

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004631.D
 Acq On : 11 Aug 2018 07:35
 Operator : SY/AP
 Sample : J4272-03RE
 Misc : 6.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-BRE

Quant Time: Aug 13 00:50:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	473148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	154540	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.88	113	145600	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
50) Toluene-d8	10.33	98	415864	34.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.16%	
62) 4-Bromofluorobenzene	12.62	95	144837	33.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.86%	

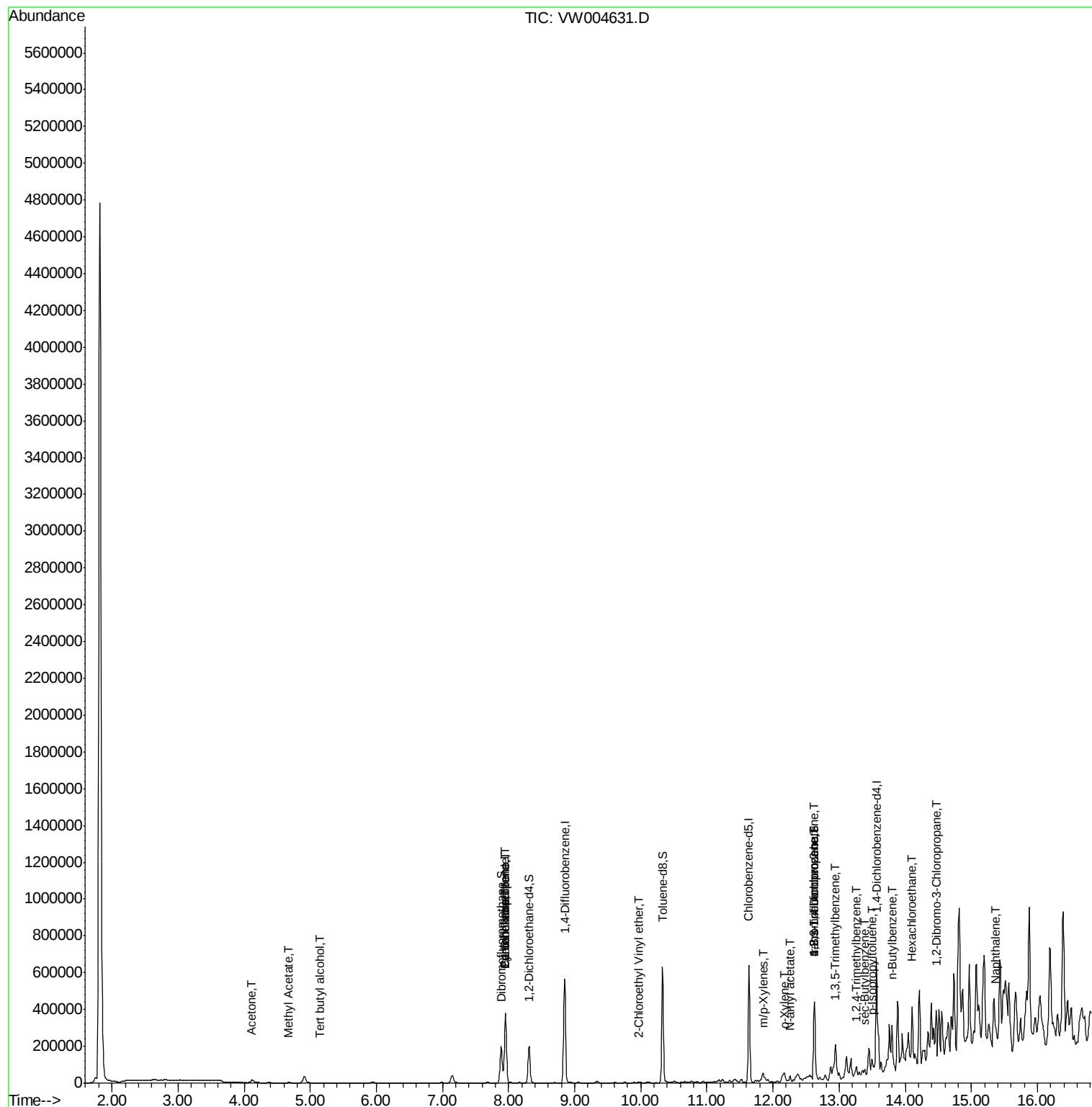
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	359	1.922	ug/l	98
16) Acetone	4.12	43	26590	33.379	ug/l	98
18) Methyl Acetate	4.67	43	2803	1.411	ug/l #	79
20) Methylene Chloride	4.90	84	25142	Below Cal		92
31) Cyclohexane	7.95	56	7368	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22391	4.395	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27749	6.053	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.97	63	19	8.955	ug/l #	48
68) m/p-Xylenes	11.85	106	6553	1.228	ug/l	93
69) o-Xylene	12.17	106	10497	2.121	ug/l	94
74) N-amyl acetate	12.26	43	6311	2.375	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	72148	44.013	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	41413	4.431	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	72148	105.363	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	30929	3.196	ug/l	98
85) sec-Butylbenzene	13.40	105	12563	1.062	ug/l	89
86) p-Isopropyltoluene	13.51	119	19010	1.855	ug/l	95
89) n-Butylbenzene	13.80	91	13852	1.376	ug/l #	1
90) Hexachloroethane	14.10	117	16223	8.555	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.47	75	1233	3.299	ug/l #	2
95) Naphthalene	15.38	128	5137	3.598	ug/l #	69

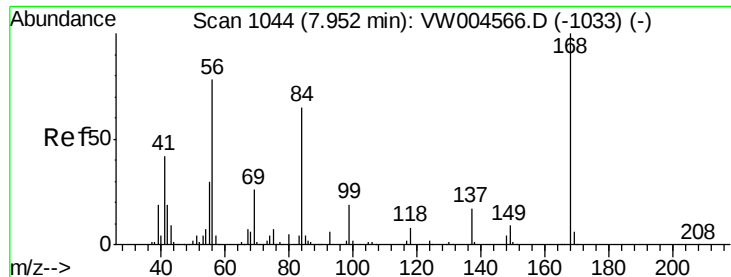
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

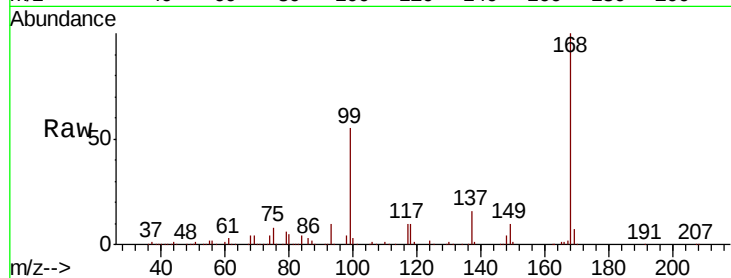
JC-03-080918-BRE

Tgt Ion:168 Resp: 288160

Ion Ratio Lower Upper

168 100

99 55.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

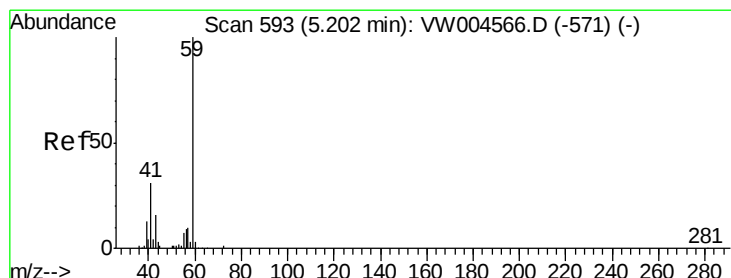
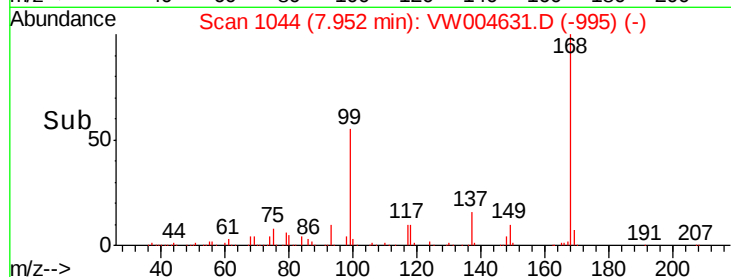
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.922 ug/l

