

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050817.D
 Acq On : 22 Aug 2018 14:13
 Operator : MD\SY
 Sample : J4510-01DL 10X
 Misc : 6.99g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

Quant Time: Aug 23 01:04:45 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	713278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1107567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440000	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	441501	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	422969	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.09	98	1602229	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	563552	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3114	0.26	ug/l	# 83
5) Bromomethane	2.56	94	2754	Below	Cal	# 77
10) Methyl Iodide	3.96	142	2115	6.58	ug/l	# 78
11) Tert butyl alcohol	4.75	59	411	0.75	ug/l	# 72
13) Acrolein	3.61	56	65	18.10	ug/l	# 63
16) Acetone	3.82	43	2222	Below	Cal	90
17) Carbon Disulfide	4.05	76	7455	0.28	ug/l	97
18) Methyl Acetate	4.34	43	5781	0.71	ug/l	# 80
29) Tetrahydrofuran	7.22	42	994	0.50	ug/l	# 40
31) Cyclohexane	7.67	56	13130	1.36	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	48511	3.71	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	62980	4.77	ug/l	# 18
39) Methylcyclohexane	9.08	83	5940	0.42	ug/l	98
43) Isopropyl Acetate	8.27	43	25361	1.96	ug/l	# 58
49) 1,4-Dioxane	9.20	88	30	0.33	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.09	43	11083	1.44	ug/l	# 1
52) Toluene	10.16	92	6438	0.28	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	38657	4.46	ug/l	# 21
56) Ethyl methacrylate	10.43	69	16459	3.74	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.70	63	153	12.25	ug/l	# 47
59) 2-Hexanone	10.72	43	315088	61.44	ug/l	# 28
64) Tetrachloroethene	10.63	164	3059	0.31	ug/l	93
67) Ethyl Benzene	11.51	91	196906	4.49	ug/l	98
68) m/p-Xylenes	11.62	106	1090192	65.52	ug/l	98
69) o-Xylene	11.95	106	688572	43.04	ug/l	96
70) Styrene	11.95	104	36681	2.54	ug/l	# 1
73) Isopropylbenzene	12.25	105	468823	12.87	ug/l	100
74) N-amyl acetate	12.05	43	1460636	159.56	ug/l	# 55
75) 1,1,2,2-Tetrachloroethane	12.45	83	116095	12.13	ug/l	# 55
76) 1,2,3-Trichloropropane	12.65	75	34584	4.49	ug/l	# 100
77) Bromobenzene	12.52	156	2511	0.25	ug/l	# 1
78) n-propylbenzene	12.59	91	1183672	29.08	ug/l	100
79) 2-Chlorotoluene	12.66	91	520325	20.52	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.73	105	3644596	123.97	ug/l	99

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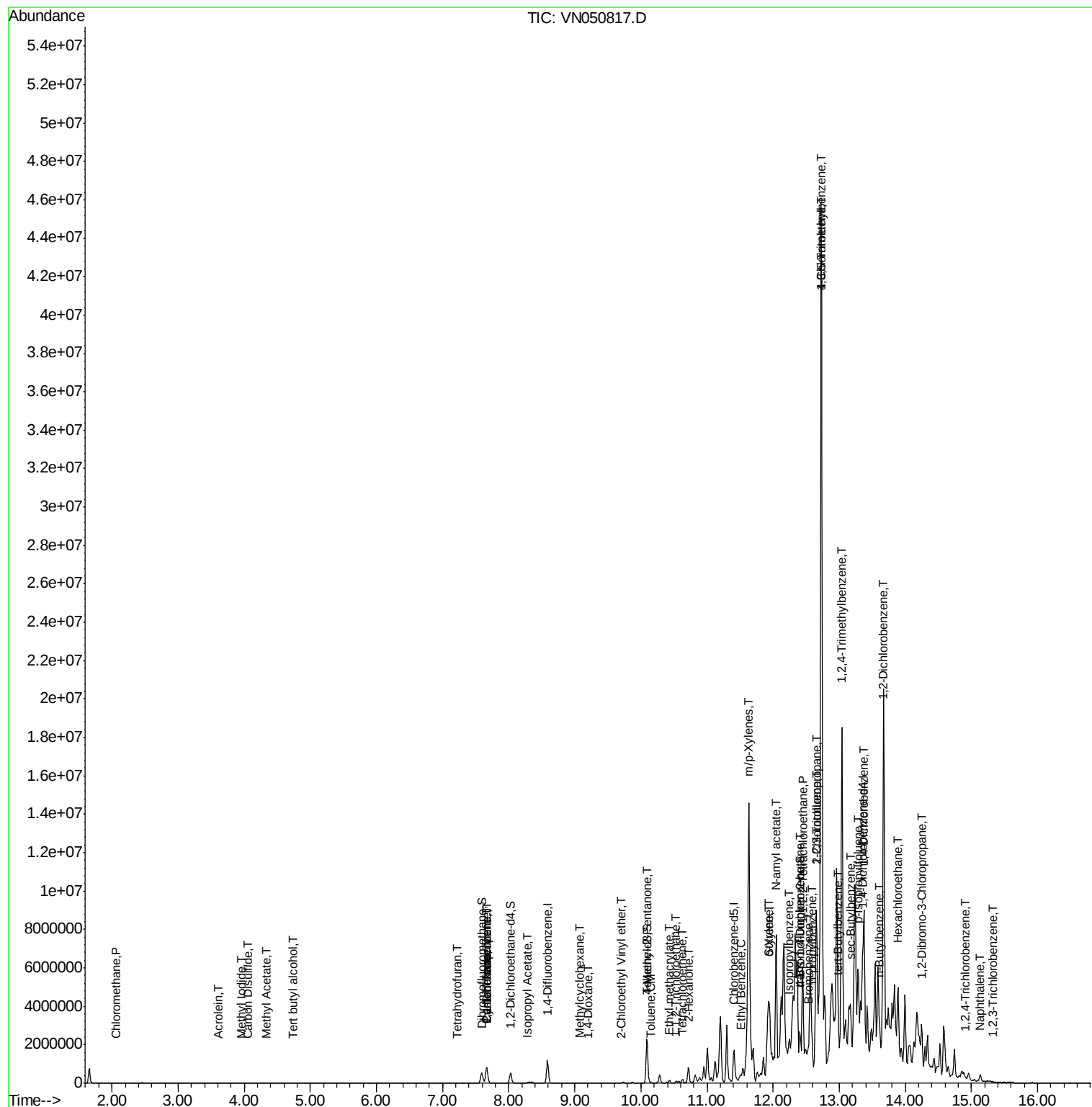
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	234835	103.01	ug/l #	16
82) 4-Chlorotoluene	12.73	91	400597	16.01	ug/l #	50
83) tert-Butylbenzene	12.99	119	108707	4.27	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	9373288	316.97	ug/l	99
85) sec-Butylbenzene	13.17	105	897166	26.89	ug/l #	77
86) p-Isopropyltoluene	13.29	119	571703	20.11	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	4936	0.30	ug/l #	1
89) n-Butylbenzene	13.62	91	725680	31.92	ug/l #	75
90) Hexachloroethane	13.89	117	155473	28.78	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	3759	0.23	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7908	6.04	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	9551	5.12	ug/l #	1
94) Hexachlorobutadiene	15.01	225	4769	Below	Cal	97
95) Naphthalene	15.13	128	309146	21.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	9416	4.41	ug/l #	81

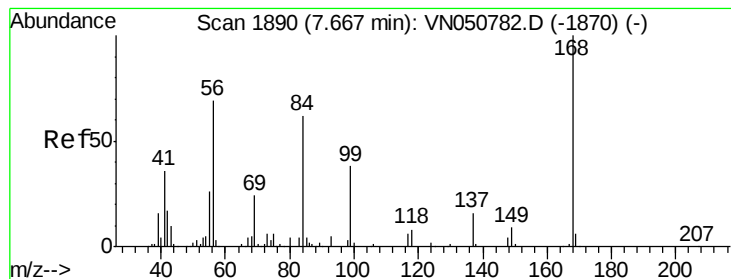
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

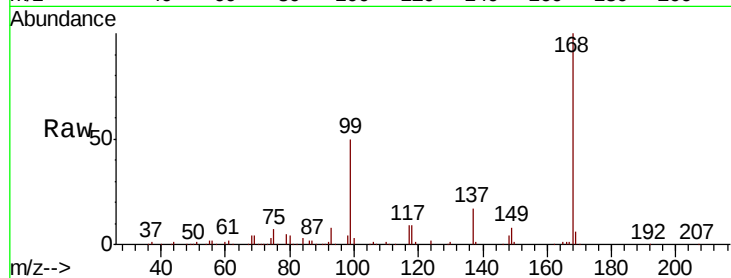
EP1-WC4-UST-0818DL

Tot Ion:168 Resp: 713278

Ion Ratio Lower Upper

168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

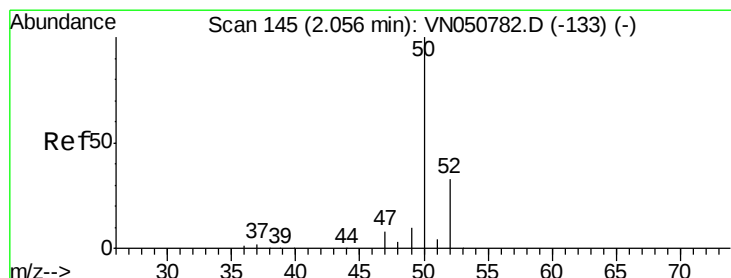
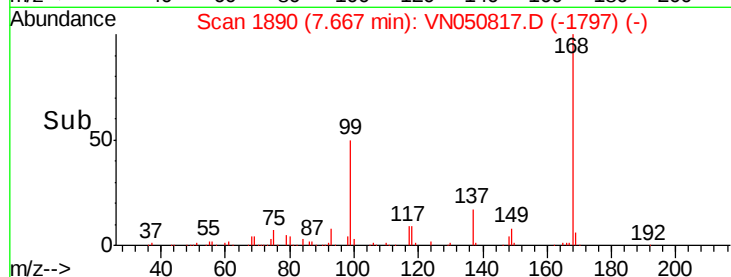
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050817.D

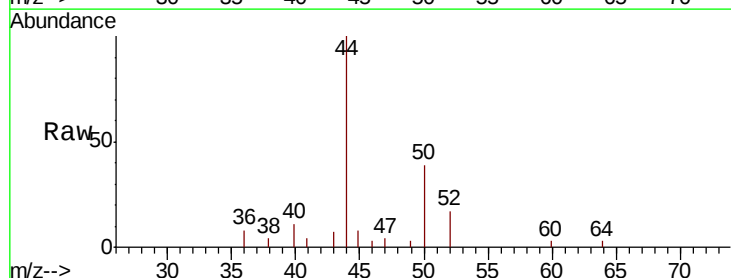
Acq: 22 Aug 2018 14:13

Tgt Ion: 50 Resp: 3114

Ion Ratio Lower Upper

50 100

52 42.5 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2000

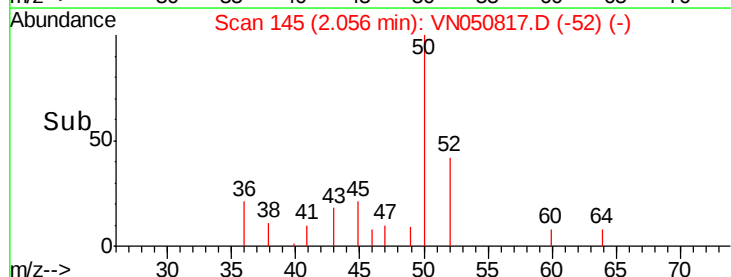
1500

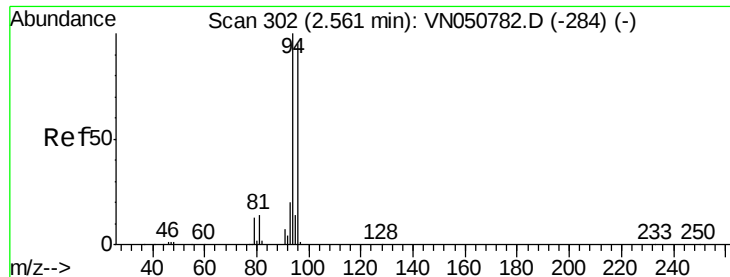
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

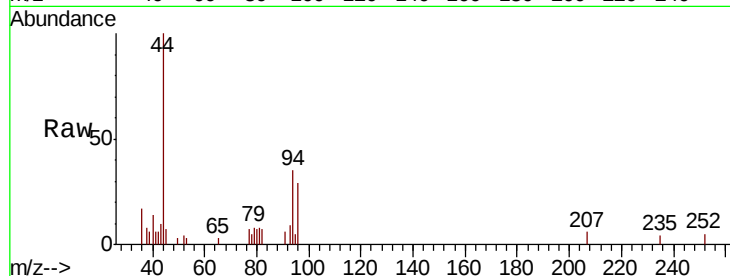
EP1-WC4-UST-0818DL

Tot Ion: 94 Resp: 2754

Ion Ratio Lower Upper

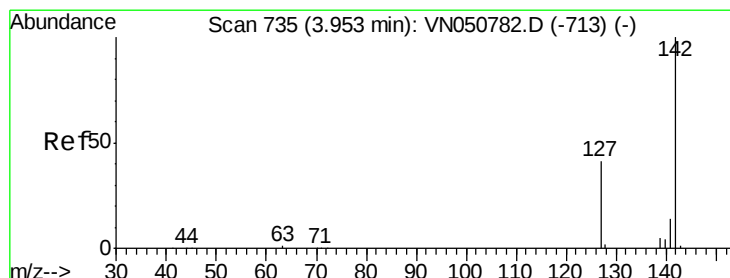
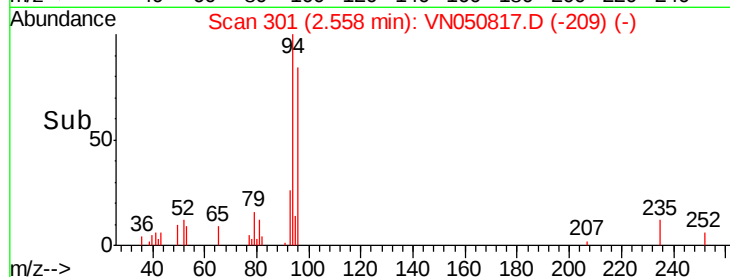
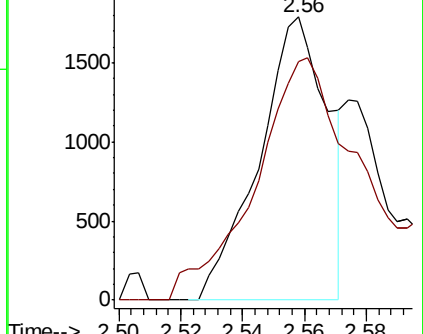
94 100

96 73.2 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050817.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050817.D (-284) (-)



#10

Methyl Iodide

Concen: 6.58 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

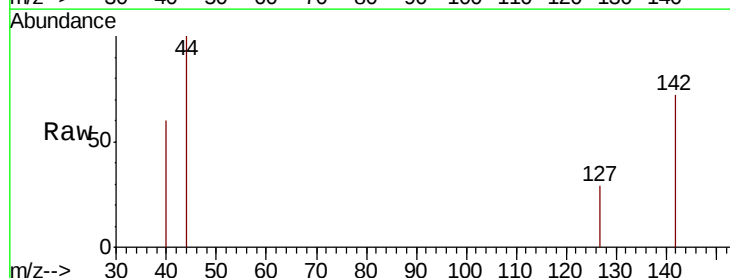
Tgt Ion:142 Resp: 2115

Ion Ratio Lower Upper

142 100

127 29.3 31.7 47.5#

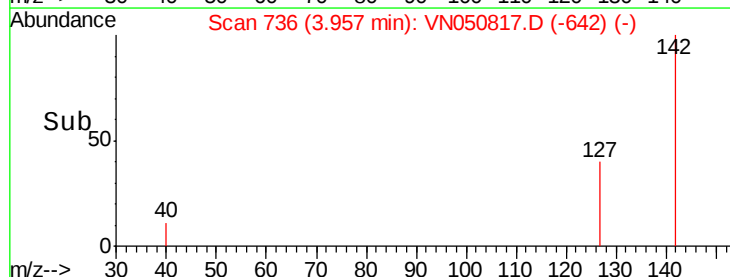
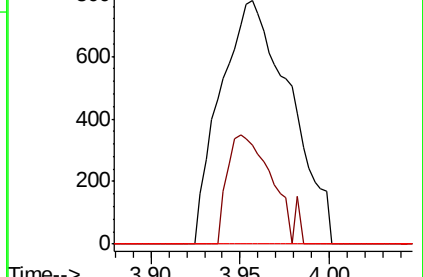
141 0.0 11.4 17.0#

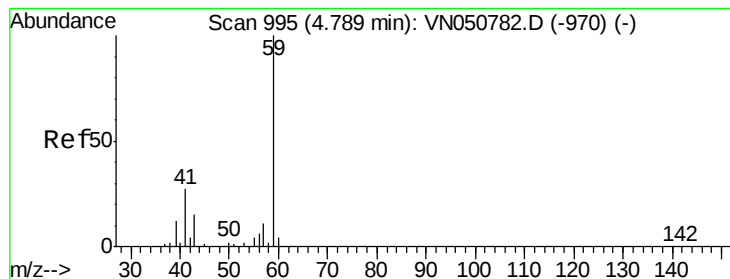


Abundance Ion 141.80 (141.50 to 142.50): VN050817.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050817.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050817.D (-713) (-)



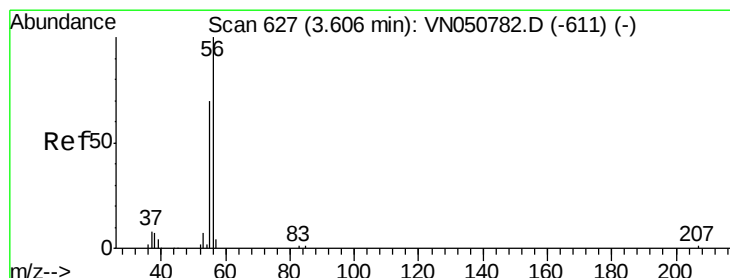
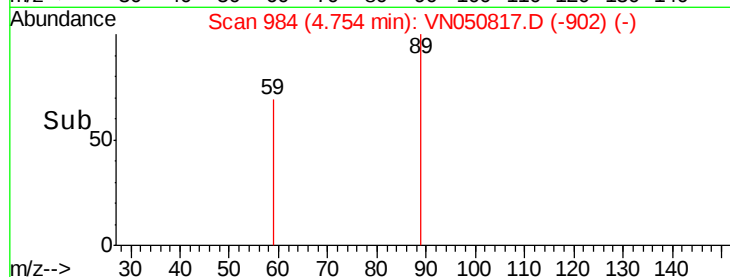
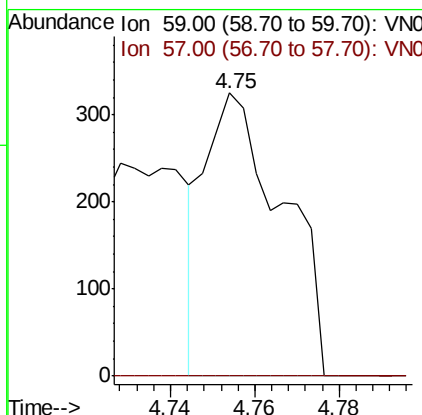
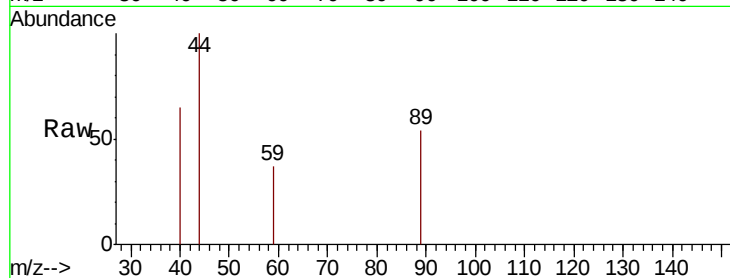


