

Data File : VW004747.D
Acq On : 17 Aug 2018 21:56
Operator : SY/AP
Sample : J4269-03
Misc : 6.60G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-B

Quant Time: Aug 18 02:40:31 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	512250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	847020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	758826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	301829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	272895	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.89	113	257507	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	10.33	98	876897	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	
62) 4-Bromofluorobenzene	12.62	95	265098	34.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.74%	

Target Compounds

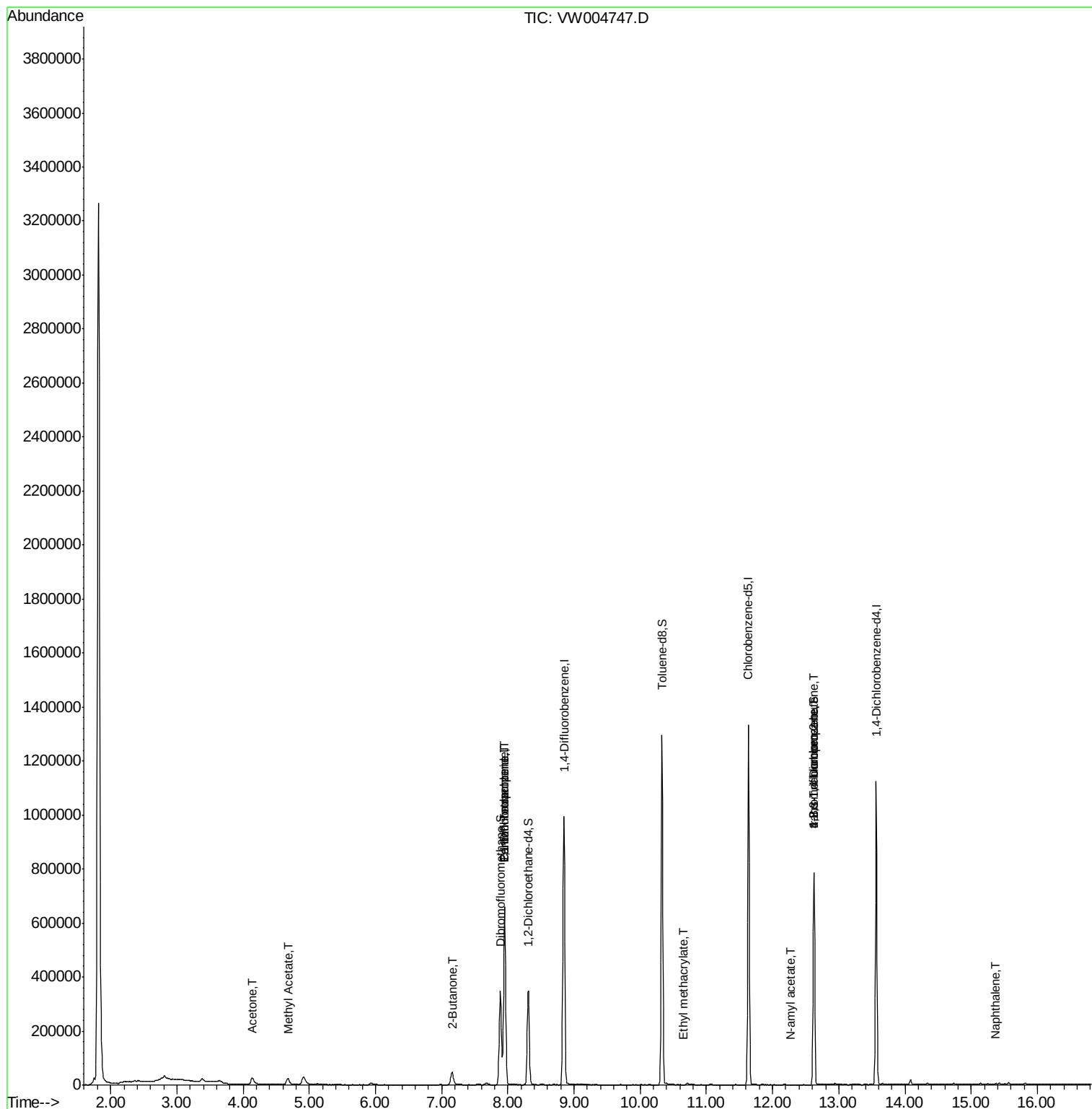
						Qvalue
16) Acetone	4.14	43	44592	35.272	ug/l	92
18) Methyl Acetate	4.68	43	45157	16.668	ug/l	99
25) 2-Butanone	7.17	43	3594	1.995	ug/l #	67
36) 1,1-Dichloropropene	7.95	75	37653	4.315	ug/l #	48
38) Carbon Tetrachloride	7.95	117	46638	5.806	ug/l #	16
56) Ethyl methacrylate	10.65	69	82	2.994	ug/l #	18
74) N-amyl acetate	12.27	43	81	4.035	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	124428	46.765	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	124428	108.695	ug/l #	14
95) Naphthalene	15.38	128	1888	3.649	ug/l #	95