RT: 5.15 min Scan# 584

Delta R.T. -0.07 min

Lab File: VW004631.D

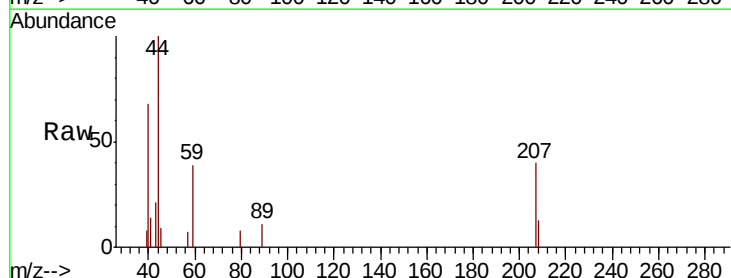
Acq: 11 Aug 2018 07:35

Tgt Ion: 59 Resp: 359

Ion Ratio Lower Upper

59 100

57 12.3 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

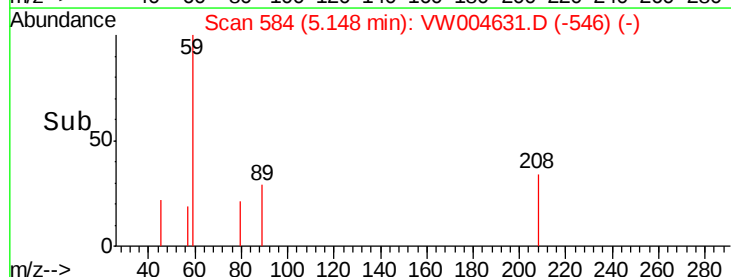
300

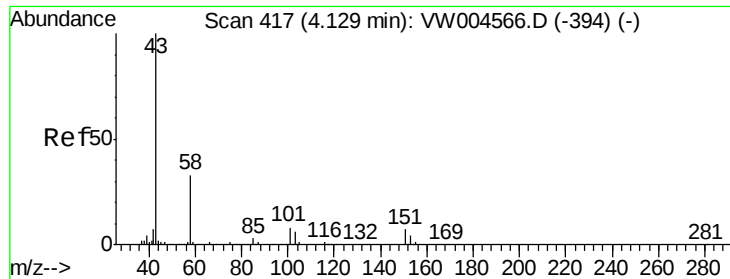
200

100

0

Time--> 5.10 5.12 5.14 5.16

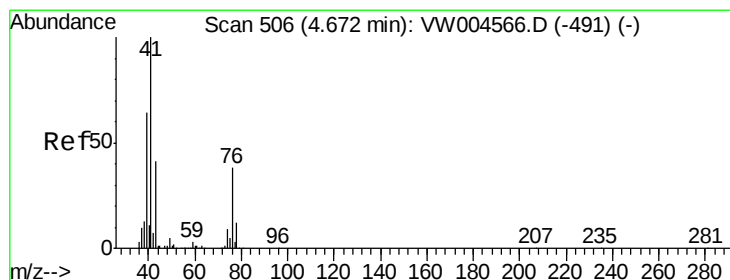
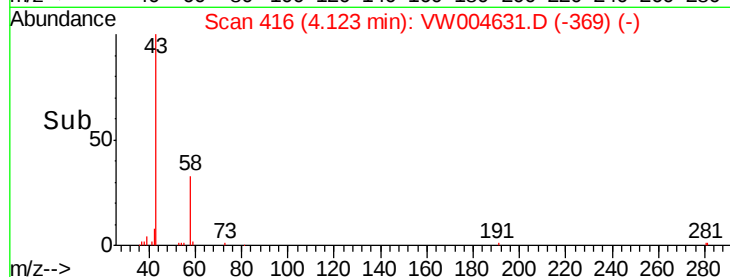
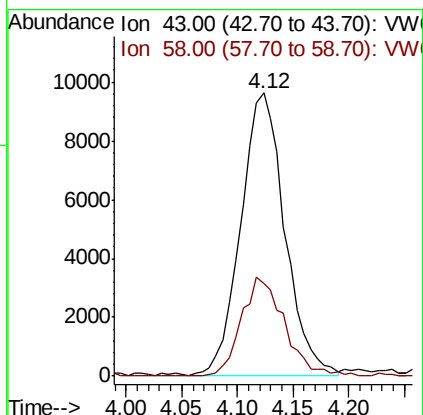
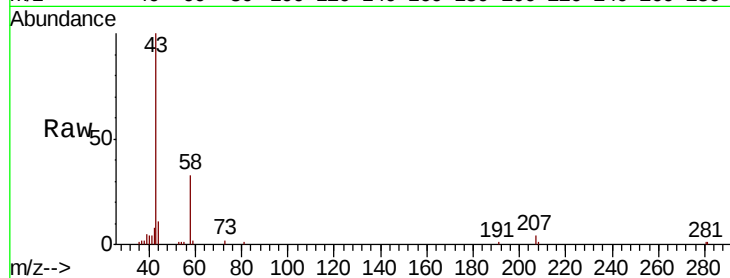




#16
Acetone
Concen: 33.379 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

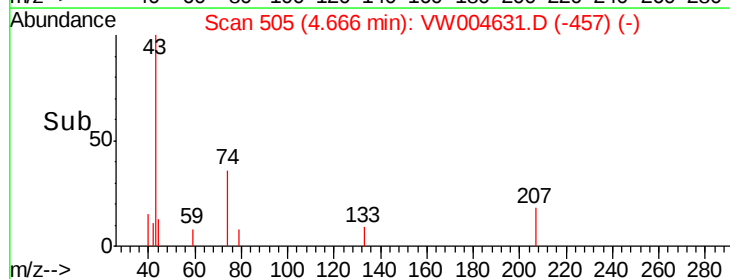
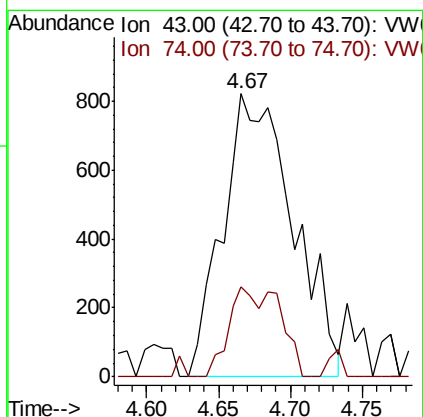
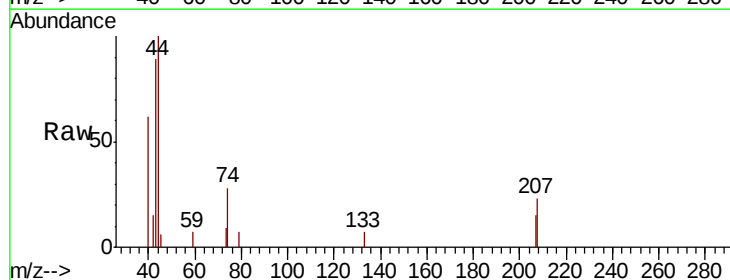
Instrument :
MSVOA_W
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JC-03-080918-BRE

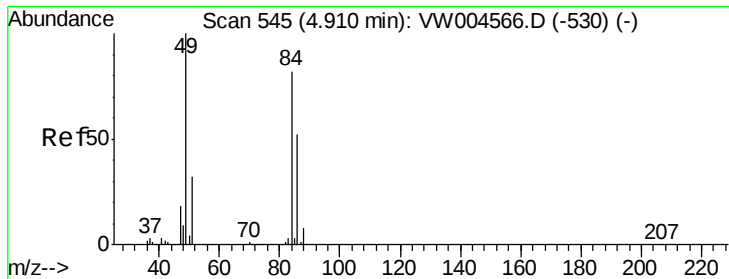
Tgt Ion: 43 Resp: 26590
Ion Ratio Lower Upper
43 100
58 32.6 26.8 40.2



#18
Methyl Acetate
Concen: 1.411 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 13.6 19.1 28.7#

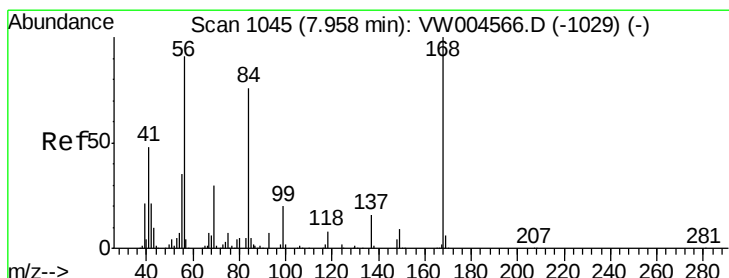
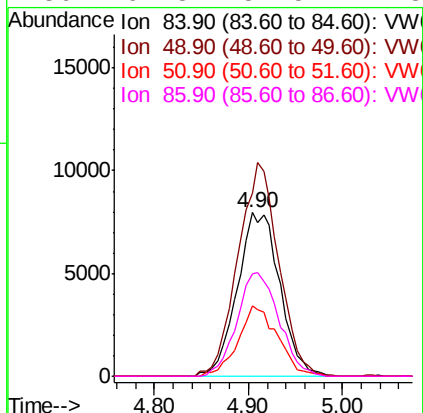
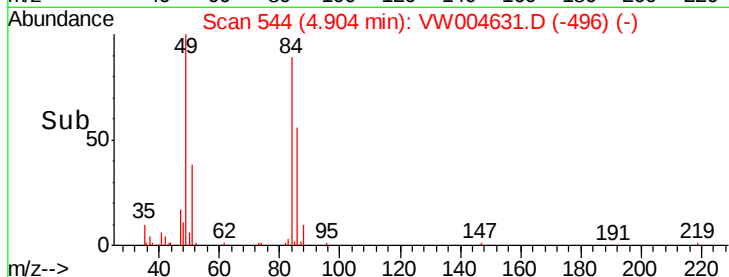
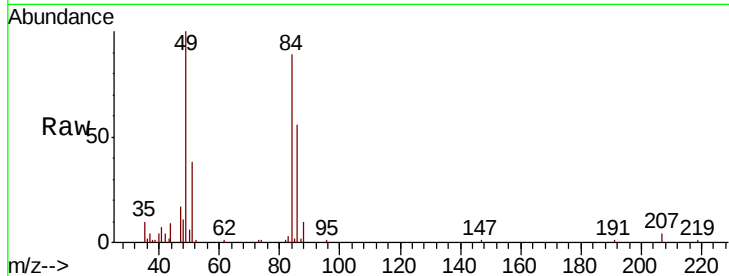




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

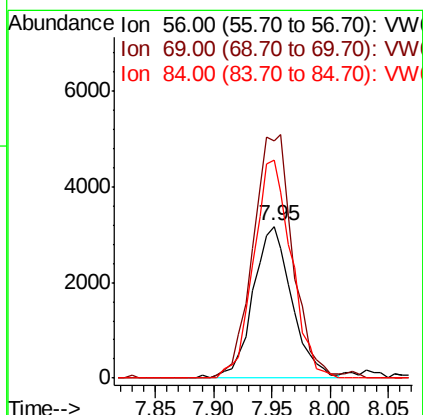
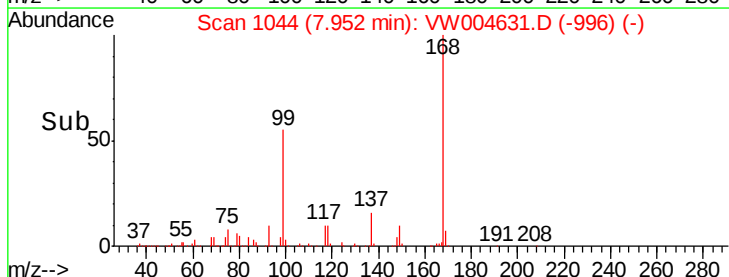
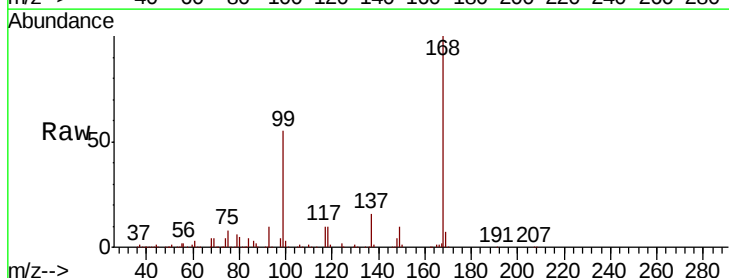
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-BRE