#11

Tert butyl alcohol
 Concen: 0.75 ug/l
 RT: 4.75 min Scan# 984
 Delta R.T. -0.04 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

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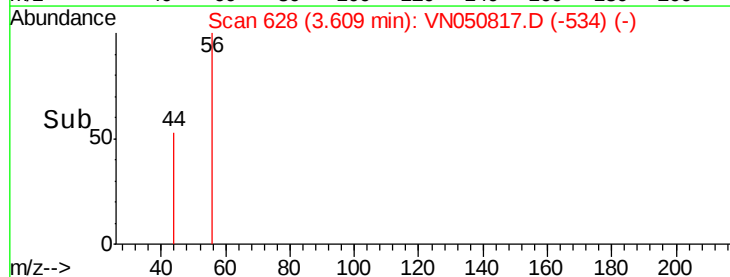
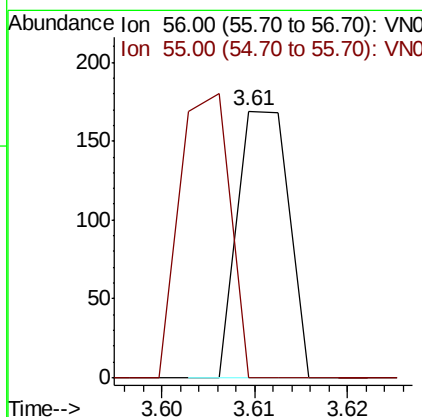
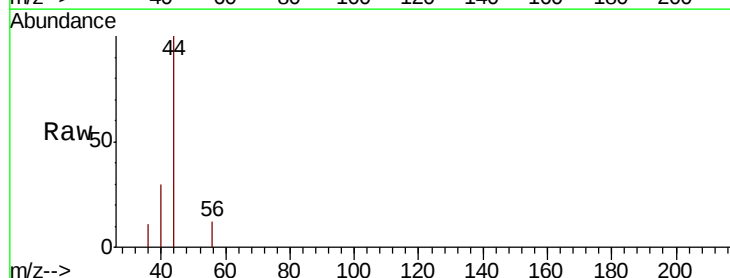
Tot Ion: 59 Resp: 411
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

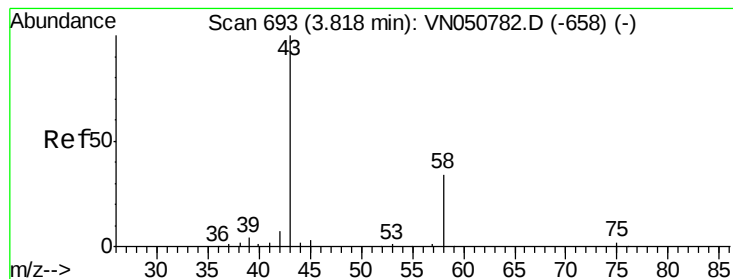


#13

Acrolein
 Concen: 18.10 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion: 56 Resp: 65
 Ion Ratio Lower Upper
 56 100
 55 103.1 57.7 86.5#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

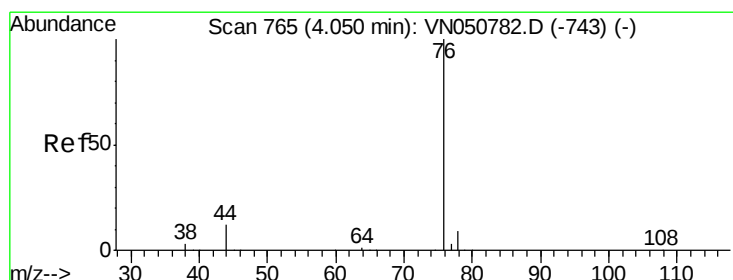
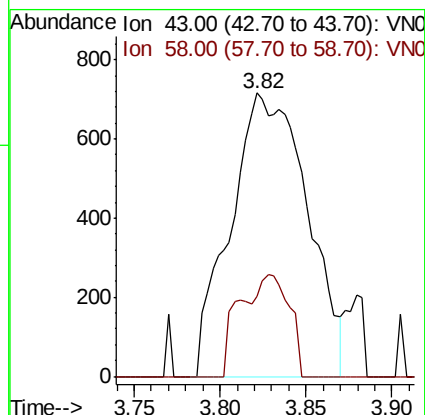
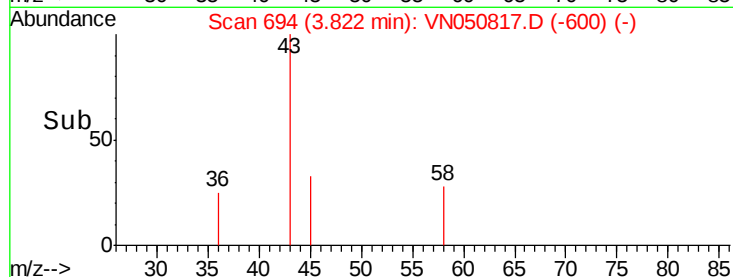
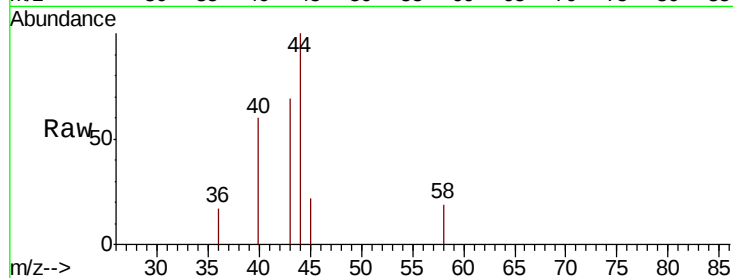
EP1-WC4-UST-0818DL

Tot Ion: 43 Resp: 2222

Ion Ratio Lower Upper

43 100

58 28.2 27.2 40.8



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050817.D

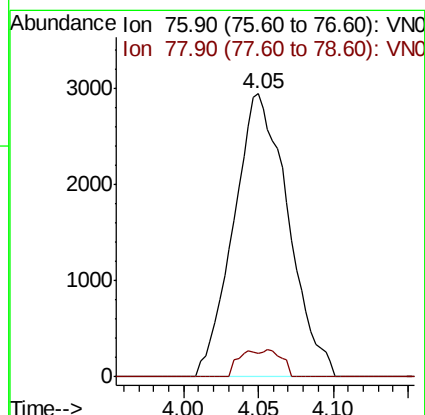
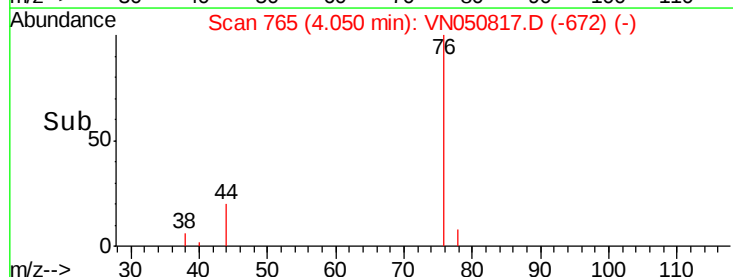
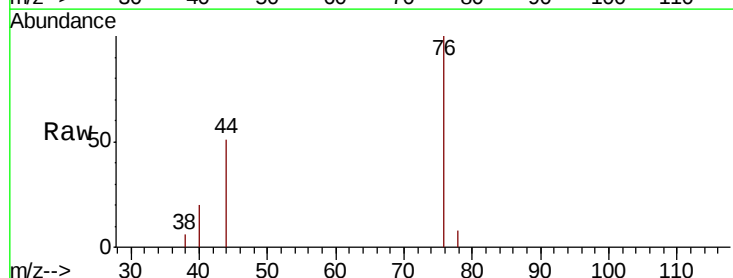
Acq: 22 Aug 2018 14:13

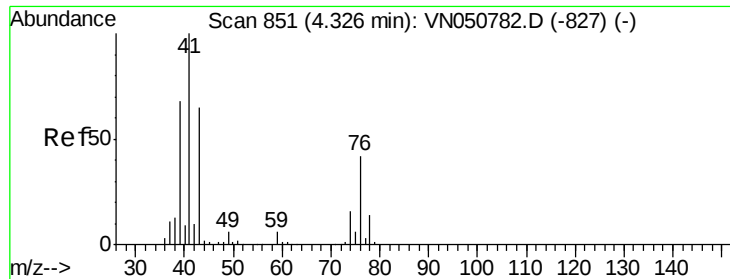
Tgt Ion: 76 Resp: 7455

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9

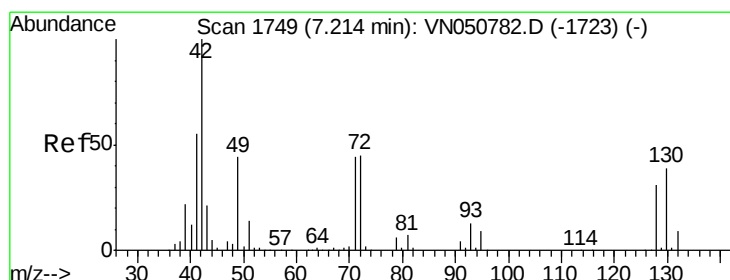
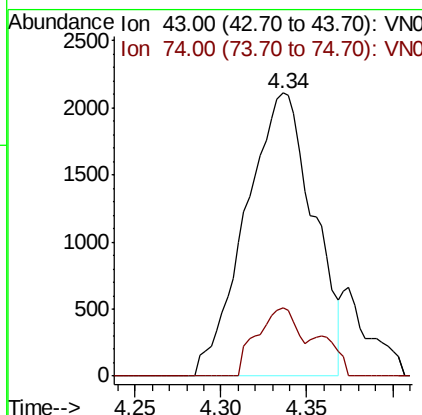
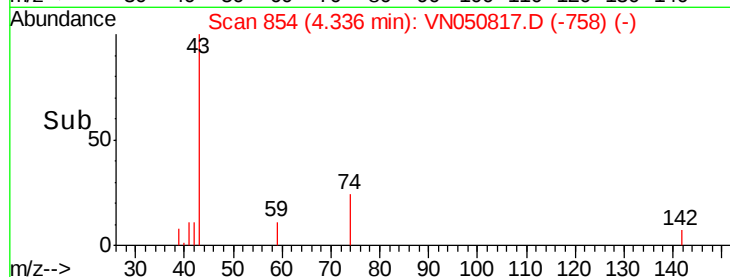
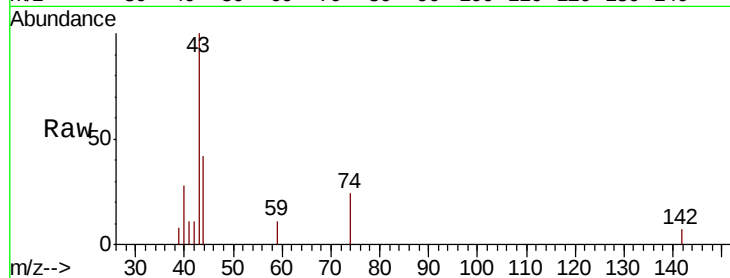




#18
Methvl Acetate
Concen: 0.71 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

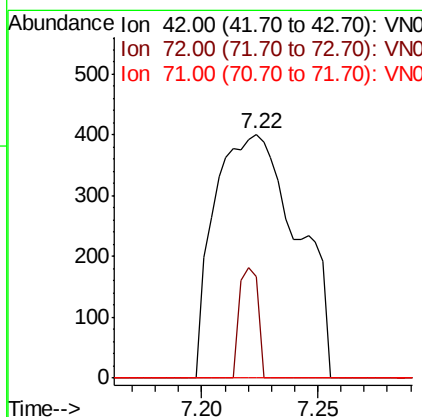
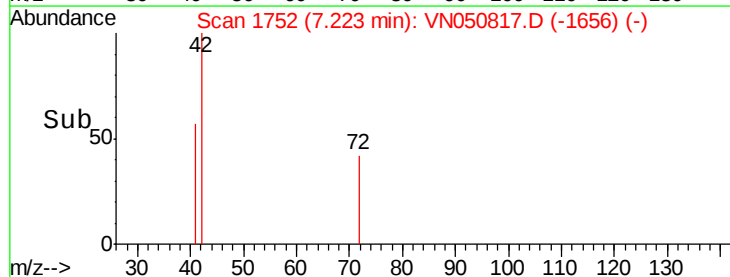
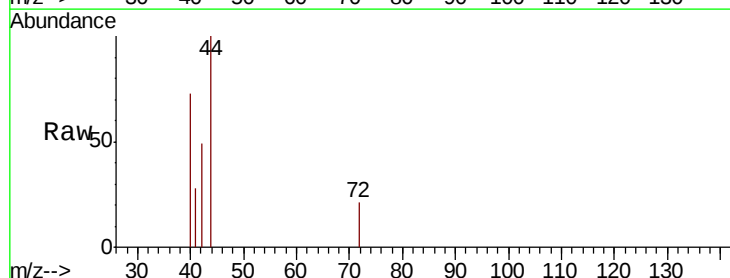
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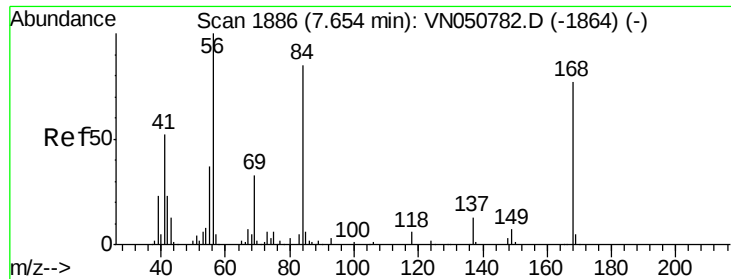
Tot Ion: 43 Resp: 5781
Ion Ratio Lower Upper
43 100
74 14.7 19.8 29.8#



#29
Tetrahydrofuran
Concen: 0.50 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Tgt Ion: 42 Resp: 994
Ion Ratio Lower Upper
42 100
72 10.0 35.5 53.3#
71 0.0 33.7 50.5#

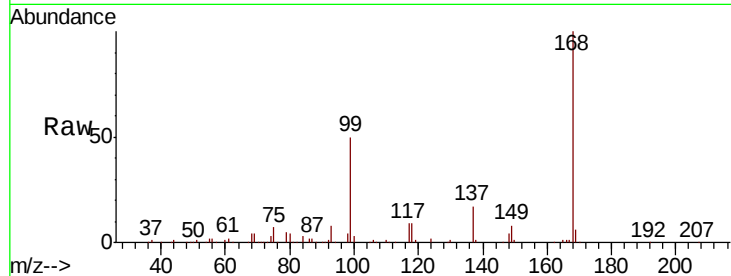




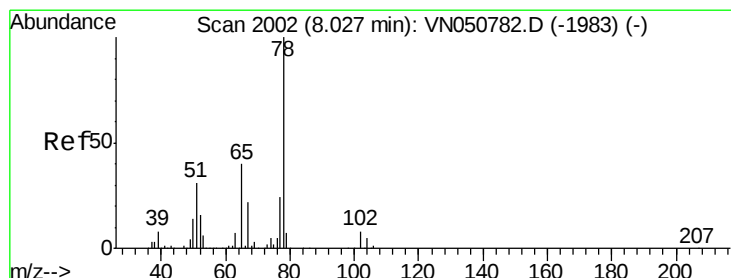
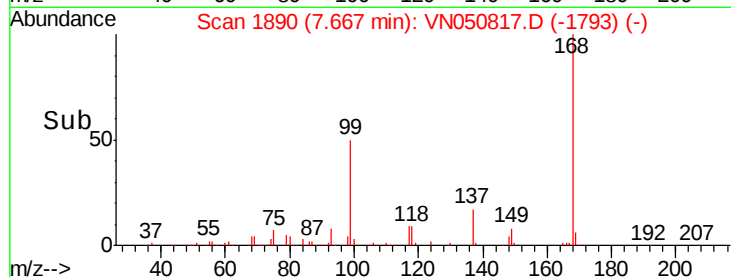
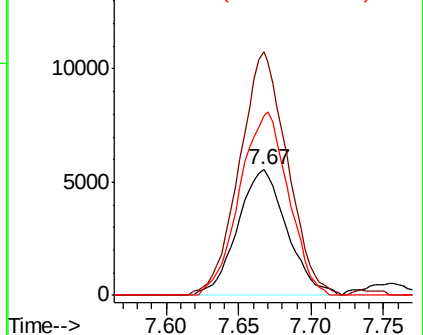
#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Instrument :
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ClientSampleId :
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Tot Ion: 56 Resp: 13130
Ion Ratio Lower Upper
56 100
69 194.4 26.2 39.4#
84 143.8 68.3 102.5#

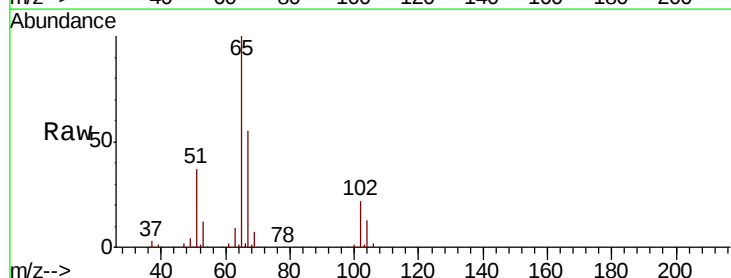


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

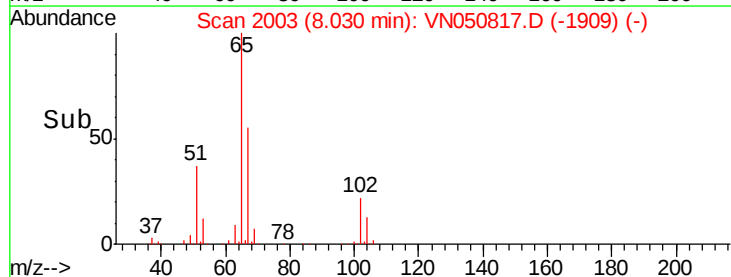
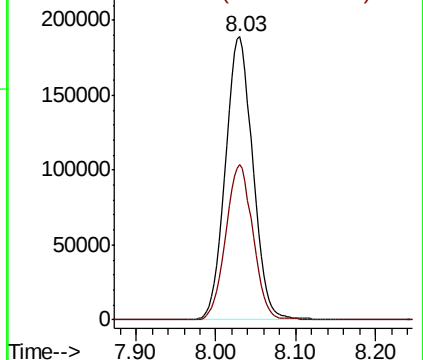


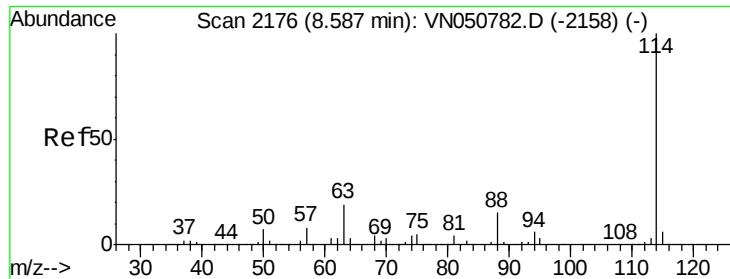
#33
1,2-Dichloroethane-d4
Concen: 51.42 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Tgt Ion: 65 Resp: 441501
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.4



