

Data File : VW004755.D
Acq On : 18 Aug 2018 01:22
Operator : SY/AP
Sample : J4460-14RE
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-014RE

Quant Time: Aug 18 02:42:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	500385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	807935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	670601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	239820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	295009	60.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.96%	
35) Dibromofluoromethane	7.88	113	284399	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.33	98	894294	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
62) 4-Bromofluorobenzene	12.62	95	232706	32.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.18%	

Target Compounds

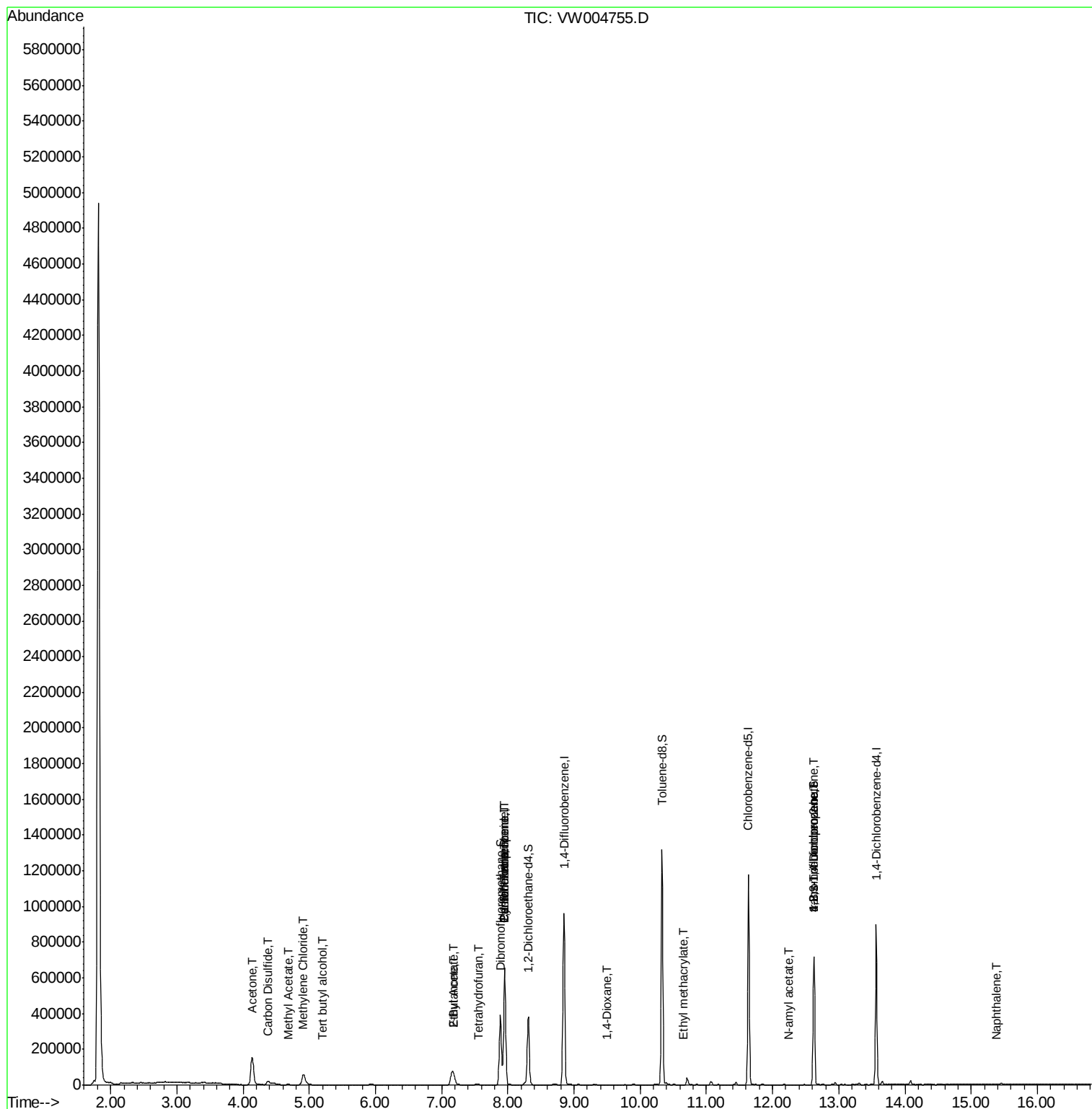
						Qvalue
11) Tert butyl alcohol	5.20	59	800	2.960	ug/l #	72
16) Acetone	4.14	43	289455	234.386	ug/l	98
17) Carbon Disulfide	4.37	76	48664	2.872	ug/l	96
18) Methyl Acetate	4.68	43	3560	1.345	ug/l	95
20) Methylene Chloride	4.91	84	54475	5.850	ug/l	96
25) 2-Butanone	7.18	43	77296	43.929	ug/l	100
29) Tetrahydrofuran	7.56	42	1157	1.289	ug/l #	33
31) Cyclohexane	7.95	56	10073	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	38507	4.626	ug/l #	49
37) Ethyl Acetate	7.18	43	77296	23.297	ug/l #	68
38) Carbon Tetrachloride	7.95	117	46603	6.083	ug/l #	16
49) 1,4-Dioxane	9.49	88	45	1.051	ug/l #	21
56) Ethyl methacrylate	10.65	69	20	2.984	ug/l #	1
74) N-amyl acetate	12.24	43	451	4.128	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	111566	52.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	111566	122.659	ug/l #	14
95) Naphthalene	15.38	128	1261	3.626	ug/l #	78

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

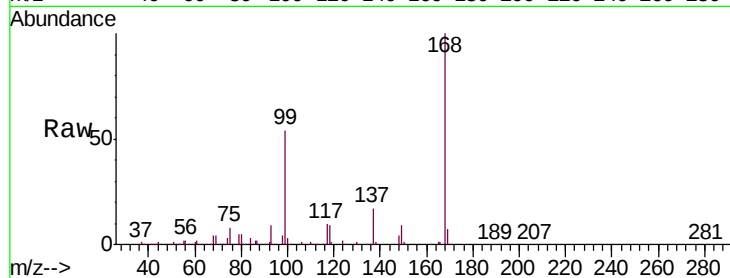
RA-081018-FL-014RE

Tgt Ion:168 Resp: 500385

Ion Ratio Lower Upper

168 100

99 53.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

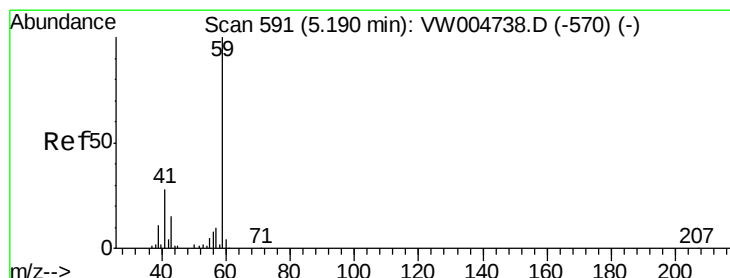
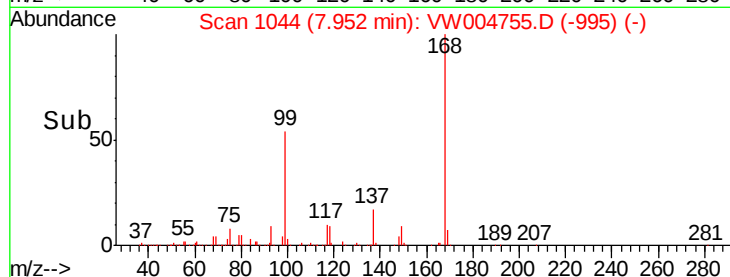
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.960 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004755.D