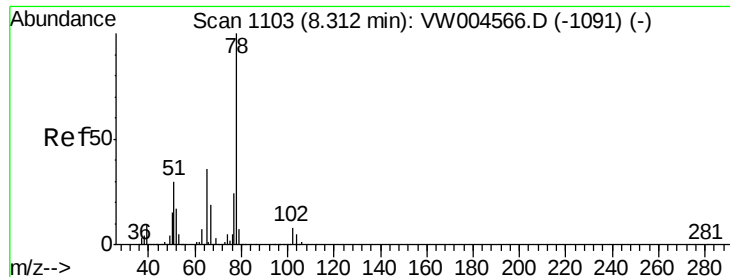
Tgt Ion:	84	Resp:	25142
Ion	Ratio	Lower	Upper
84	100		
49	111.9	99.6	149.4
51	42.8	31.0	46.4
86	62.8	51.5	77.3



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

Tgt Ion:	56	Resp:	7368
Ion	Ratio	Lower	Upper
56	100		
69	156.2	26.4	39.6#
84	143.3	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.448 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

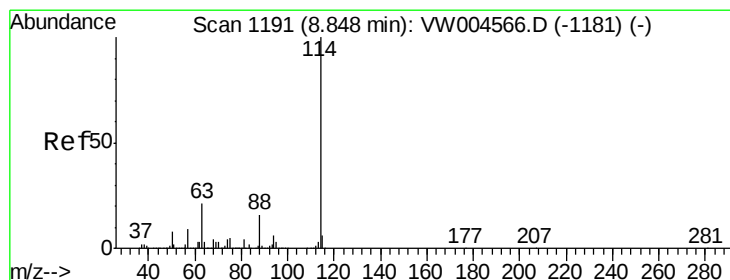
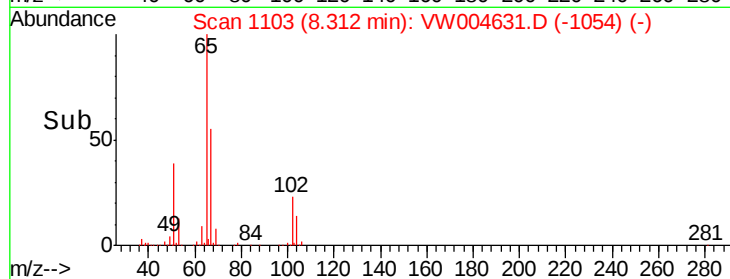
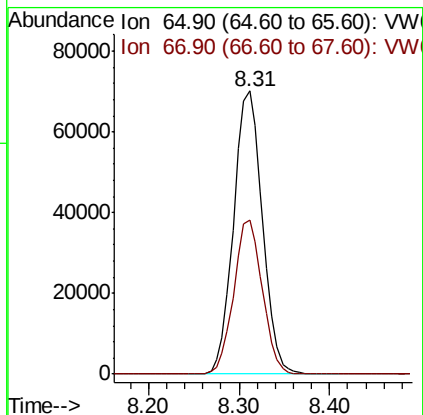
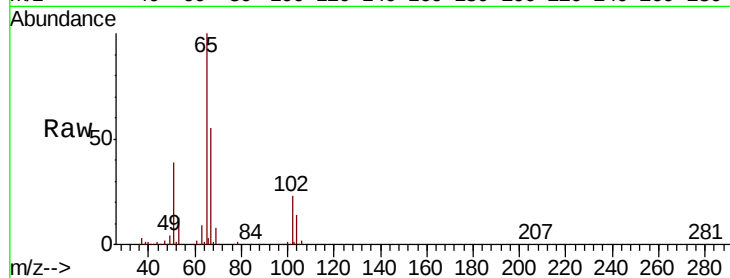
JC-03-080918-BRE

Tgt Ion: 65 Resp: 154540

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

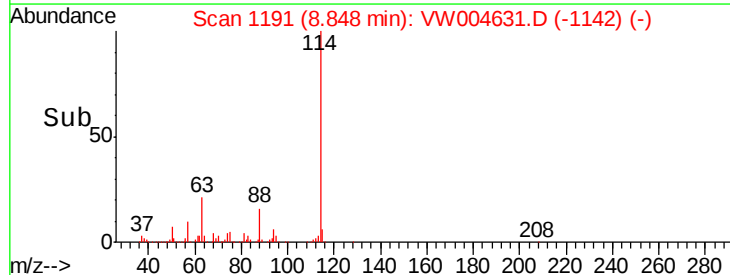
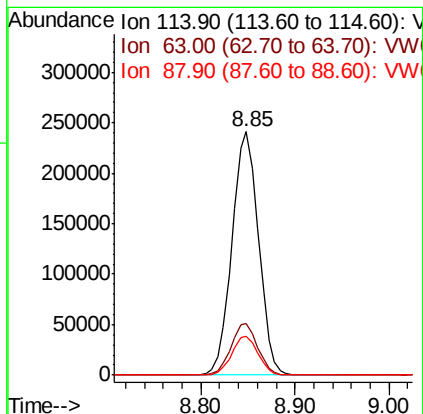
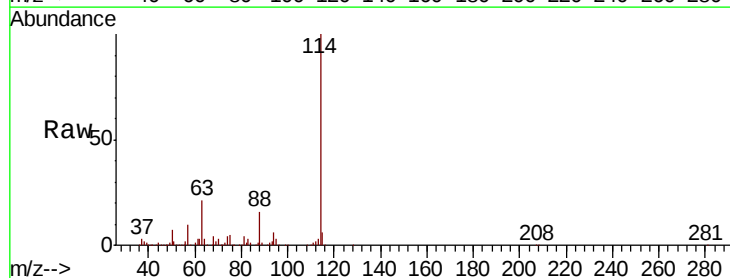
Tgt Ion: 114 Resp: 473148

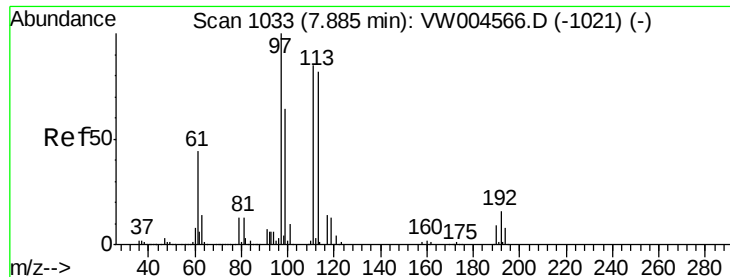
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.152 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-BRE

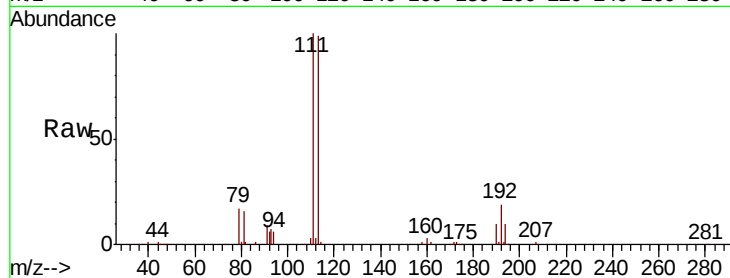
Tgt Ion:113 Resp: 145600

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

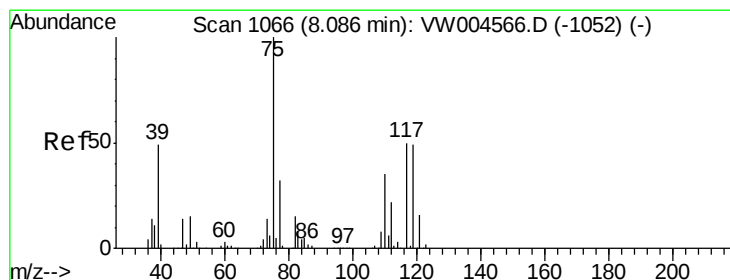
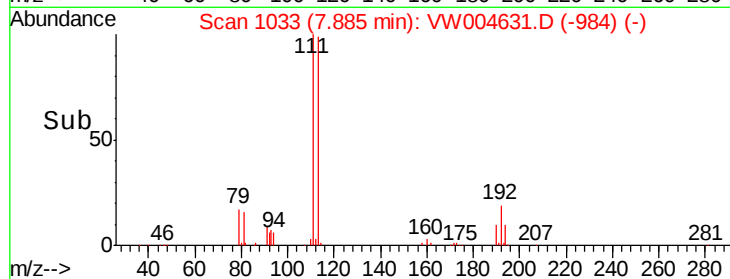
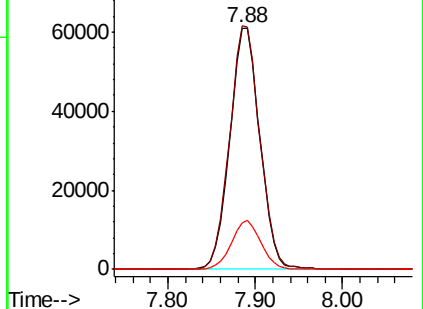
192 19.9 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.395 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

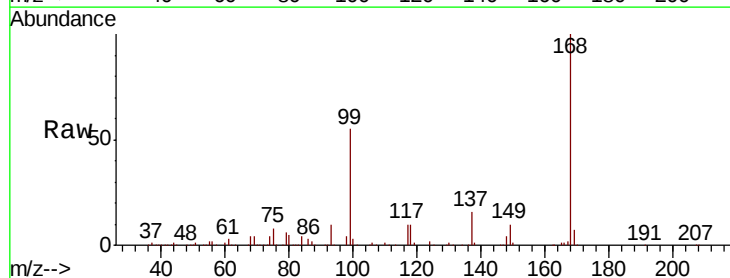
Tgt Ion: 75 Resp: 22391

Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.2#

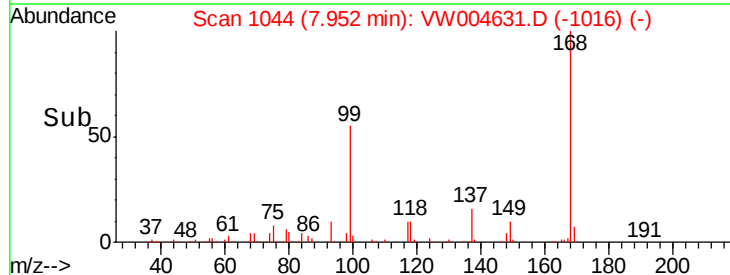
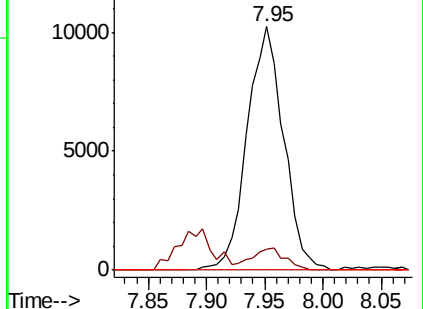
77 0.0 24.7 37.1#