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

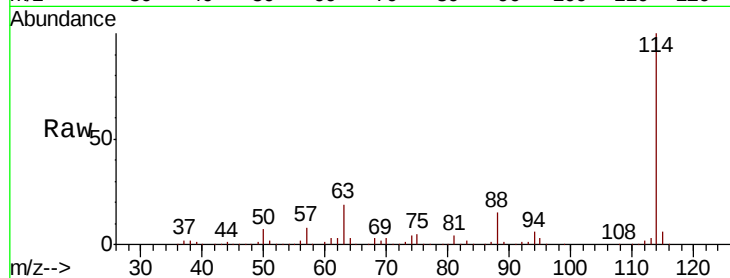




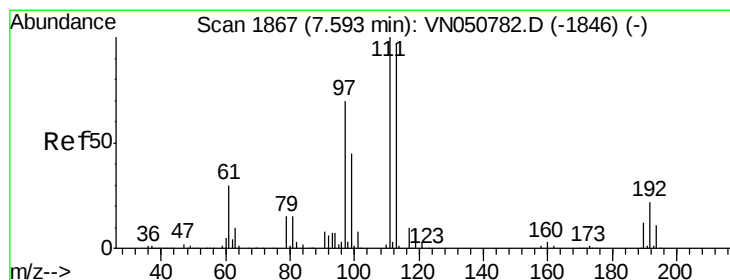
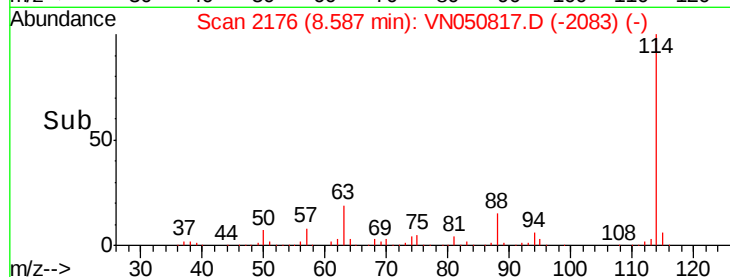
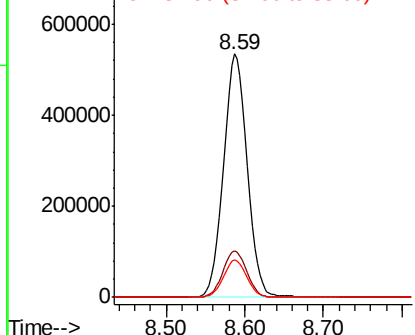
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

Tot Ion:114 Resp: 1107567
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.2 0.0 30.6

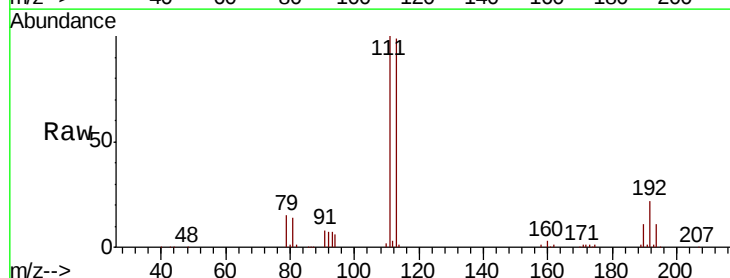


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

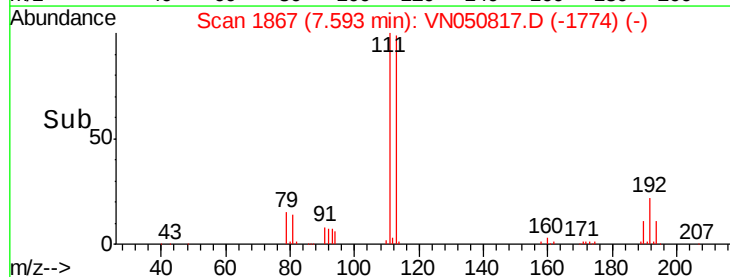
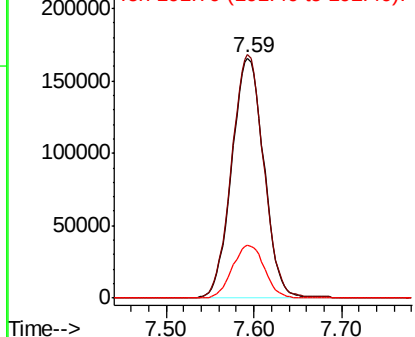


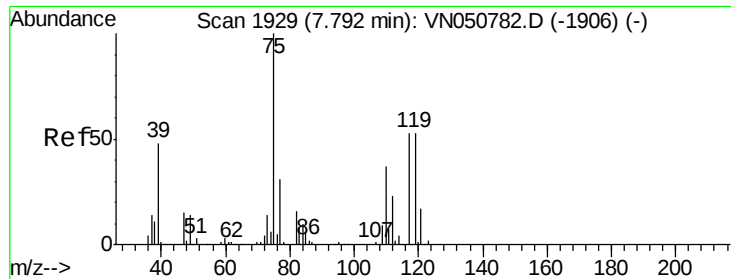
#35
 Dibromofluoromethane
 Concen: 48.00 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion:113 Resp: 422969
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.6 123.8
 192 22.1 18.0 27.0



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

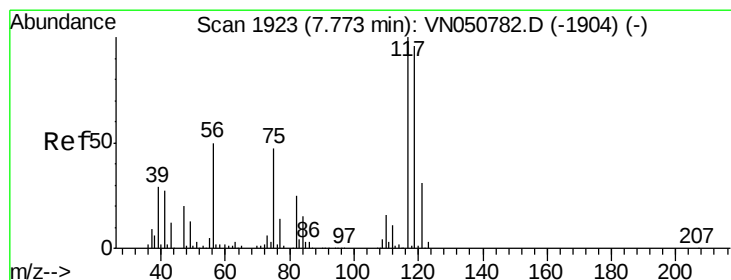
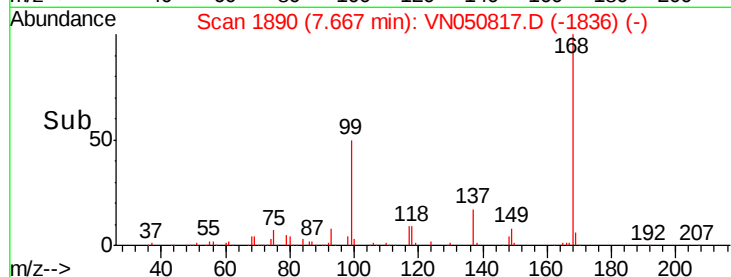
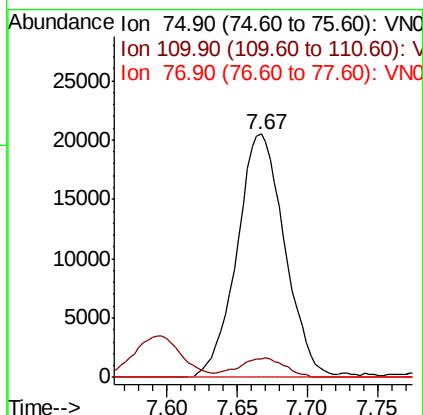
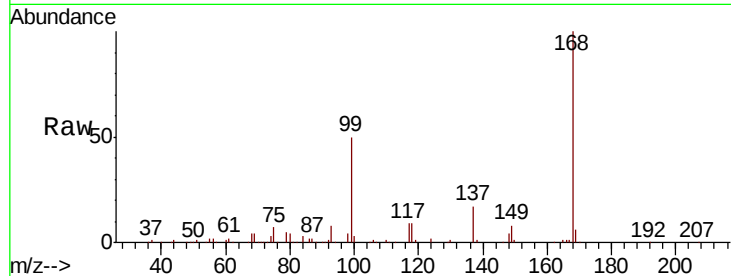




#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

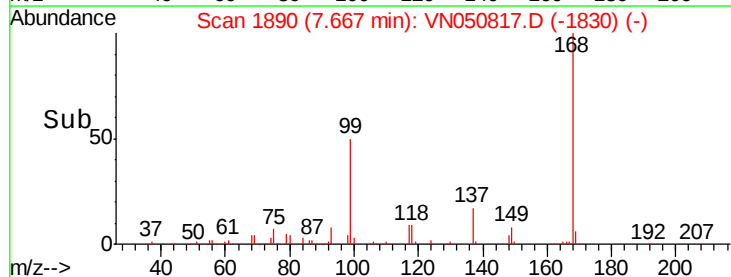
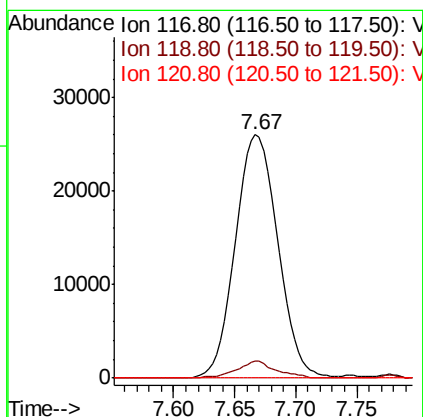
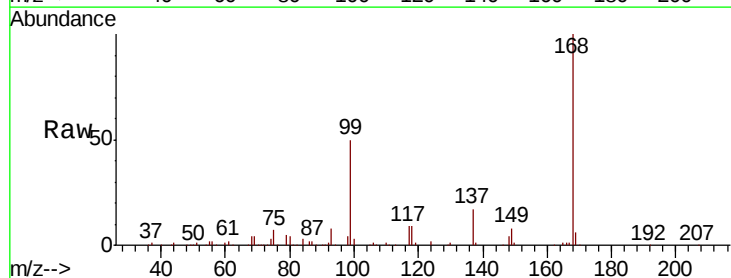
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

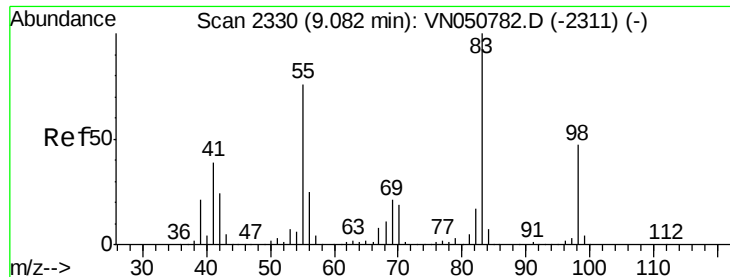
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.3	114.5#
121	0.0	24.6	36.8#

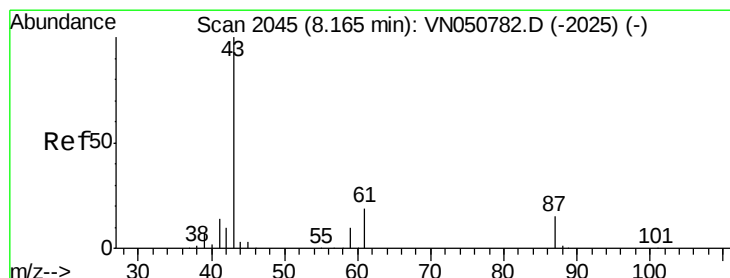
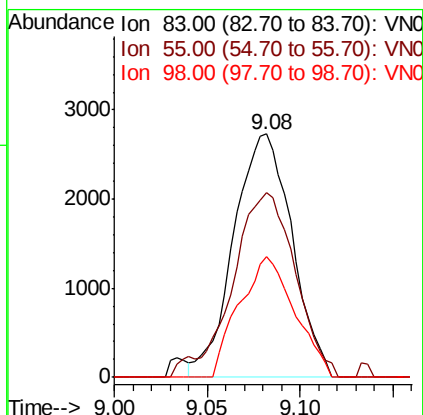
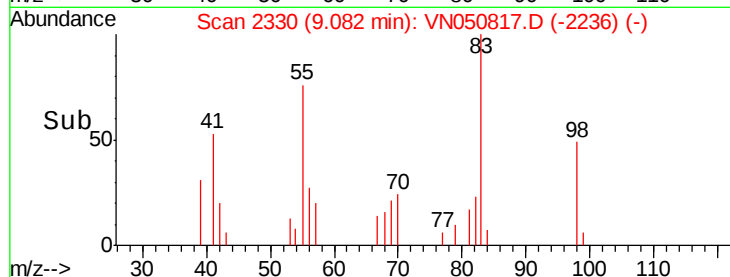
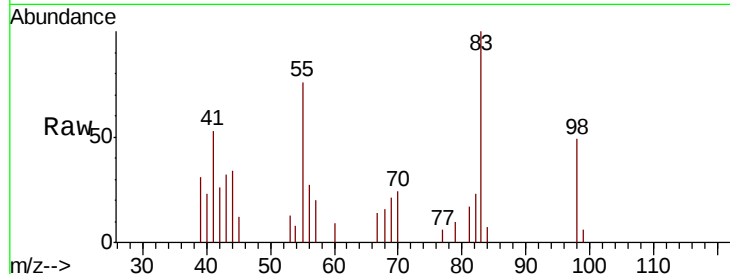




#39
Methylcyclohexane
Concen: 0.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

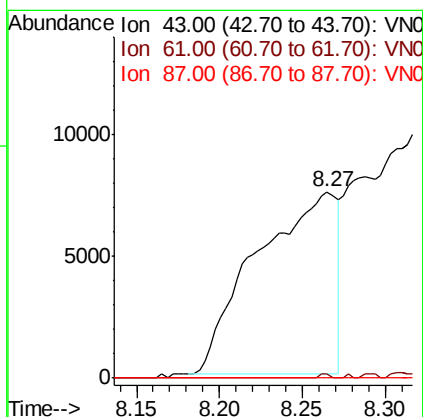
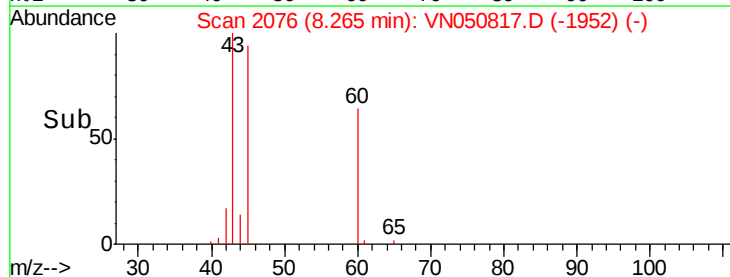
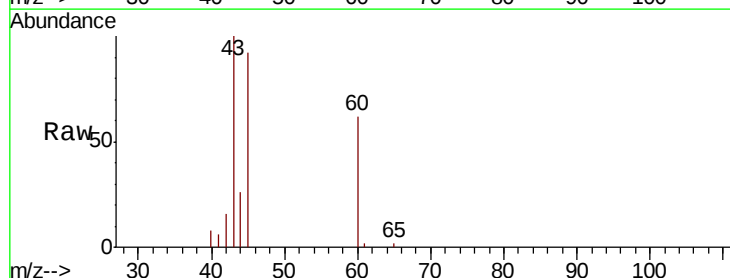
Instrument :
MSVOA_N
ClientSampleId :
EP1-WC4-UST-0818DL

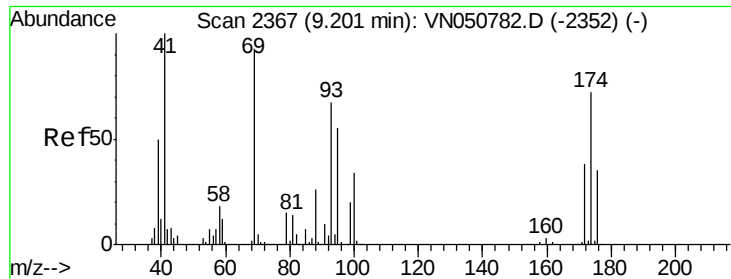
Tot Ion: 83 Resp: 5940
Ion Ratio Lower Upper
83 100
55 76.0 61.0 91.4
98 49.5 37.5 56.3



#43
Isopropyl Acetate
Concen: 1.96 ug/l
RT: 8.27 min Scan# 2076
Delta R.T. 0.10 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Tgt Ion: 43 Resp: 25361
Ion Ratio Lower Upper
43 100
61 0.0 17.5 26.3#
87 0.0 11.3 16.9#

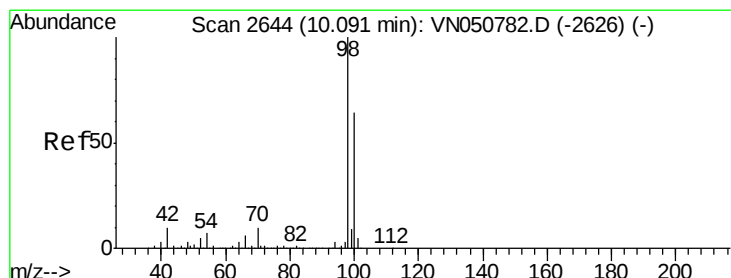
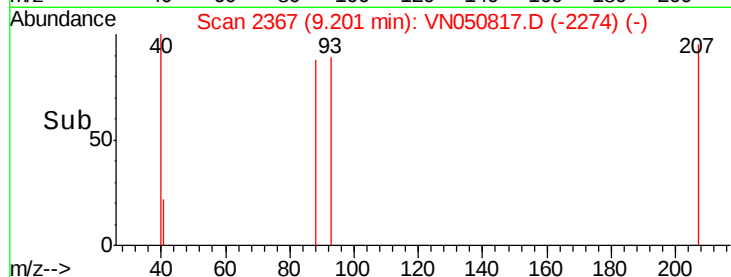
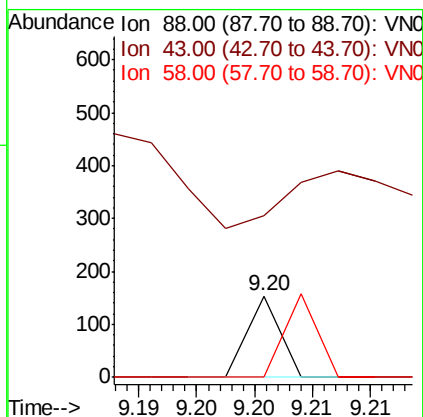
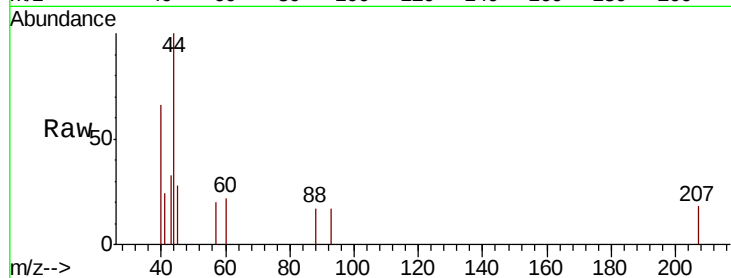




#49
1,4-Dioxane
Concen: 0.33 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

