

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050745.D
 Acq On : 18 Aug 2018 2:30
 Operator : MD\SY
 Sample : J4500-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 04:28:04 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	617393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	993235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283060	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	421239	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.59	113	392273	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.09	98	1394291	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	362530	36.77	ug/l	0.00
Spiked Amount			Recovery	=	73.54%	

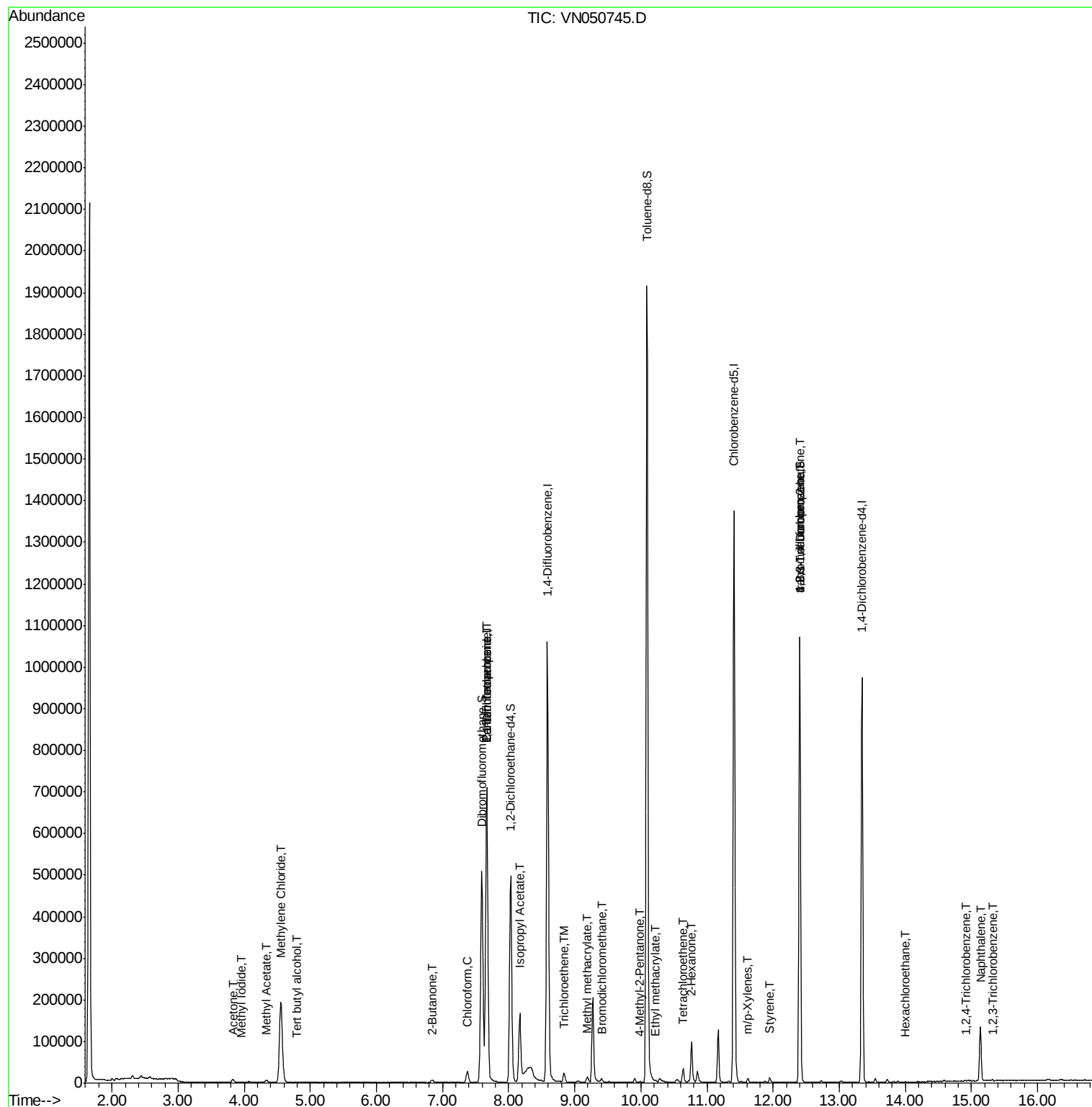
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2578	Below Cal		97
5) Bromomethane	2.56	94	1805	Below Cal	#	70
6) Chloroethane	2.68	64	59	Below Cal	#	43
10) Methyl Iodide	3.96	142	1180	7.14	ug/l	# 59
11) Tert butyl alcohol	4.79	59	655	1.54	ug/l	# 72
16) Acetone	3.83	43	14596	6.10	ug/l	99
18) Methyl Acetate	4.33	43	11168	1.07	ug/l	# 73
20) Methylene Chloride	4.56	84	153265	19.96	ug/l	96
25) 2-Butanone	6.85	43	6969	2.18	ug/l	91
30) Chloroform	7.37	83	28493	2.03	ug/l	98
36) 1,1-Dichloropropene	7.67	75	41407	3.75	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	56167	4.90	ug/l	# 16
43) Isopropyl Acetate	8.17	43	195537	17.17	ug/l	99
44) Trichloroethene	8.84	130	8588	0.95	ug/l	98
47) Bromodichloromethane	9.41	83	5631	0.50	ug/l	94
48) Methyl methacrylate	9.18	41	6739	1.18	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	1586	0.21	ug/l	96
56) Ethyl methacrylate	10.23	69	1901	2.10	ug/l	# 65
59) 2-Hexanone	10.77	43	15794	3.18	ug/l	69
64) Tetrachloroethene	10.63	164	2060	0.26	ug/l	93
68) m/p-Xylenes	11.63	106	3304	0.25	ug/l	85
70) Styrene	11.96	104	705	0.97	ug/l	# 77
75) 1,1,2,2-Tetrachloroethane	12.51	83	131	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	171019	37.13	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	171019	134.32	ug/l	# 13
90) Hexachloroethane	13.99	117	799	0.23	ug/l	# 4
93) 1,2,4-Trichlorobenzene	14.91	180	811	2.82	ug/l	68
95) Naphthalene	15.14	128	115712	13.67	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	838	2.11	ug/l	73

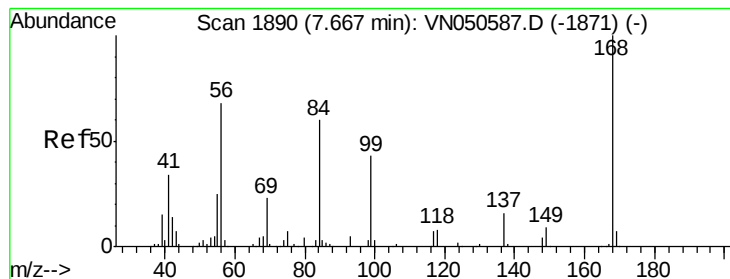
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ua/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

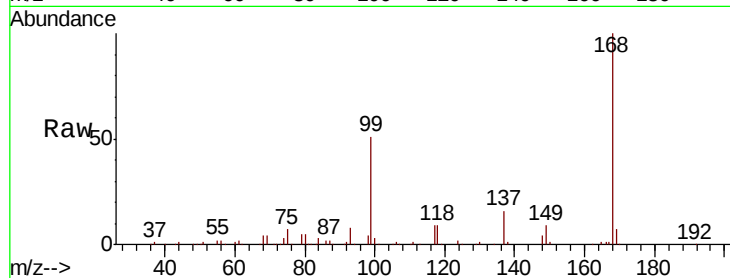
ClientSampled :

Tot Ion:168 Resp: 617393

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

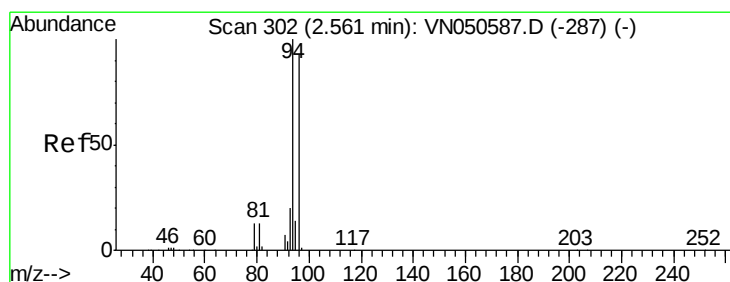
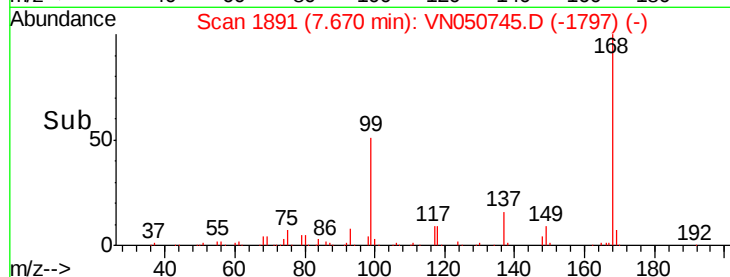
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050745.D

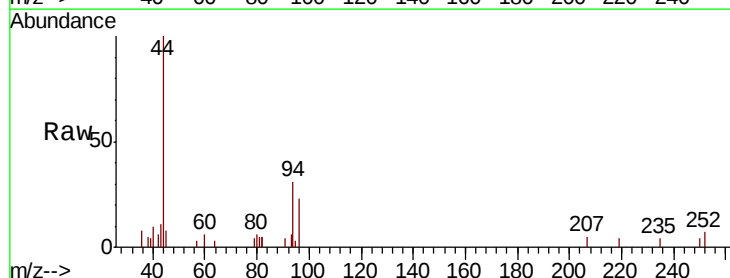
Acq: 18 Aug 2018 2:30

Tgt Ion: 94 Resp: 1805

Ion Ratio Lower Upper

94 100

96 63.5 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.56

2000

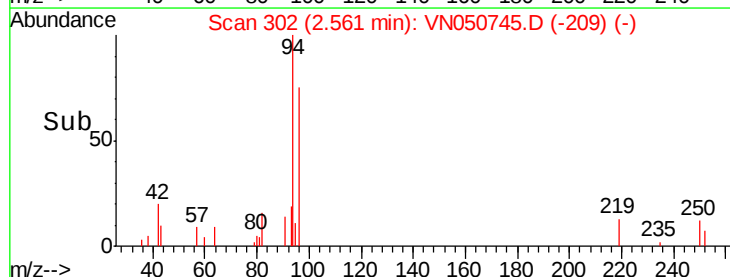
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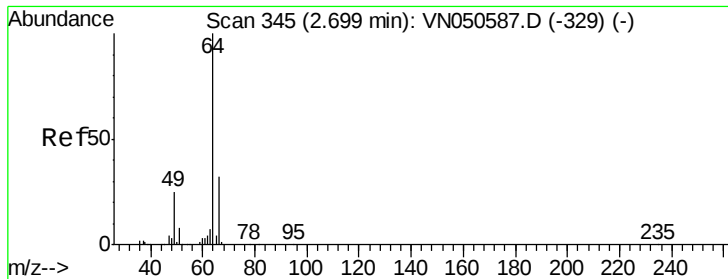
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

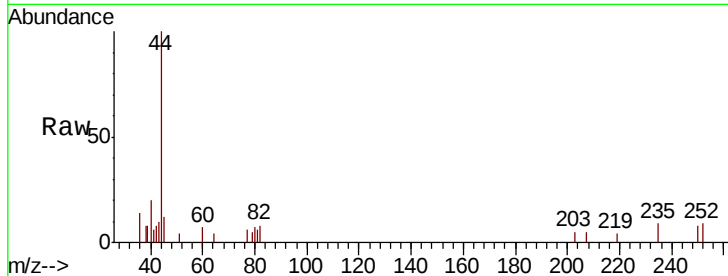
ClientSampleId :

