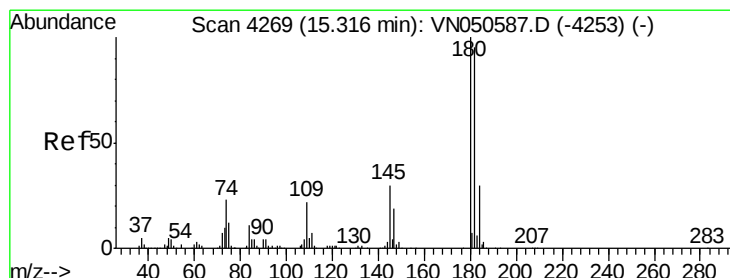
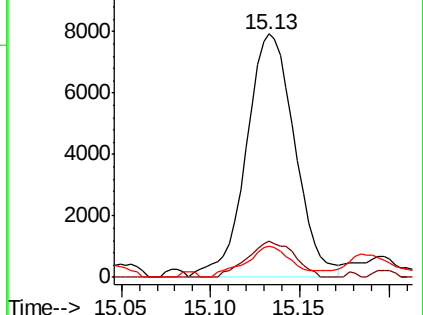
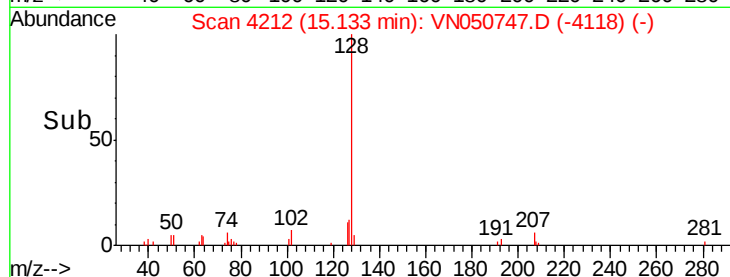
128 100

127 14.4 10.3 15.5

129 12.8 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: 1.98 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050747.D

Acq: 18 Aug 2018 3:19

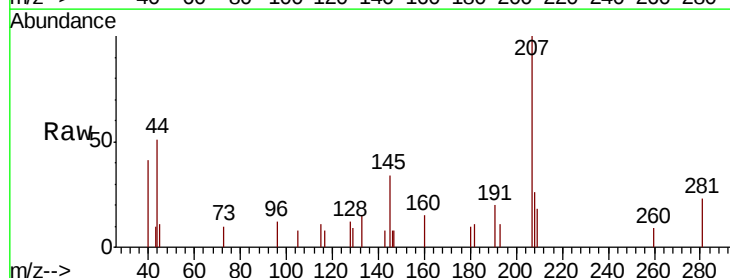
Tgt Ion:180 Resp: 224

Ion Ratio Lower Upper

180 100

182 77.7 47.3 141.8

145 561.6 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