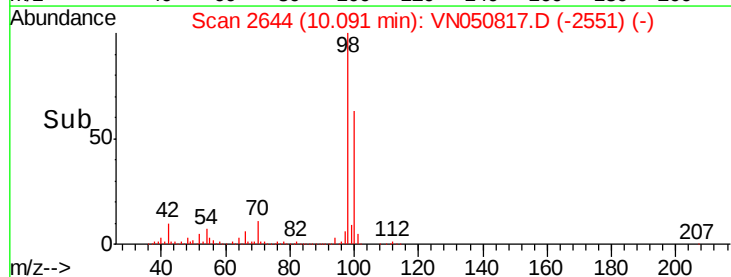
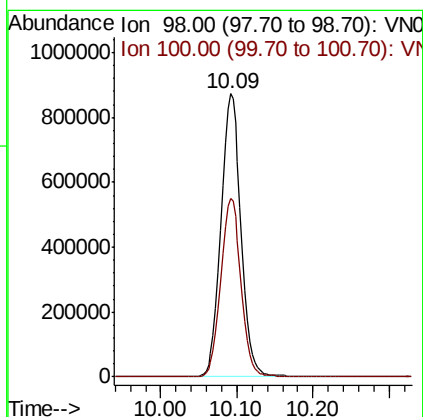
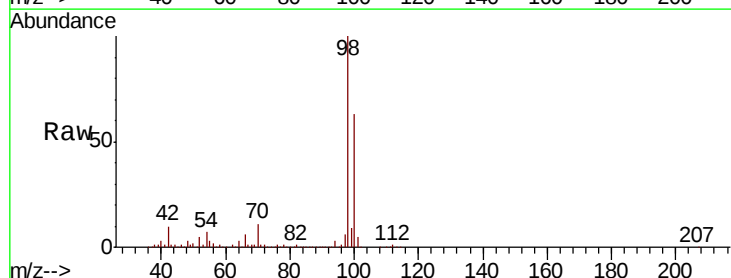
Instrument :
MSVOA_N
ClientSampleId :
EP1-WC4-UST-0818DL

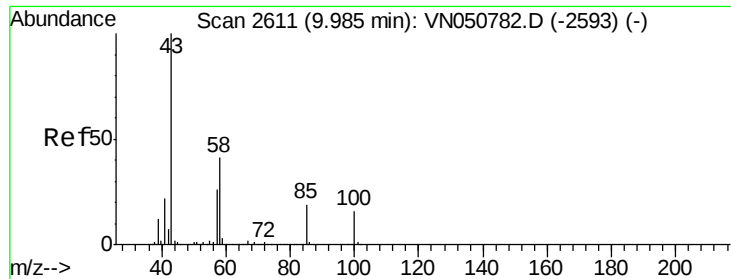
Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 246.7 25.9 38.9#
58 103.3 55.0 82.4#



#50
Toluene-d8
Concen: 48.64 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Tgt Ion: 98 Resp: 1602229
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 1.44 ug/l

RT: 10.09 min Scan# 2643

Delta R.T. 0.10 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

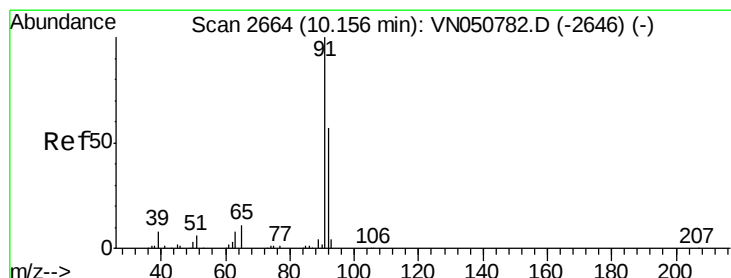
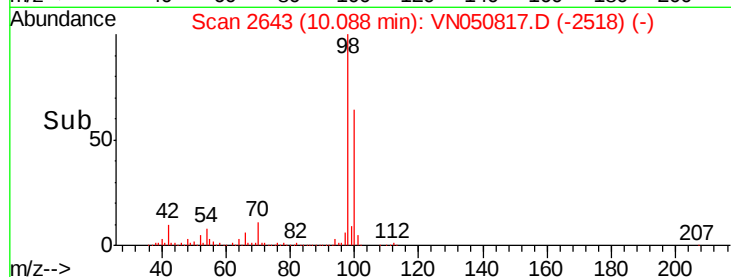
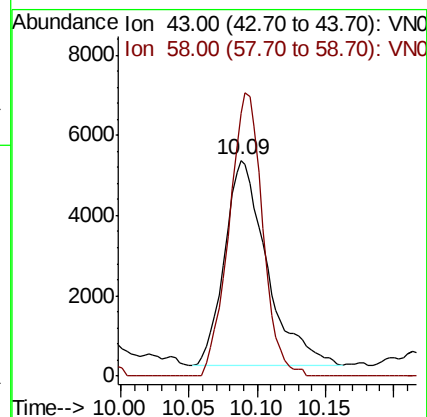
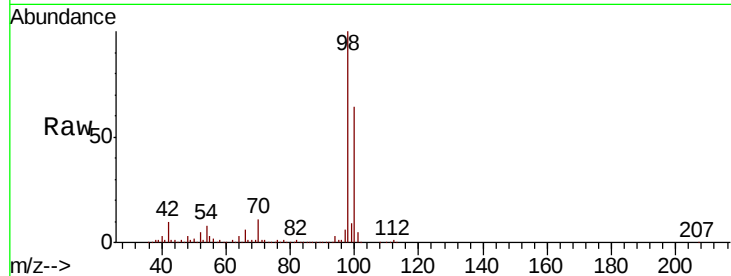
EP1-WC4-UST-0818DL

Tot Ion: 43 Resp: 11083

Ion Ratio Lower Upper

43 100

58 108.8 32.4 48.6#



#52

Toluene

Concen: 0.28 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050817.D

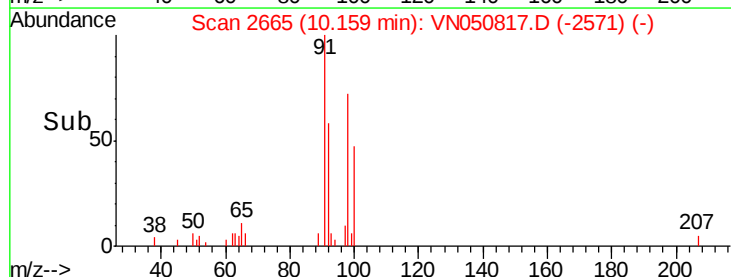
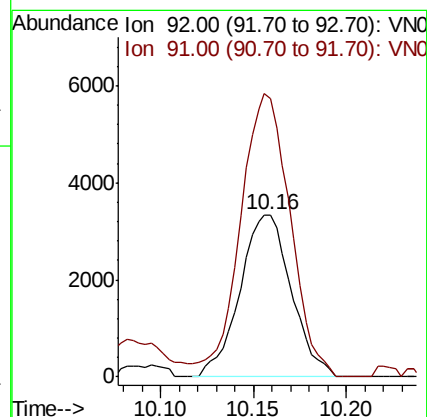
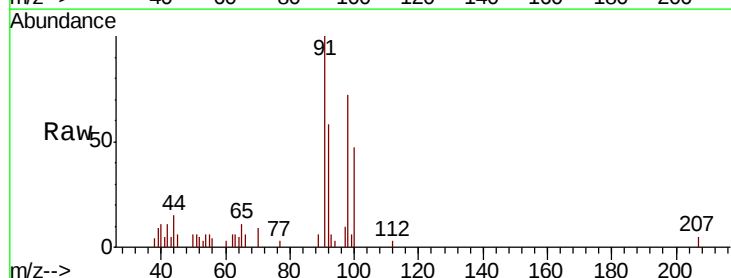
Acq: 22 Aug 2018 14:13

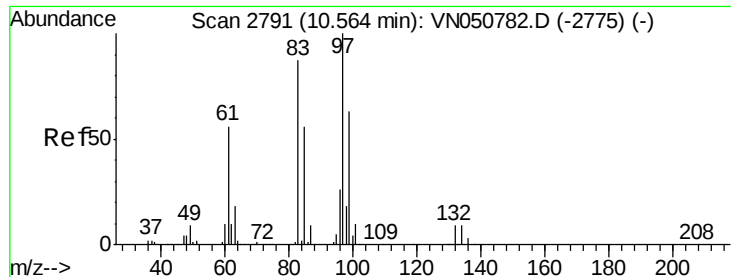
Tgt Ion: 92 Resp: 6438

Ion Ratio Lower Upper

92 100

91 169.6 140.6 211.0





#55

1,1,2-Trichloroethane

Concen: 4.46 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

Tot Ion: 97 Resp: 38657

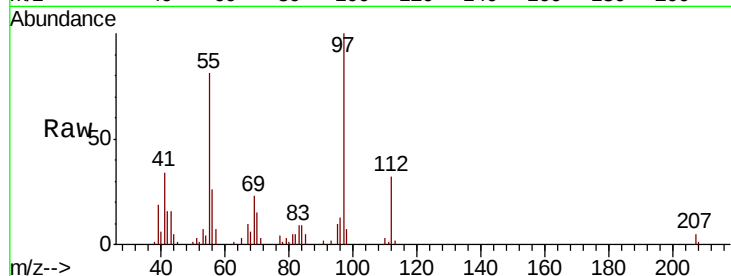
Ion Ratio Lower Upper

97 100

83 9.4 69.7 104.5#

85 4.9 44.5 66.7#

99 0.0 50.7 76.1#

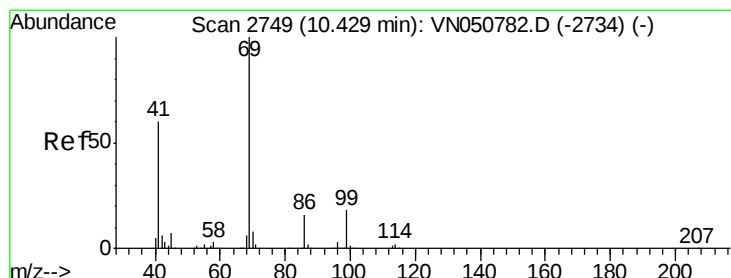
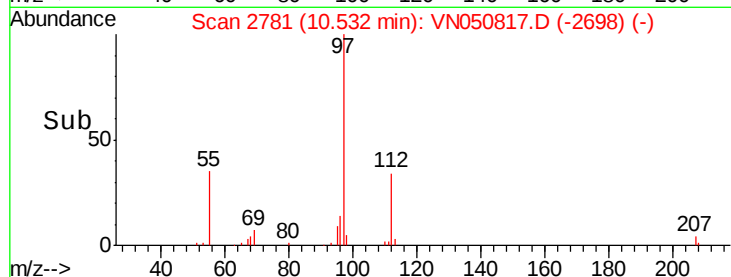
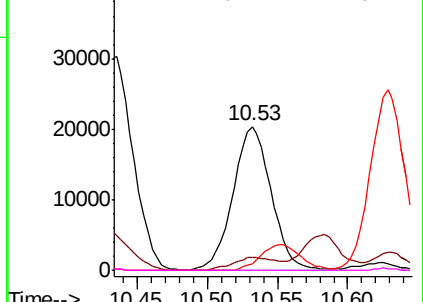


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 3.74 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

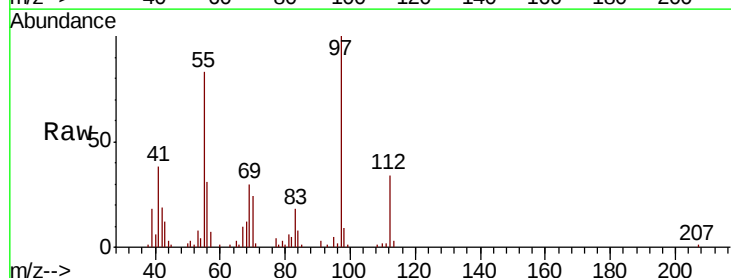
Tgt Ion: 69 Resp: 16459

Ion Ratio Lower Upper

69 100

41 130.5 48.3 72.5#

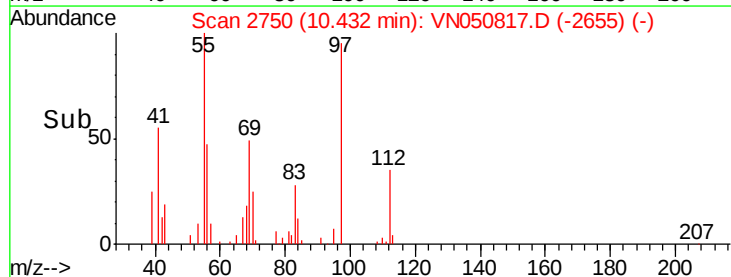
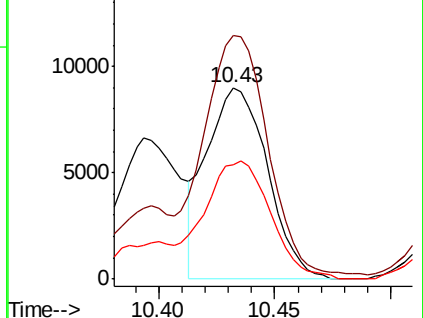
39 67.7 24.0 36.0#

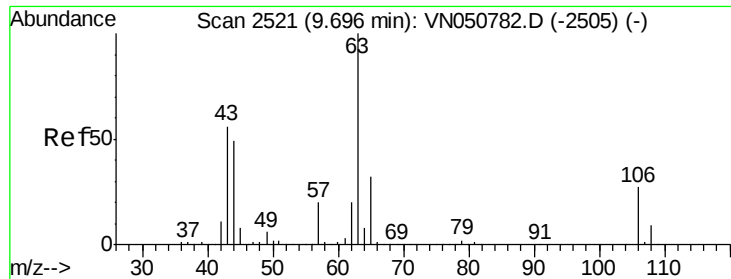


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#58

2-Chloroethyl Vinyl ether

Concen: 12.25 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

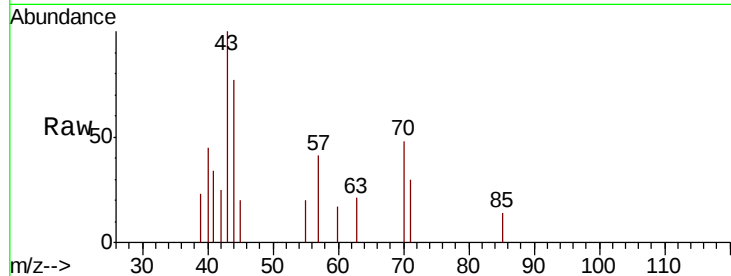
EP1-WC4-UST-0818DL

Tot Ion: 63 Resp: 153

Ion Ratio Lower Upper

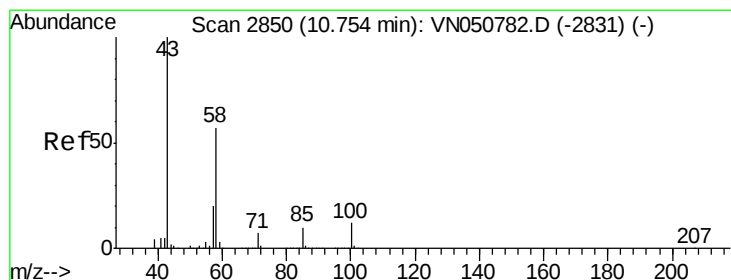
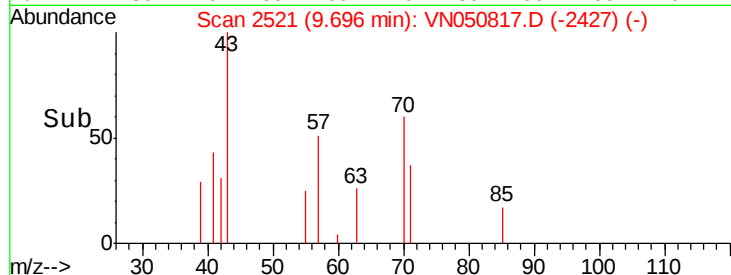
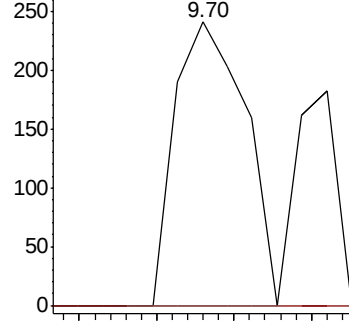
63 100

106 0.0 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 61.44 ug/l

RT: 10.72 min Scan# 2839

Delta R.T. -0.04 min

Lab File: VN050817.D

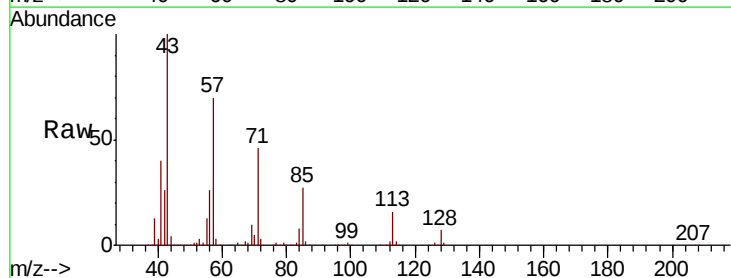
Acq: 22 Aug 2018 14:13

Tgt Ion: 43 Resp: 315088

Ion Ratio Lower Upper

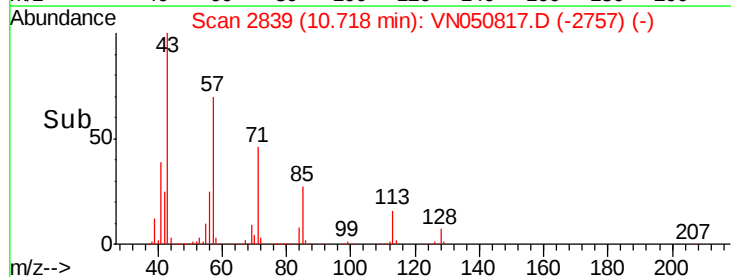
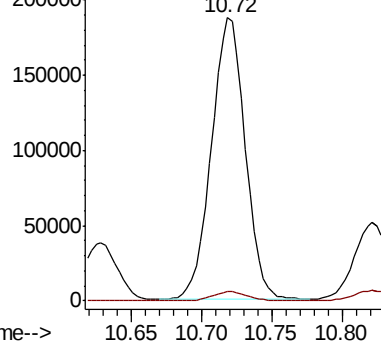
43 100

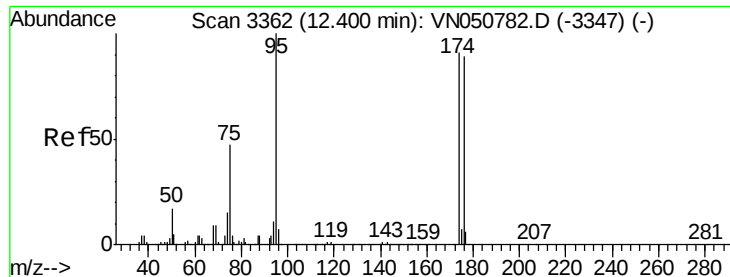
58 3.6 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.48 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