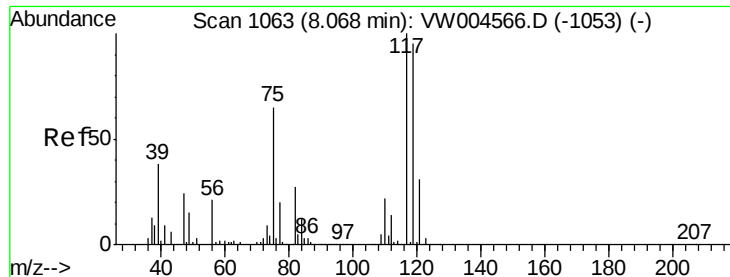


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-BRE

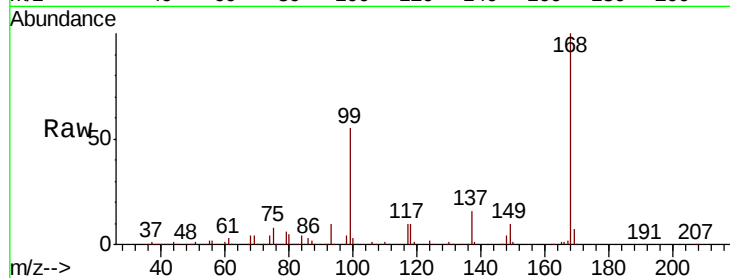
Tgt Ion:117 Resp: 27749

Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

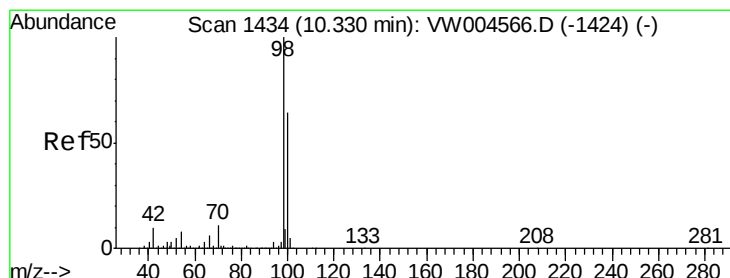
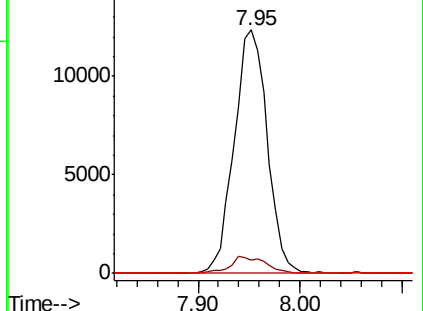
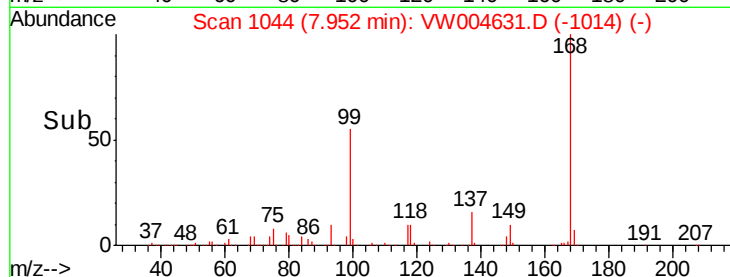
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 34.577 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004631.D

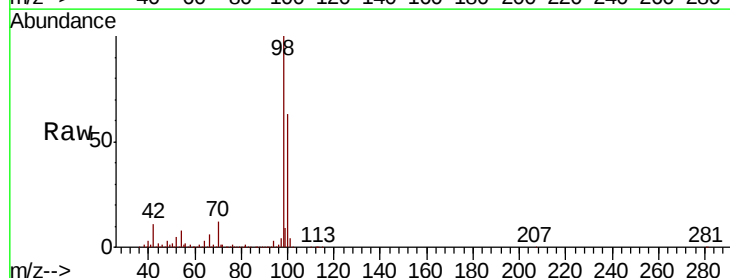
Acq: 11 Aug 2018 07:35

Tgt Ion: 98 Resp: 415864

Ion Ratio Lower Upper

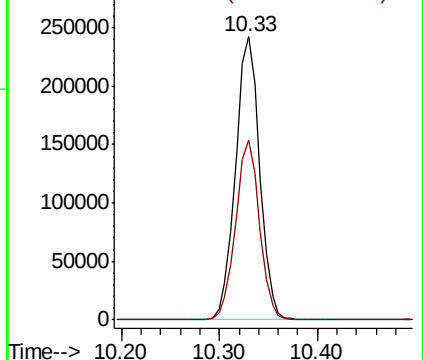
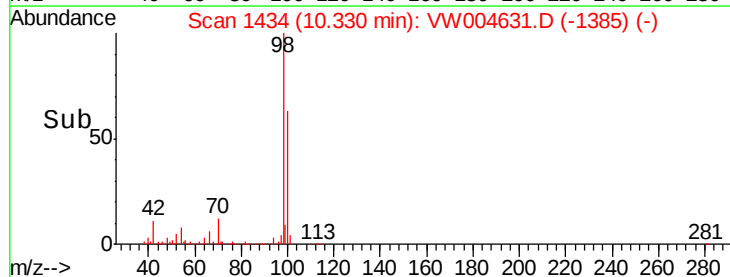
98 100

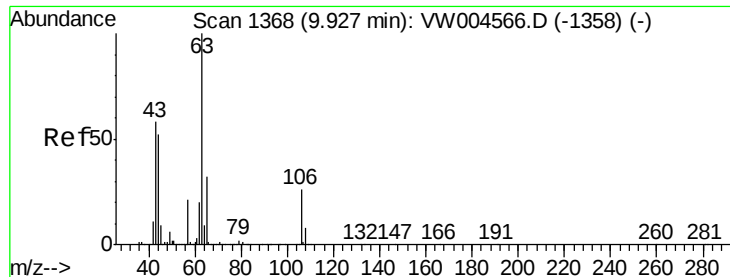
100 62.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

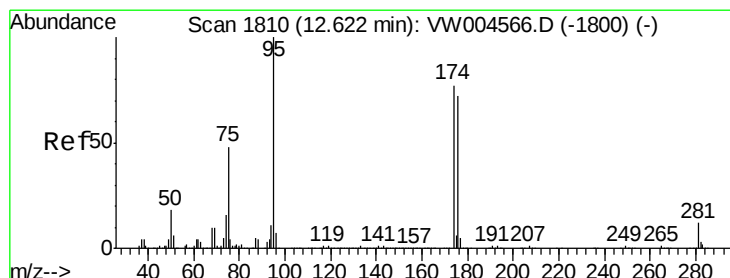
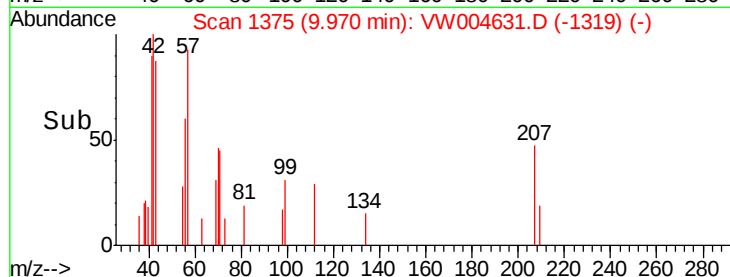
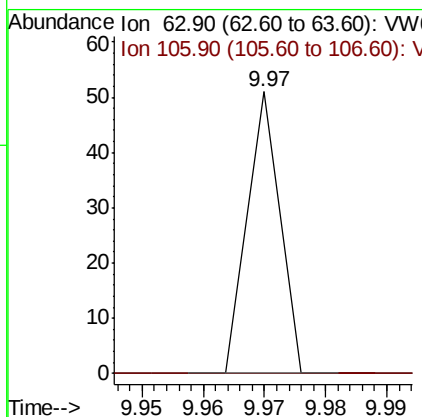
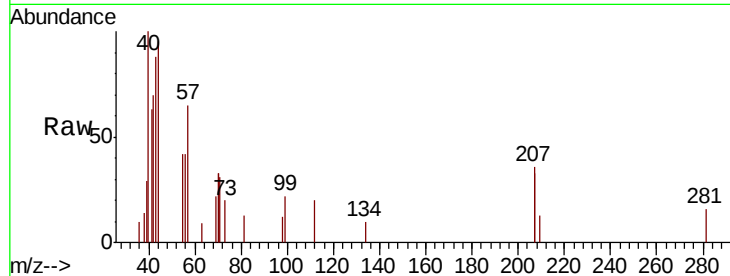




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.955 ug/l
 RT: 9.97 min Scan# 1375
 Delta R.T. 0.04 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

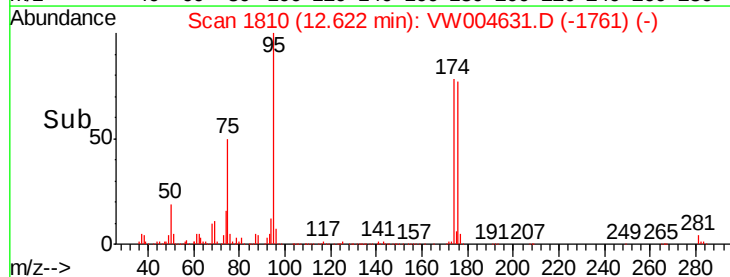
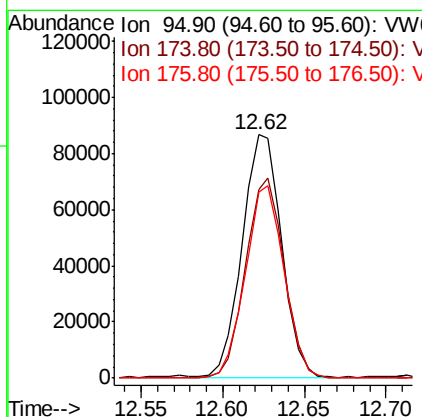
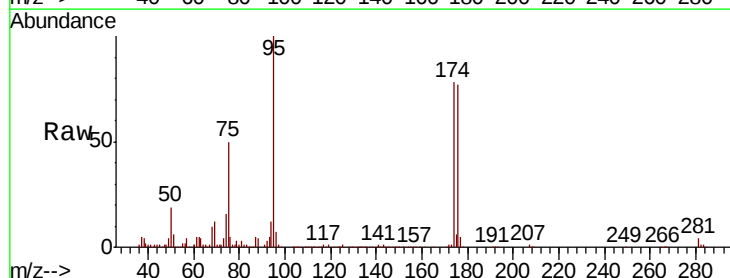
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-BRE