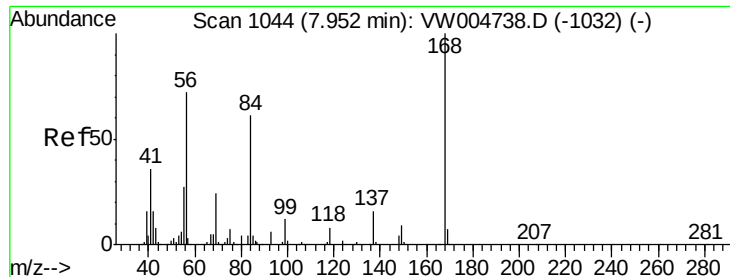
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004747.D

Acq: 17 Aug 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

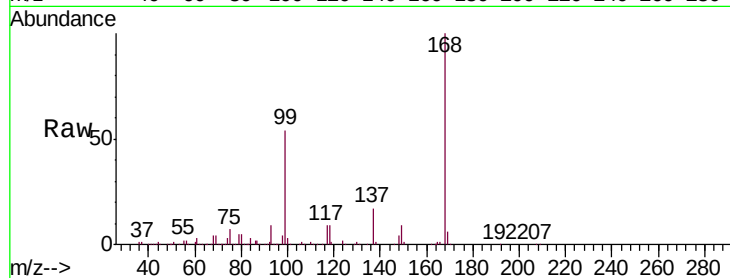
AU-06-081518-B

Tgt Ion:168 Resp: 512250

Ion Ratio Lower Upper

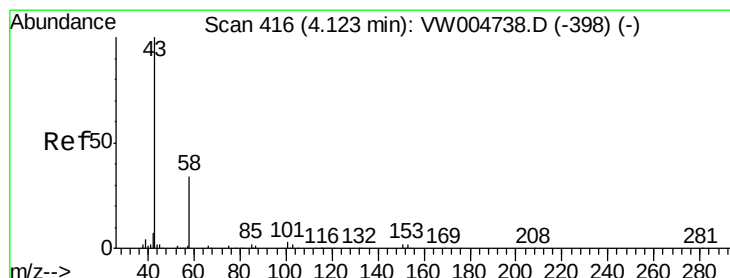
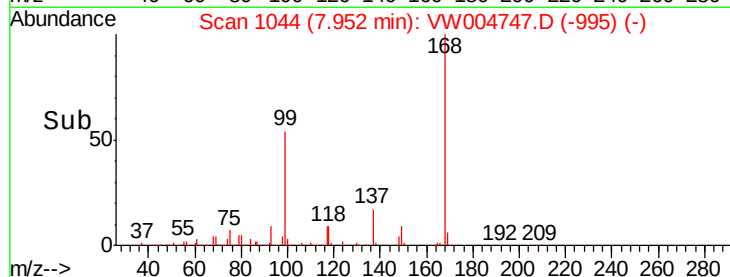
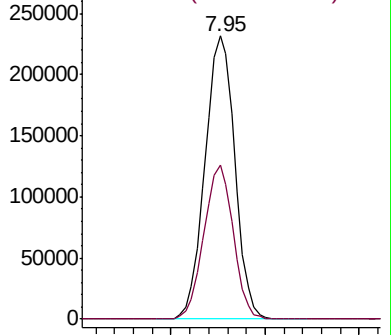
168 100

99 54.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 35.272 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004747.D