Tot Ion: 64 Resp: 59

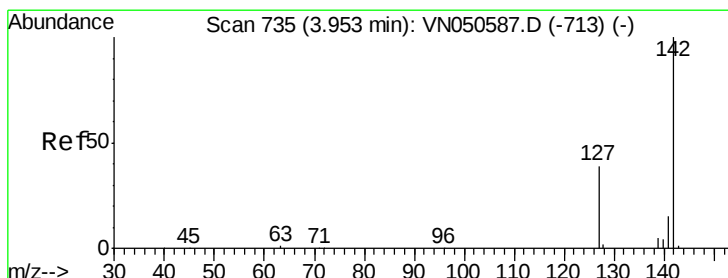
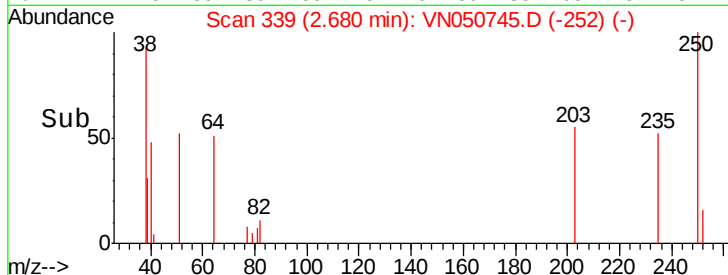
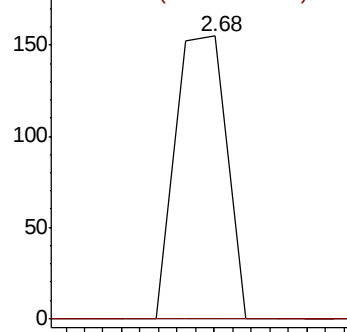
Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN050745.D (-252) (-)



#10

Methyl Iodide

Concen: 7.14 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

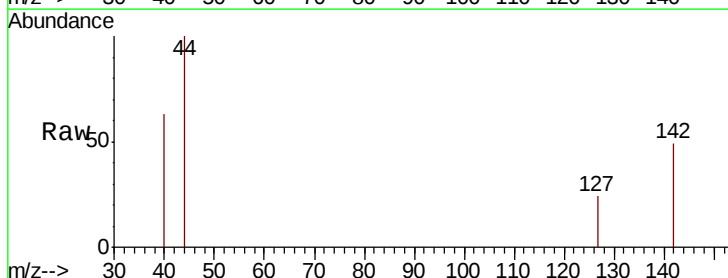
Tgt Ion: 142 Resp: 1180

Ion Ratio Lower Upper

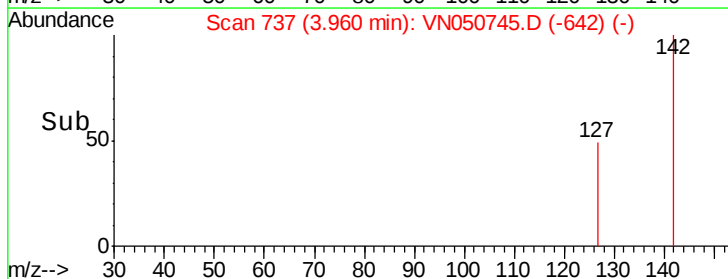
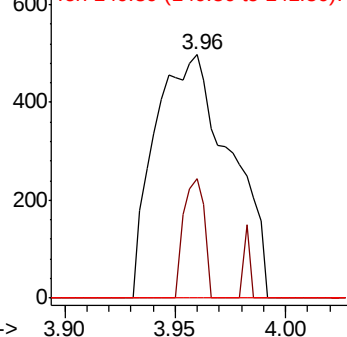
142 100

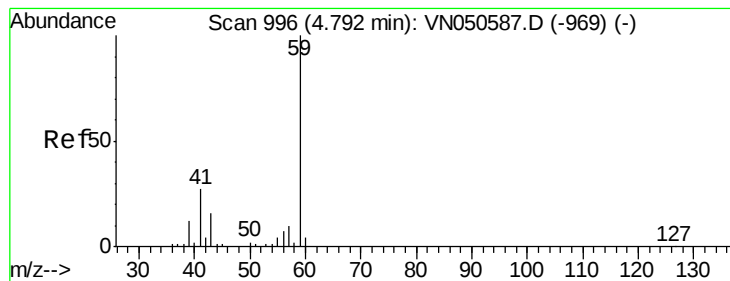
127 13.6 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050745.D (-642) (-)



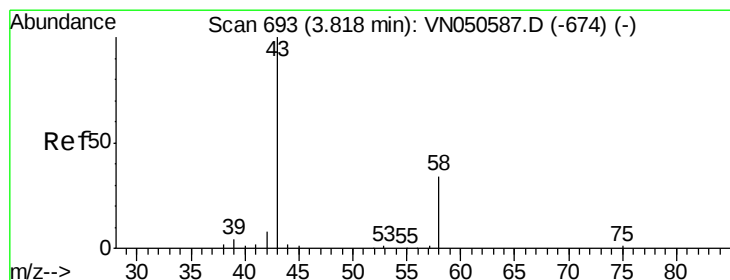
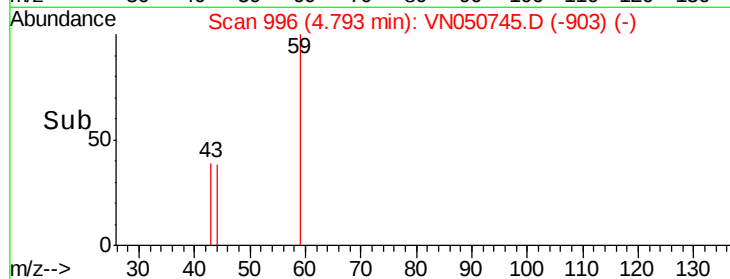
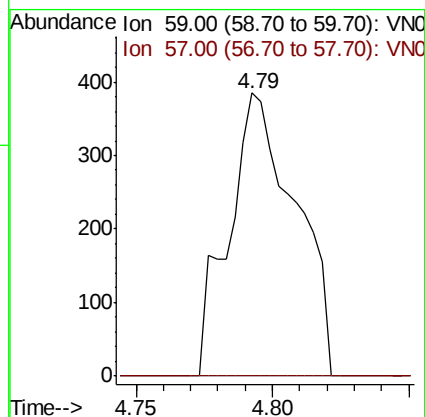
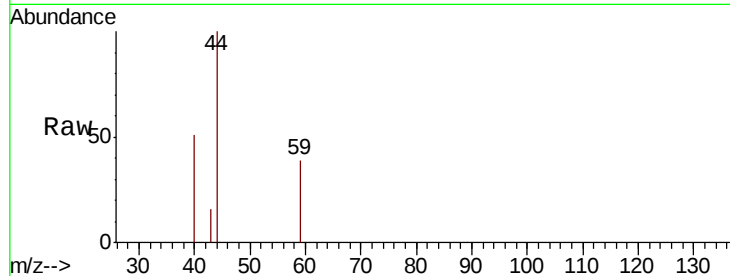


#11

Tert butyl alcohol
 Concen: 1.54 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

Instrument :
 MSVOA_N
 ClientSampled :

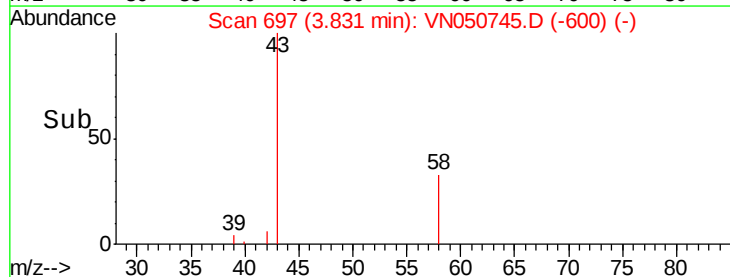
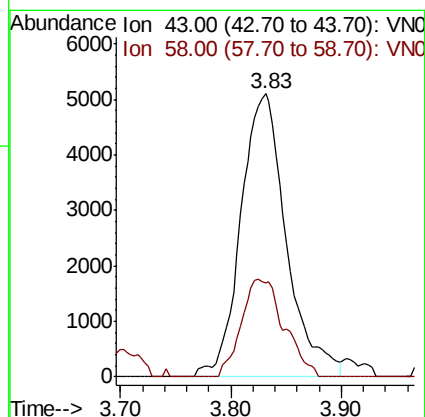
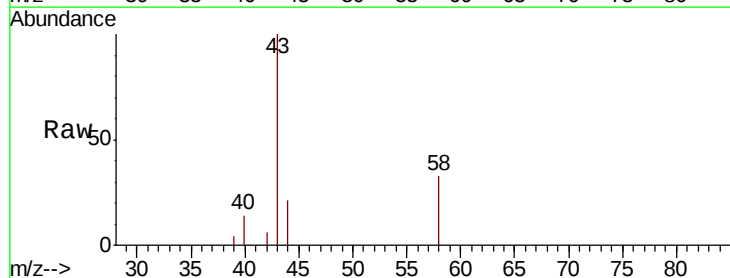
Tot Ion: 59 Resp: 655
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

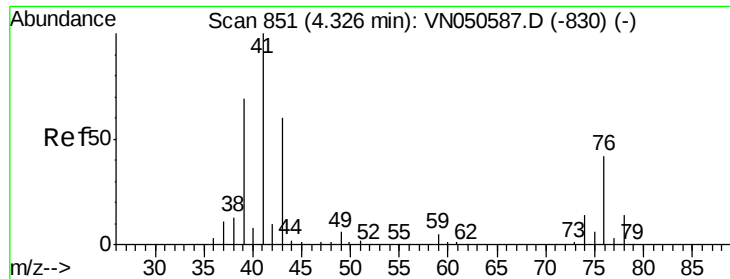


#16

Acetone
 Concen: 6.10 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

Tgt Ion: 43 Resp: 14596
 Ion Ratio Lower Upper
 43 100
 58 33.4 27.1 40.7

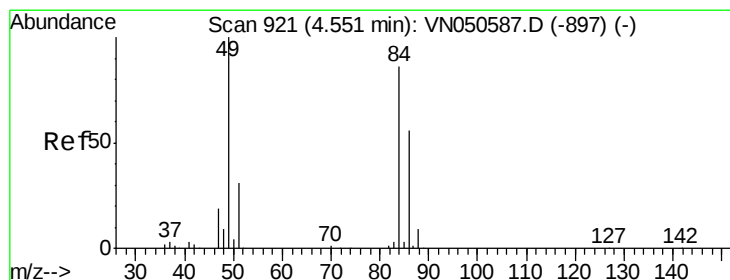
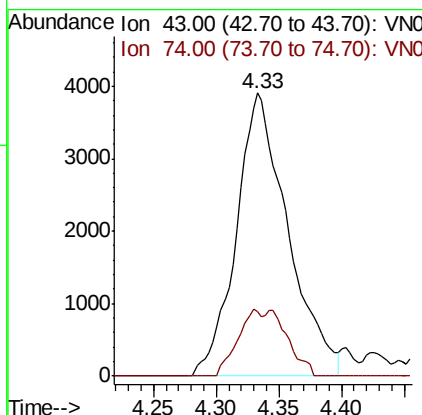
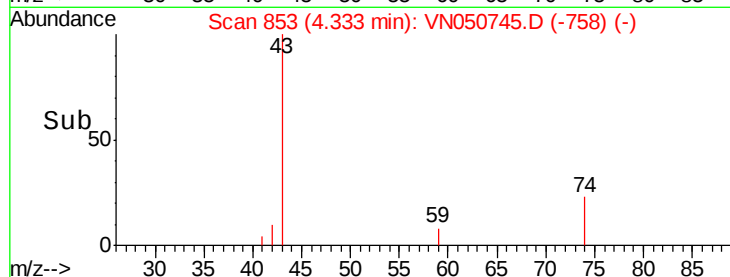
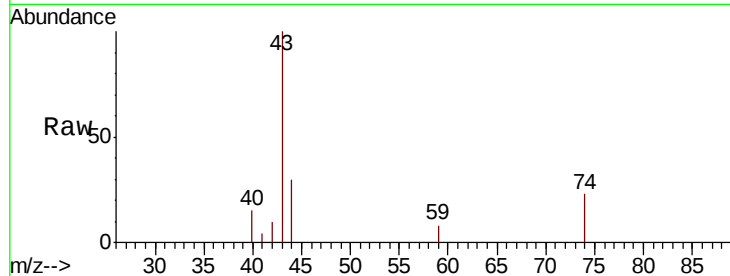




#18
Methyl Acetate
Concen: 1.07 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