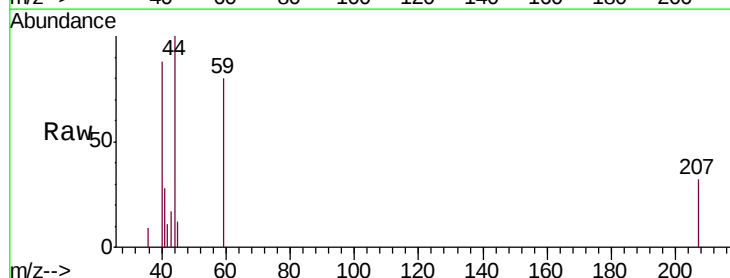
Acq: 18 Aug 2018 01:22

Tgt Ion: 59 Resp: 800

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

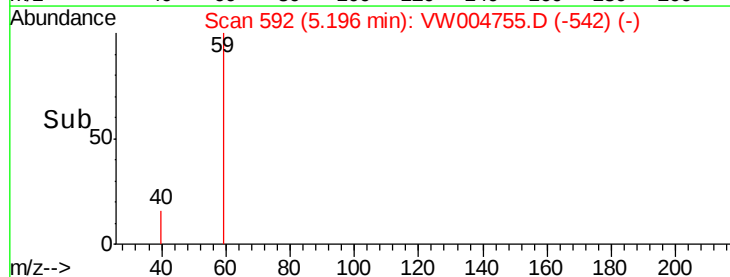
300

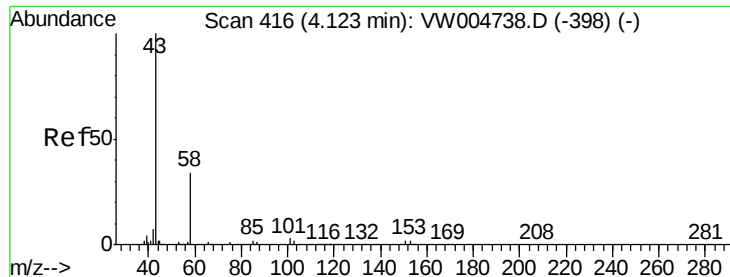
200

100

0

Time-->





#16

Acetone

Concen: 234.386 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

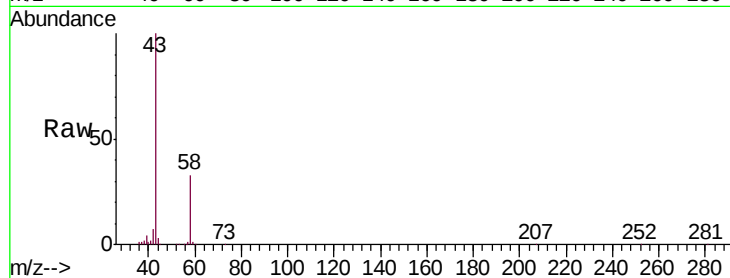
RA-081018-FL-014RE

Tgt Ion: 43 Resp: 289455

Ion Ratio Lower Upper

43 100

58 33.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

100000

80000

60000

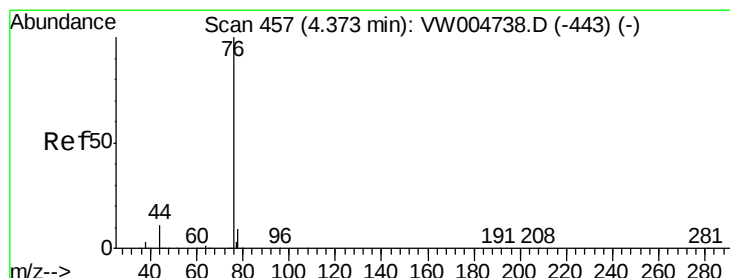
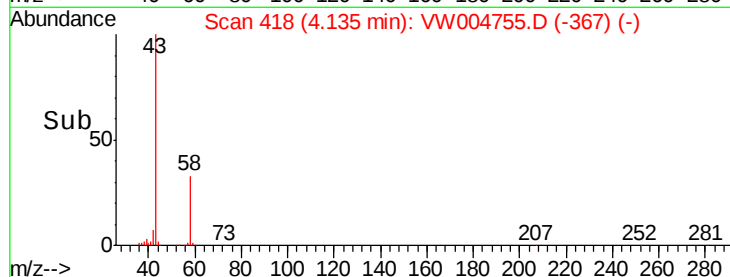
40000

20000

0

Time-->

4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 2.872 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004755.D

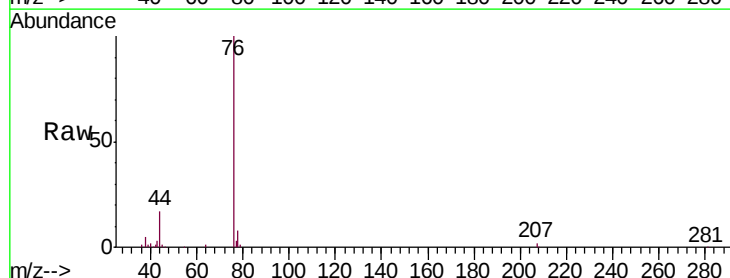
Acq: 18 Aug 2018 01:22

Tgt Ion: 76 Resp: 48664

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

15000

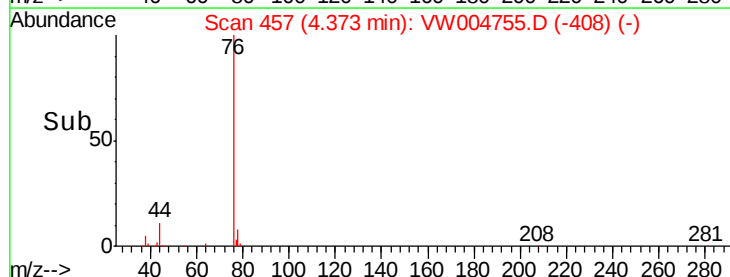
10000

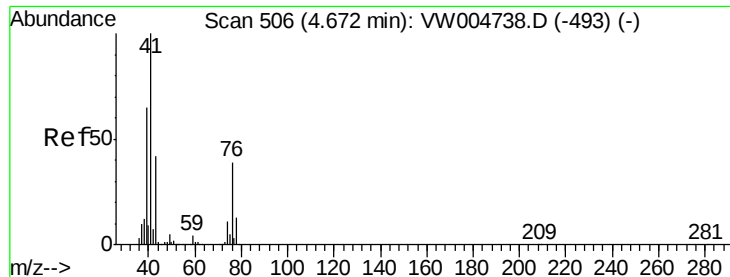
5000

0

Time-->

4.30 4.40 4.50

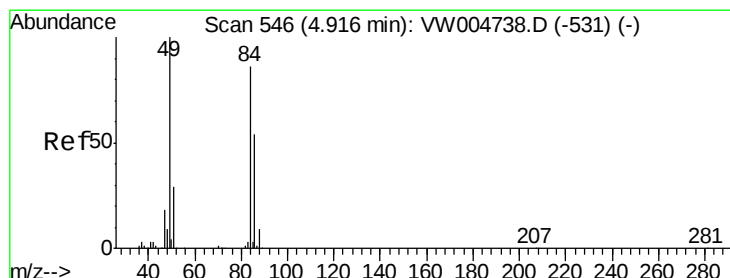
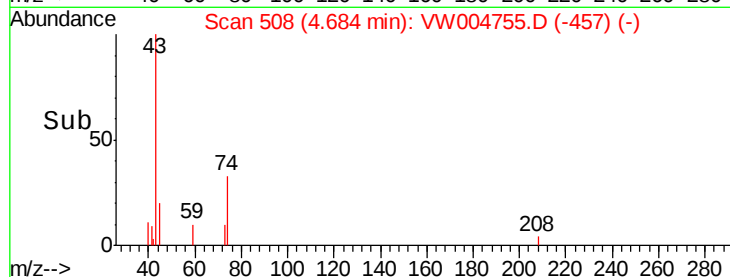
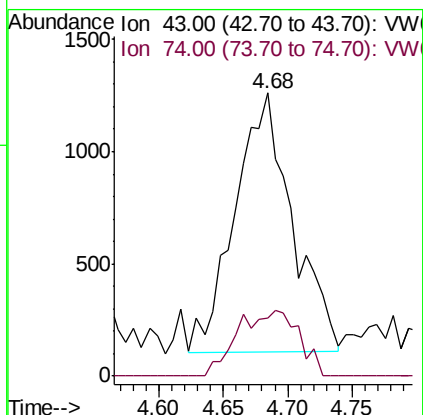
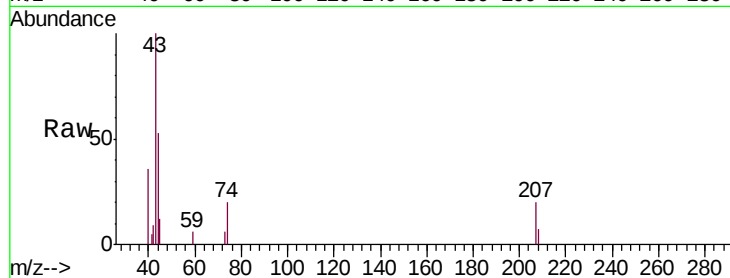




#18
Methyl Acetate
Concen: 1.345 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