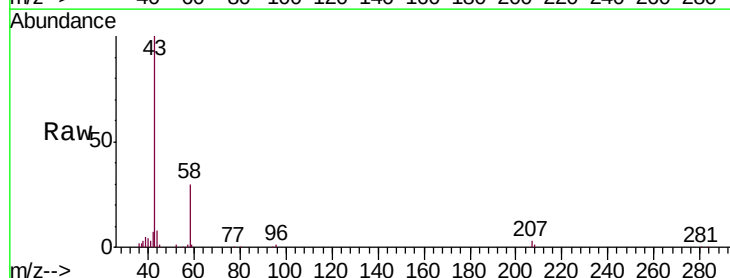
Acq: 17 Aug 2018 21:56

Tgt Ion: 43 Resp: 44592

Ion Ratio Lower Upper

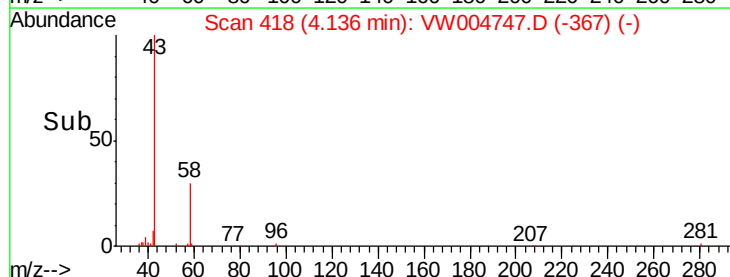
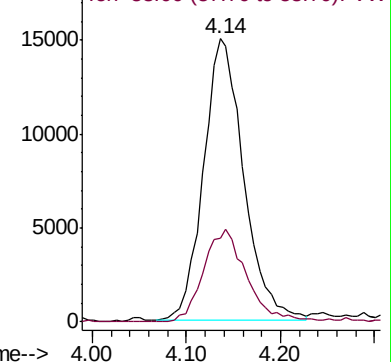
43 100

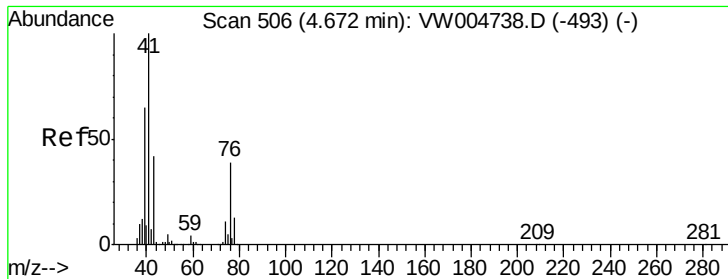
58 29.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

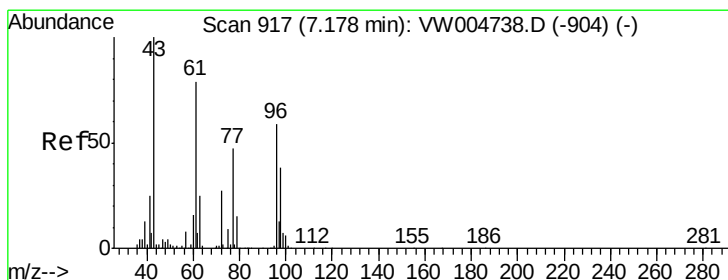
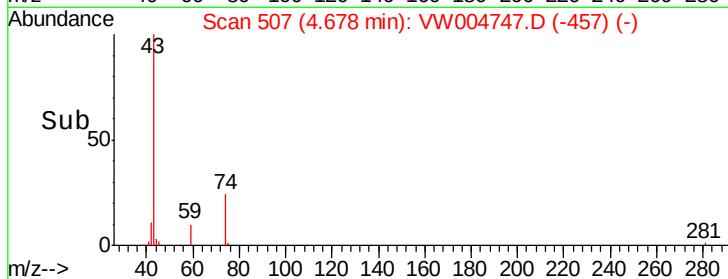
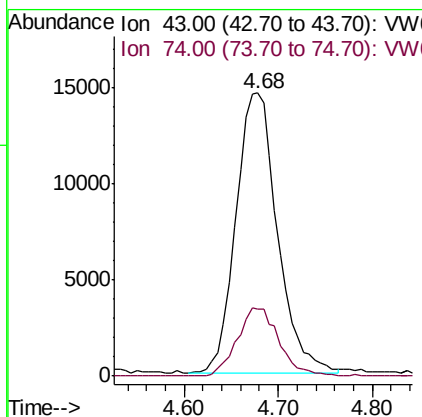
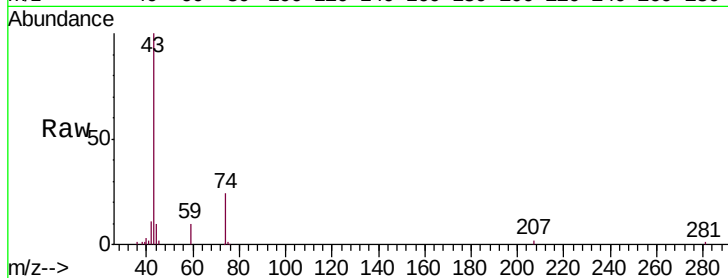