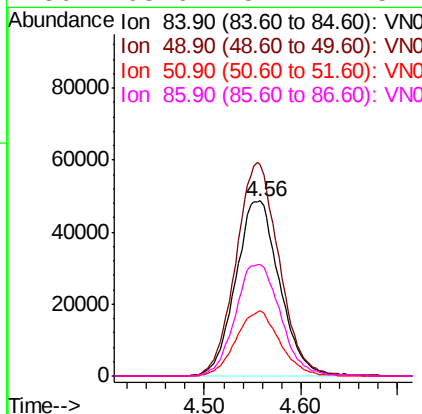
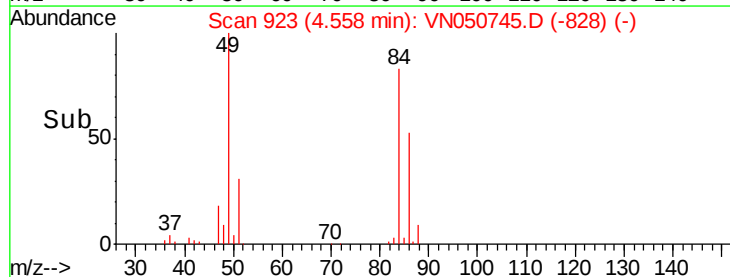
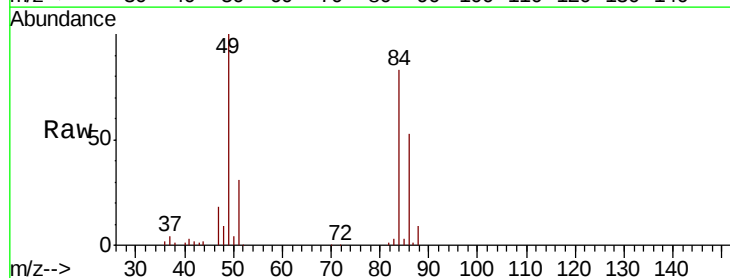
Instrument :
MSVOA_N
ClientSampled :

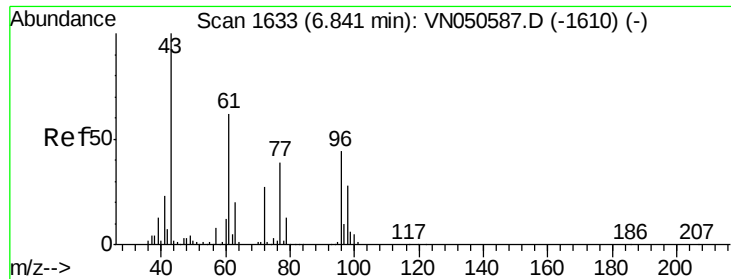
Tot Ion: 43 Resp: 11168
Ion Ratio Lower Upper
43 100
74 10.9 19.7 29.5#



#20
Methylene Chloride
Concen: 19.96 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

Tgt Ion: 84 Resp: 153265
Ion Ratio Lower Upper
84 100
49 120.9 92.6 138.8
51 37.3 28.6 43.0
86 63.6 52.2 78.2

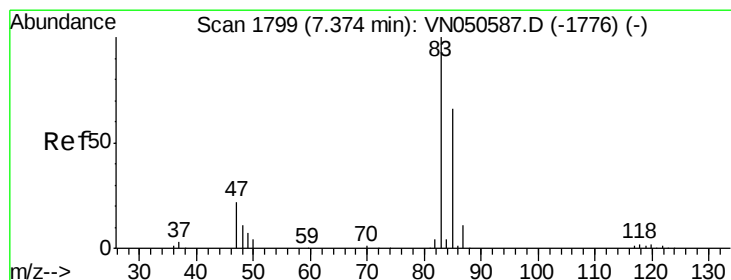
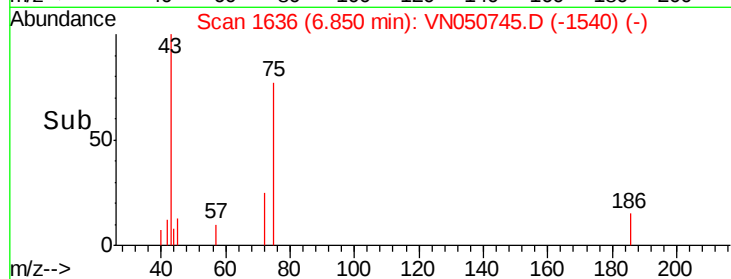
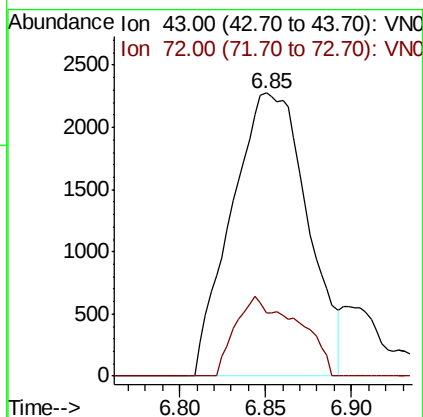
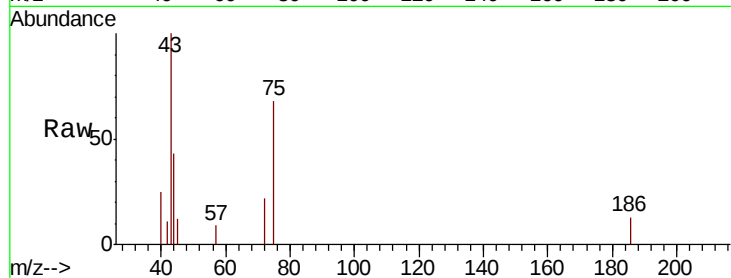




#25
2-Butanone
Concen: 2.18 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

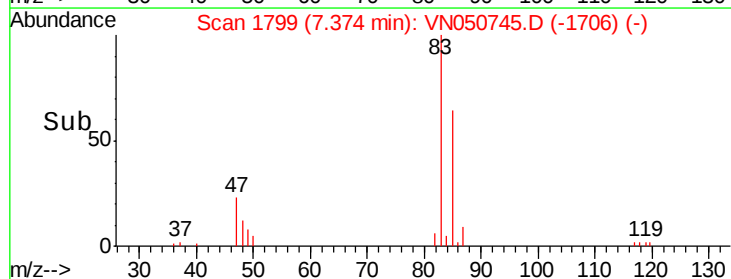
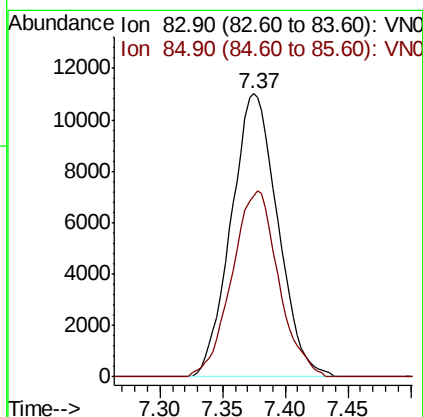
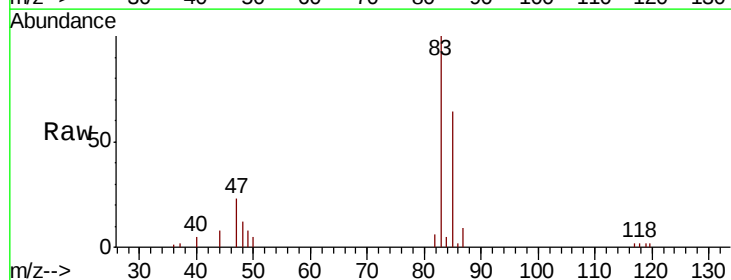
Instrument :
MSVOA_N
ClientSampled :

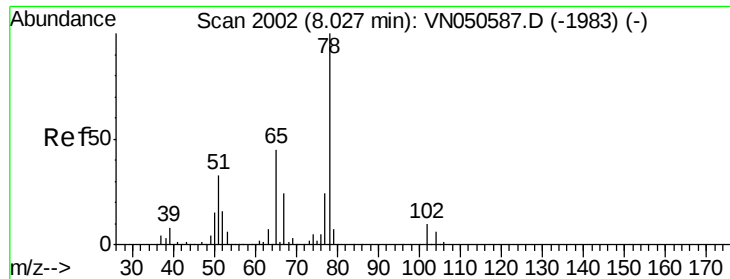
Tot Ion: 43 Resp: 6969
Ion Ratio Lower Upper
43 100
72 22.4 21.8 32.6



#30
Chloroform
Concen: 2.03 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

Tgt Ion: 83 Resp: 28493
Ion Ratio Lower Upper
83 100
85 64.1 52.5 78.7

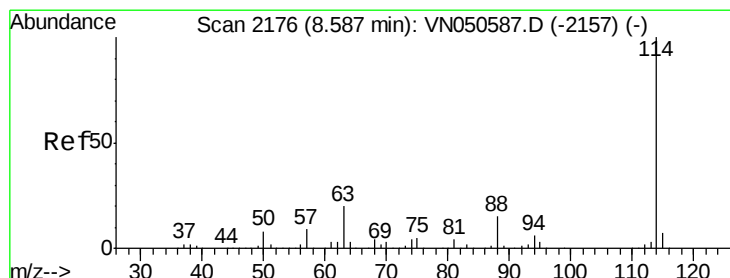
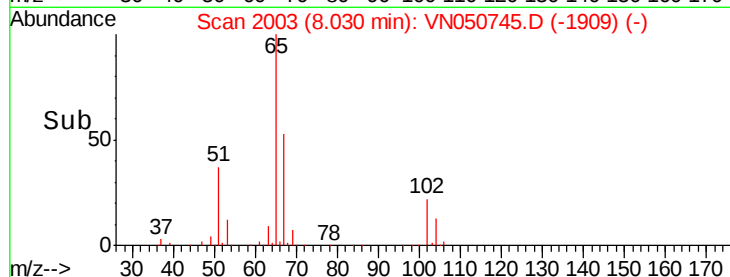
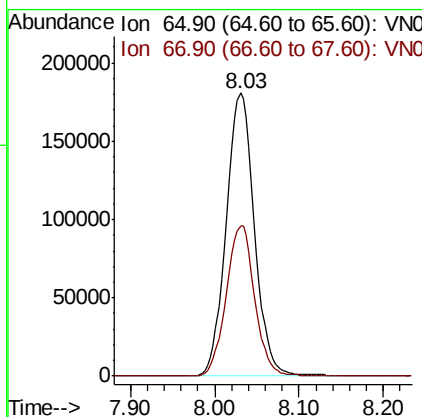
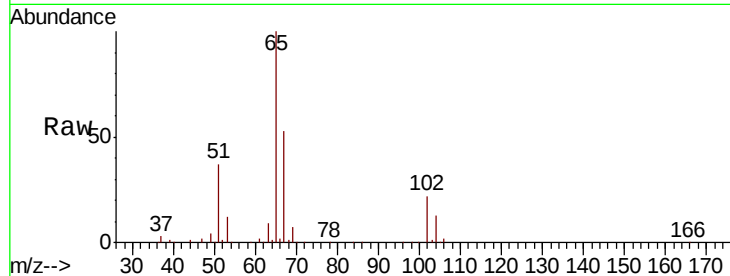




#33
 1,2-Dichloroethane-d4
 Concen: 54.13 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

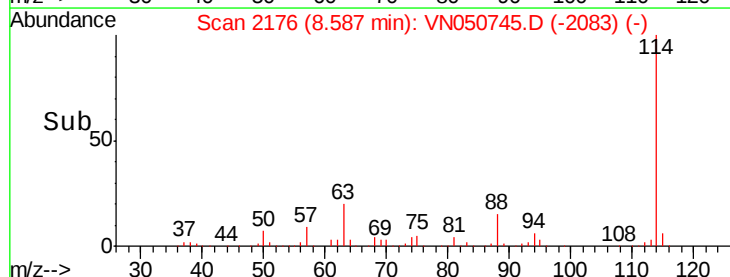
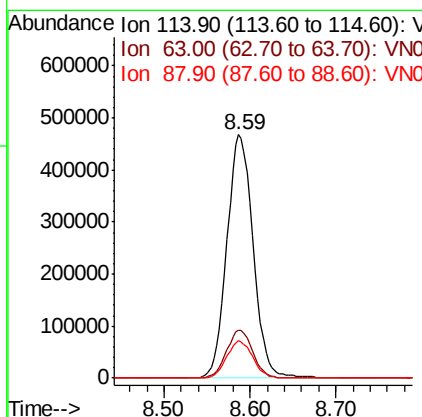
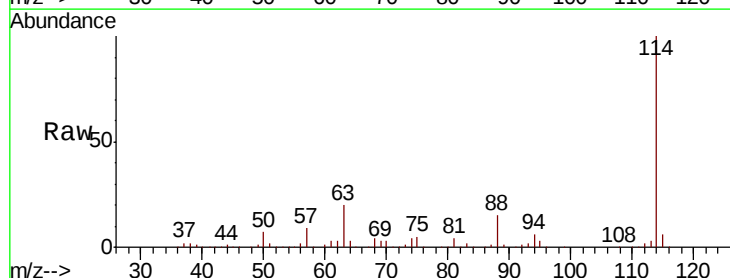
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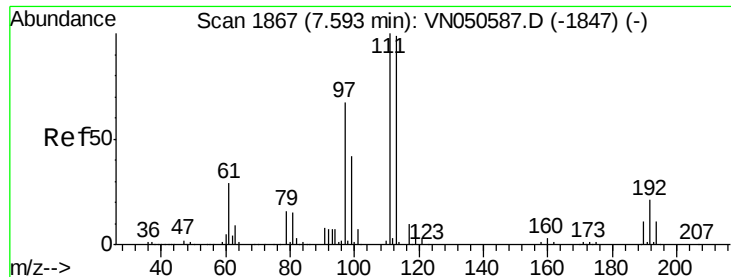
Tot Ion: 65 Resp: 421239
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