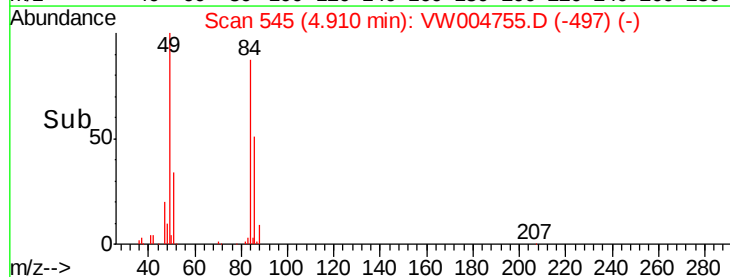
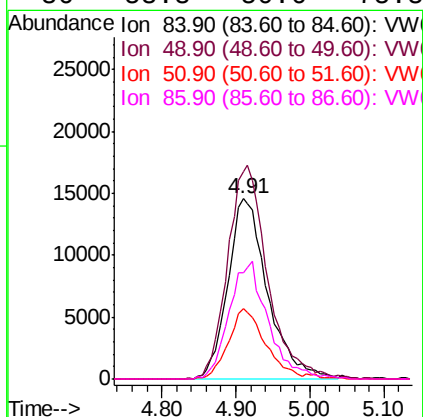
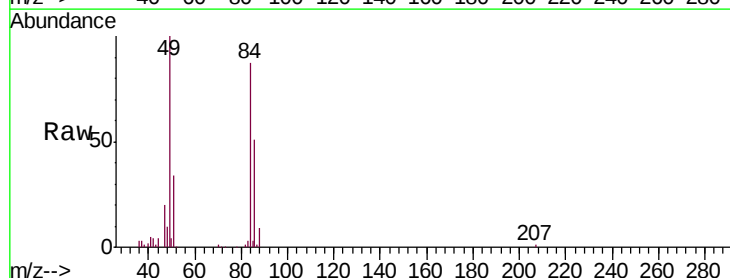
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-014RE

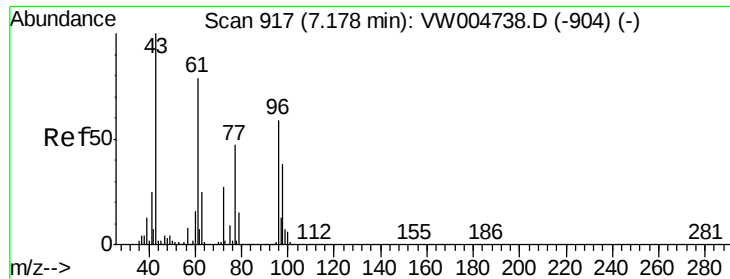
Tgt Ion: 43 Resp: 3560
Ion Ratio Lower Upper
43 100
74 27.1 19.8 29.8



#20
Methylene Chloride
Concen: 5.850 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

Tgt Ion: 84 Resp: 54475
Ion Ratio Lower Upper
84 100
49 114.9 93.2 139.8
51 39.0 27.4 41.0
86 58.8 50.6 75.8

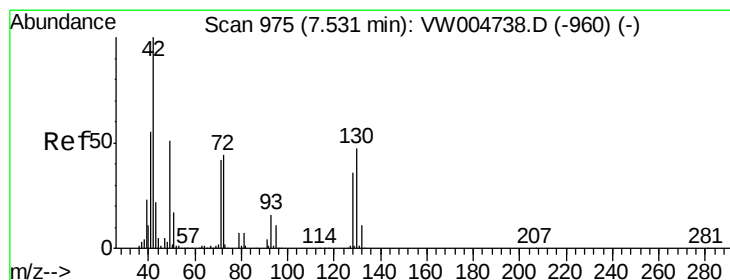
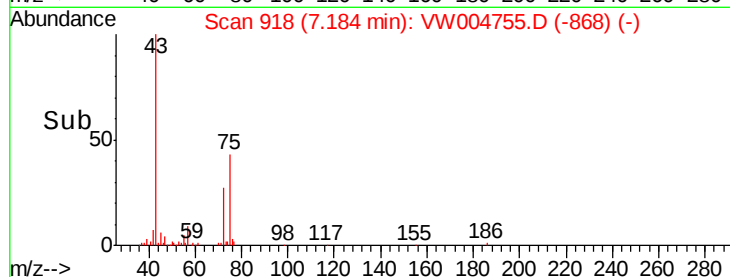
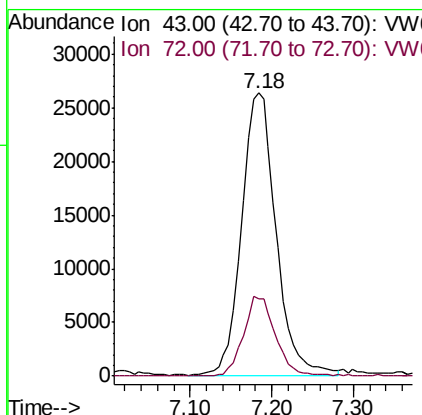
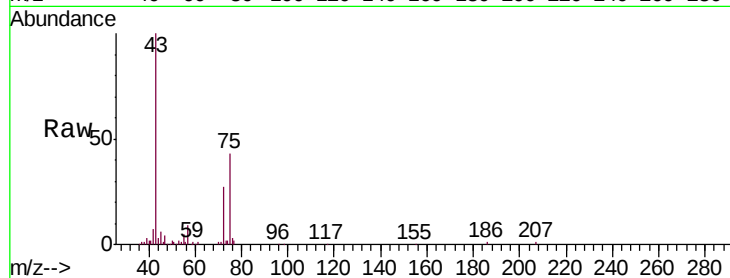




#25
2-Butanone
Concen: 43.929 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

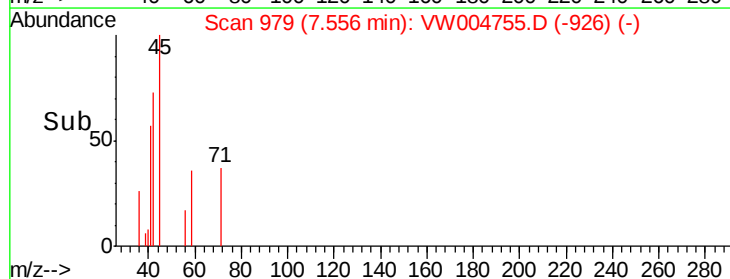
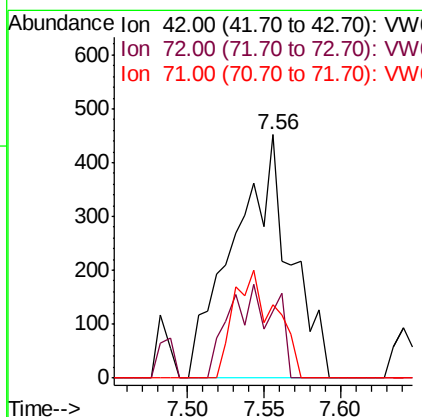
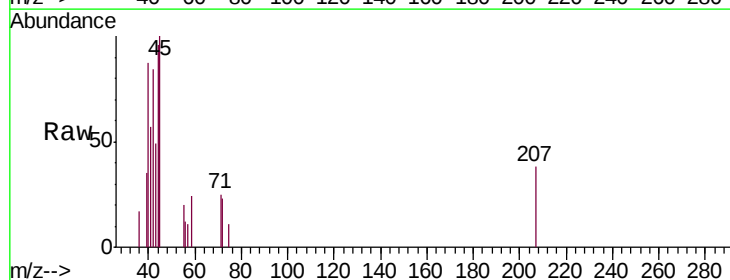
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-014RE

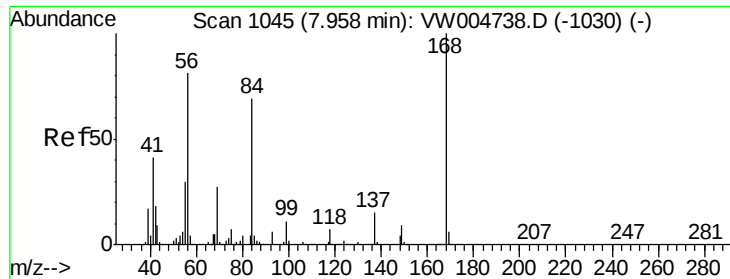
Tgt Ion: 43 Resp: 77296
Ion Ratio Lower Upper
43 100
72 27.3 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.289 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

Tgt Ion: 42 Resp: 1157
Ion Ratio Lower Upper
42 100
72 0.0 34.9 52.3#
71 0.0 33.8 50.6#