#18
Methyl Acetate
Concen: 16.668 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

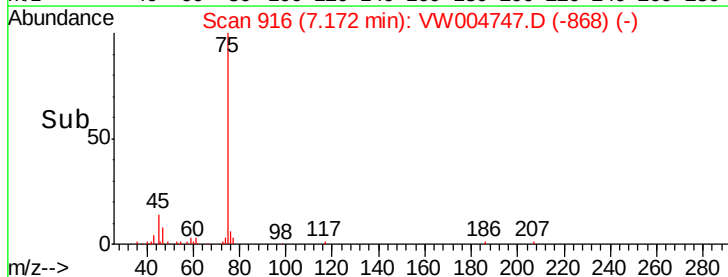
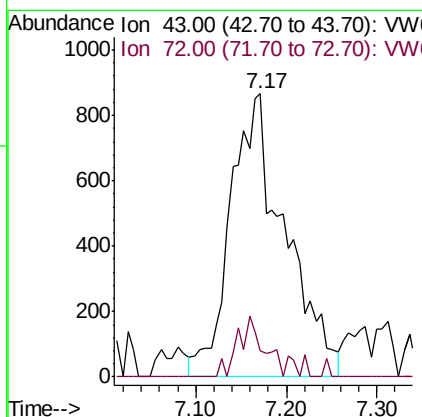
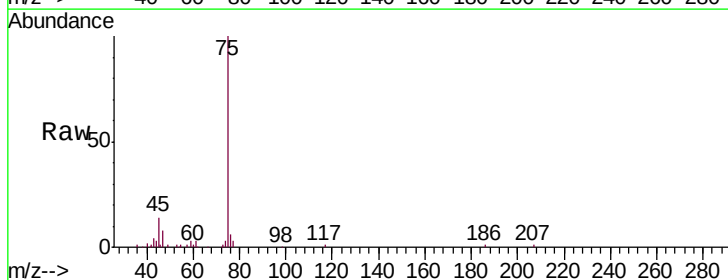
Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-B

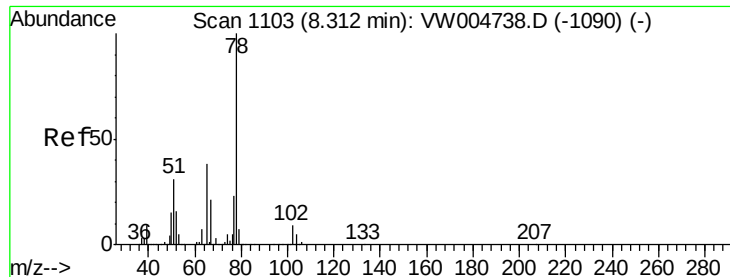
Tgt Ion: 43 Resp: 45157
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8



#25
2-Butanone
Concen: 1.995 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
72 10.0 22.0 33.0#