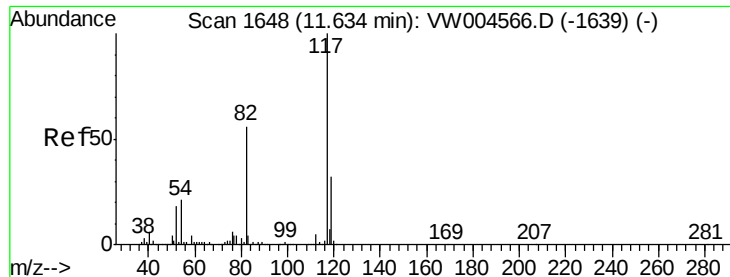
Tgt Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 33.431 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

Tgt Ion: 95 Resp: 144837
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 160.4
 176 78.3 0.0 153.2

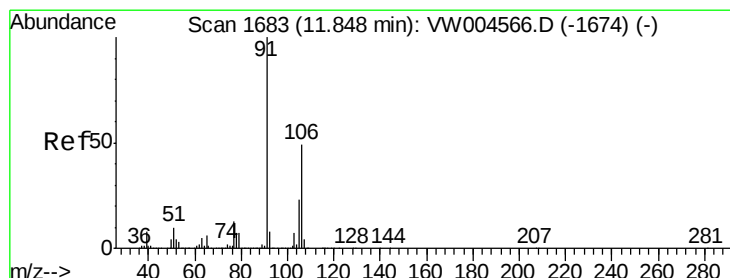
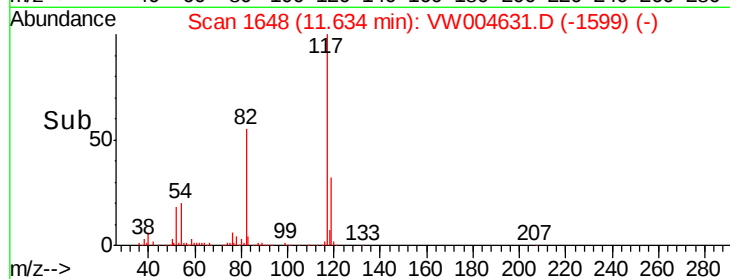
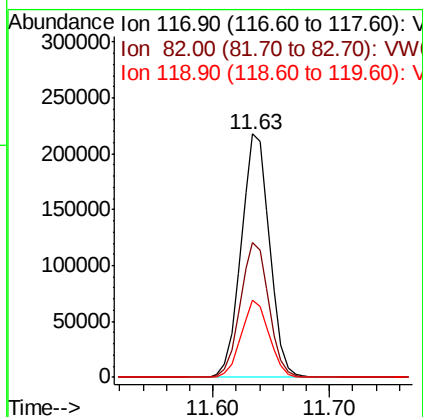
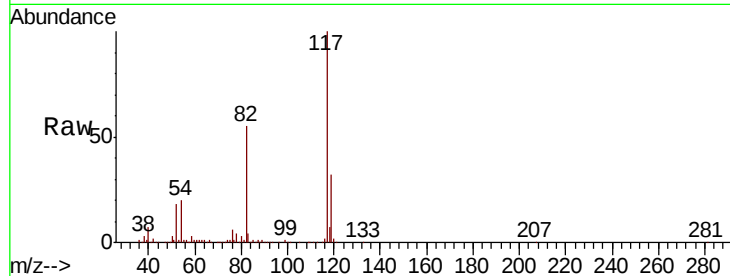




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

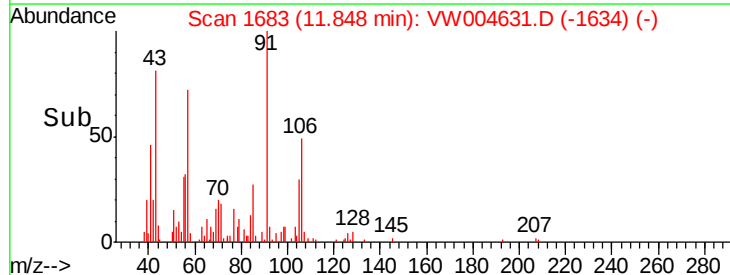
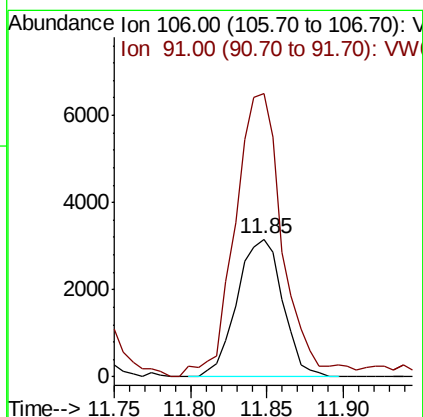
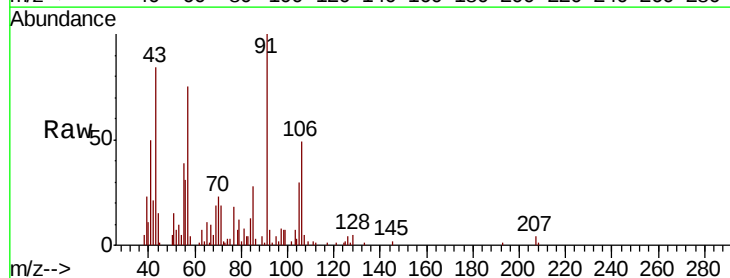
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-BRE

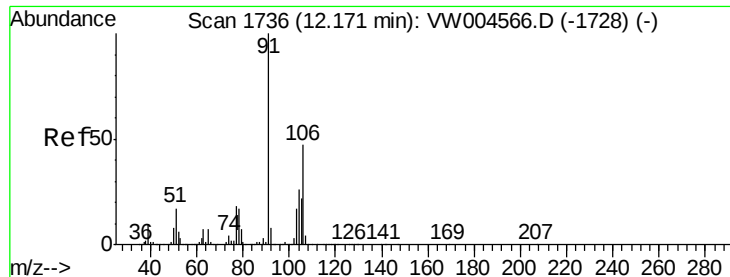
Tgt Ion:117 Resp: 369571
Ion Ratio Lower Upper
117 100
82 55.3 45.3 67.9
119 31.6 26.2 39.4



#68
m/p-Xylenes
Concen: 1.228 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

Tgt Ion:106 Resp: 6553
Ion Ratio Lower Upper
106 100
91 214.6 162.8 244.2

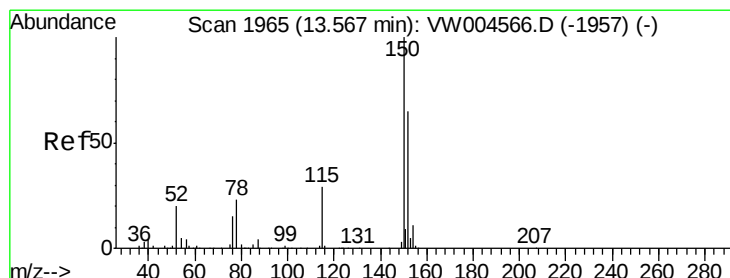
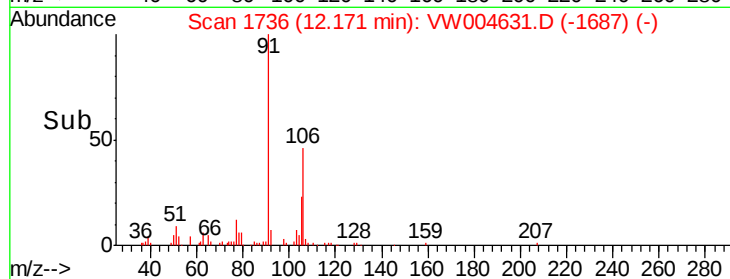
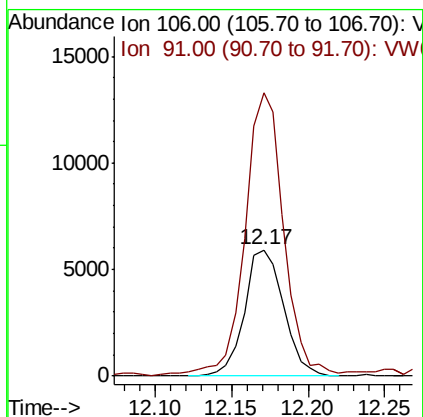
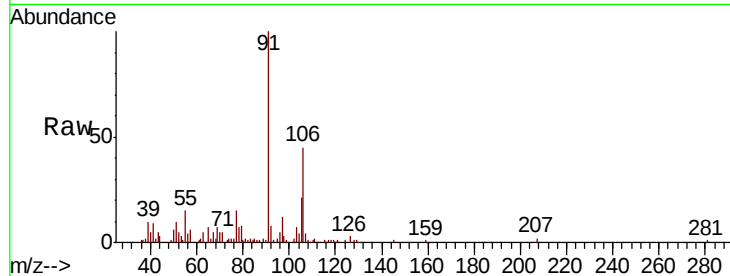