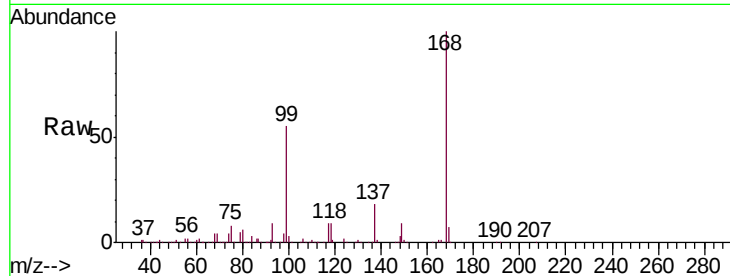




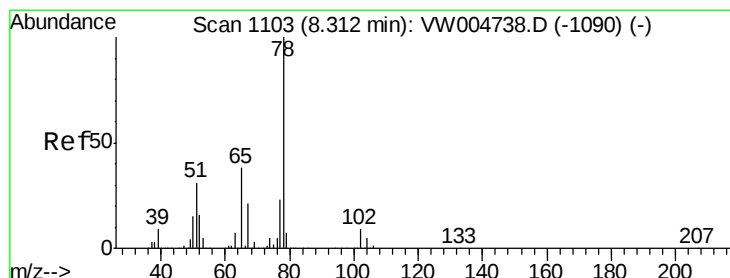
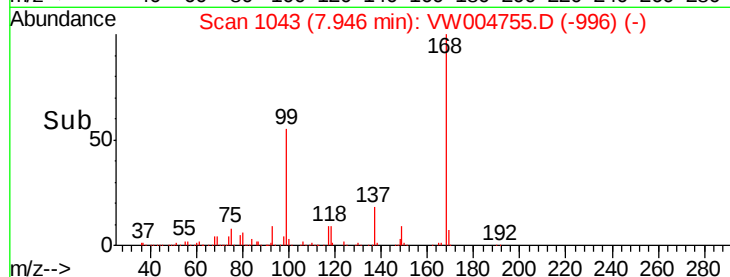
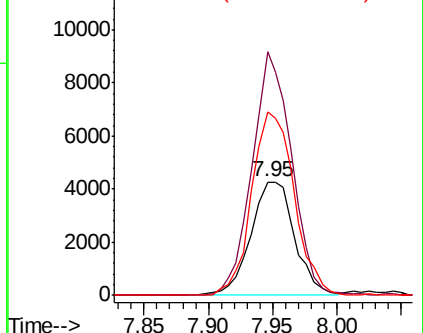
#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-014RE

Tgt Ion: 56 Resp: 10073
Ion Ratio Lower Upper
56 100
69 214.4 27.1 40.7#
84 161.8 68.3 102.5#

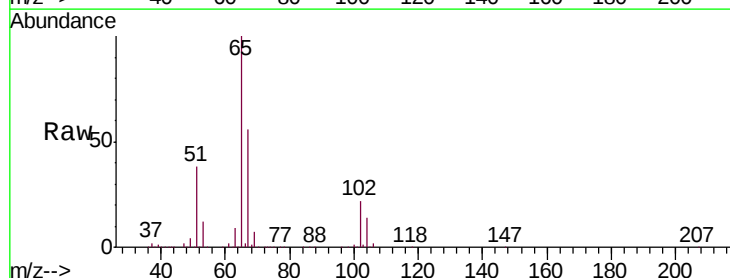


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

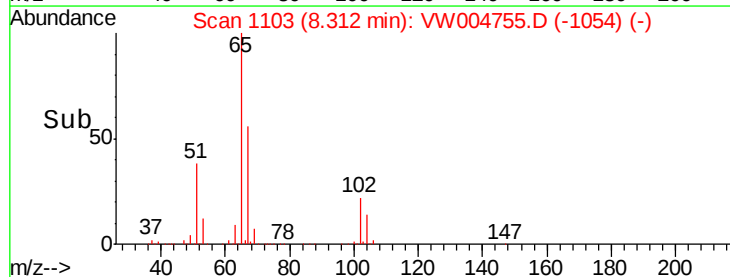
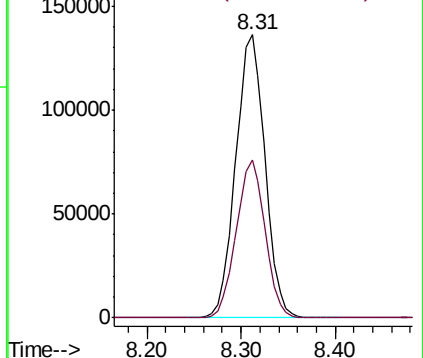


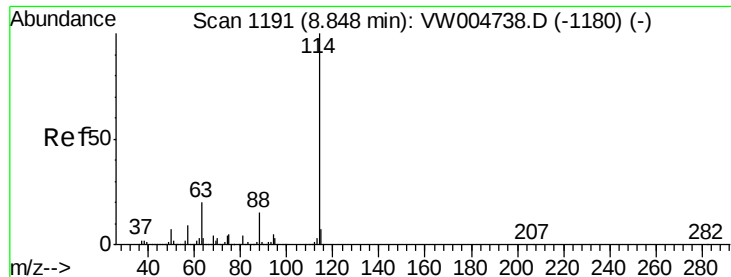
#33
1,2-Dichloroethane-d4
Concen: 60.981 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

Tgt Ion: 65 Resp: 295009
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-014RE

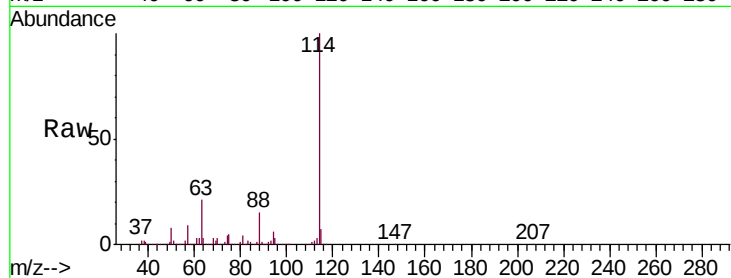
Tgt Ion:114 Resp: 807935

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

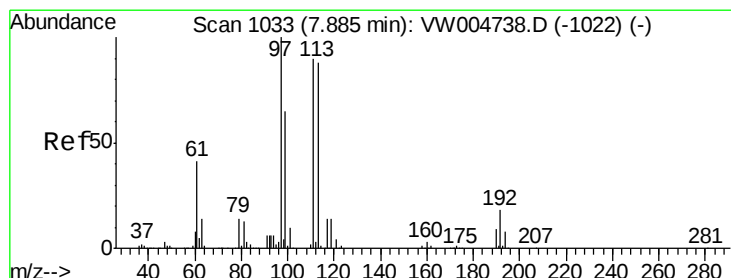
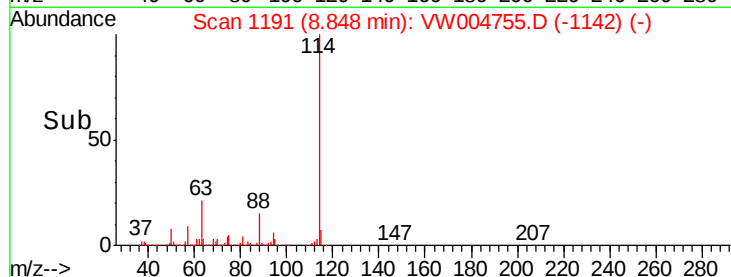
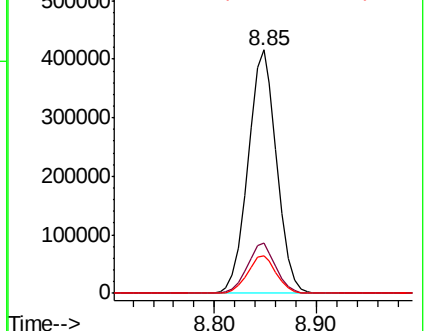
88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 55.076 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

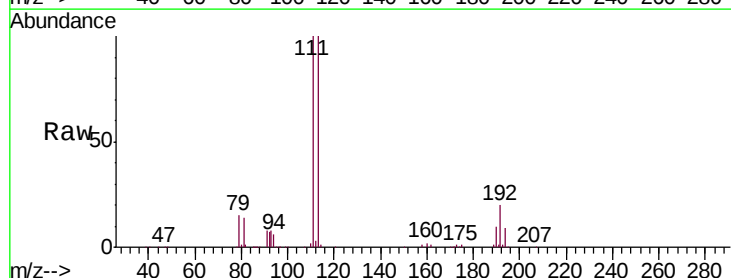
Tgt Ion:113 Resp: 284399

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

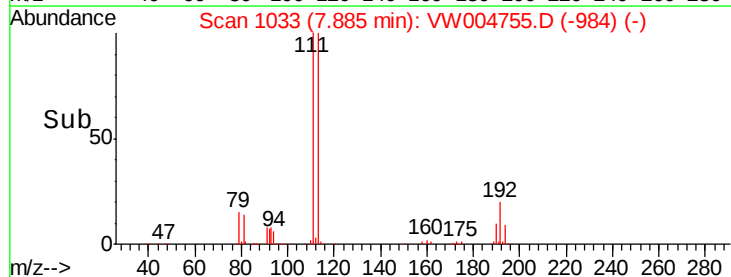
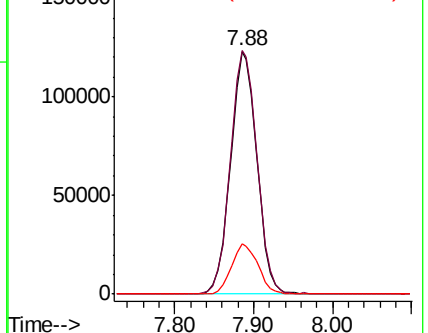
192 20.7 16.7 25.1