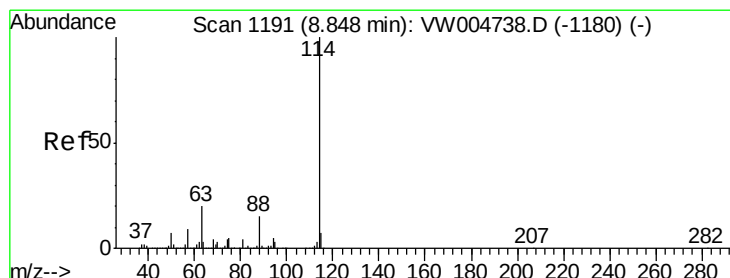
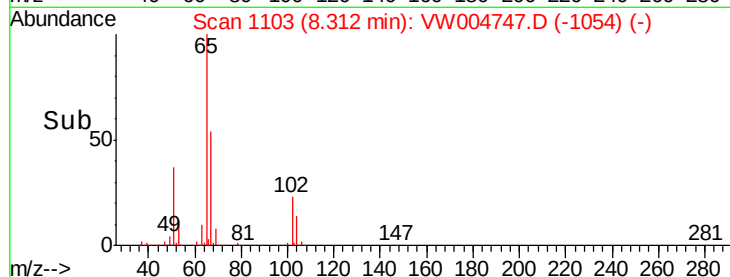
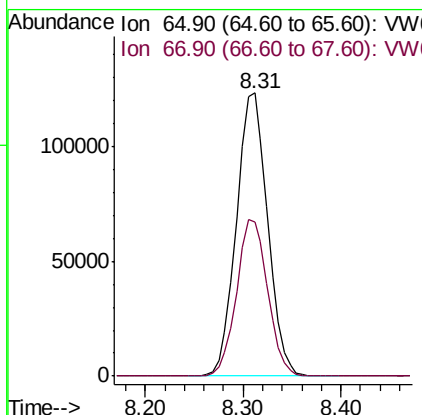
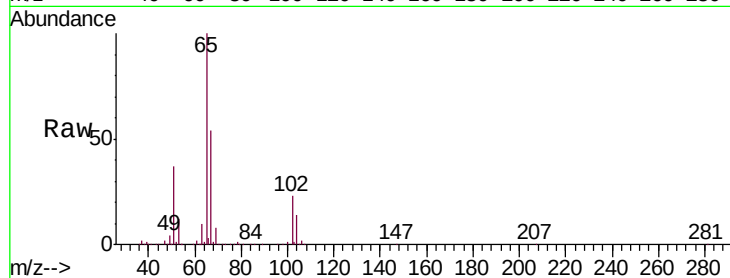




#33
 1,2-Dichloroethane-d4
 Concen: 55.103 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004747.D
 Acq: 17 Aug 2018 21:56

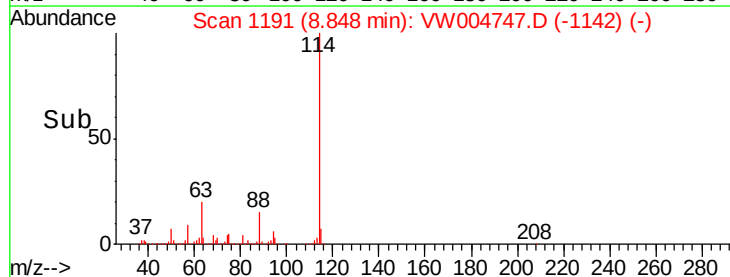
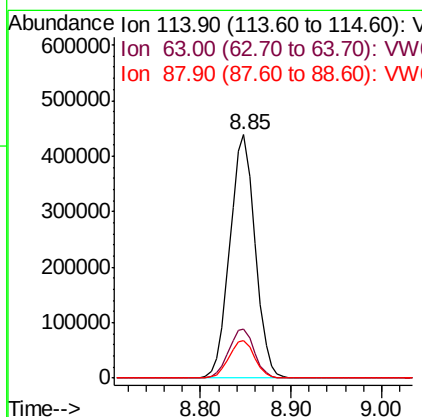
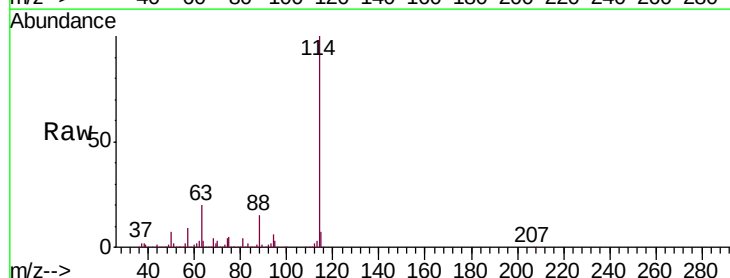
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-081518-B