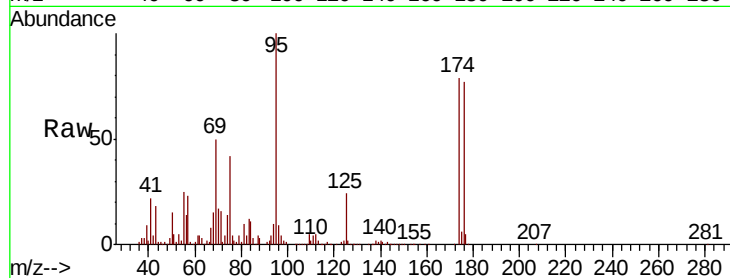
Tot Ion: 95 Resp: 563552

Ion Ratio Lower Upper

95 100

174 80.5 0.0 183.0

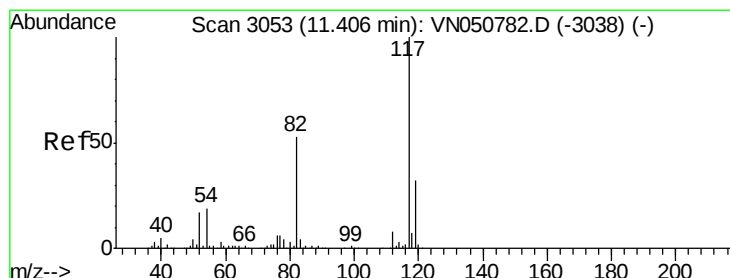
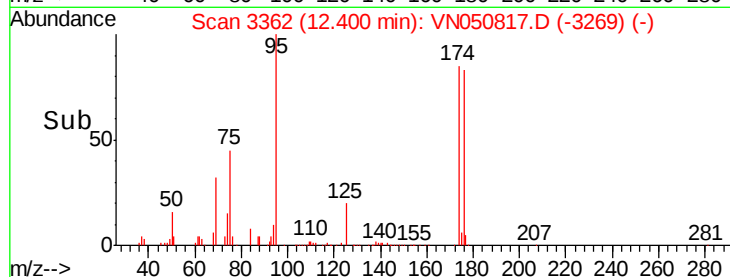
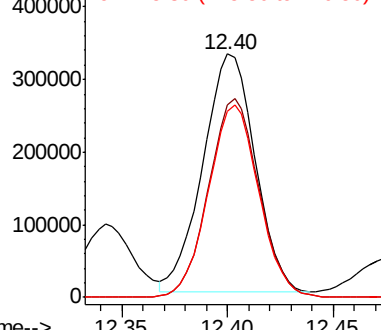
176 78.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050817.D (-3269) (-)

Ion 173.80 (173.50 to 174.50): VN050817.D (-3269) (-)

Ion 175.80 (175.50 to 176.50): VN050817.D (-3269) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

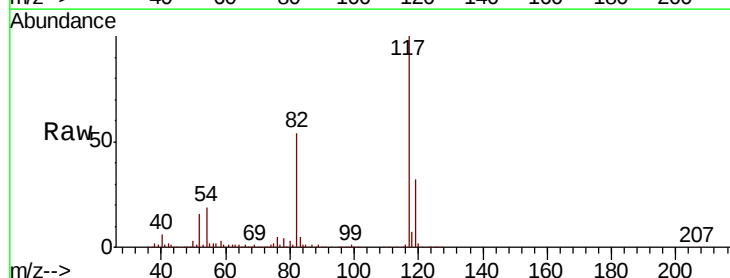
Tgt Ion: 117 Resp: 1031612

Ion Ratio Lower Upper

117 100

82 52.1 42.6 64.0

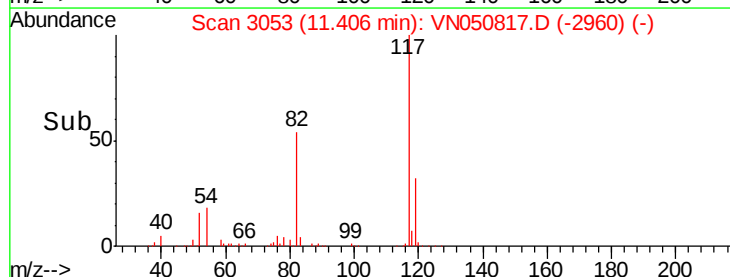
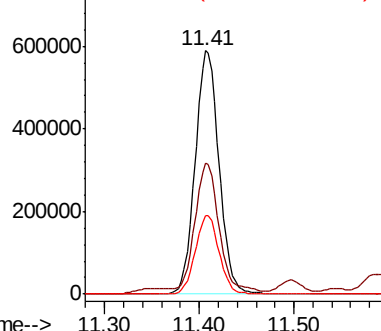
119 32.2 25.8 38.6

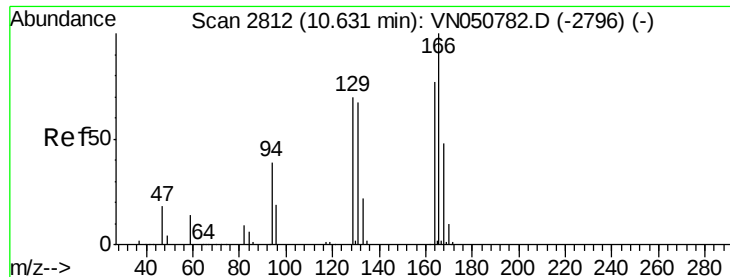


Abundance Ion 116.90 (116.60 to 117.60): VN050817.D (-2960) (-)

Ion 82.00 (81.70 to 82.70): VN050817.D (-2960) (-)

Ion 118.90 (118.60 to 119.60): VN050817.D (-2960) (-)





#64

Tetrachloroethene

Concen: 0.31 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

Tot Ion:164 Resp: 3059

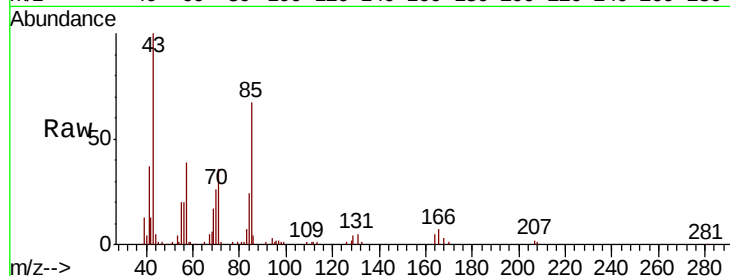
Ion Ratio Lower Upper

164 100

166 138.0 103.5 155.3

129 87.7 72.7 109.1

131 95.7 69.5 104.3

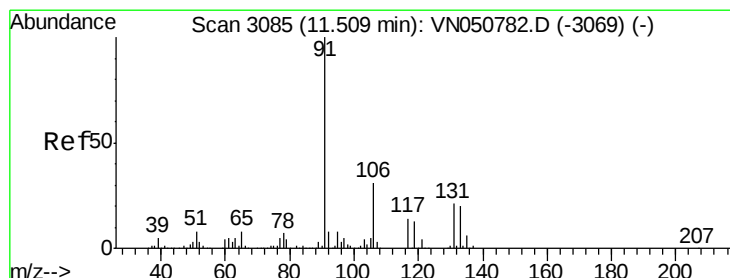
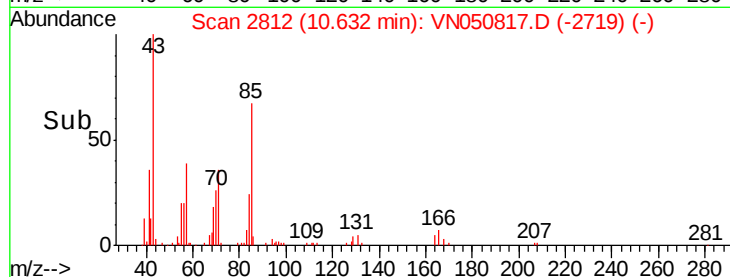
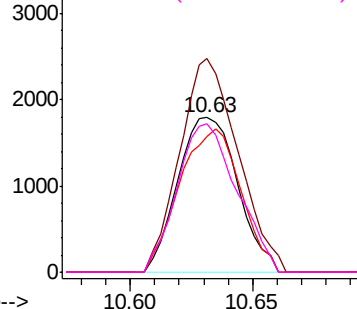


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 4.49 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050817.D

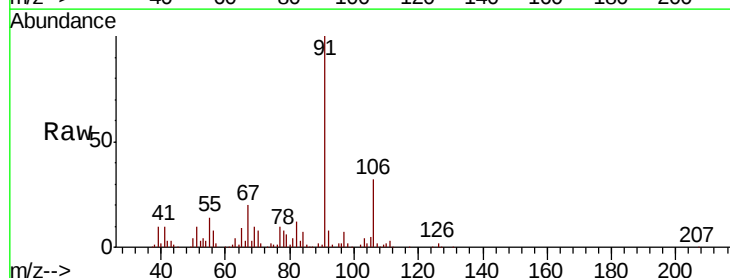
Acq: 22 Aug 2018 14:13

Tgt Ion: 91 Resp: 196906

Ion Ratio Lower Upper

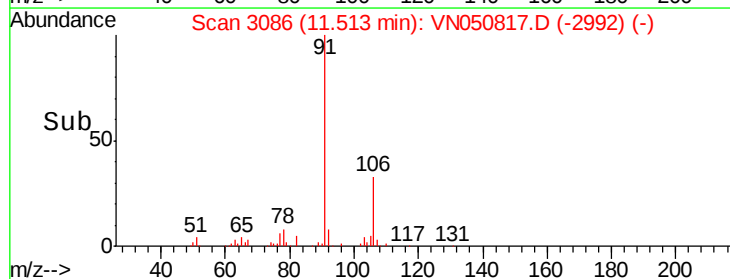
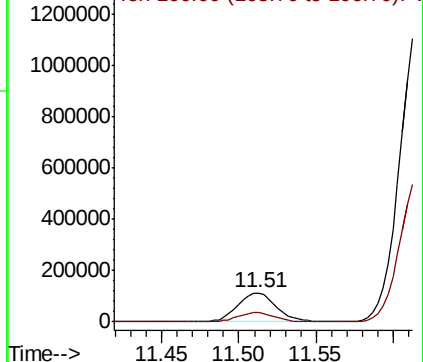
91 100

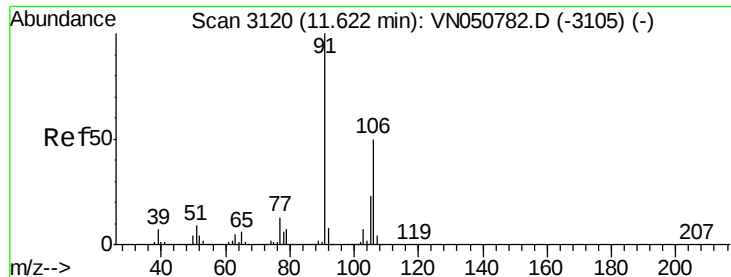
106 32.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

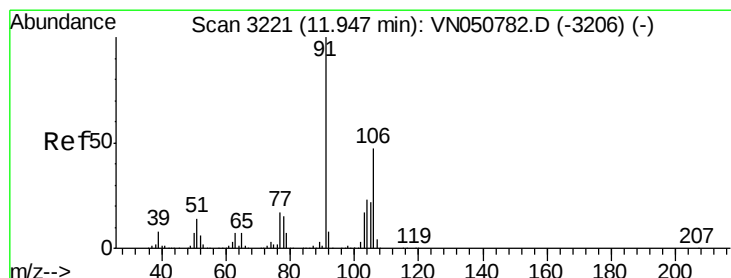
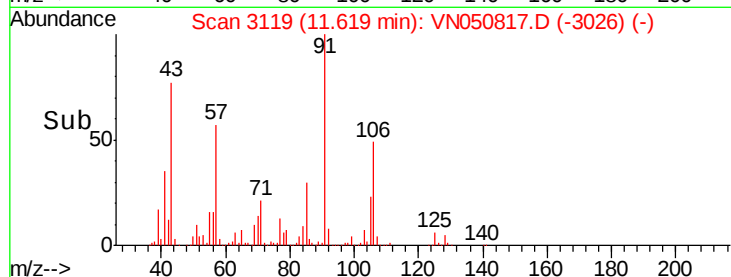
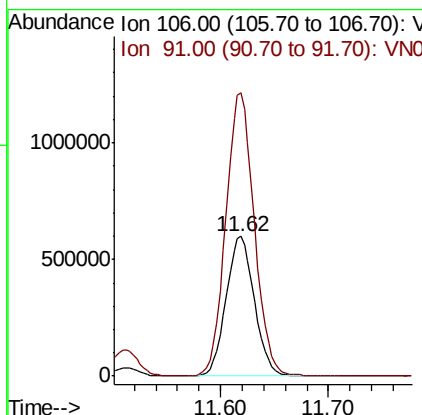
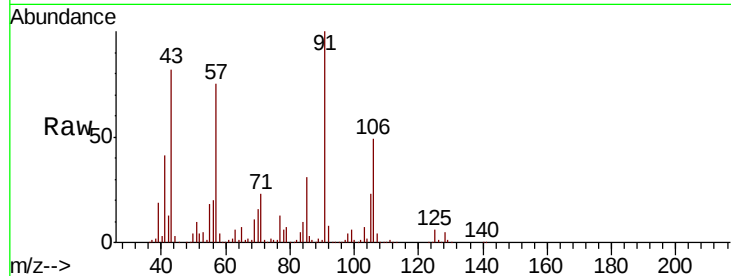




#68
m/p-Xylenes
Concen: 65.52 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

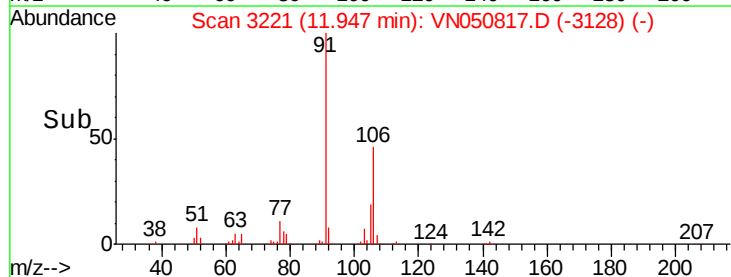
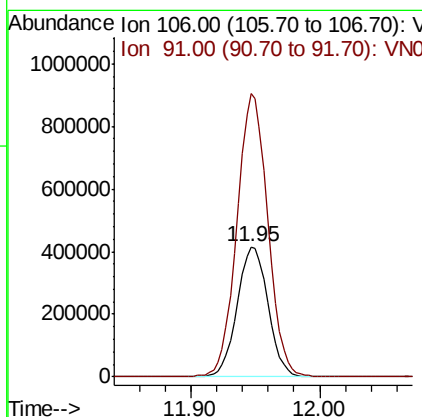
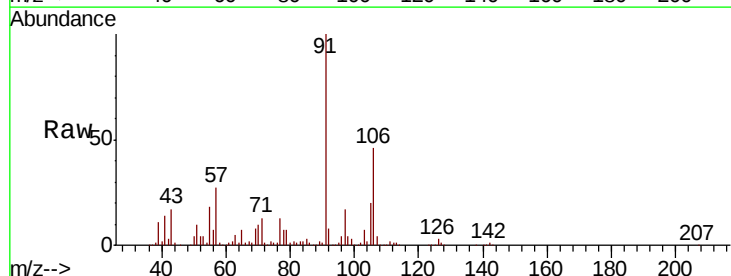
Instrument :
MSVOA_N
ClientSampleId :
EP1-WC4-UST-0818DL

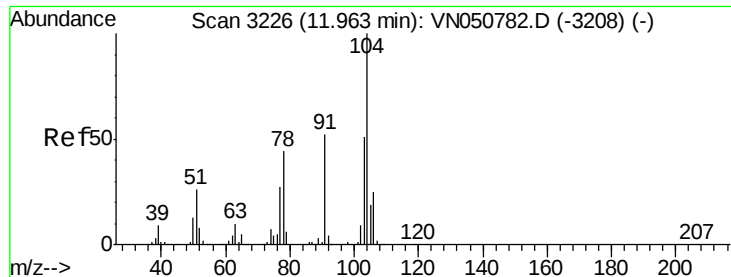
Tot Ion:106 Resp: 1090192
Ion Ratio Lower Upper
106 100
91 204.0 161.0 241.6



#69
o-Xylene
Concen: 43.04 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050817.D
Acq: 22 Aug 2018 14:13

Tgt Ion:106 Resp: 688572
Ion Ratio Lower Upper
106 100
91 218.8 106.5 319.5





#70

Stvrene

Concen: 2.54 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.01 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

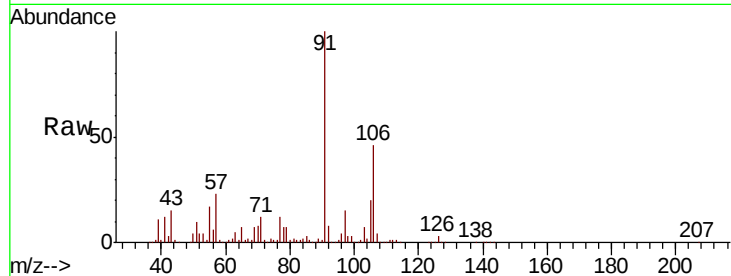
Tot Ion:104 Resp: 36681

Ion Ratio Lower Upper

104 100

78 286.2 38.2 57.4#

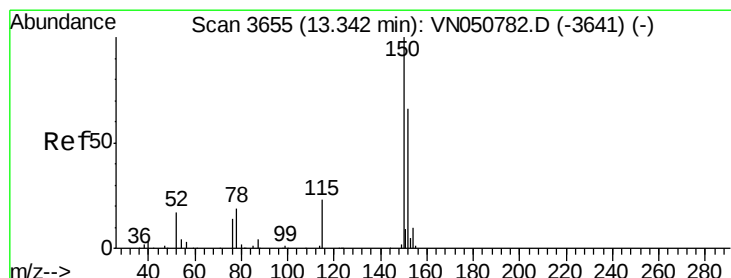
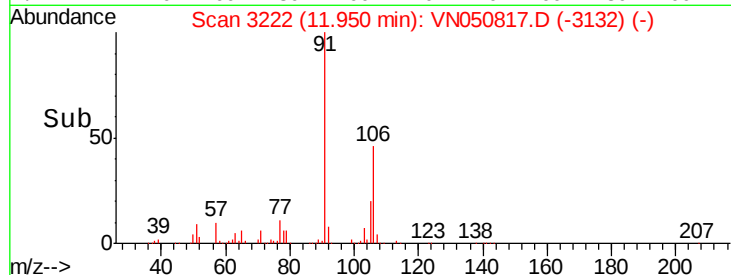
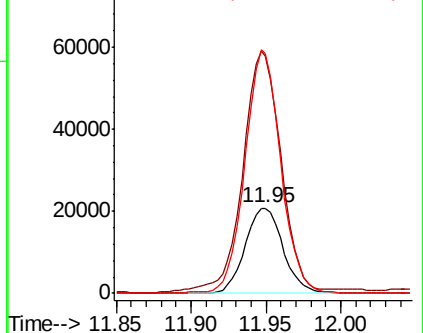
103 269.2 44.4 66.6#



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: VN050817.D

Acq: 22 Aug 2018 14:13

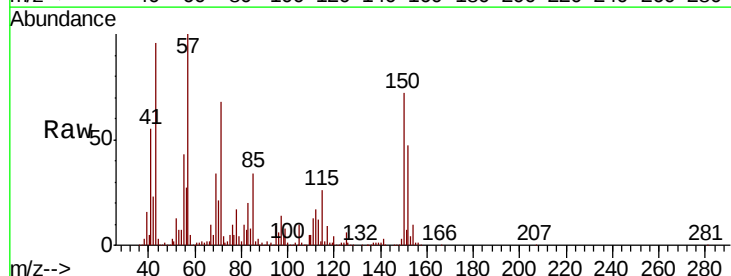
Tgt Ion:152 Resp: 440000

Ion Ratio Lower Upper

152 100

115 51.8 27.8 83.4

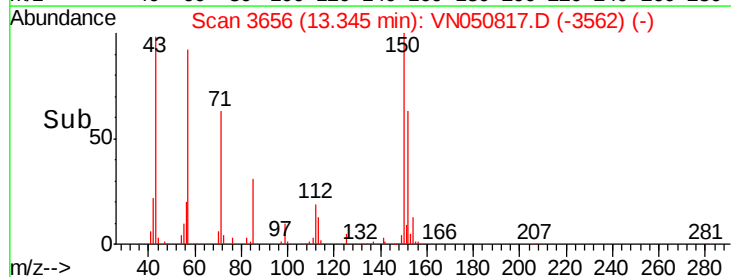
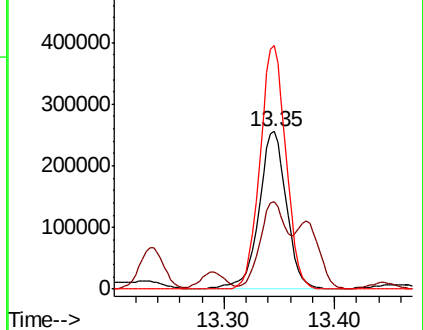
150 146.1 0.0 351.4