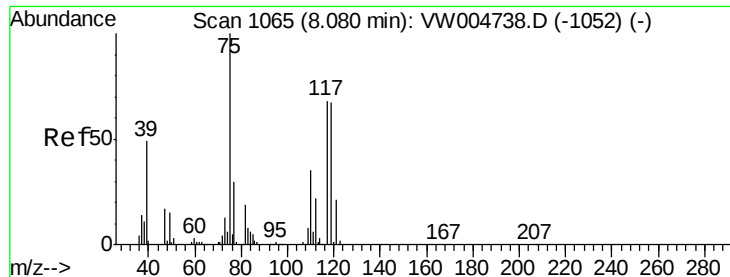


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-014RE

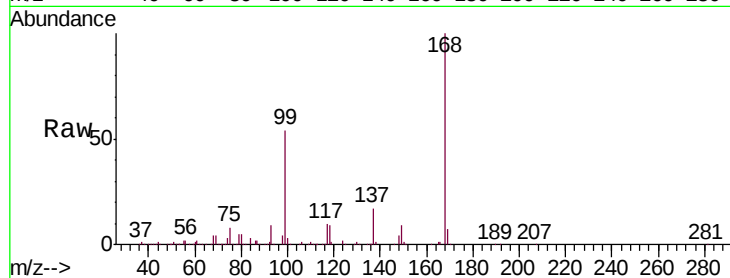
Tgt Ion: 75 Resp: 38507

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.5#

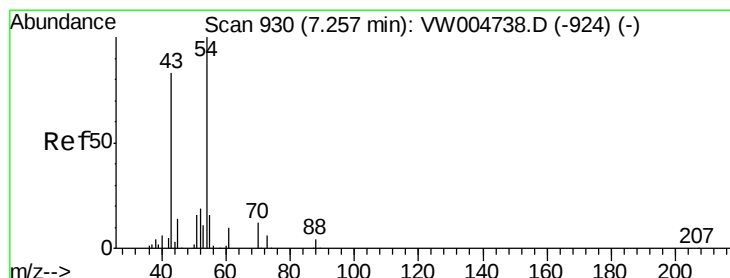
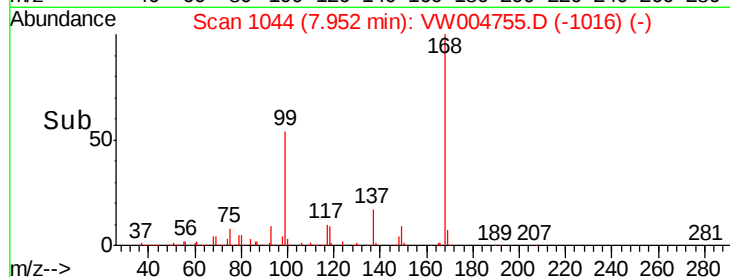
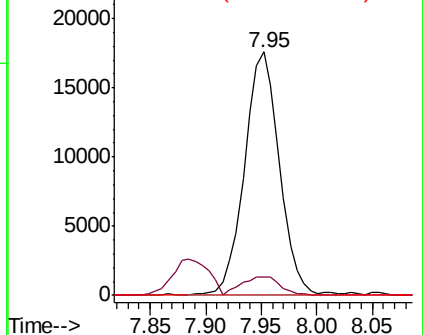
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 23.297 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

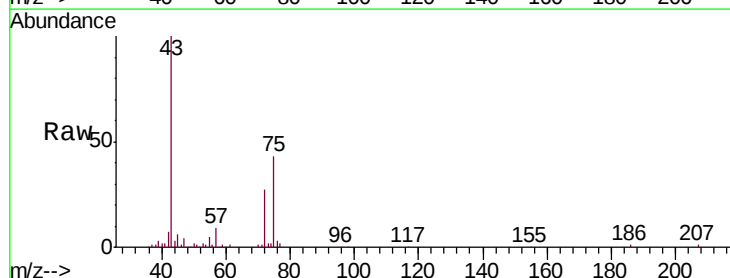
Tgt Ion: 43 Resp: 77296

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

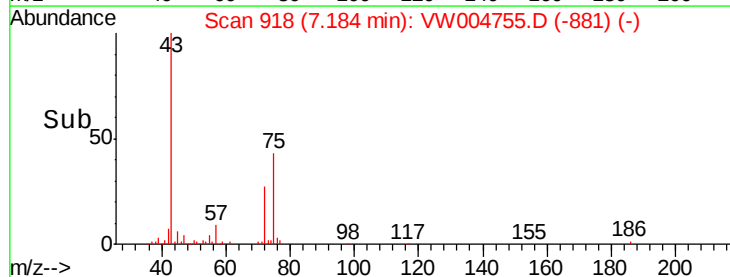
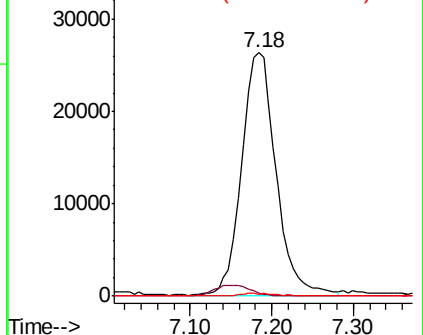
70 1.1 9.2 13.8#

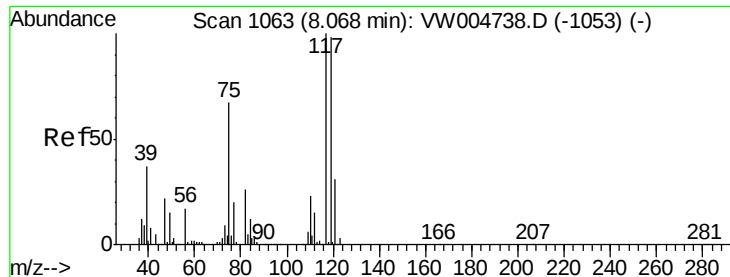


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-014RE

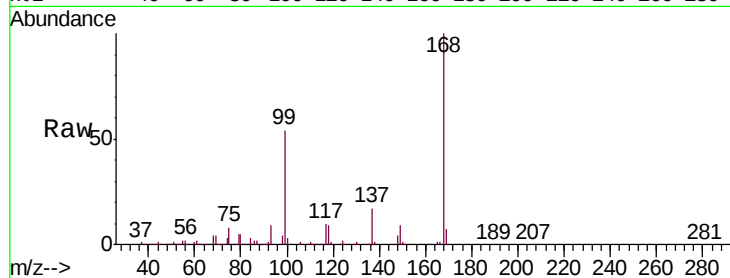
Tgt Ion: 117 Resp: 46603

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

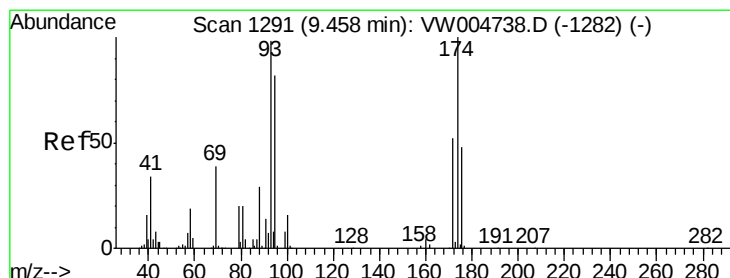
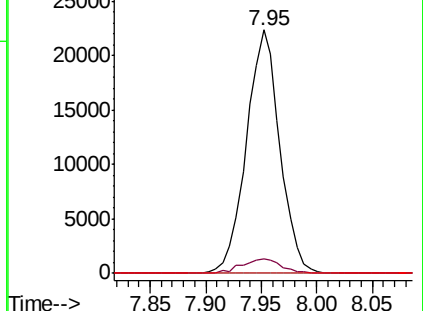
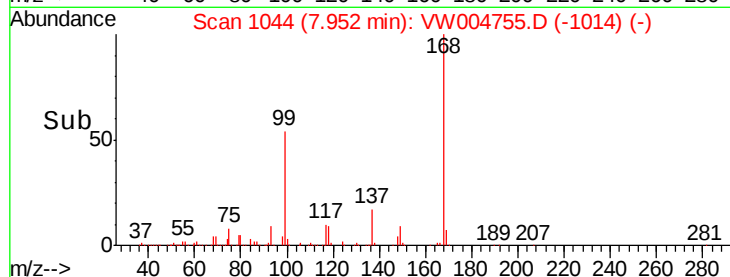
121 0.0 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.051 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.04 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