Tgt Ion: 114 Resp: 993235
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 30.8

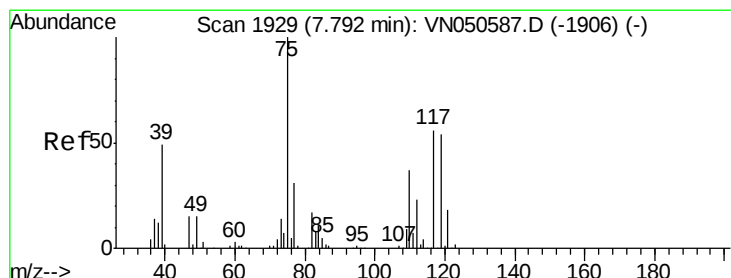
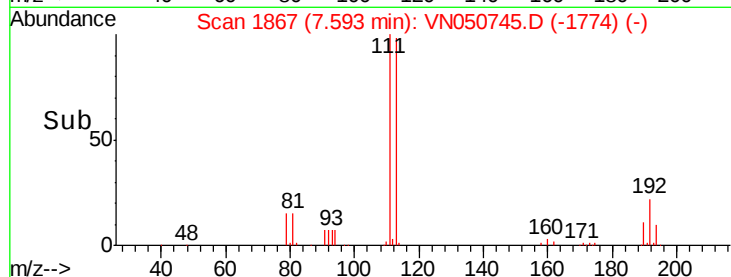
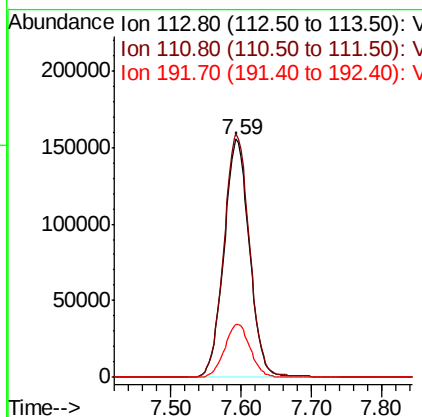
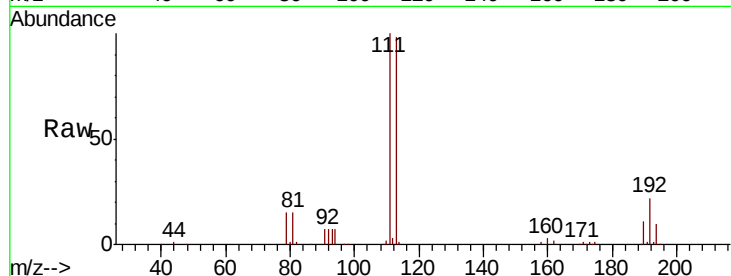




#35
 Dibromofluoromethane
 Concen: 49.47 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

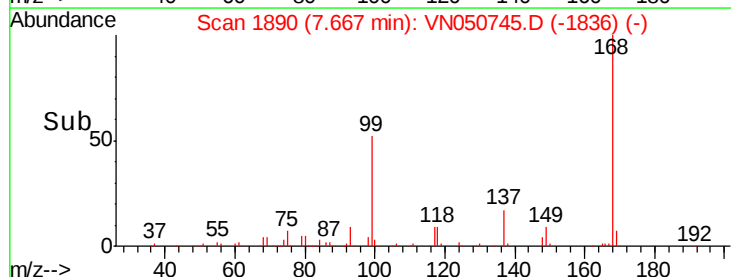
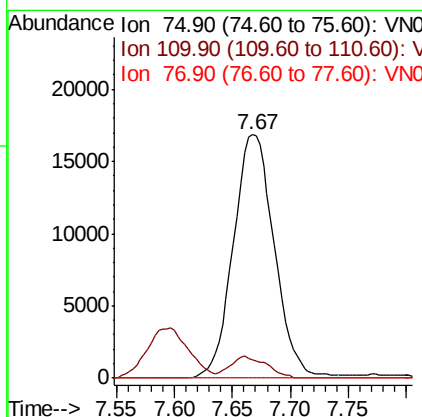
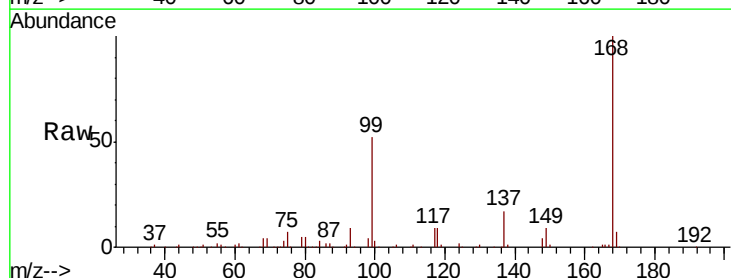
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 ClientSampleId :

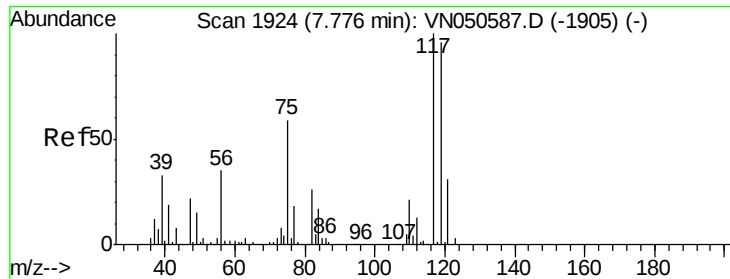
Tot Ion:113 Resp: 392273
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 22.5 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050745.D
 Acq: 18 Aug 2018 2:30

Tgt Ion: 75 Resp: 41407
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.3 54.9#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.90 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

ClientSampled :

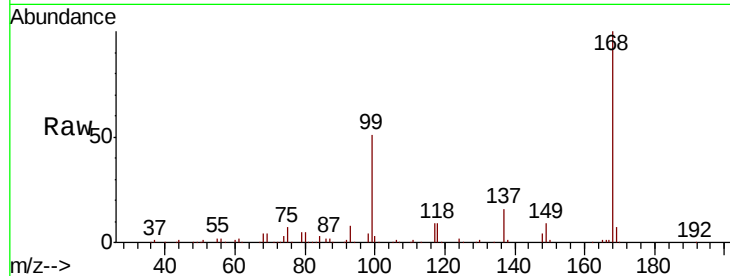
Tot Ion:117 Resp: 56167

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

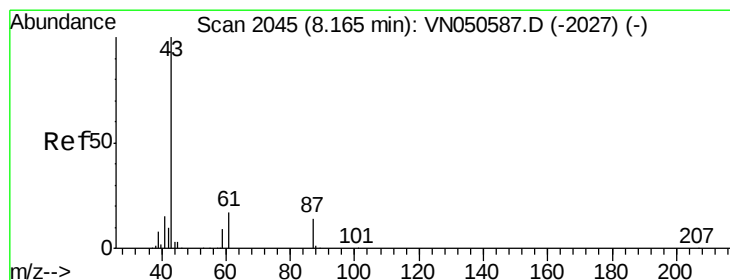
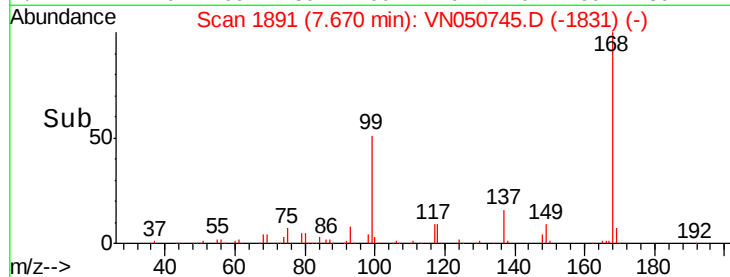
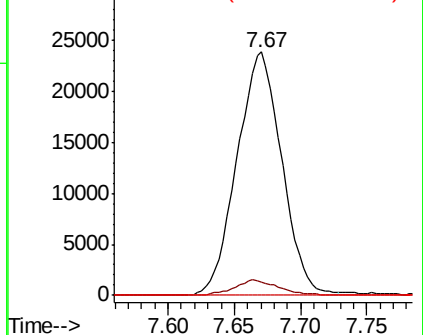
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 17.17 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

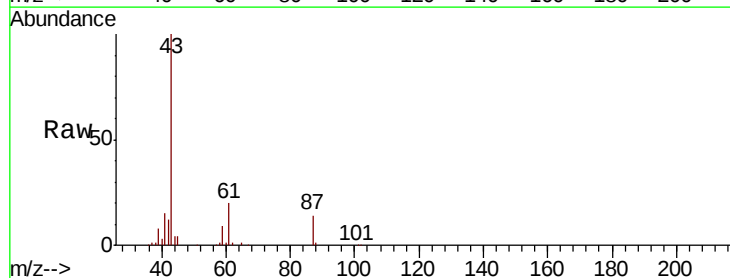
Tgt Ion: 43 Resp: 195537

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.2

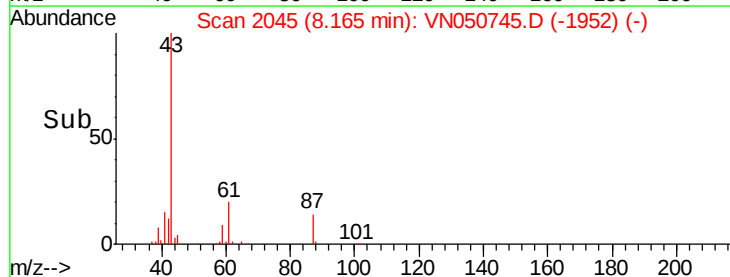
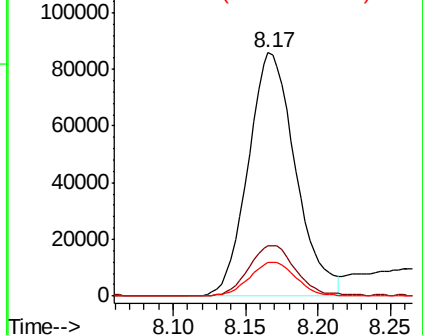
87 13.6 10.9 16.3

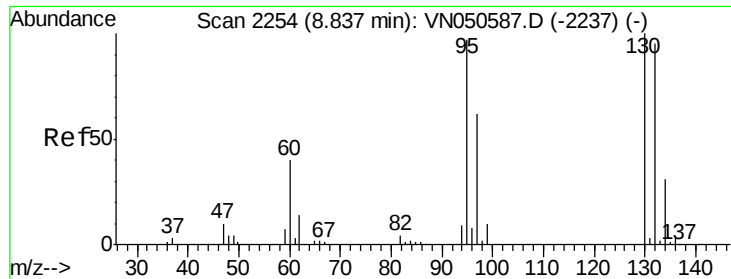


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.95 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

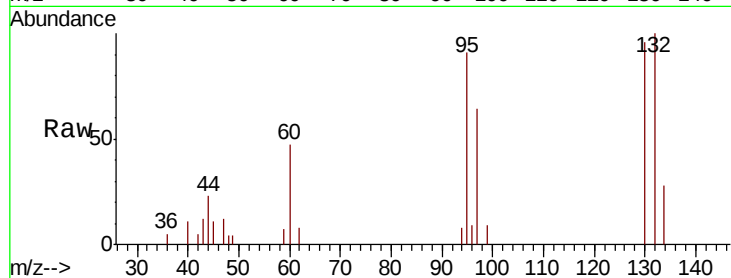
ClientSampleId :