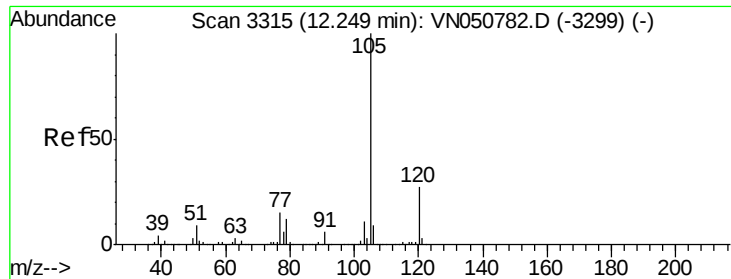


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.87 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

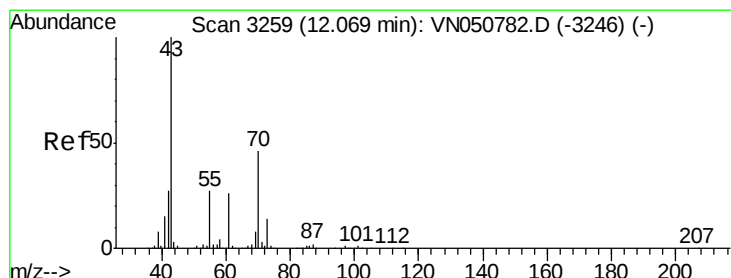
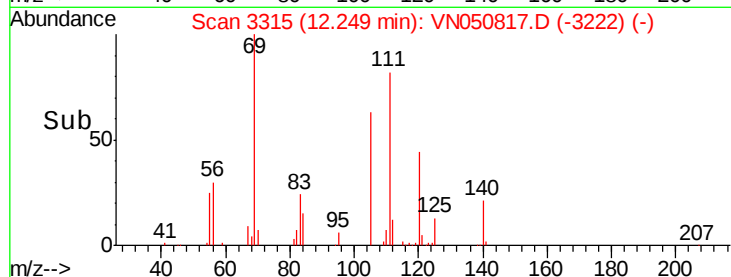
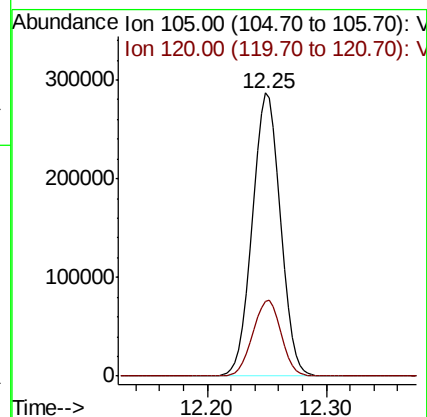
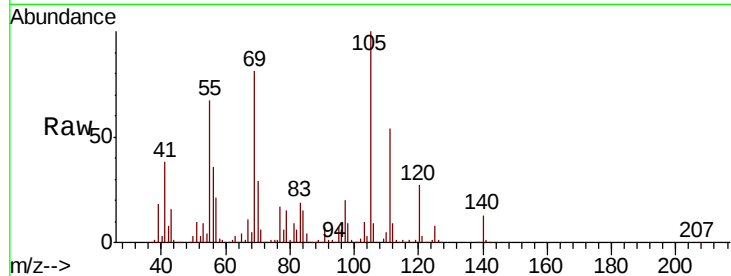
EP1-WC4-UST-0818DL

Tot Ion:105 Resp: 468823

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 159.56 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.02 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Tgt Ion: 43 Resp: 1460636

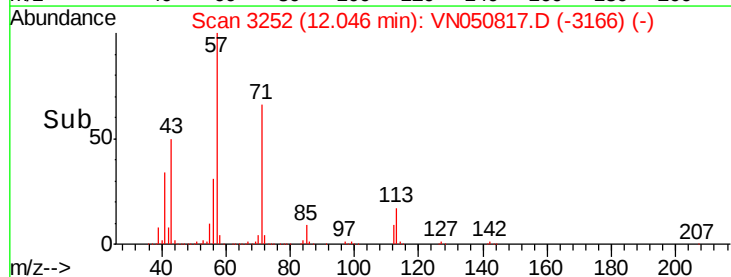
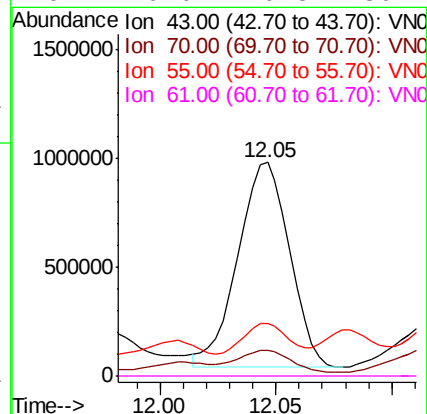
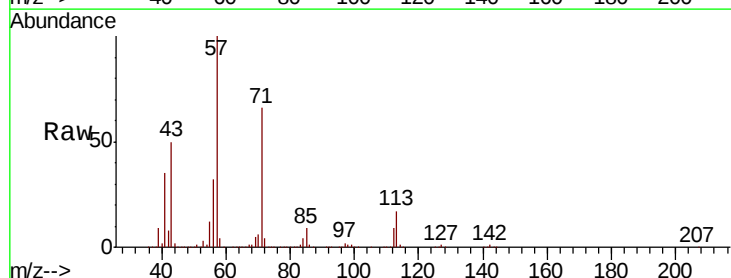
Ion Ratio Lower Upper

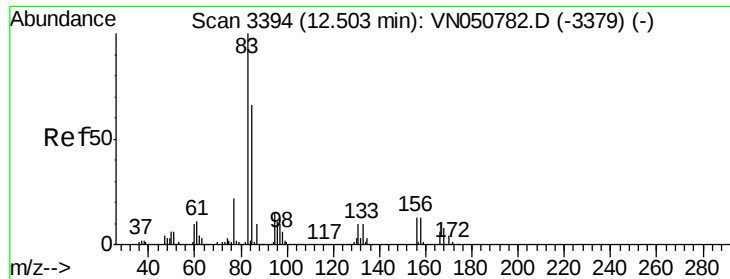
43 100

70 11.0 36.2 54.2#

55 12.8 21.8 32.8#

61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 12.13 ug/l

RT: 12.45 min Scan# 3378

Delta R.T. -0.05 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

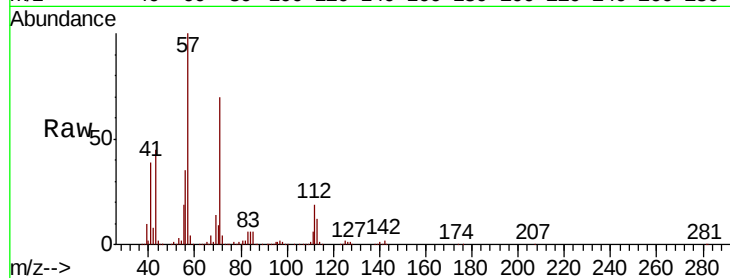
Tot Ion: 83 Resp: 116095

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

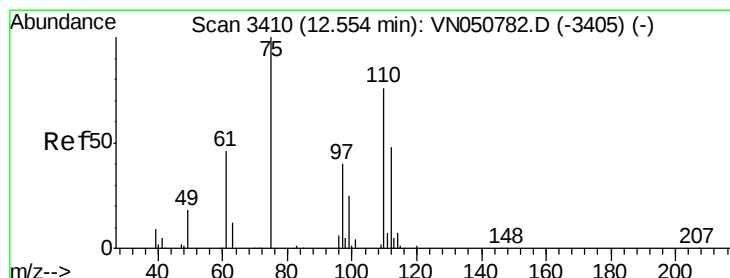
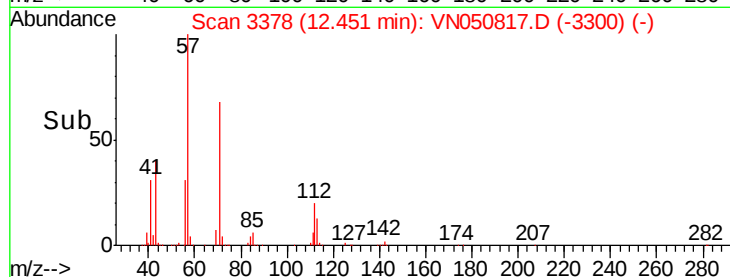
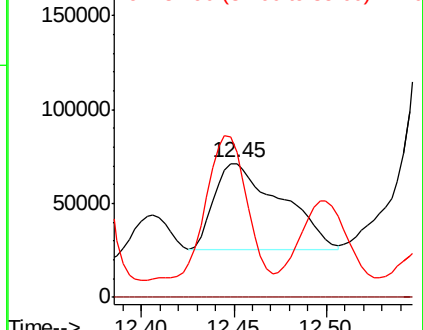
85 100.7 31.9 95.7#



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: 4.49 ug/l

RT: 12.65 min Scan# 3441

Delta R.T. 0.10 min

Lab File: VN050817.D

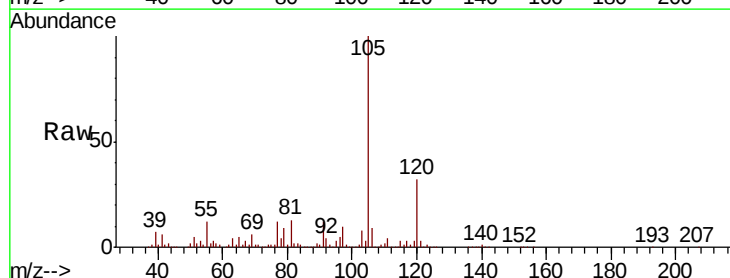
Acq: 22 Aug 2018 14:13

Tgt Ion: 75 Resp: 34584

Ion Ratio Lower Upper

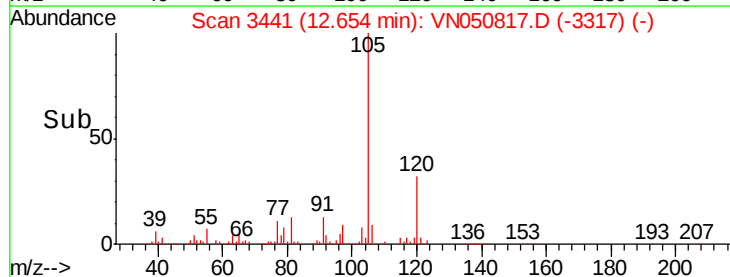
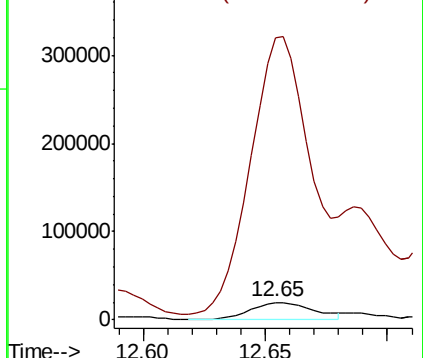
75 100

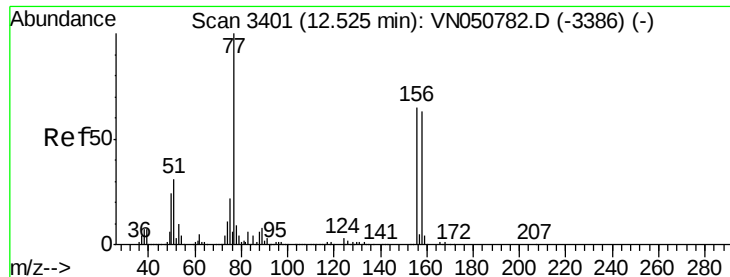
77 1534.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.25 ug/l

RT: 12.52 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

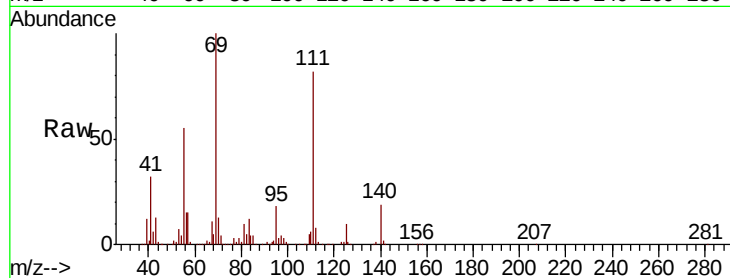
Tot Ion:156 Resp: 2511

Ion Ratio Lower Upper

156 100

77 0.0 89.9 269.7#

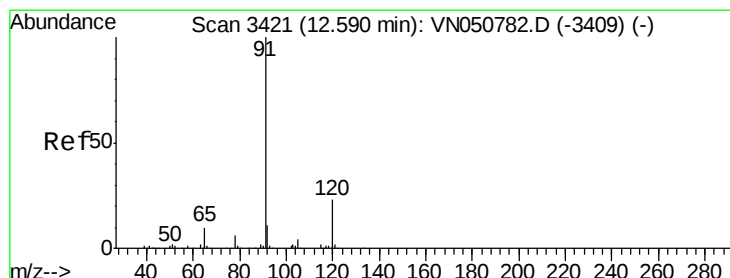
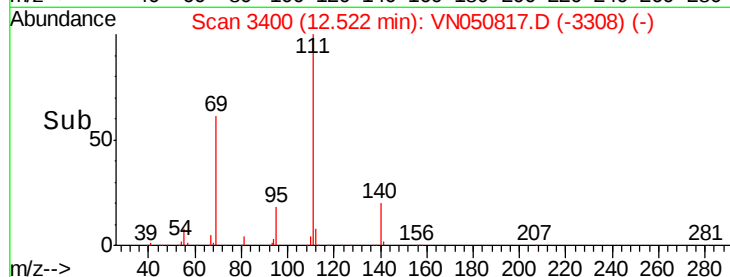
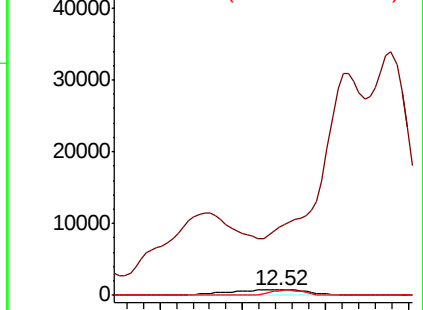
158 39.9 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 29.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050817.D

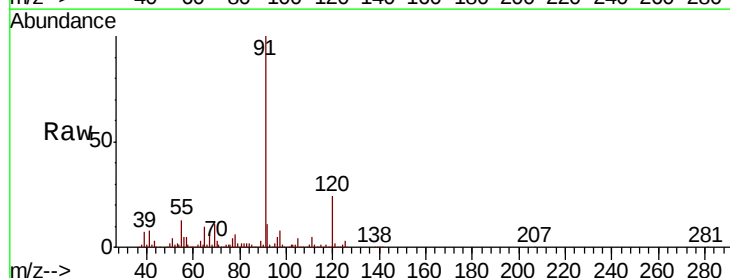
Acq: 22 Aug 2018 14:13

Tgt Ion: 91 Resp: 1183672

Ion Ratio Lower Upper

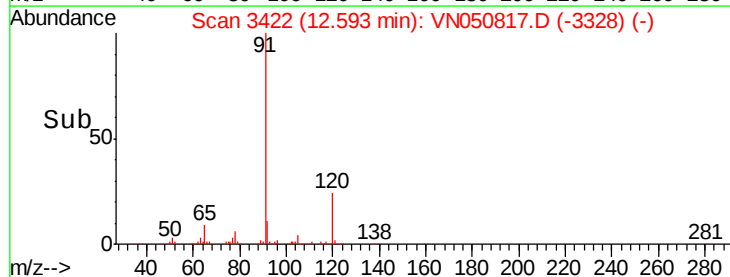
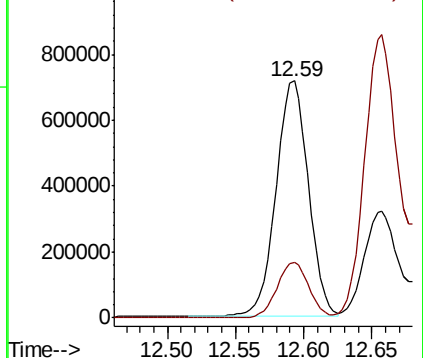
91 100

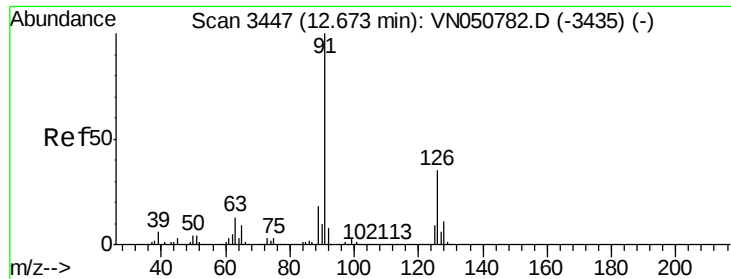
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

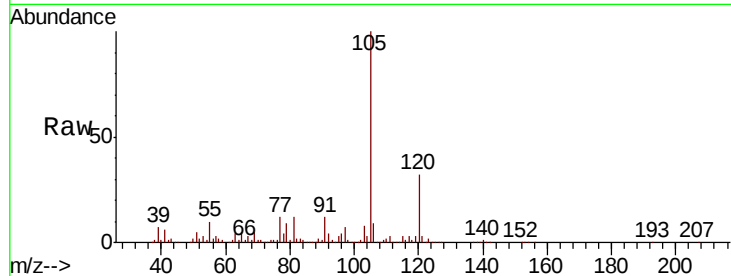




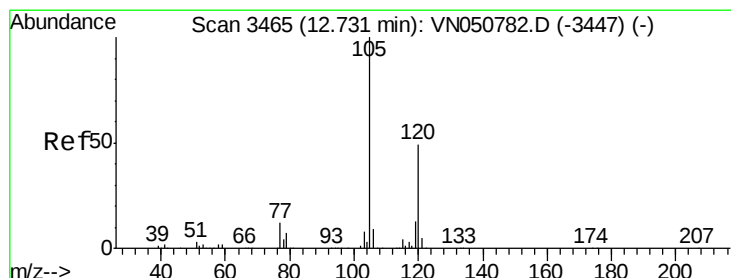
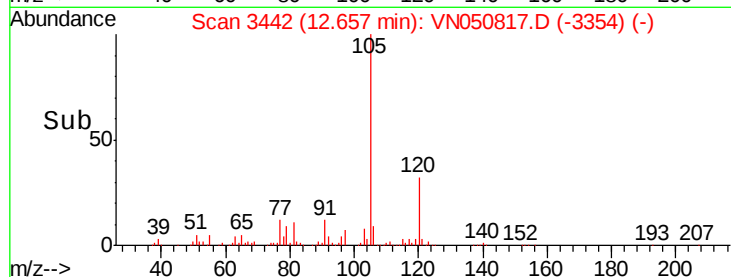
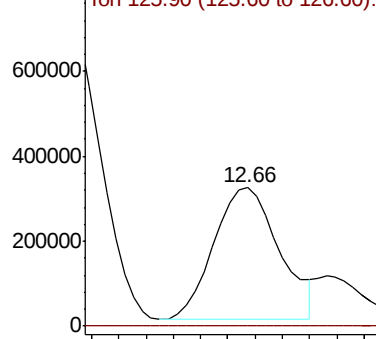
#79
 2-Chlorotoluene
 Concen: 20.52 ug/l
 RT: 12.66 min Scan# 3442
 Delta R.T. -0.02 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