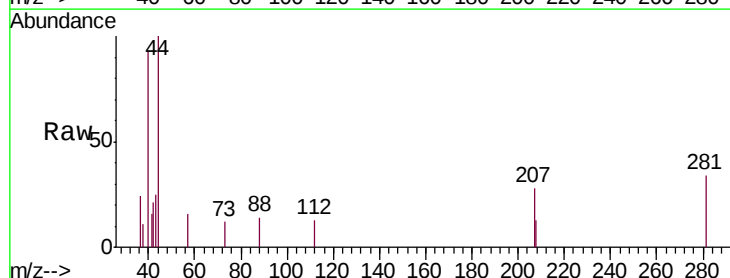
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

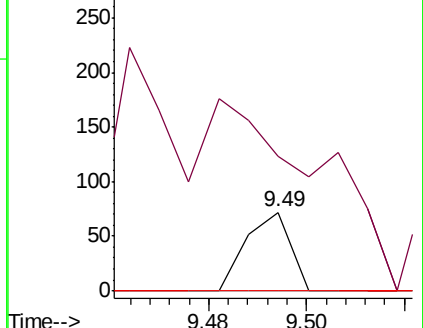
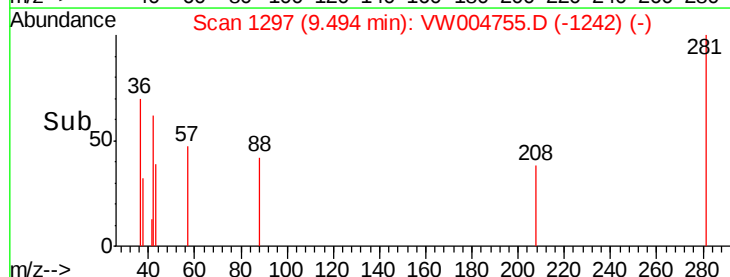
58 0.0 60.0 90.0#

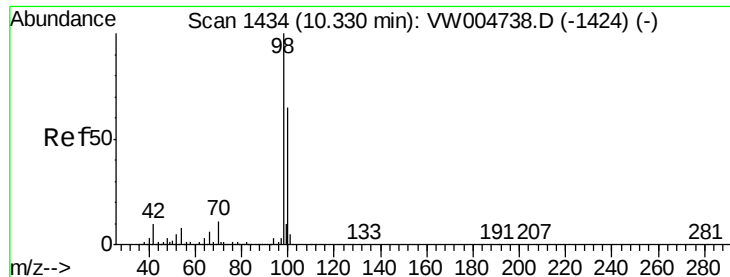


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 44.366 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

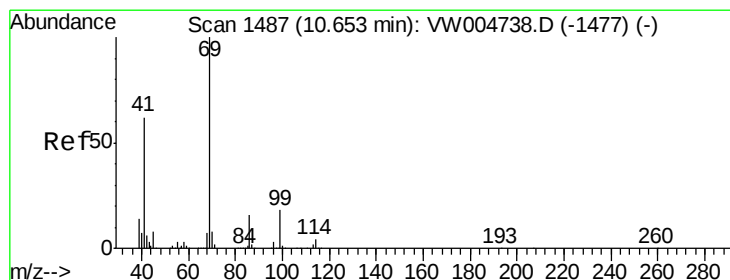
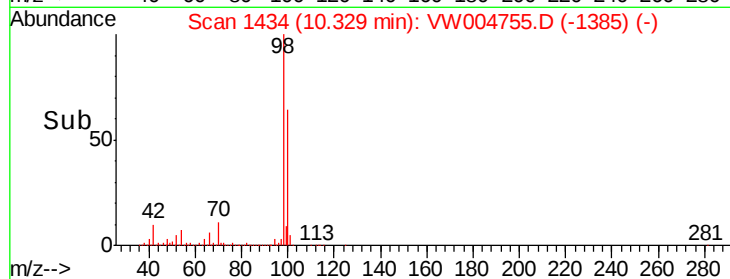
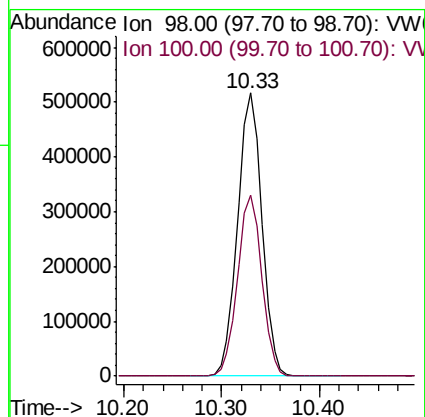
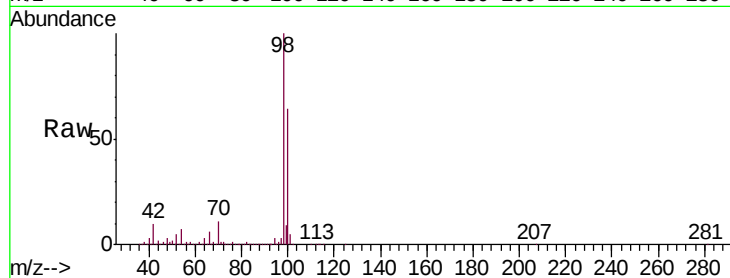
RA-081018-FL-014RE

Tgt Ion: 98 Resp: 894294

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

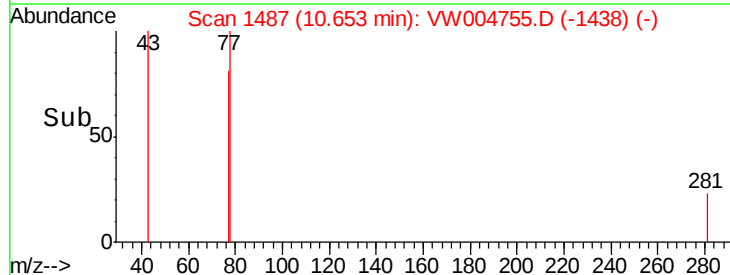
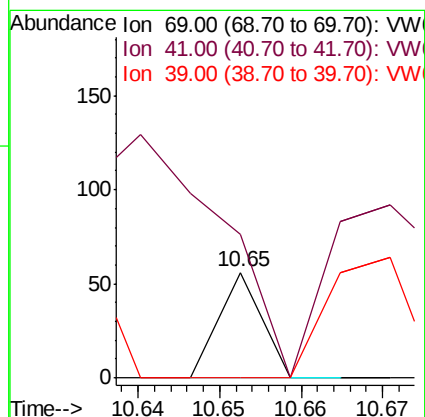
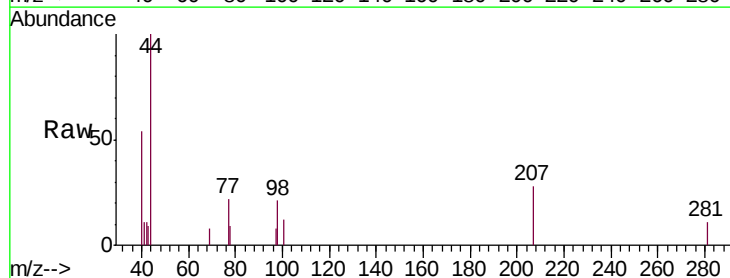
Tgt Ion: 69 Resp: 20