#69
o-Xylene
Concen: 2.121 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

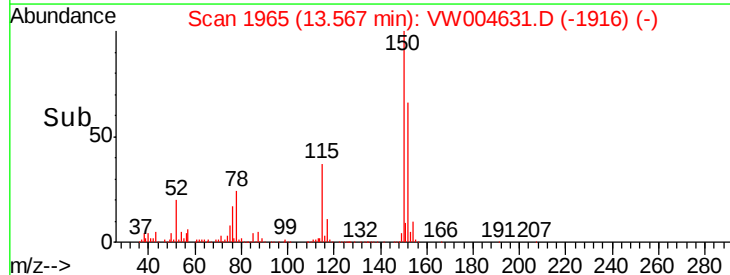
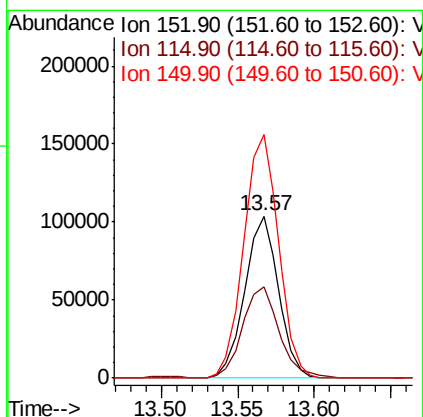
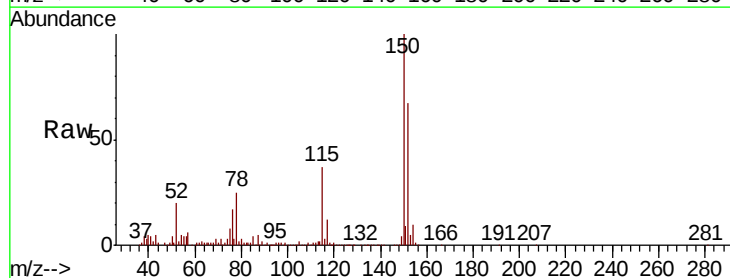
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-BRE

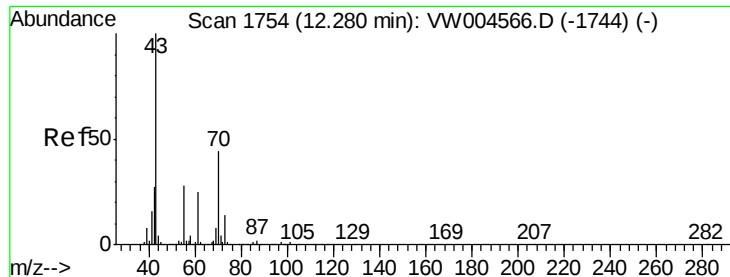
Tgt Ion:106 Resp: 10497
Ion Ratio Lower Upper
106 100
91 223.4 106.7 320.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004631.D
Acq: 11 Aug 2018 07:35

Tgt Ion:152 Resp: 158413
Ion Ratio Lower Upper
152 100
115 61.5 29.1 87.3
150 155.9 0.0 349.6





#74

N-ethyl acetate

Concen: 2.375 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-BRE

Tgt Ion: 43 Resp: 6311

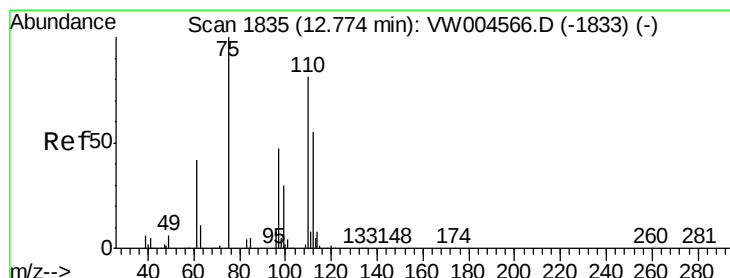
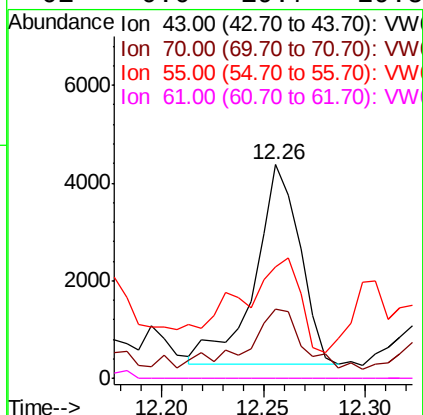
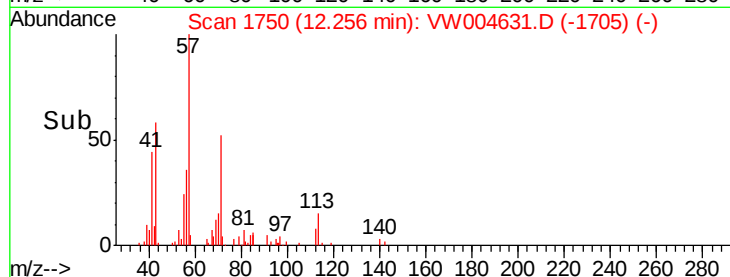
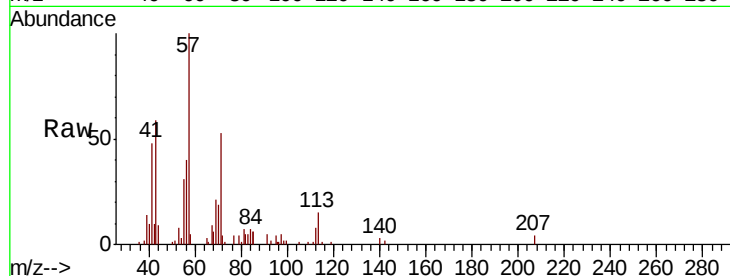
Ion Ratio Lower Upper

43 100

70 37.1 35.3 52.9

55 61.4 22.9 34.3#

61 0.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 44.013 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004631.D

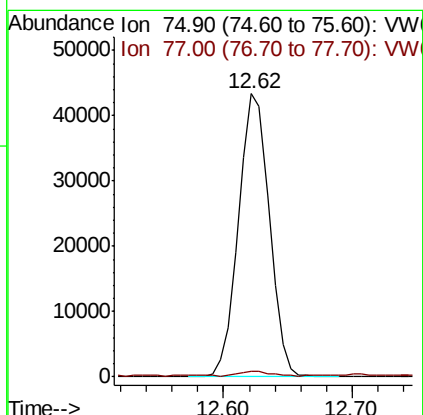
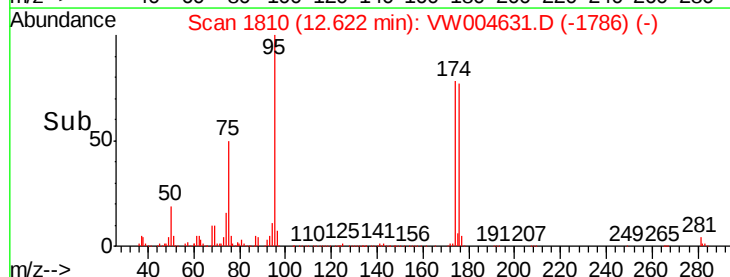
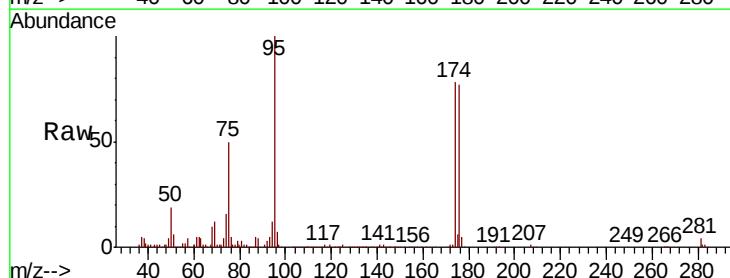
Acq: 11 Aug 2018 07:35

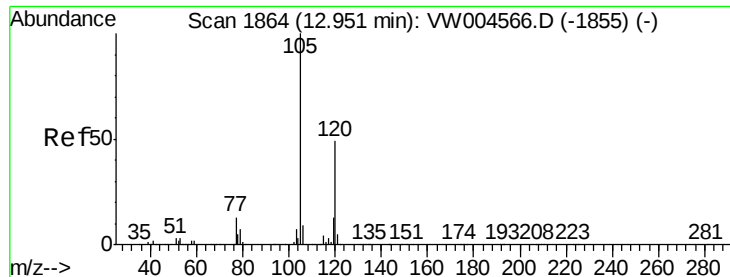
Tgt Ion: 75 Resp: 72148

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

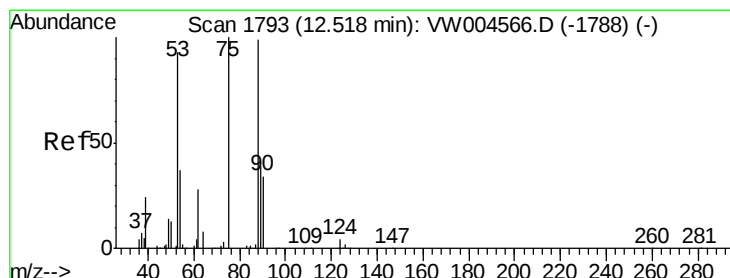
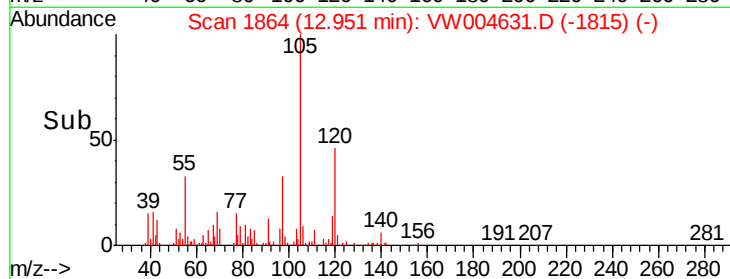
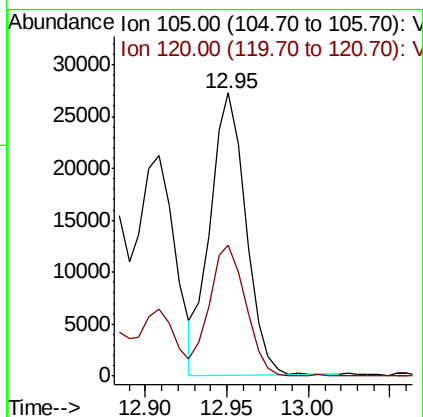
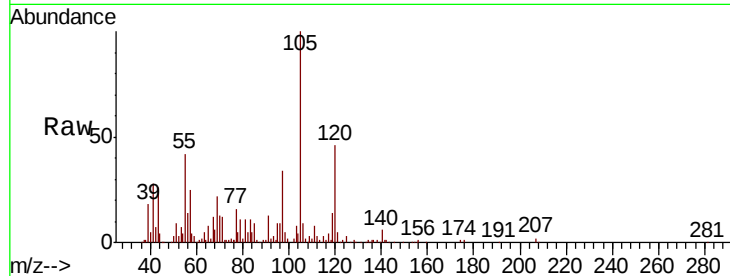