Tot Ion: 91 Resp: 520325
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.3#

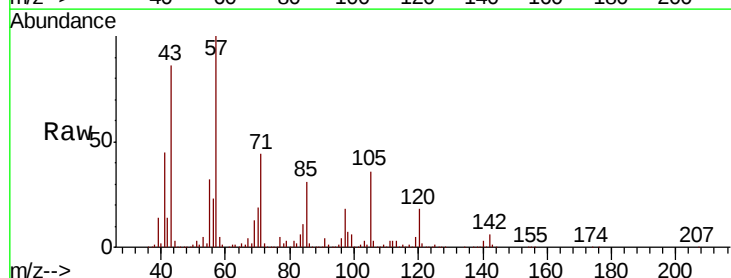


Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 125.90 (125.60 to 126.60): V

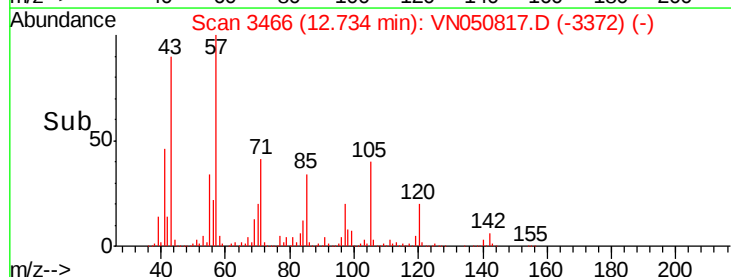
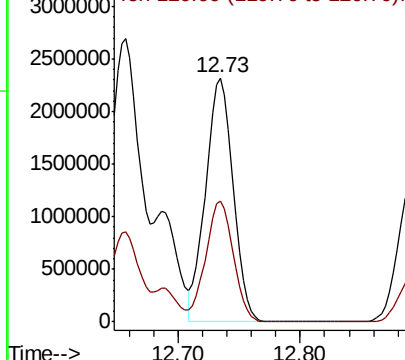


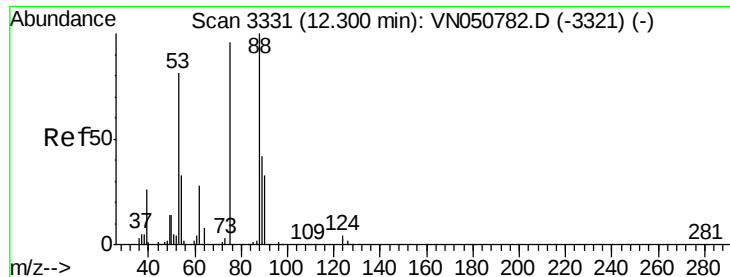
#80
 1,3,5-Trimethylbenzene
 Concen: 123.97 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion:105 Resp: 3644596
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 103.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

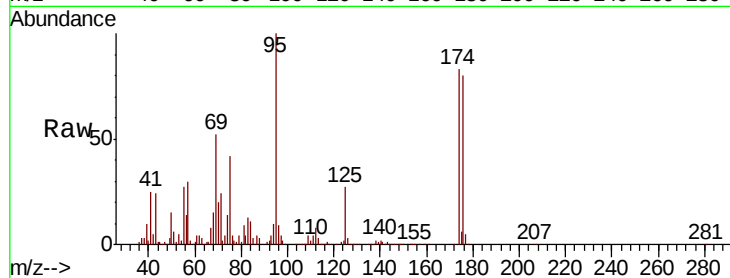
Tot Ion: 75 Resp: 234835

Ion Ratio Lower Upper

75 100

53 1.9 68.9 103.3#

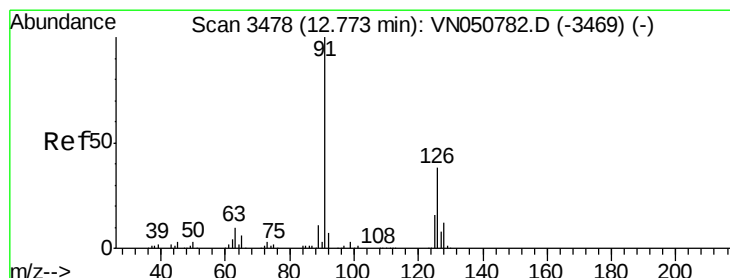
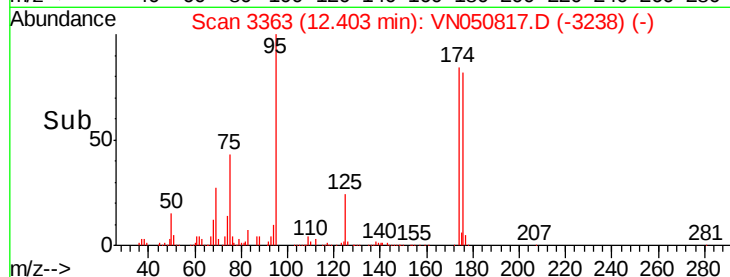
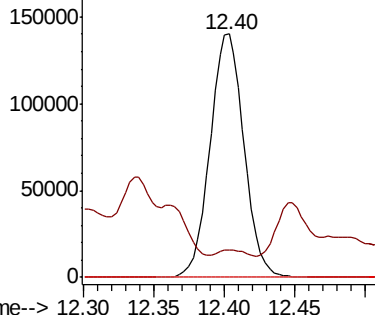
89 0.0 36.1 54.1#



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: 16.01 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050817.D

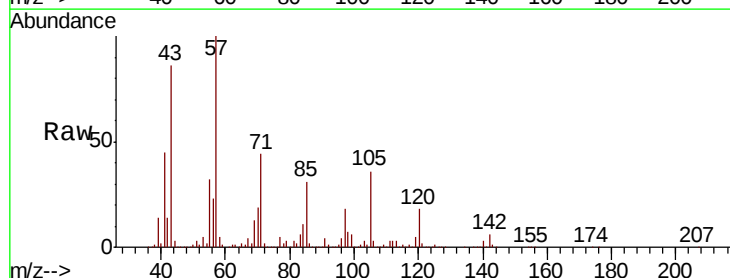
Acq: 22 Aug 2018 14:13

Tgt Ion: 91 Resp: 400597

Ion Ratio Lower Upper

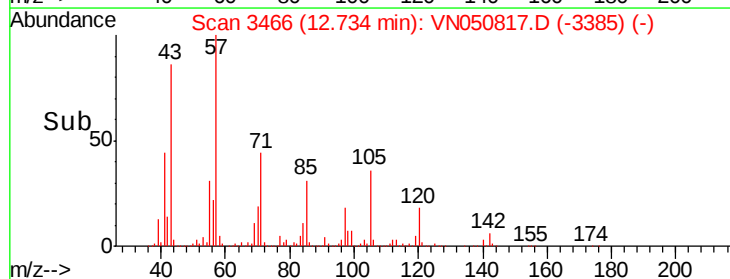
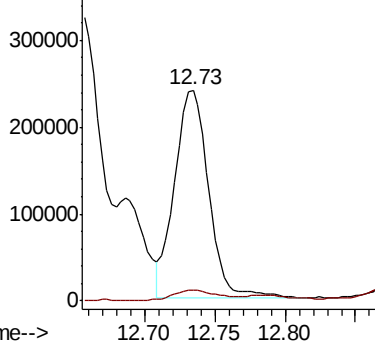
91 100

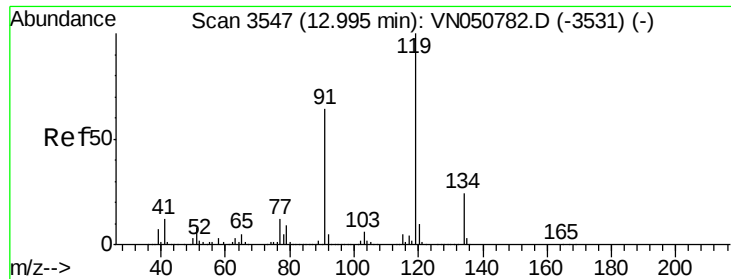
126 6.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

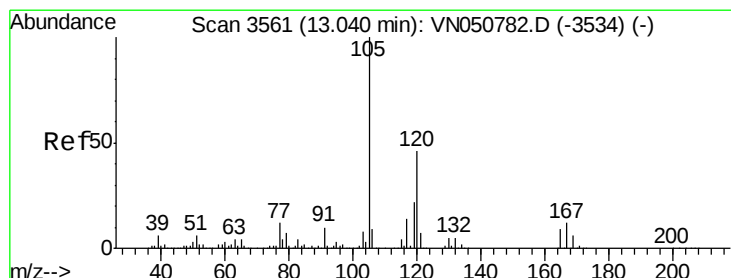
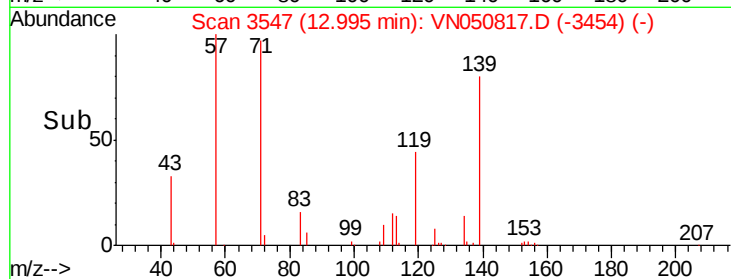
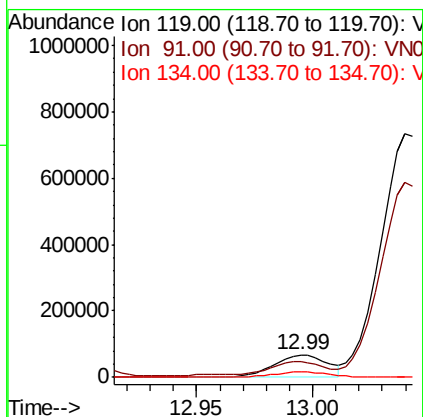
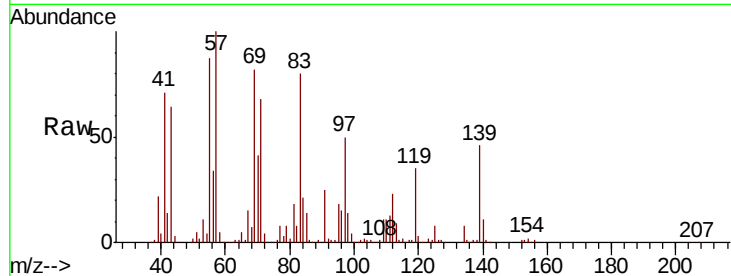




#83
 tert-Butylbenzene
 Concen: 4.27 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

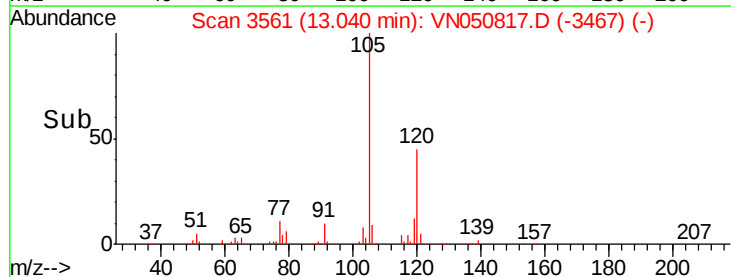
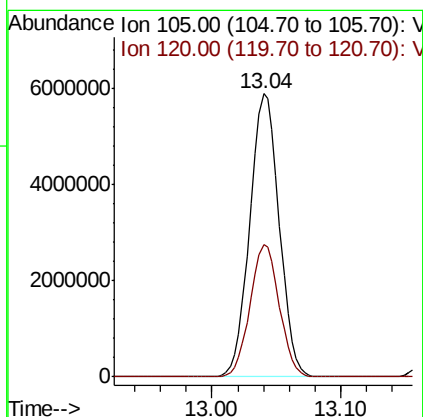
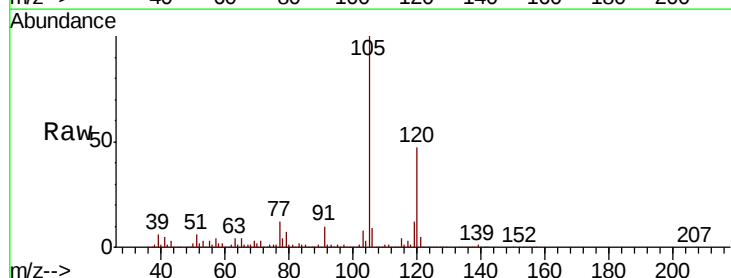
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

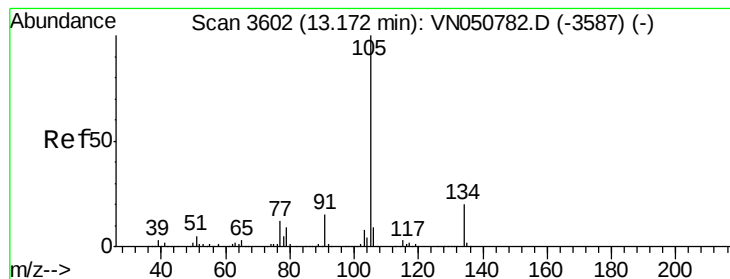
Tot Ion:119 Resp: 108707
 Ion Ratio Lower Upper
 119 100
 91 68.9 31.6 94.7
 134 24.5 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 316.97 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion:105 Resp: 9373288
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#85

sec-Butylbenzene

Concen: 26.89 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

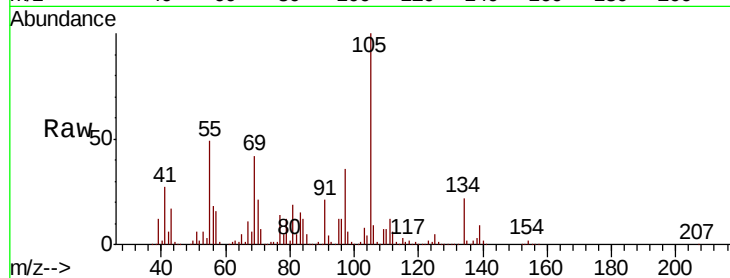
EP1-WC4-UST-0818DL

Tot Ion:105 Resp: 897166

Ion Ratio Lower Upper

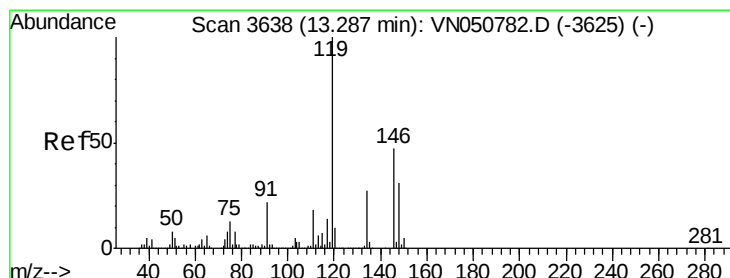
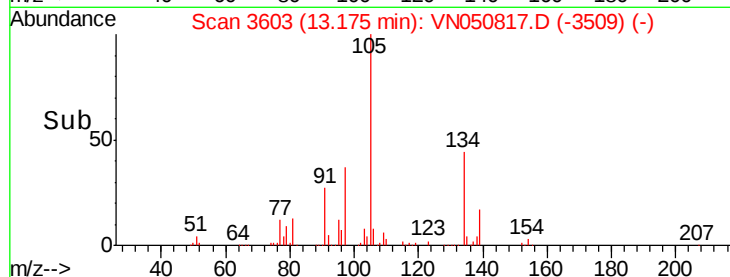
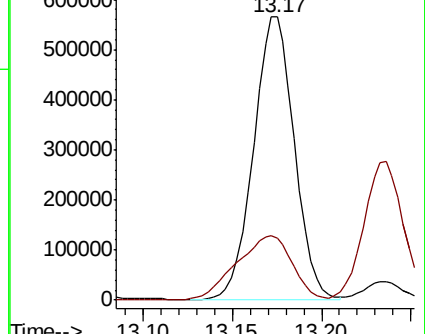
105 100

134 31.3 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.11 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

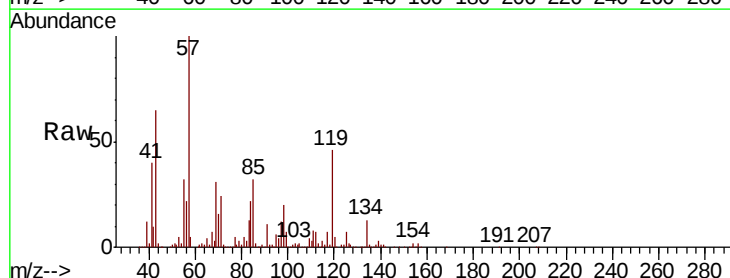
Tgt Ion:119 Resp: 571703

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

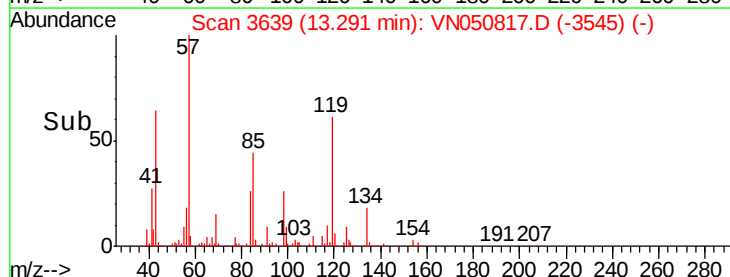
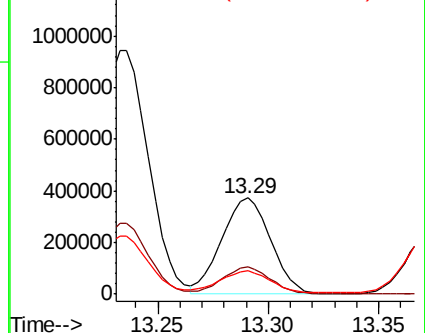
91 22.6 11.2 33.5