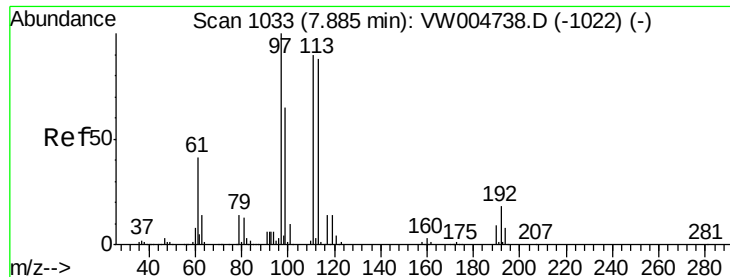
Tgt Ion: 65 Resp: 272895
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004747.D
 Acq: 17 Aug 2018 21:56

Tgt Ion: 114 Resp: 847020
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.567 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-B

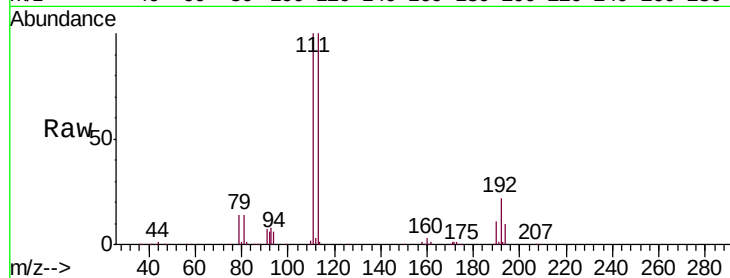
Tgt Ion:113 Resp: 257507

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

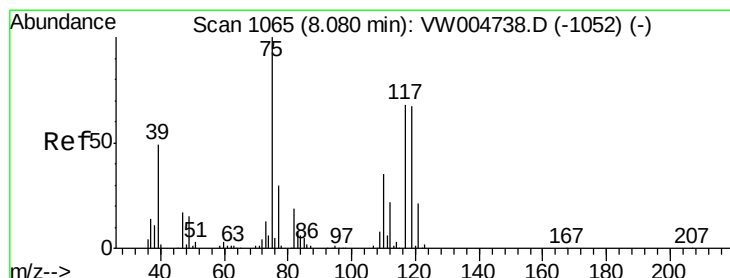
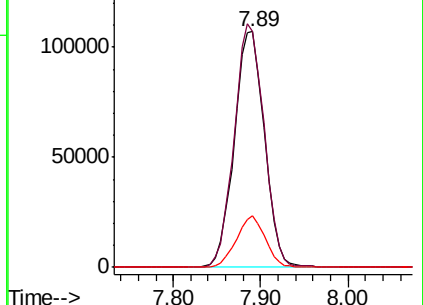
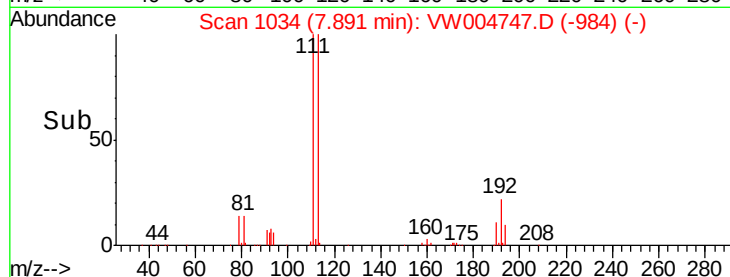
192 20.8 16.7 25.1



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: 4.315 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