#80
 1,3,5-Trimethylbenzene
 Concen: 4.431 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

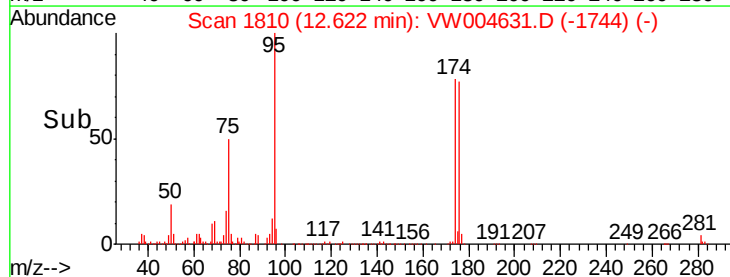
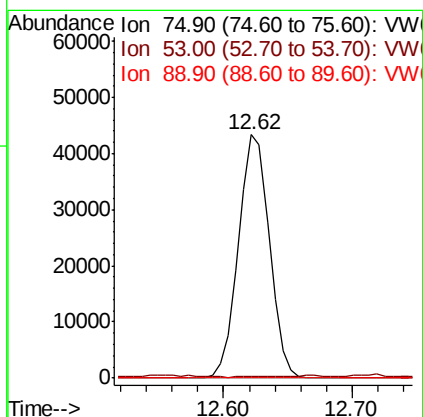
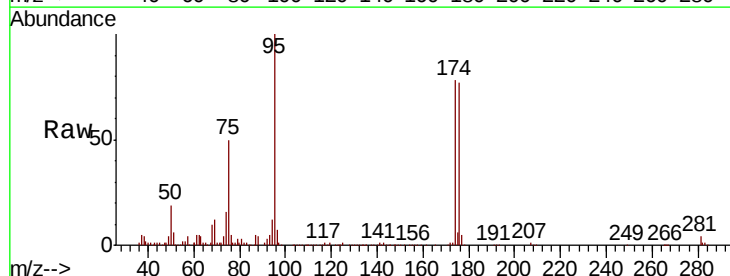
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-BRE

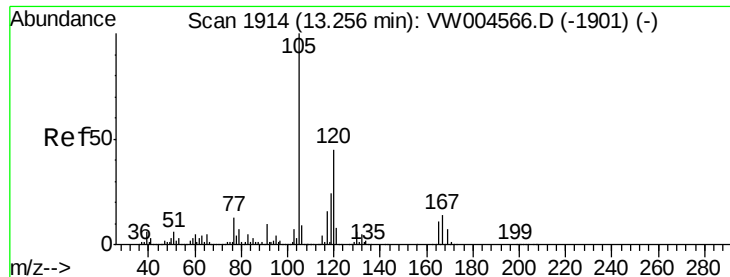
Tgt Ion: 105 Resp: 41413
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.363 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

Tgt Ion: 75 Resp: 72148
 Ion Ratio Lower Upper
 75 100
 53 0.5 74.4 111.6#
 89 0.1 35.9 53.9#





#84

1,2,4-Trimethylbenzene

Concen: 3.196 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

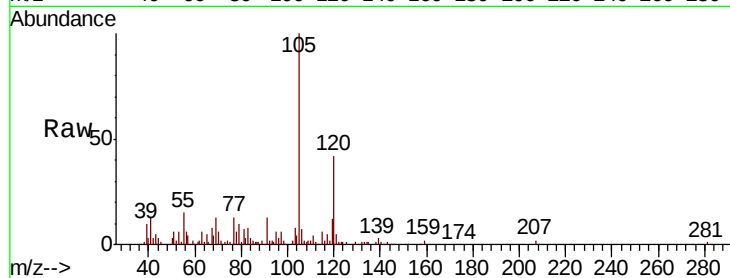
JC-03-080918-BRE

Tgt Ion:105 Resp: 30929

Ion Ratio Lower Upper

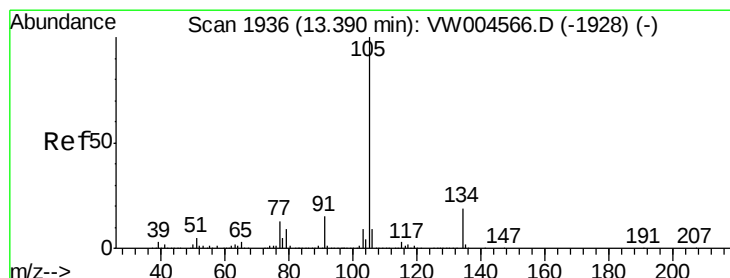
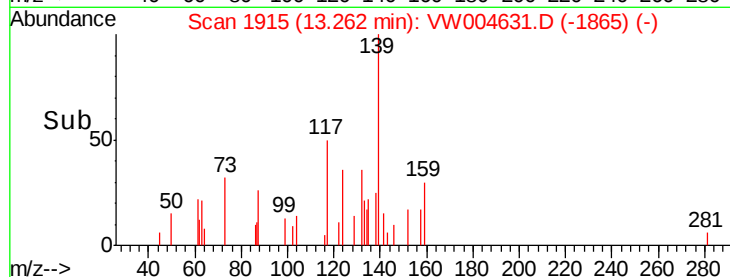
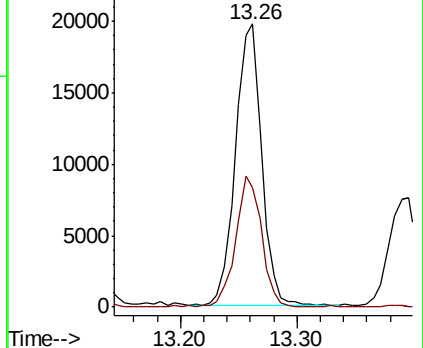
105 100

120 46.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.062 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VW004631.D

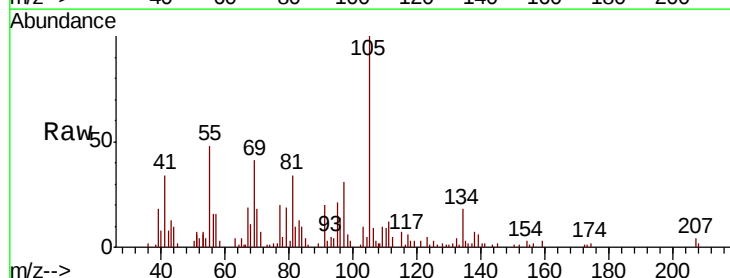
Acq: 11 Aug 2018 07:35

Tgt Ion:105 Resp: 12563

Ion Ratio Lower Upper

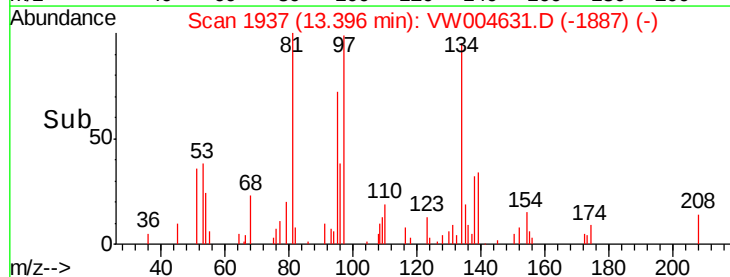
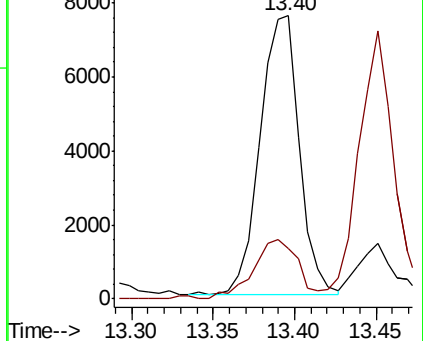
105 100

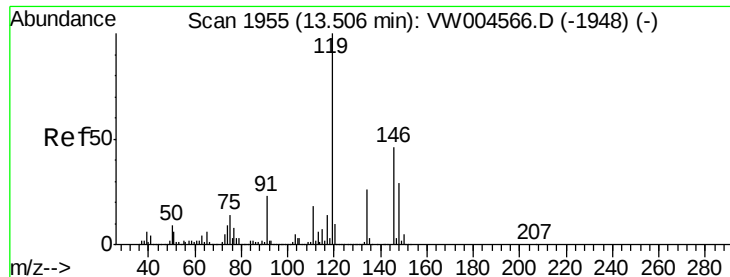
134 24.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

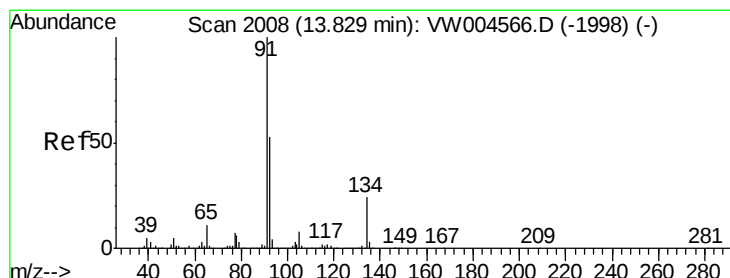
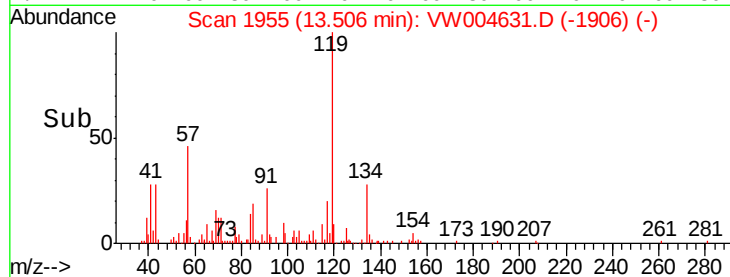
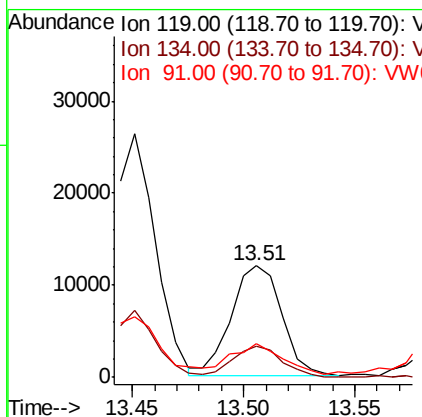
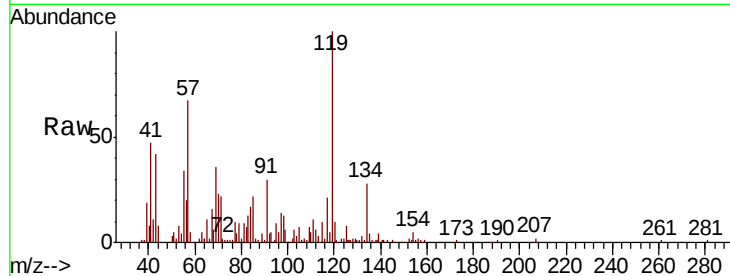