Tot Ion:130 Resp: 8588

Ion Ratio Lower Upper

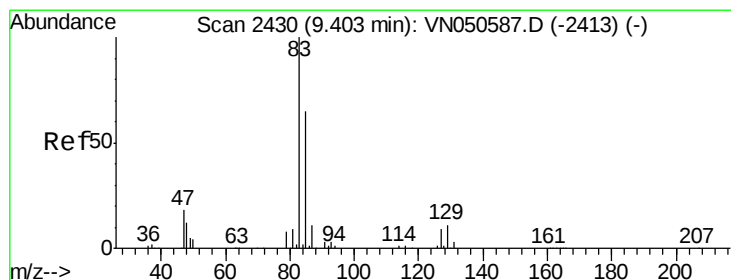
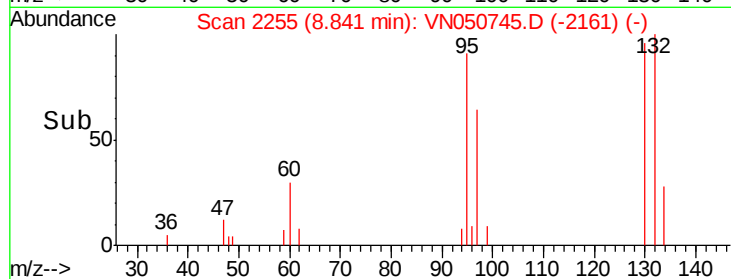
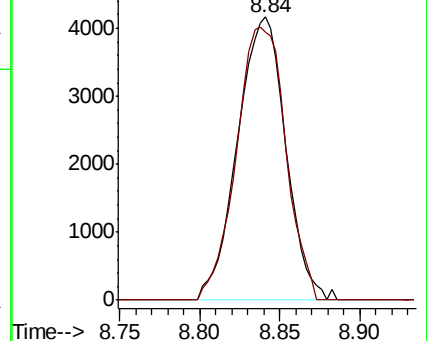
130 100

95 94.6 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#47

Bromodichloromethane

Concen: 0.50 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

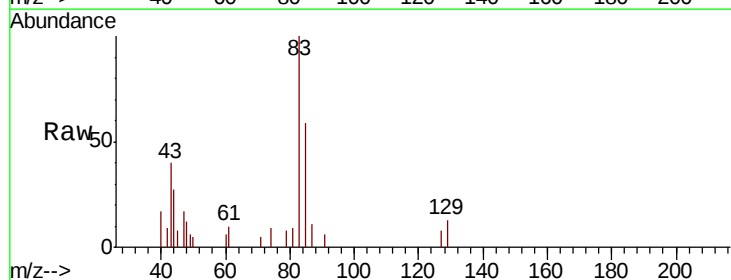
Tgt Ion: 83 Resp: 5631

Ion Ratio Lower Upper

83 100

85 59.3 51.8 77.6

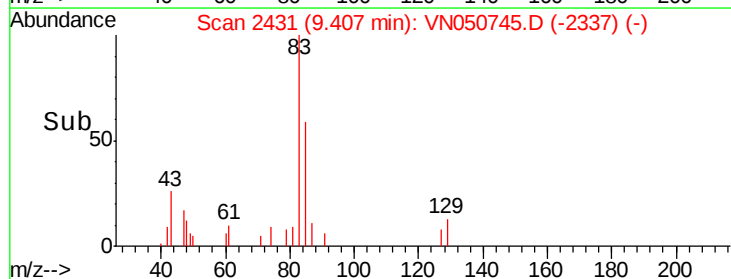
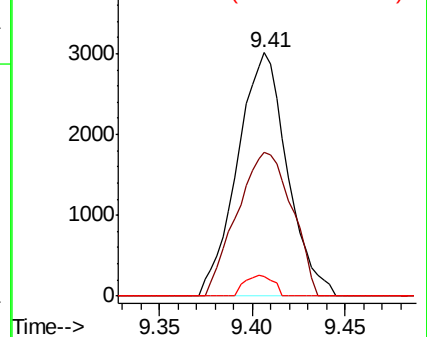
127 8.1 7.2 10.8

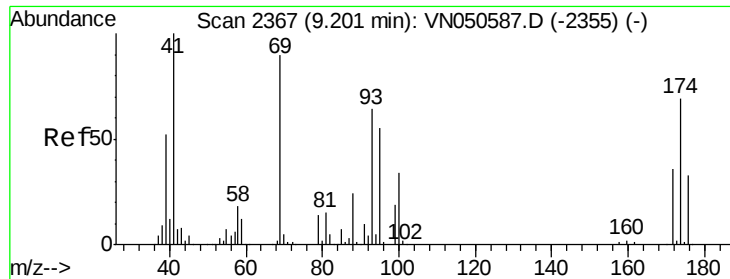


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

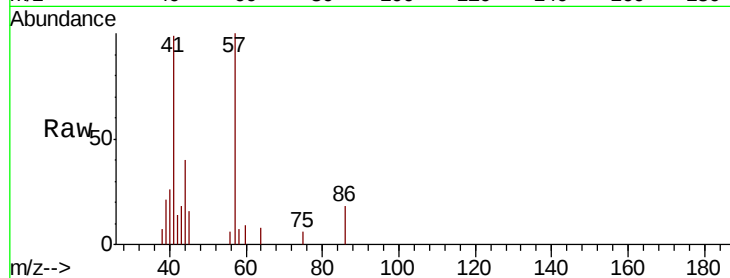




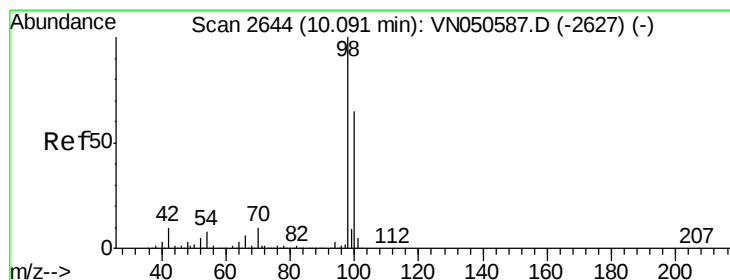
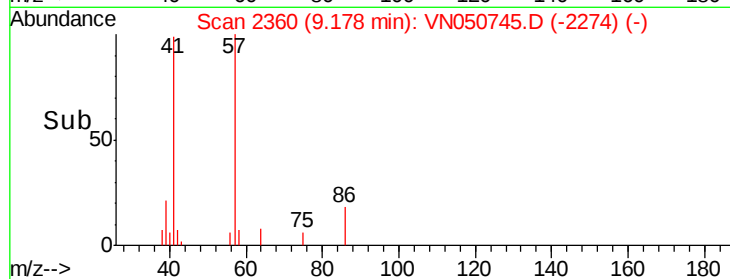
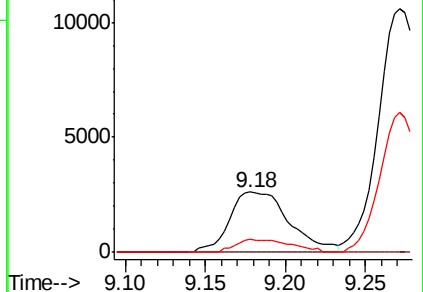
#48
Methyl methacrylate
Concen: 1.18 ug/l
RT: 9.18 min Scan# 2360
Delta R.T. -0.02 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 6739
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 19.7 43.0 64.6#

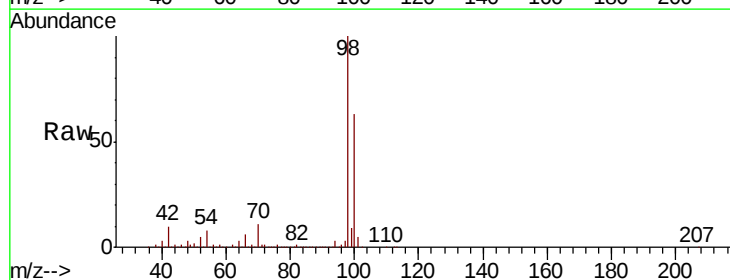


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

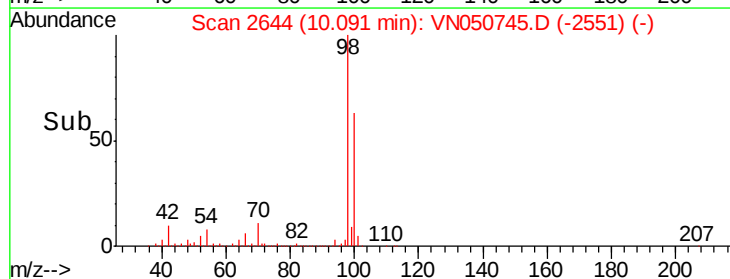
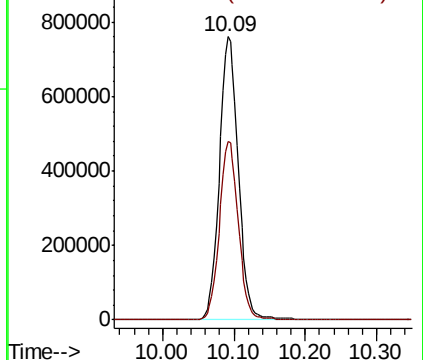


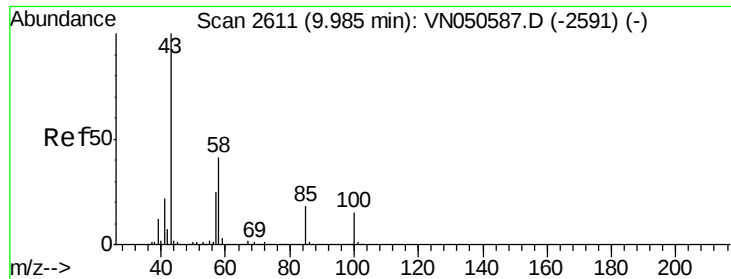
#50
Toluene-d8
Concen: 46.72 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

Tgt Ion: 98 Resp: 1394291
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.21 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

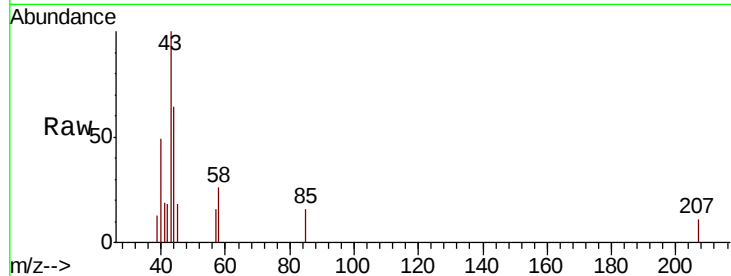
ClientSampleId :

Tot Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

58 38.0 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

1000

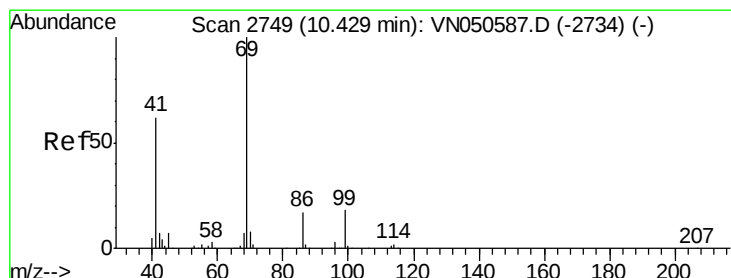
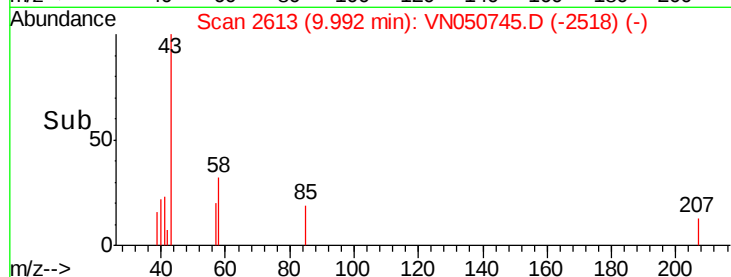
500