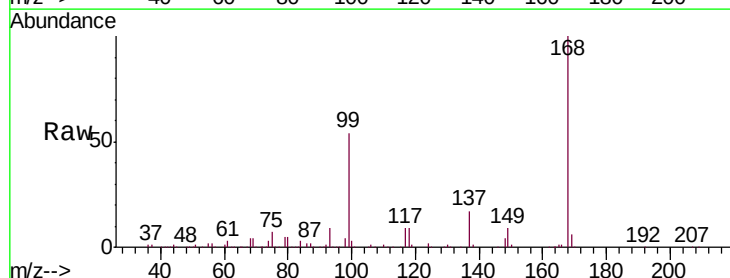
Tgt Ion: 75 Resp: 37653

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

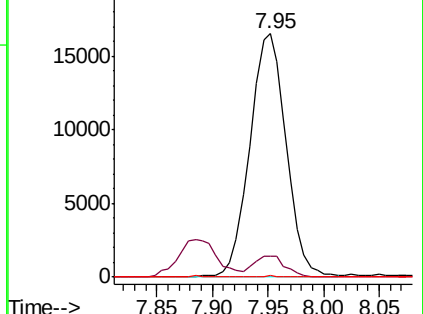
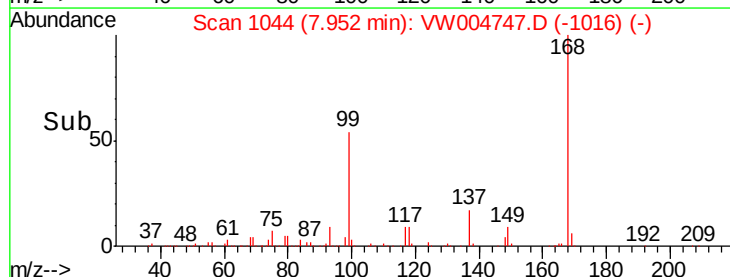
77 0.2 24.9 37.3#

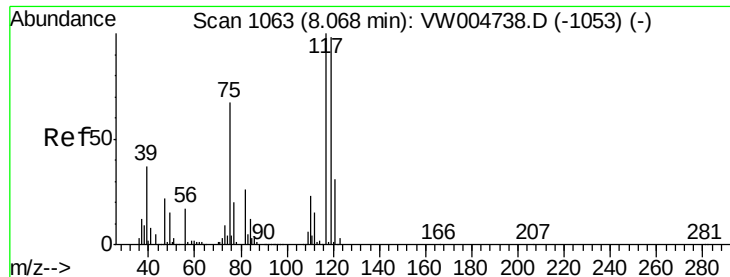


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-B

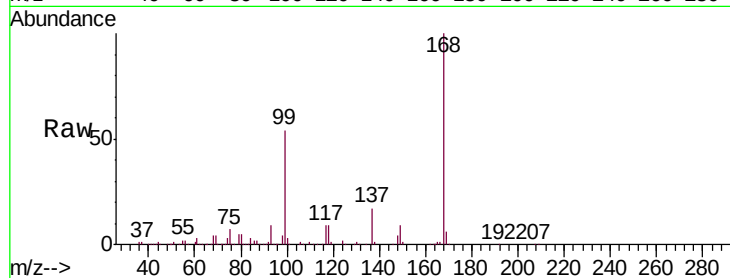
Tgt Ion:117 Resp: 46638

Ion Ratio Lower Upper

117 100

119 6.4 78.0 117.0#

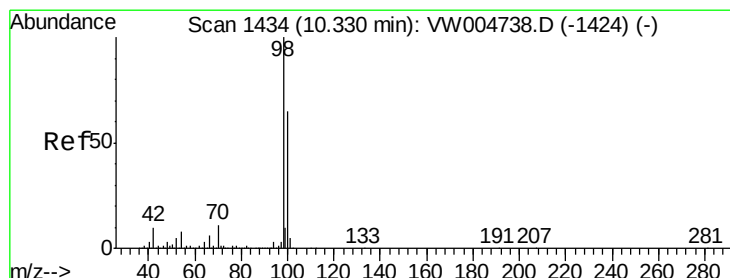
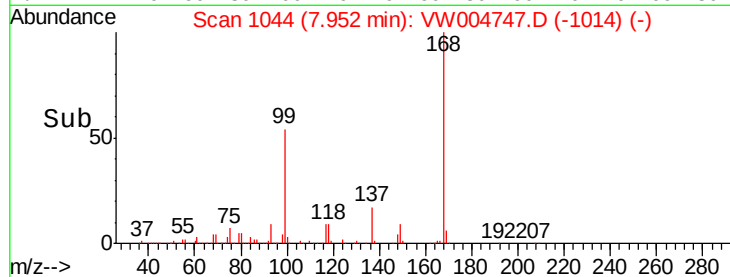
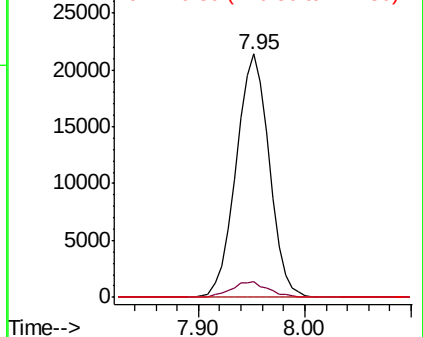
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 41.495 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004747.D