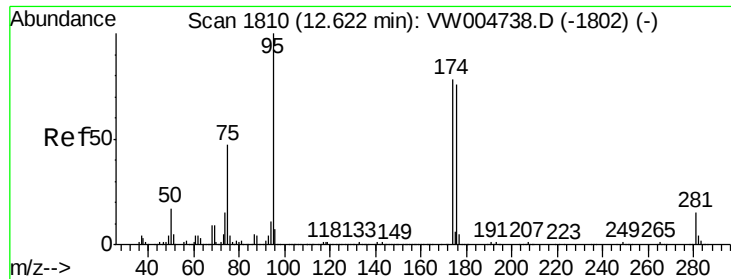
Ion Ratio Lower Upper

69 100

41 455.0 50.7 76.1#

39 220.0 21.4 32.2#

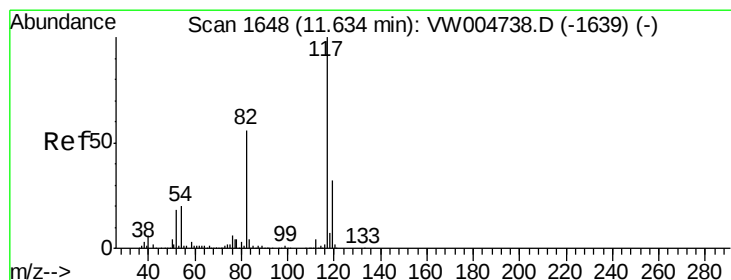
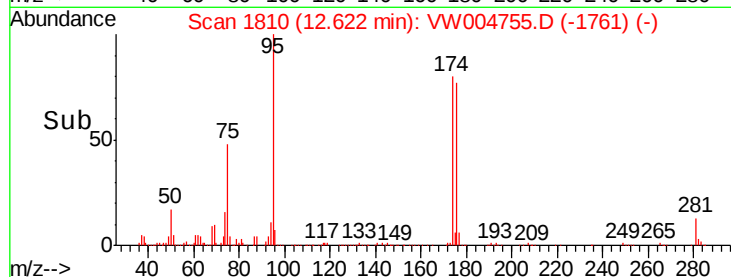
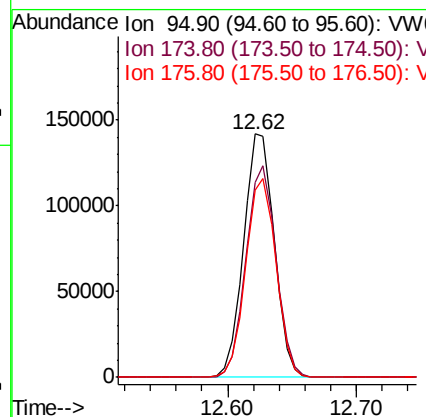
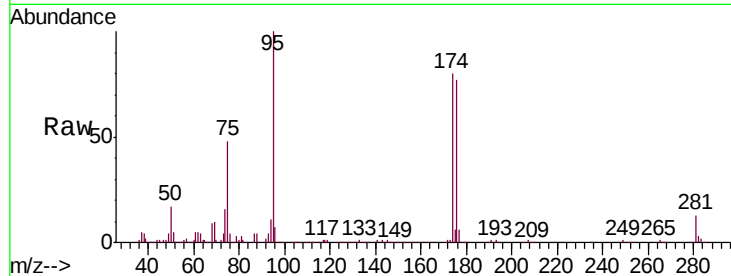




#62
4-Bromofluorobenzene
Concen: 32.089 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

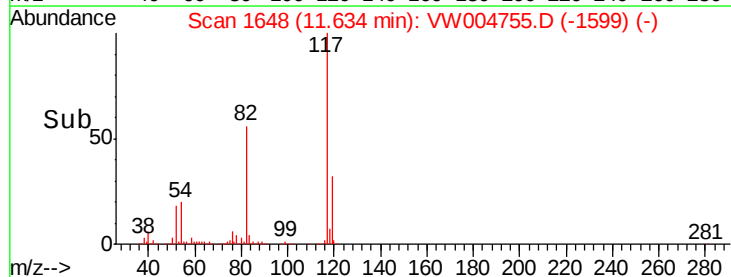
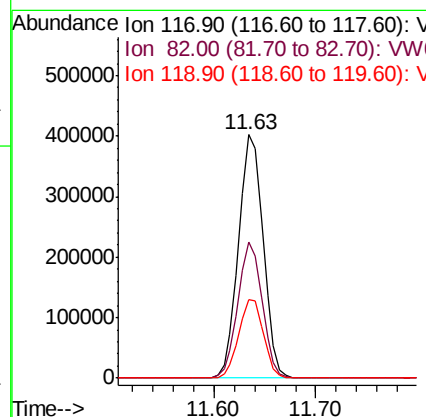
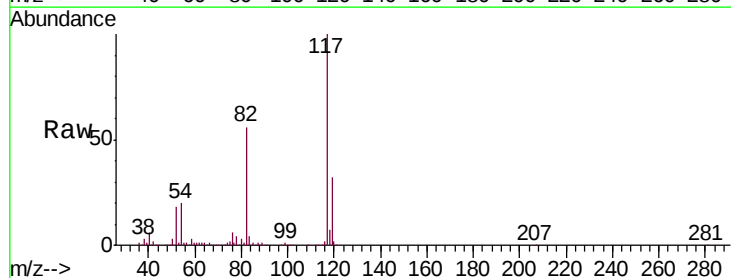
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-014RE

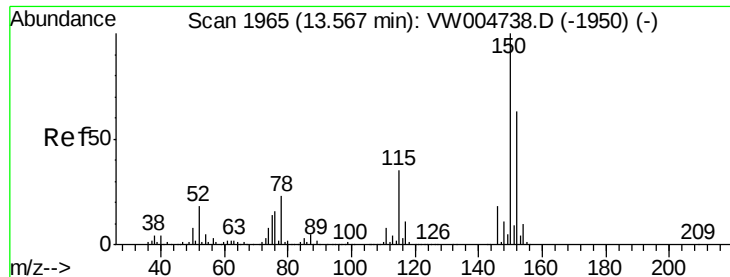
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	165.8
176	81.1	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004755.D
Acq: 18 Aug 2018 01:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	67.0
119	32.3	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-014RE

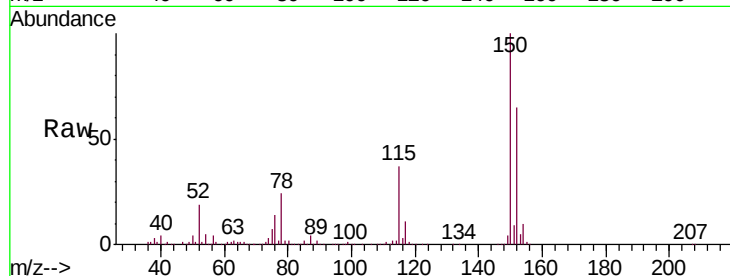
Tgt Ion:152 Resp: 239820

Ion Ratio Lower Upper

152 100

115 57.7 28.5 85.5

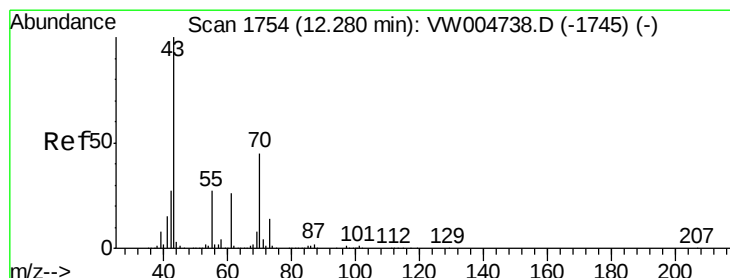
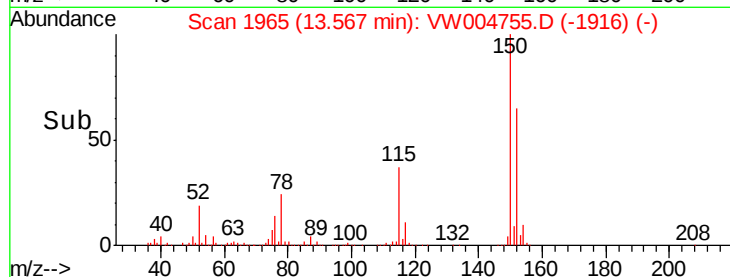
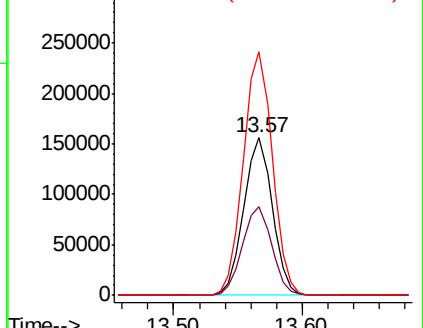
150 157.0 0.0 344.8



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



#74

N-ethyl acetate

Concen: 4.128 ug/l

RT: 12.24 min Scan# 1747

Delta R.T. -0.04 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Tgt Ion: 43 Resp: 451

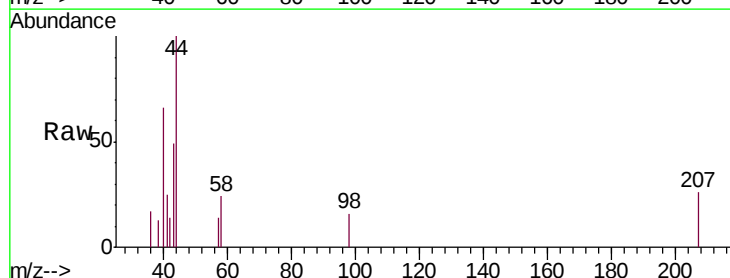
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 15.5 22.6 33.8#