0

9.95

10.00

Time-->



#56

Ethyl methacrylate

Concen: 2.10 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.20 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

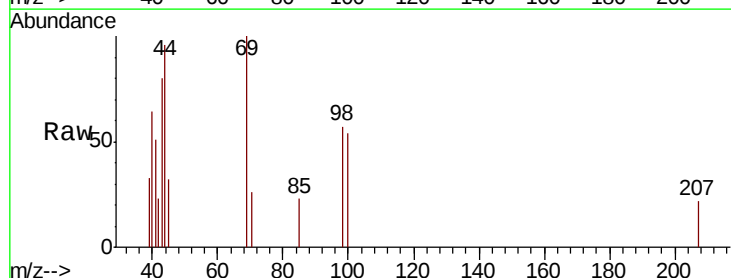
Tgt Ion: 69 Resp: 1901

Ion Ratio Lower Upper

69 100

41 32.5 49.7 74.5#

39 46.1 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

1200

1000

800

600

400

200

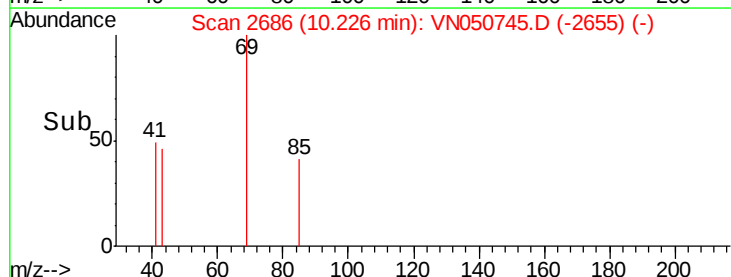
0

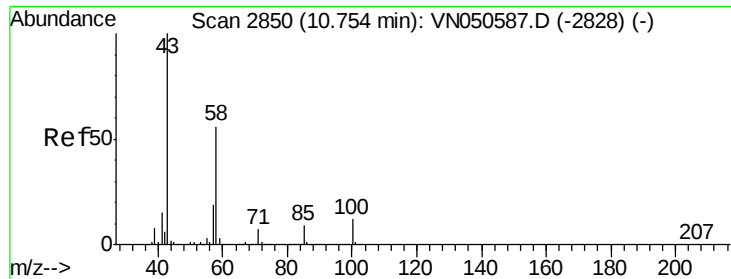
10.20

10.25

10.30

Time-->





#59

2-Hexanone

Concen: 3.18 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

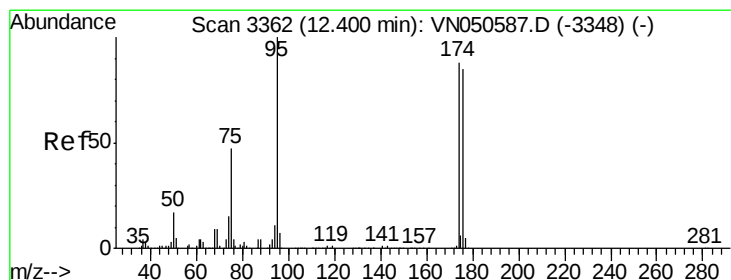
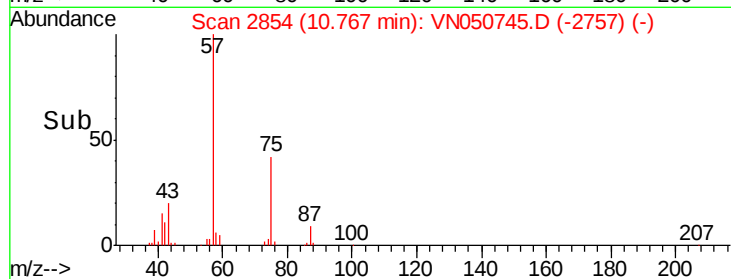
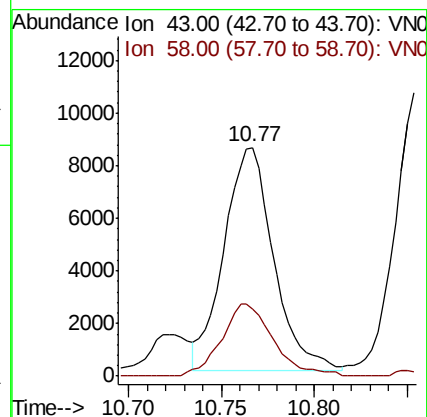
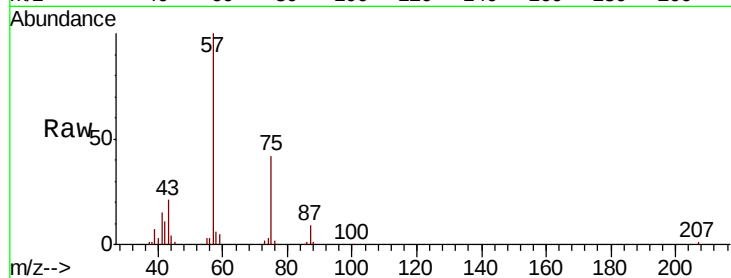
ClientSampleId :

Tot Ion: 43 Resp: 15794

Ion Ratio Lower Upper

43 100

58 33.7 28.0 84.0



#62

4-Bromofluorobenzene

Concen: 36.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

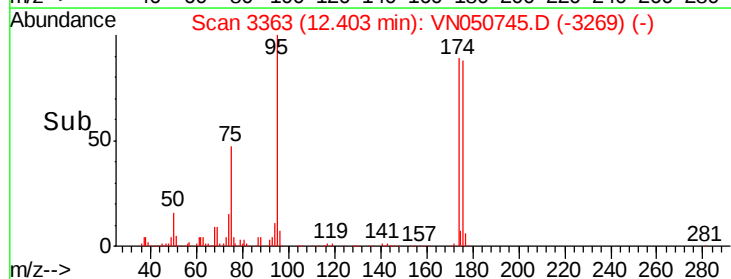
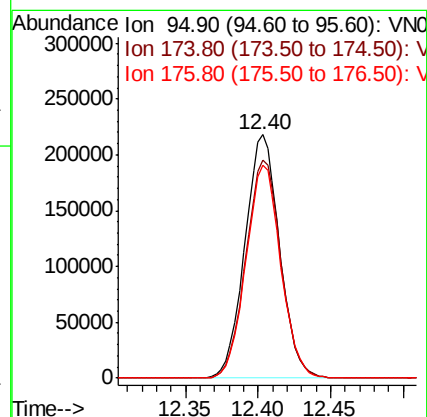
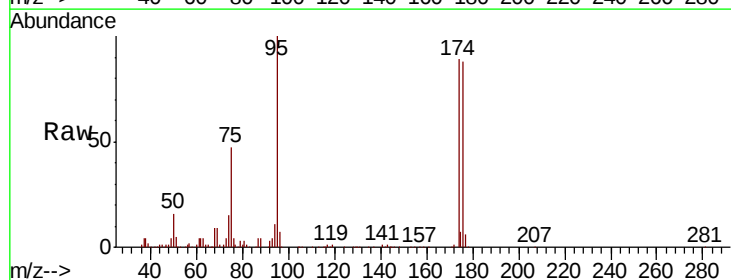
Tgt Ion: 95 Resp: 362530

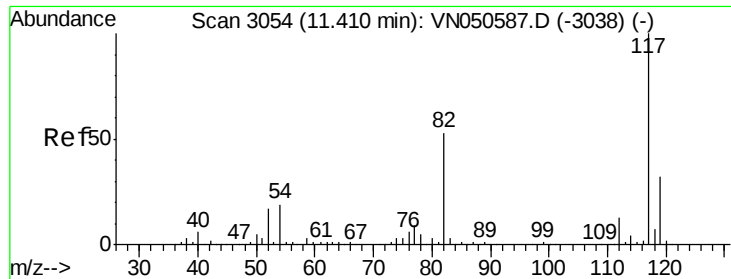
Ion Ratio Lower Upper

95 100

174 91.0 0.0 177.8

176 87.9 0.0 175.0

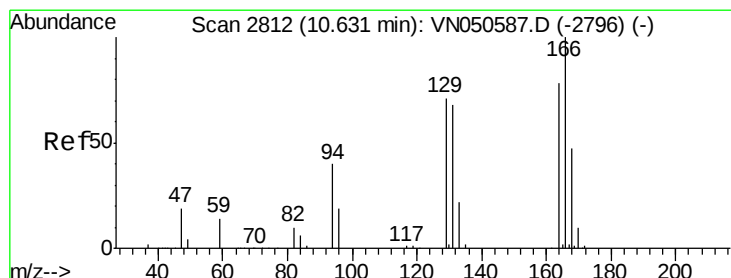
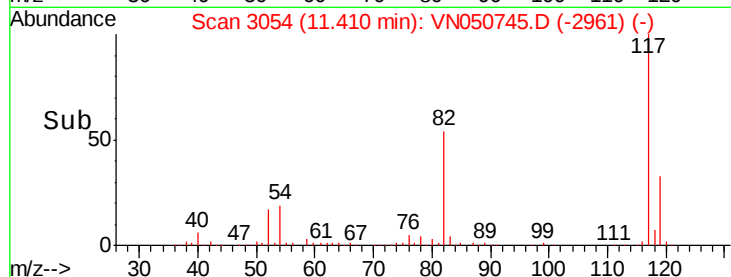
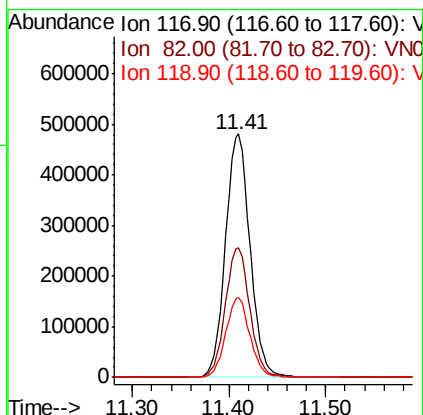
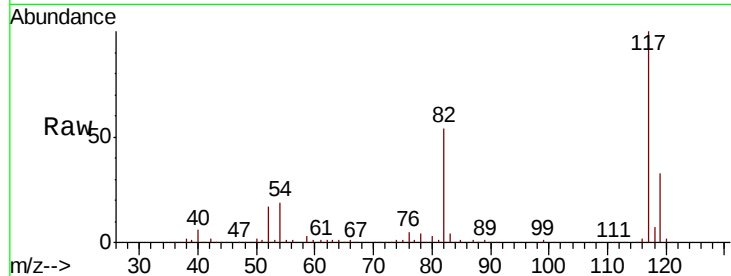




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

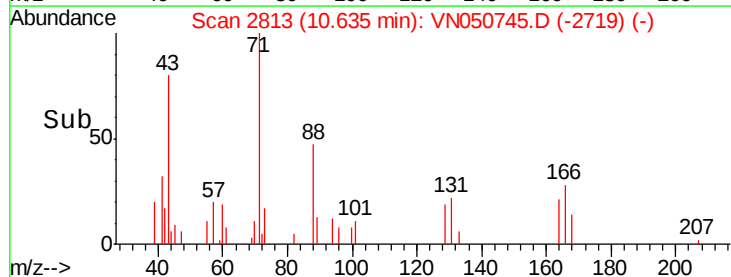
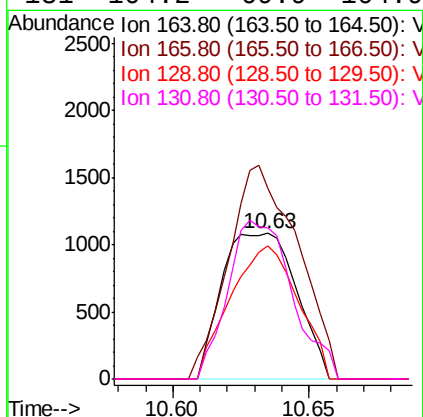
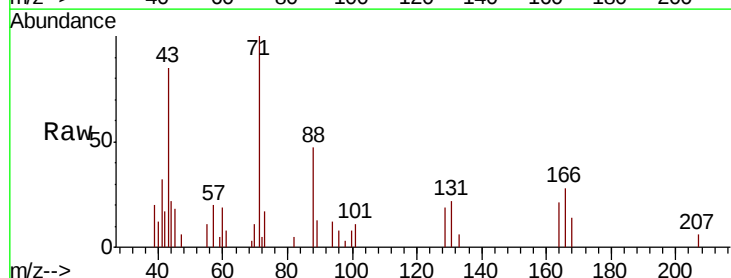
Instrument :
MSVOA_N
ClientSampled :