#86
 p-Isopropyltoluene
 Concen: 1.855 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

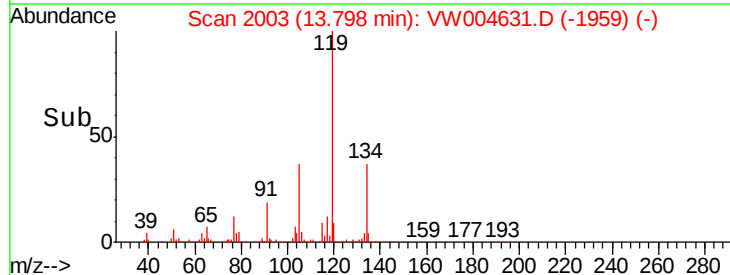
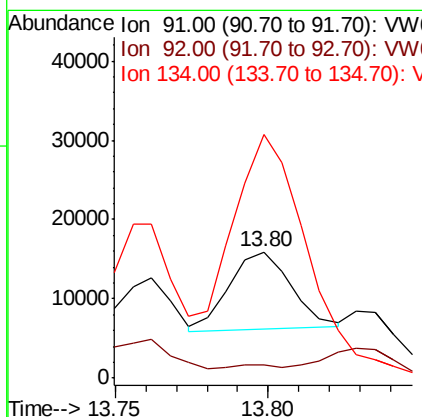
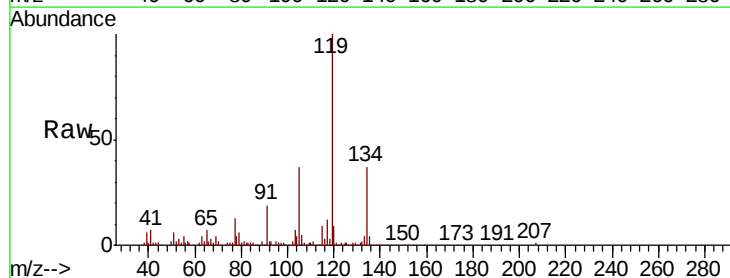
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-BRE

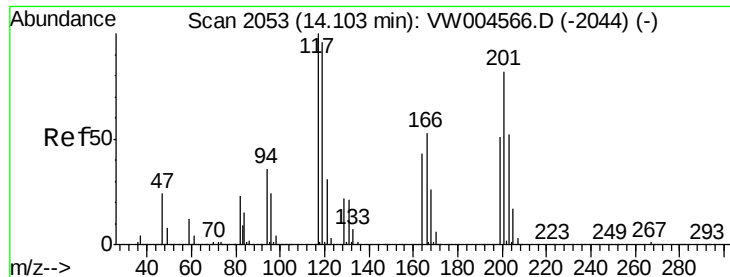
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.1	39.1
91	26.9	11.4	34.1



#89
 n-Butylbenzene
 Concen: 1.376 ug/l
 RT: 13.80 min Scan# 2003
 Delta R.T. -0.03 min
 Lab File: VW004631.D
 Acq: 11 Aug 2018 07:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.4	79.0#
134	392.9	12.4	37.2#





#90

Hexachloroethane

Concen: 8.555 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

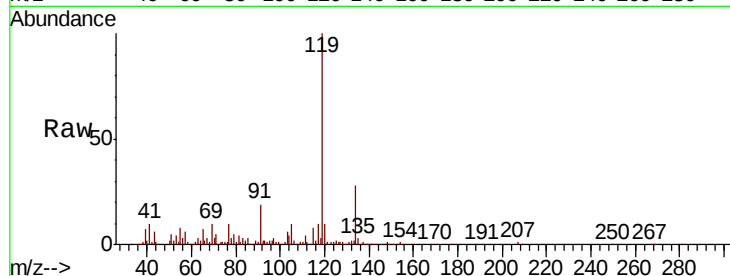
JC-03-080918-BRE

Tgt Ion:117 Resp: 16223

Ion Ratio Lower Upper

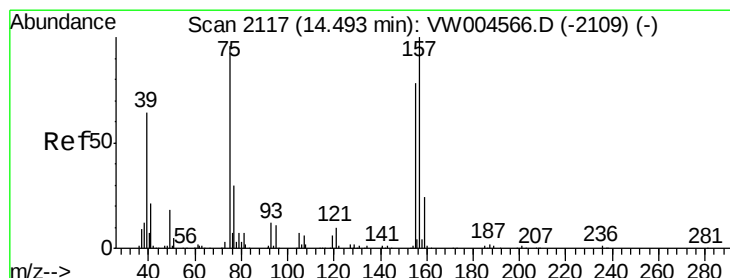
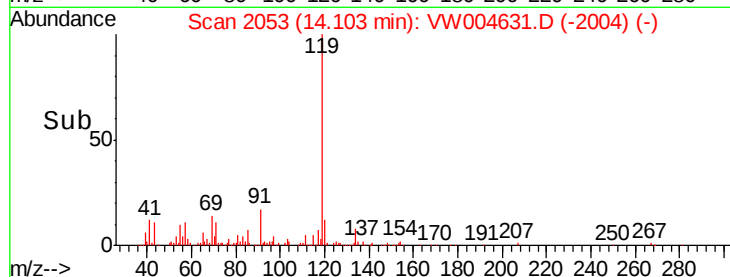
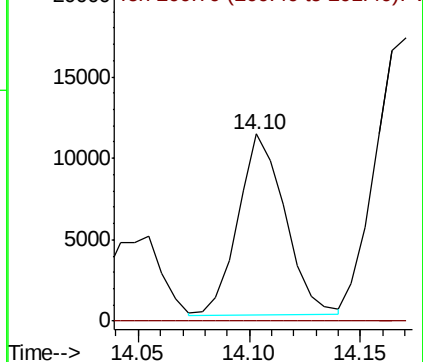
117 100

201 0.0 40.1 120.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.299 ug/l

RT: 14.47 min Scan# 2113

Delta R.T. -0.02 min

Lab File: VW004631.D

Acq: 11 Aug 2018 07:35

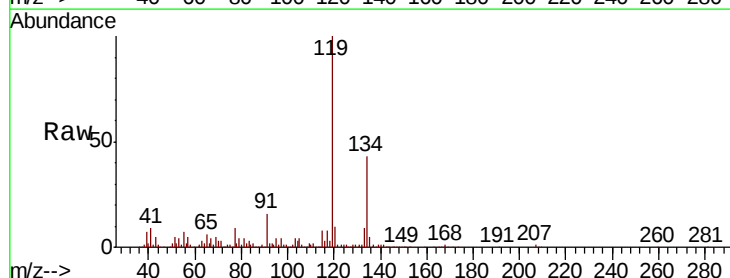
Tgt Ion: 75 Resp: 1233

Ion Ratio Lower Upper

75 100

155 0.0 41.3 123.7#

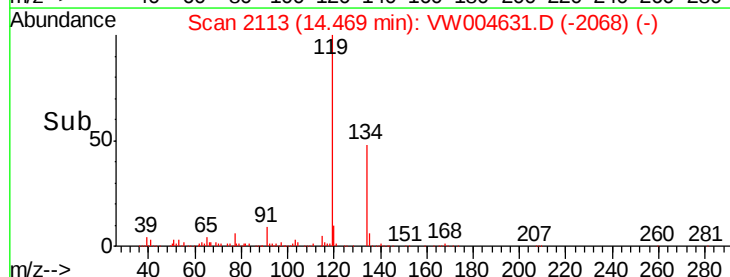
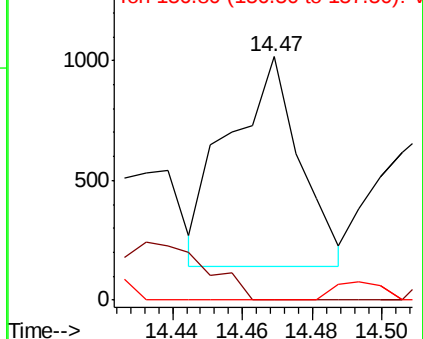
157 0.0 52.6 157.8#

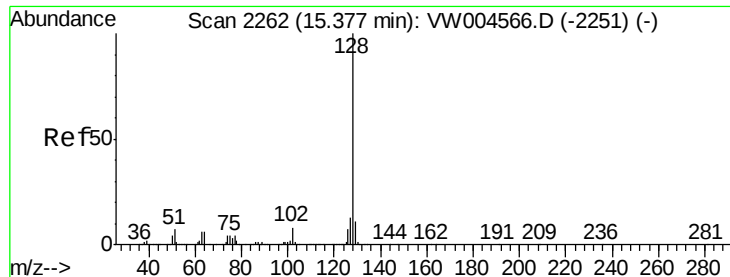


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.598 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004631.D

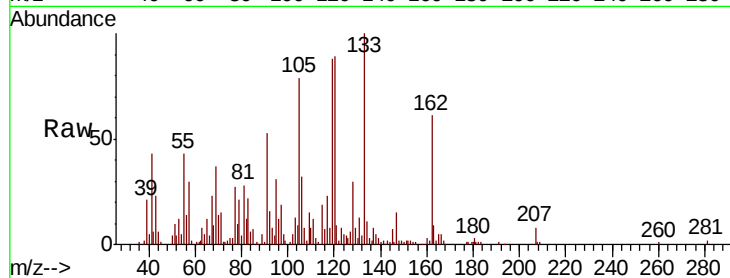
Acq: 11 Aug 2018 07:35

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-BRE



Tgt Ion:128 Resp: 5137

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