61 0.0 20.2 30.4#

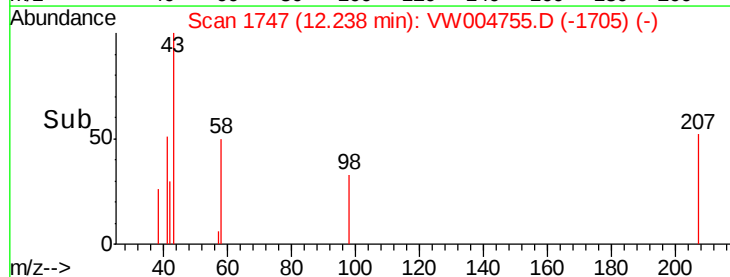
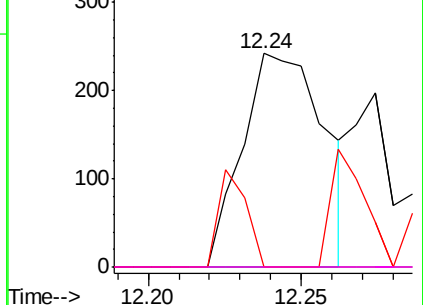


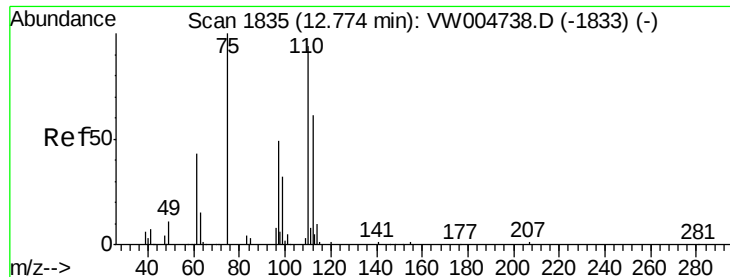
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 52.773 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

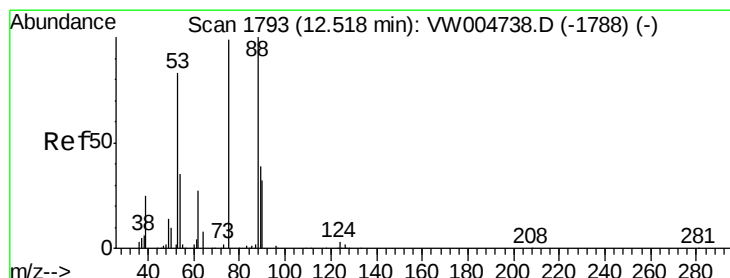
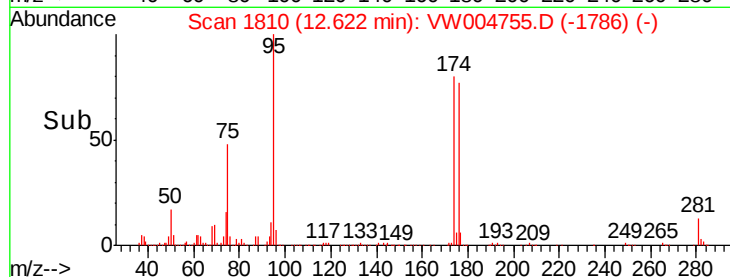
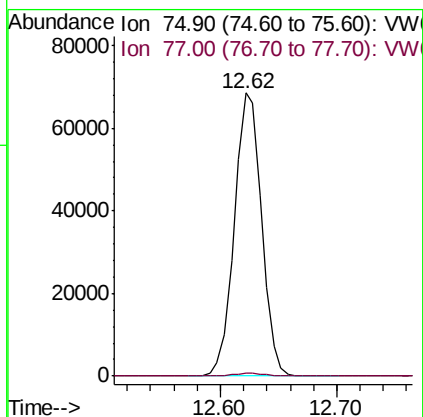
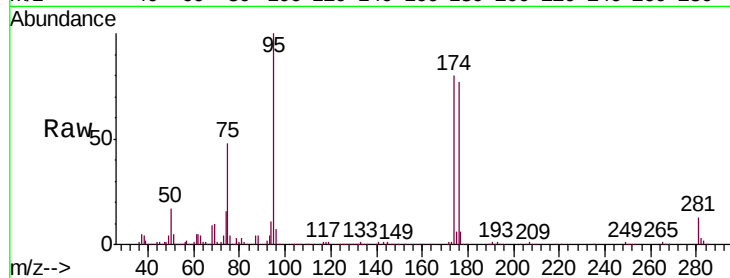
RA-081018-FL-014RE

Tgt Ion: 75 Resp: 111566

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.659 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004755.D

Acq: 18 Aug 2018 01:22

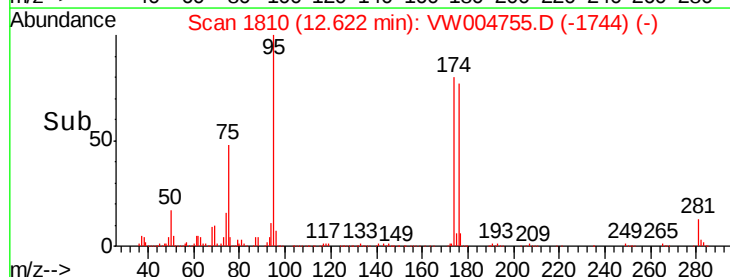
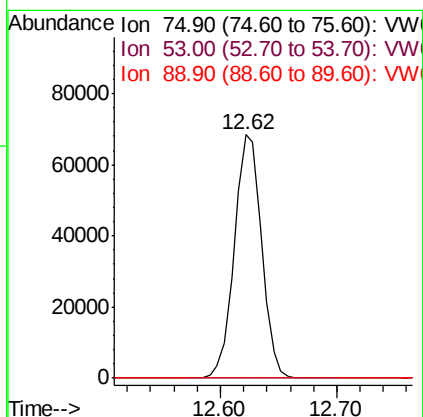
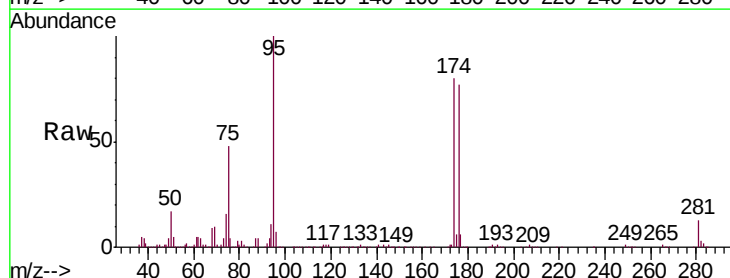
Tgt Ion: 75 Resp: 111566

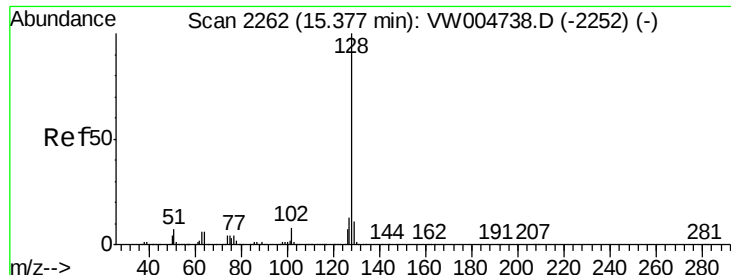
Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.626 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004755.D

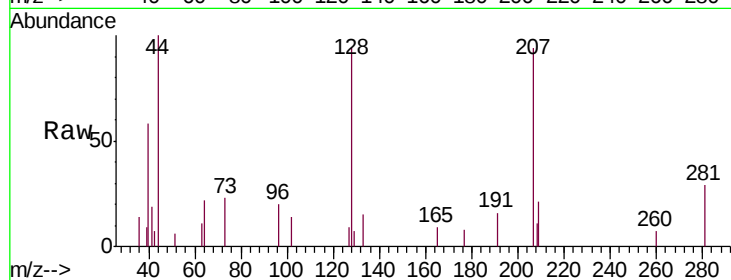
Acq: 18 Aug 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-014RE



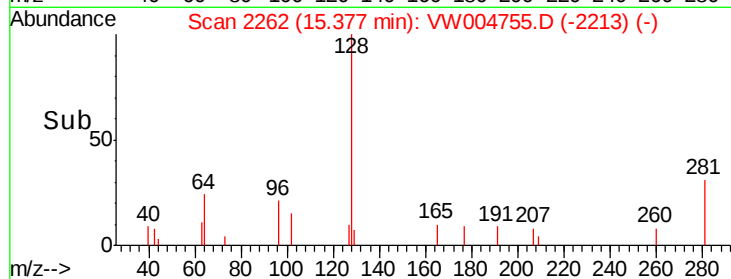
Tgt Ion:128 Resp: 1261

Ion Ratio Lower Upper

128 100

127 5.0 10.4 15.6#

129 1.6 8.6 13.0#



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