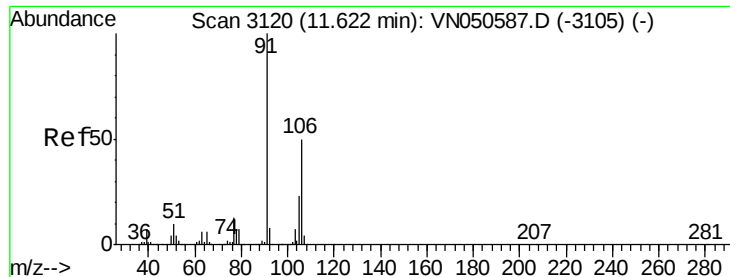
Tot Ion:117 Resp: 846599
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.8 25.8 38.8



#64
Tetrachloroethene
Concen: 0.26 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050745.D
Acq: 18 Aug 2018 2:30

Tgt Ion:164 Resp: 2060
Ion Ratio Lower Upper
164 100
166 131.4 102.1 153.1
129 91.7 72.7 109.1
131 104.2 69.9 104.9





#68

m/p-Xvlenes

Concen: 0.25 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

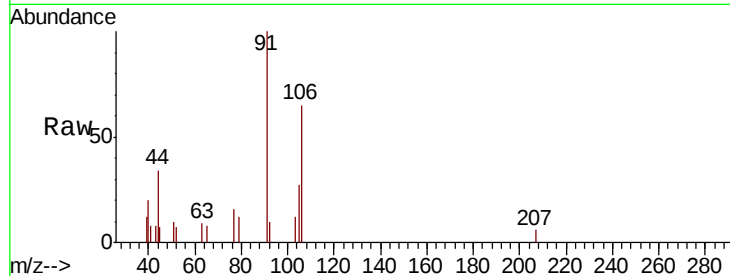
ClientSampleId :

Tot Ion:106 Resp: 3304

Ion Ratio Lower Upper

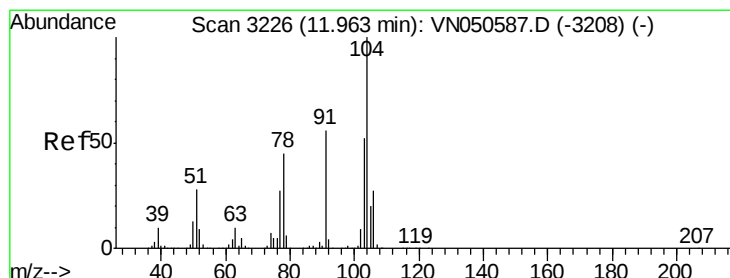
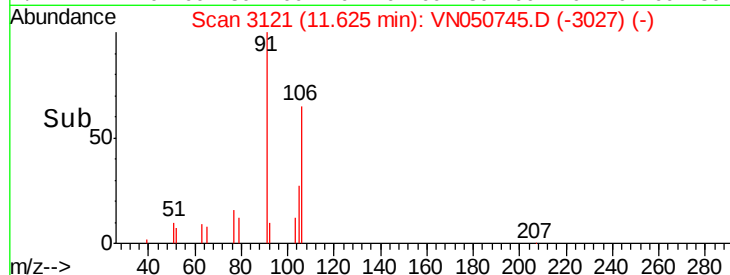
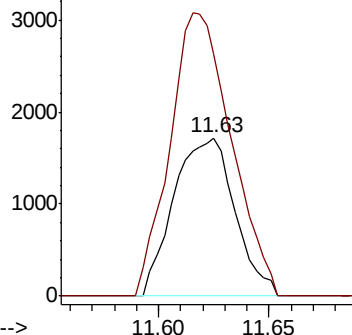
106 100

91 179.4 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.97 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

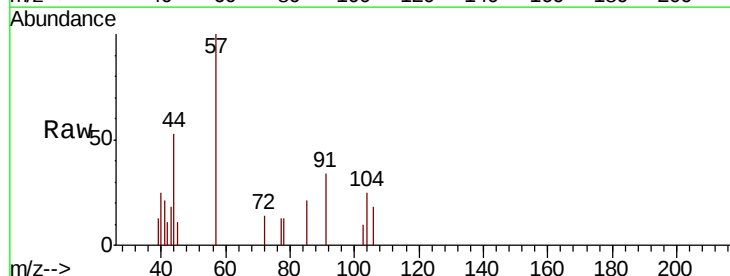
Tgt Ion:104 Resp: 705

Ion Ratio Lower Upper

104 100

78 27.9 39.1 58.7#

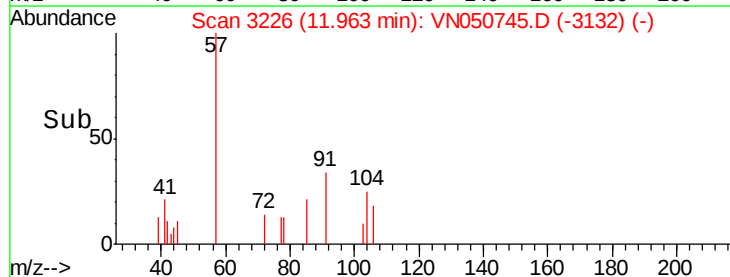
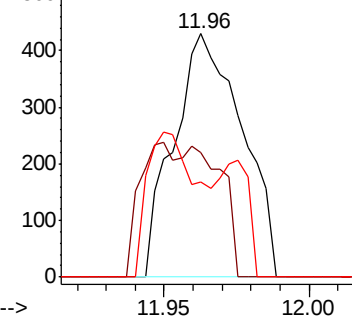
103 44.1 44.9 67.3#

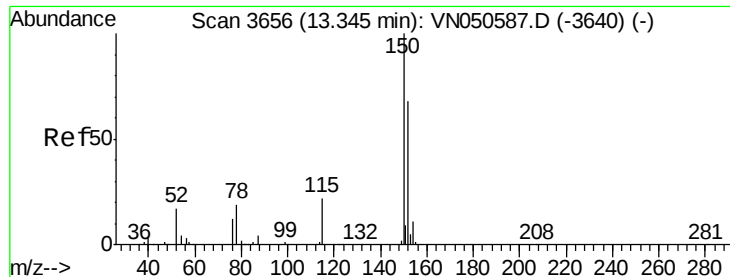


Abundance Ion 104.00 (103.70 to 104.70): V

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: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

ClientSampleId :

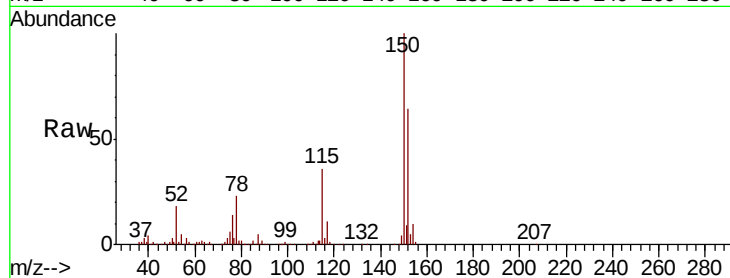
Tot Ion:152 Resp: 283060

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

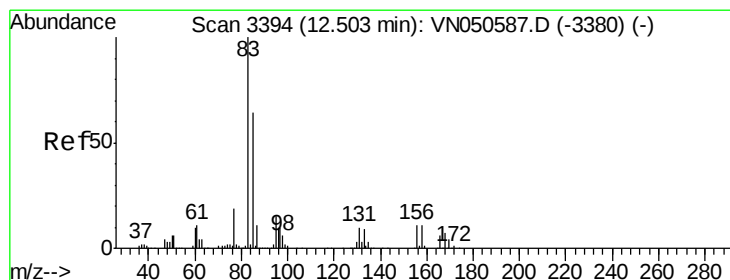
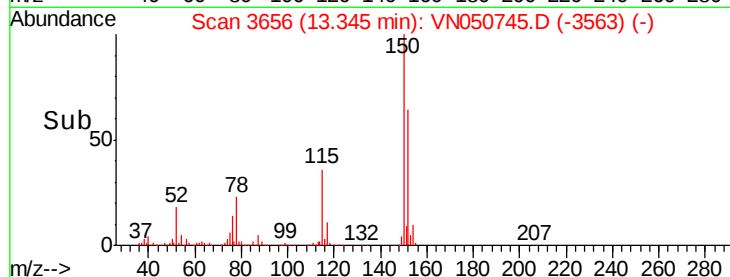
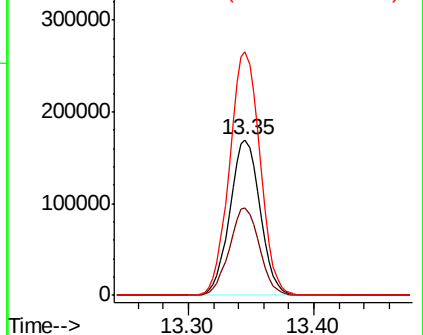
150 157.8 0.0 347.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

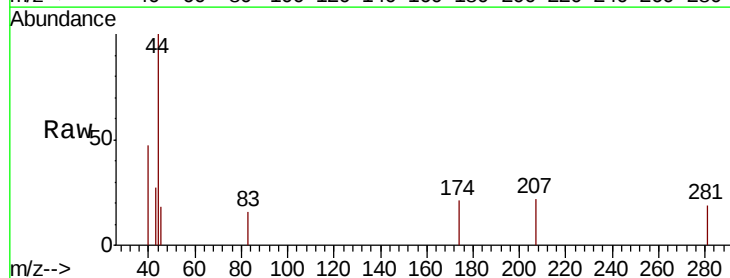
Tgt Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

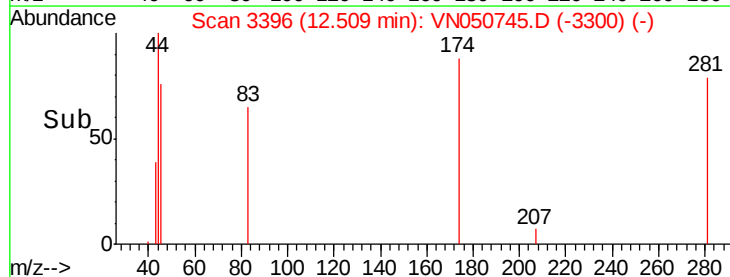
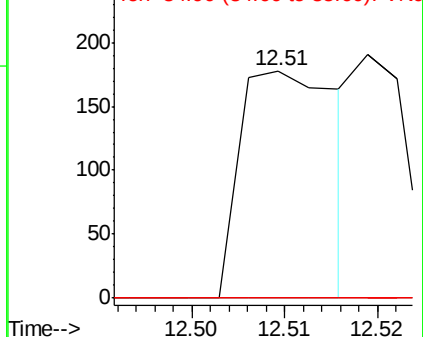
85 0.0 32.1 96.5#

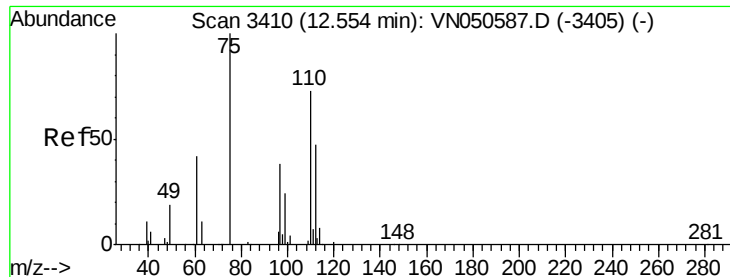


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

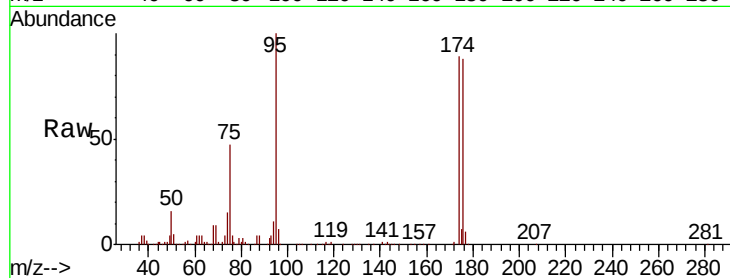
ClientSampled :