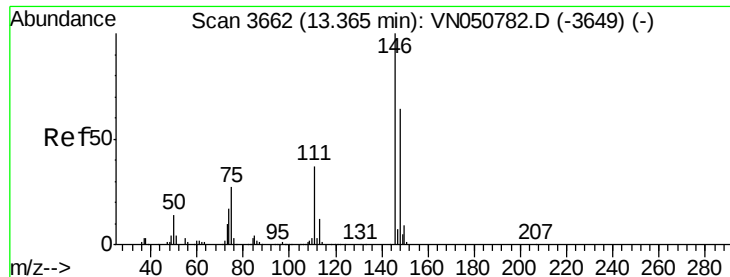


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

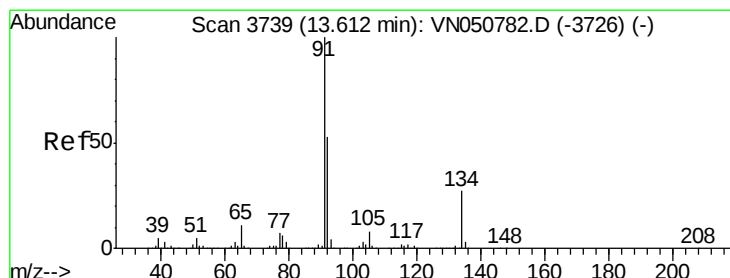
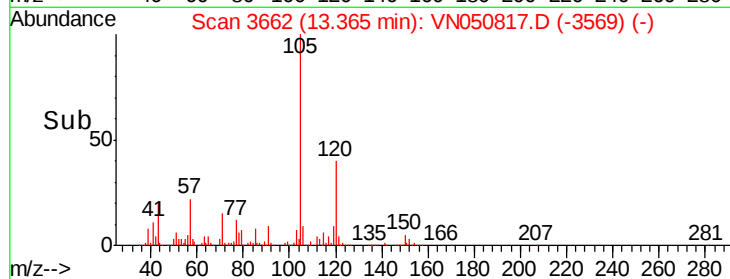
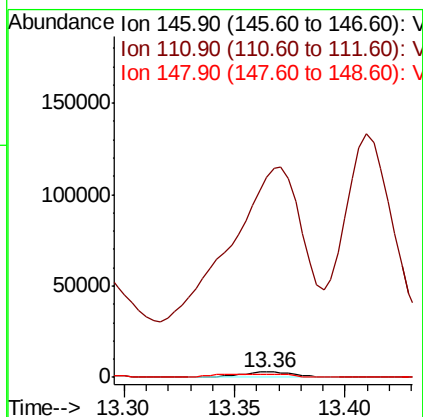
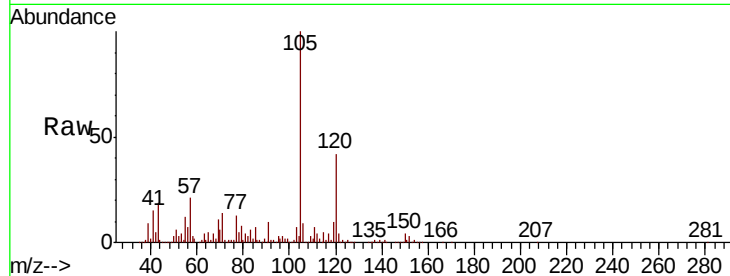




#88
 1,4-Dichlorobenzene
 Concen: 0.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

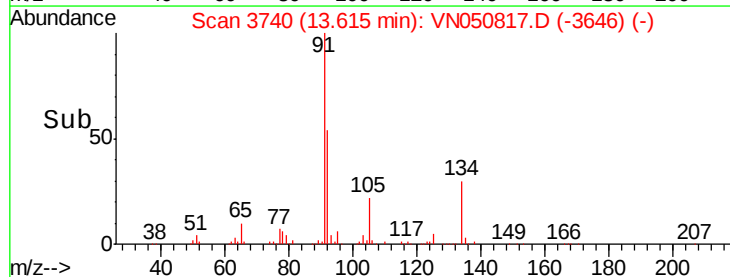
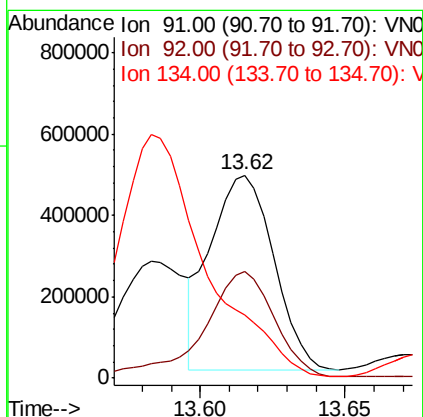
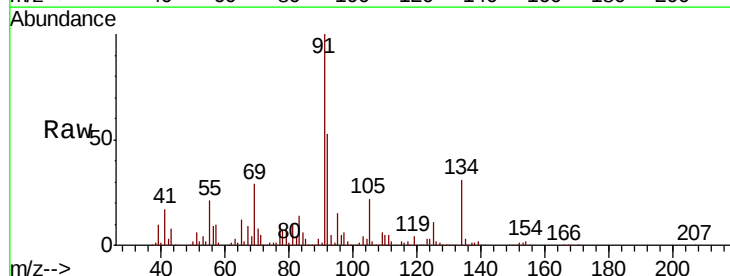
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

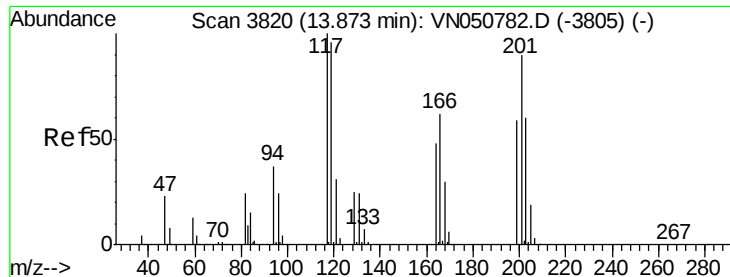
Tot Ion:146 Resp: 4936
 Ion Ratio Lower Upper
 146 100
 111 3763.0 18.8 56.3#
 148 86.6 32.2 96.6



#89
 n-Butylbenzene
 Concen: 31.92 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion: 91 Resp: 725680
 Ion Ratio Lower Upper
 91 100
 92 60.1 26.1 78.2
 134 0.0 13.2 39.6#





#90

Hexachloroethane

Concen: 28.78 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

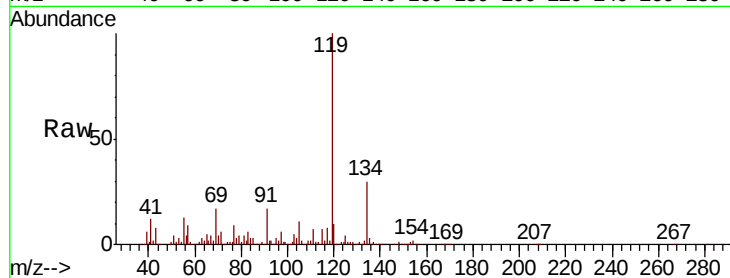
EP1-WC4-UST-0818DL

Tot Ion:117 Resp: 155473

Ion Ratio Lower Upper

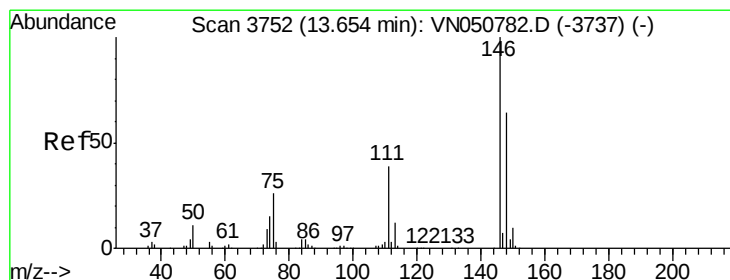
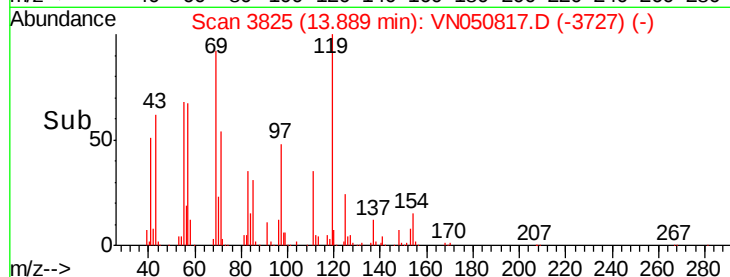
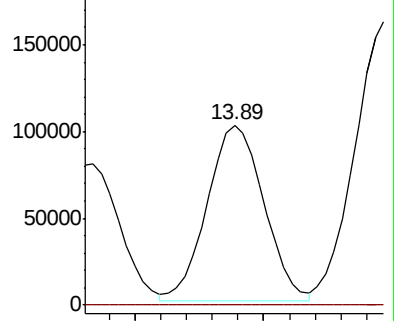
117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

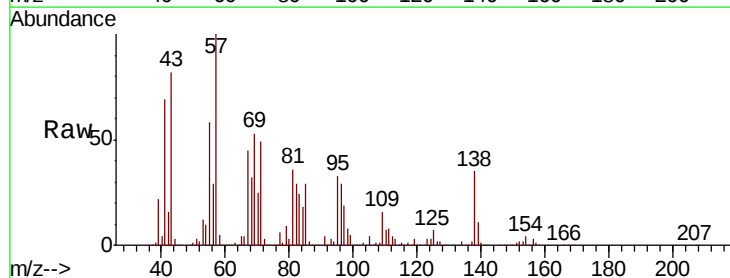
Tgt Ion:146 Resp: 3759

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

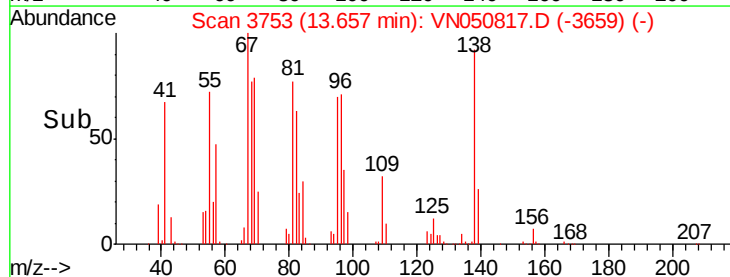
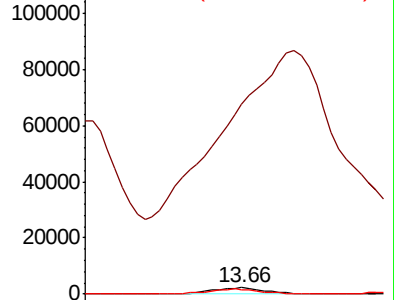
148 72.6 32.3 96.8

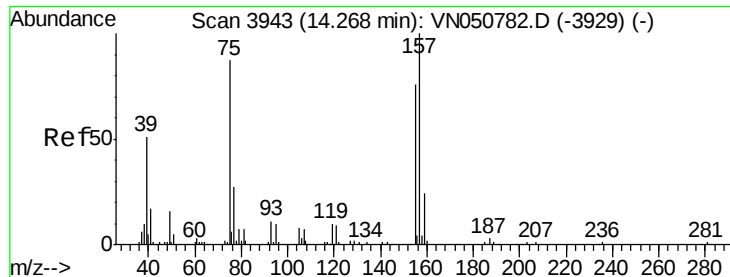


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

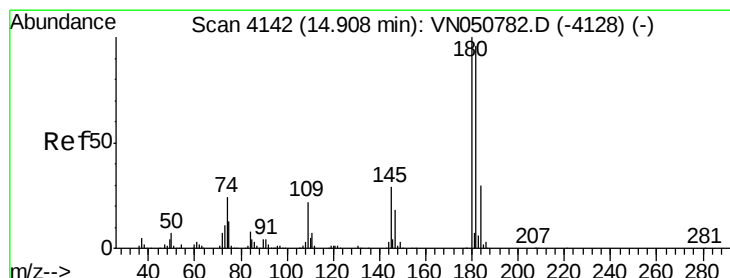
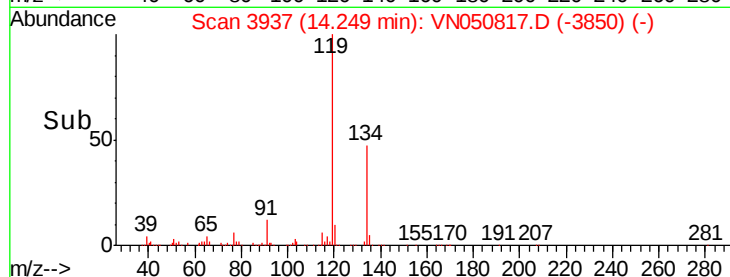
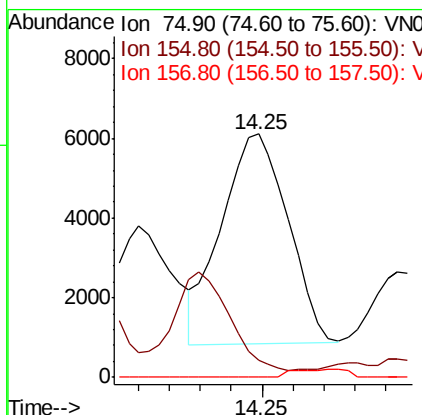
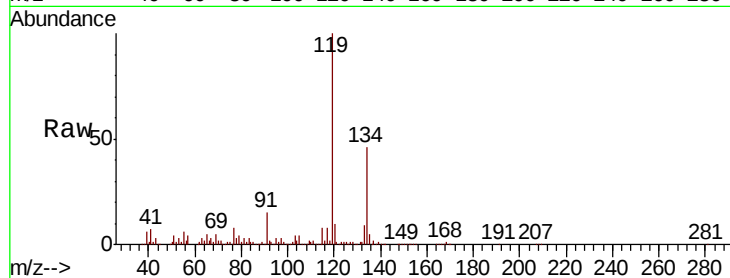




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.04 ug/l
 RT: 14.25 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

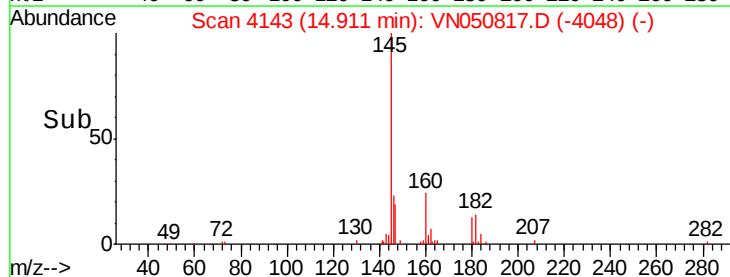
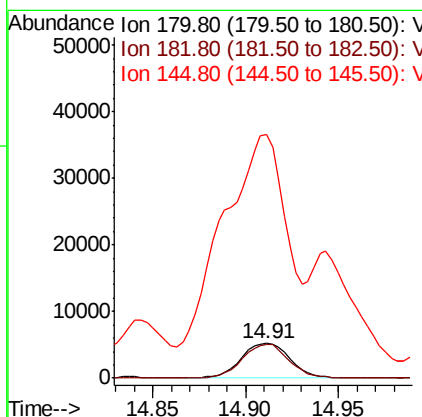
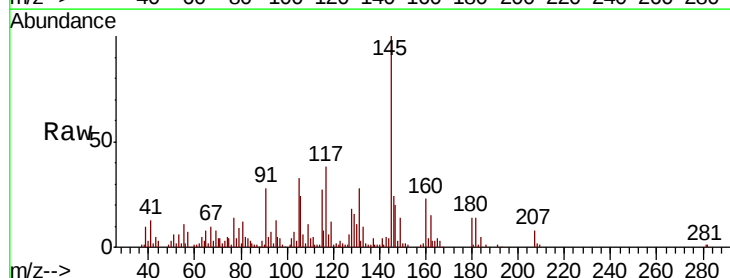
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-WC4-UST-0818DL

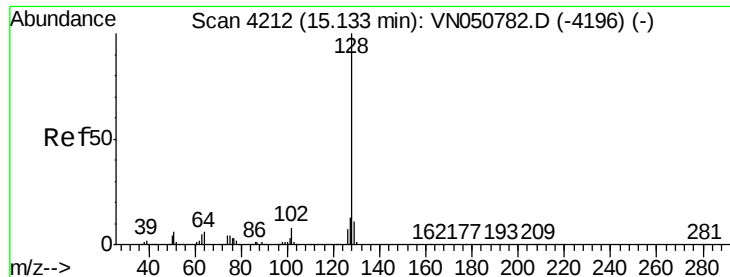
Tot Ion: 75 Resp: 7908
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.4 139.1#
 157 0.0 60.7 182.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.12 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050817.D
 Acq: 22 Aug 2018 14:13

Tgt Ion: 180 Resp: 9551
 Ion Ratio Lower Upper
 180 100
 182 92.3 48.2 144.6
 145 957.6 14.1 42.2#





#95

Naphthalene

Concen: 21.09 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

EP1-WC4-UST-0818DL

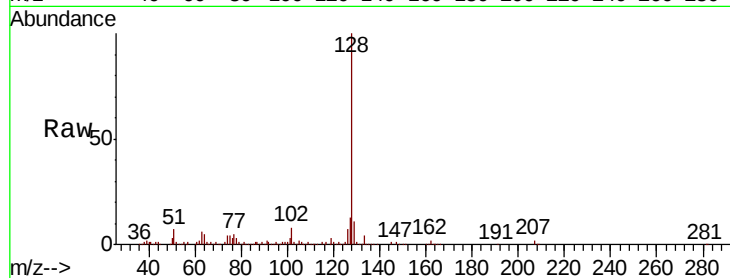
Tot Ion:128 Resp: 309146

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

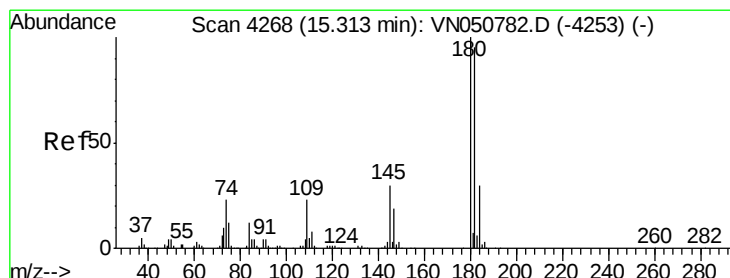
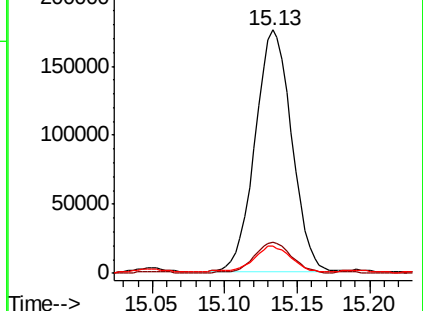
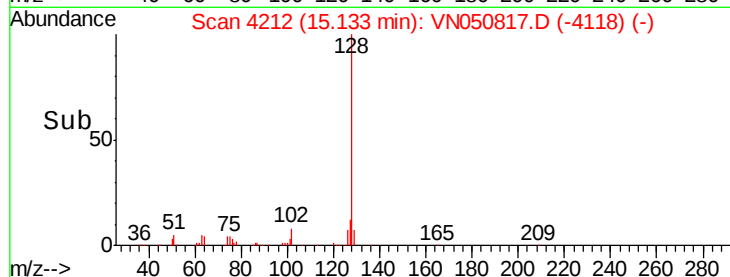
129 10.4 8.7 13.1



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: 4.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050817.D

Acq: 22 Aug 2018 14:13

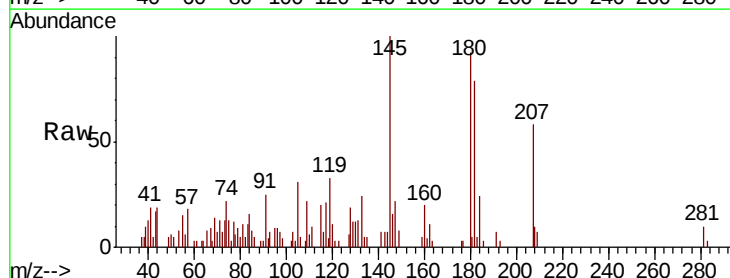
Tgt Ion:180 Resp: 9416

Ion Ratio Lower Upper

180 100

182 89.3 48.0 144.2

145 0.0 15.2 45.6#



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