Tot Ion: 75 Resp: 171019

Ion Ratio Lower Upper

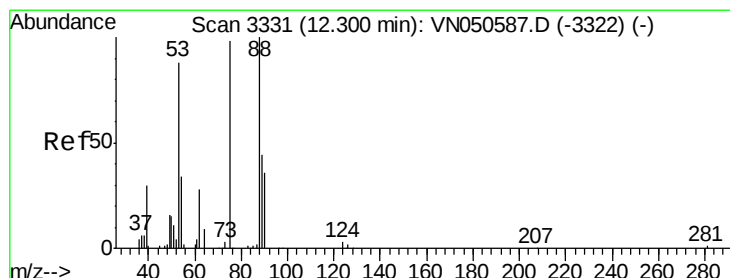
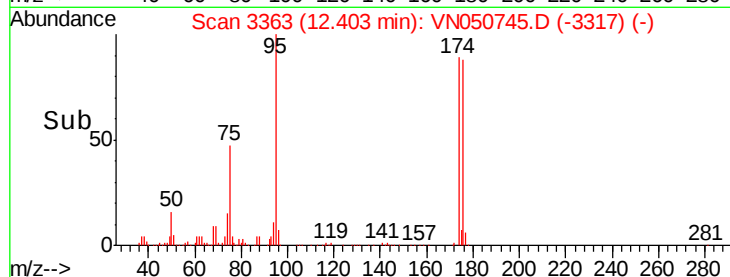
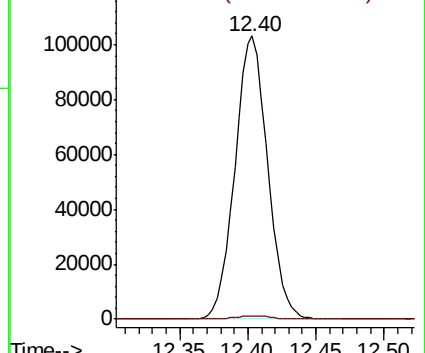
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 134.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

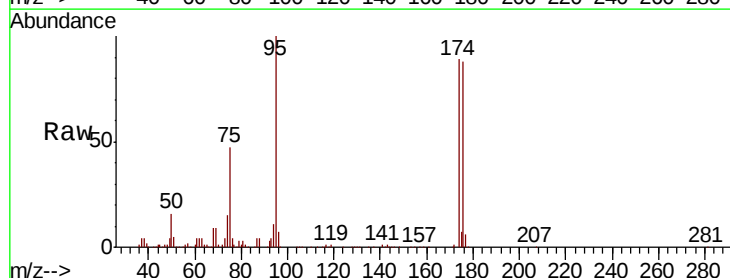
Tgt Ion: 75 Resp: 171019

Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

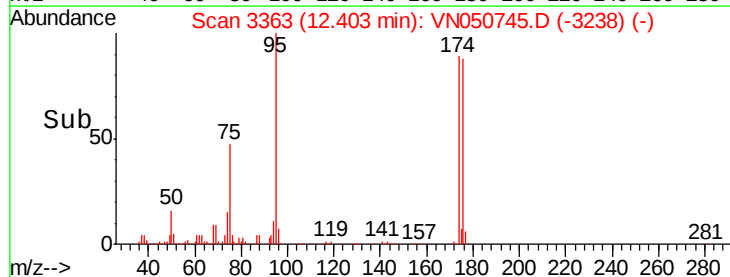
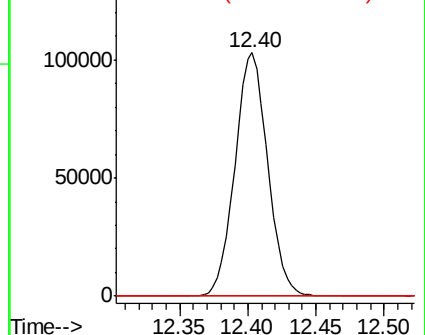
89 0.0 36.3 54.5#

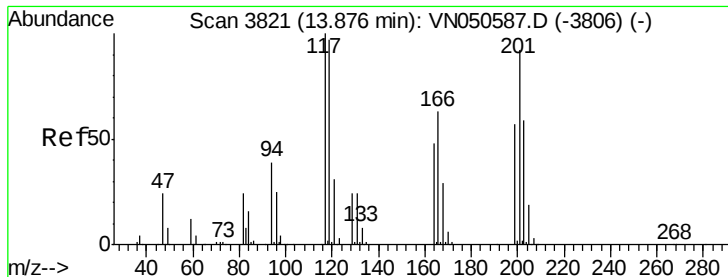


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.99 min Scan# 3858

Delta R.T. 0.12 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

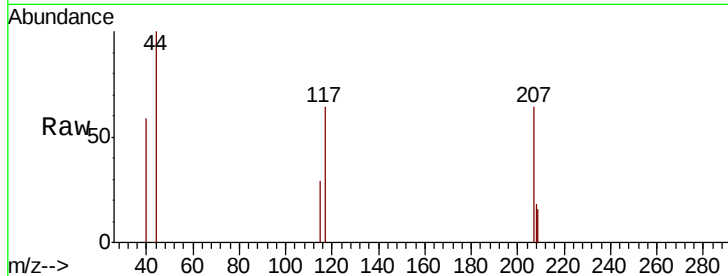
ClientSampled :

Tot Ion:117 Resp: 799

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

13.99

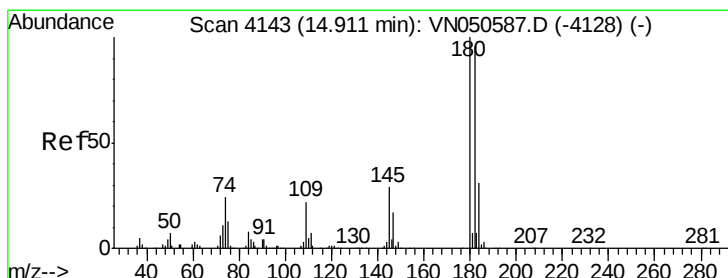
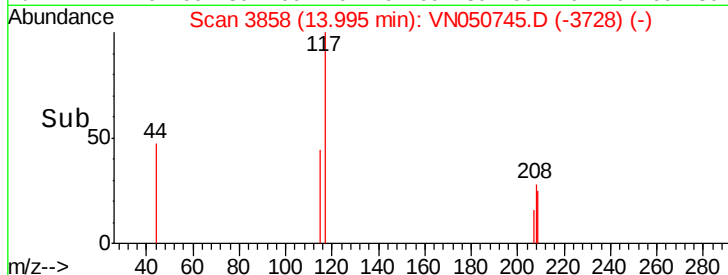
600

400

200

0

Time--> 13.96 13.98 14.00 14.02



#93

1,2,4-Trichlorobenzene

Concen: 2.82 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

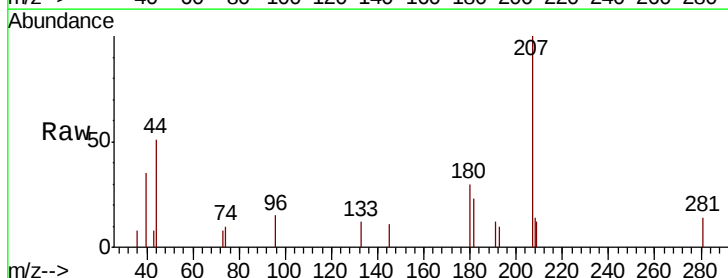
Tgt Ion:180 Resp: 811

Ion Ratio Lower Upper

180 100

182 61.7 47.9 143.7

145 18.0 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

800

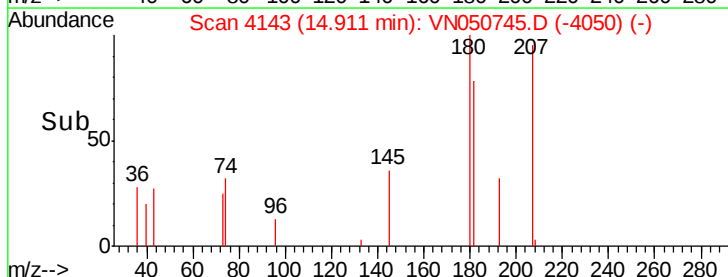
600

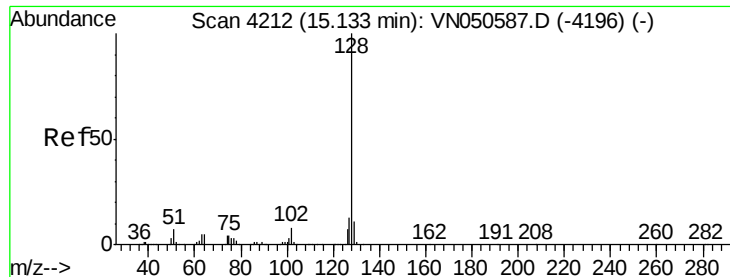
400

200

0

Time--> 14.90





#95

Naphthalene

Concen: 13.67 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

Instrument :

MSVOA_N

ClientSampleId :

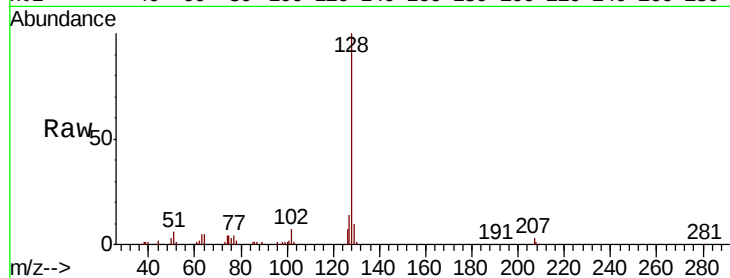
Tot Ion:128 Resp: 115712

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

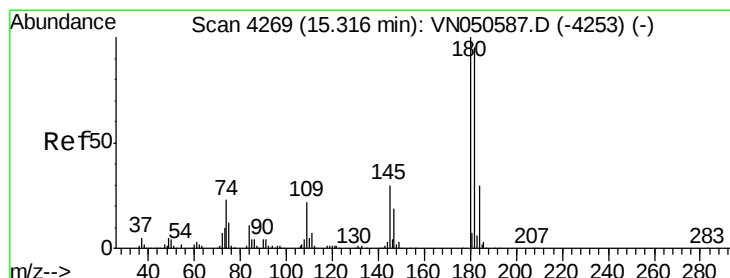
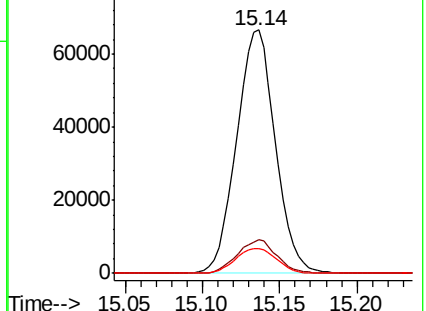
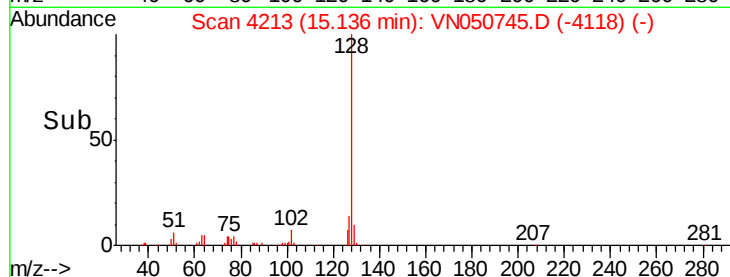
129 10.8 8.5 12.7



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: 2.11 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050745.D

Acq: 18 Aug 2018 2:30

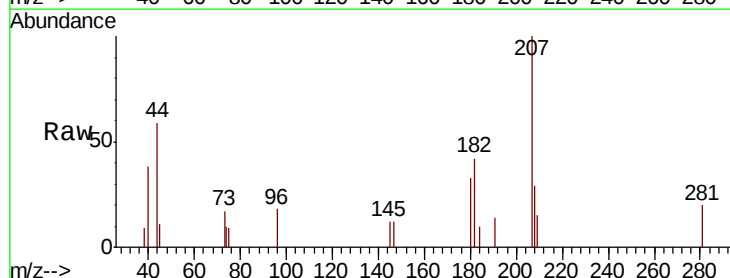
Tgt Ion:180 Resp: 838

Ion Ratio Lower Upper

180 100

182 126.6 47.3 141.8

145 25.1 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