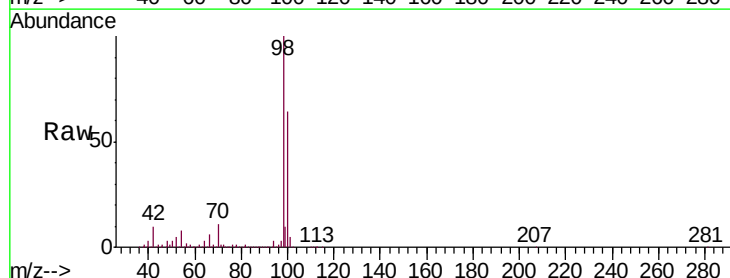
Acq: 17 Aug 2018 21:56

Tgt Ion: 98 Resp: 876897

Ion Ratio Lower Upper

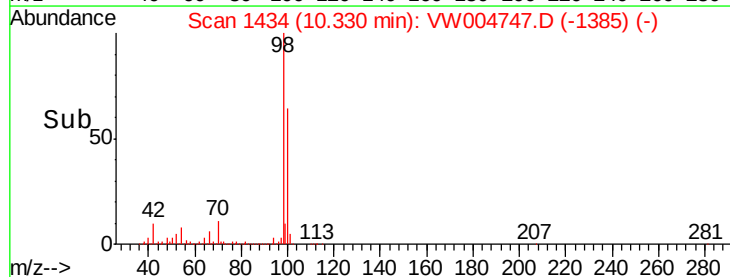
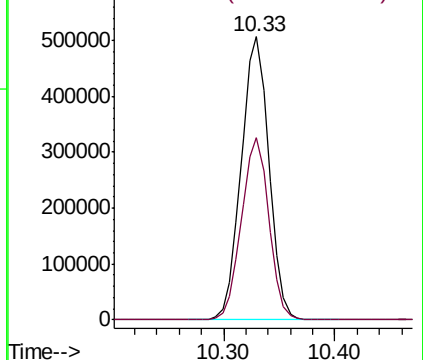
98 100

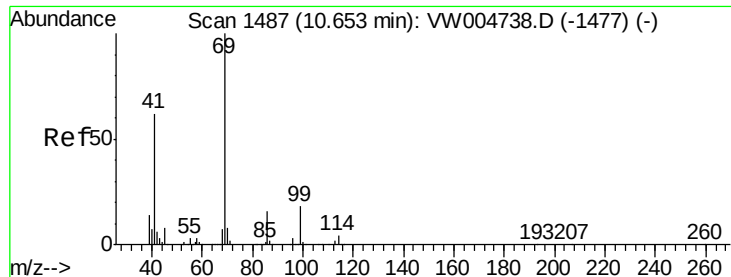
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

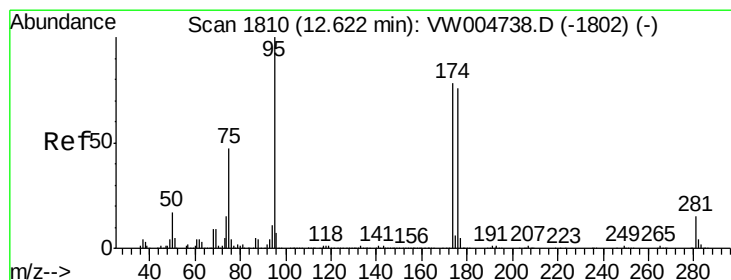
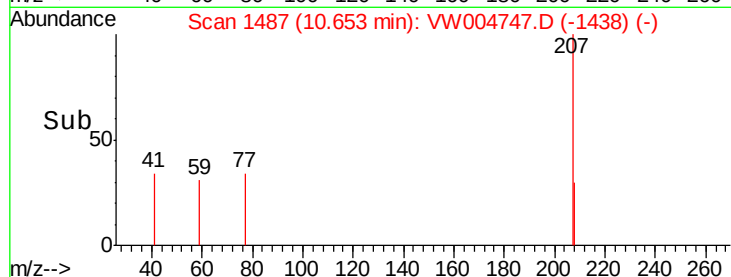
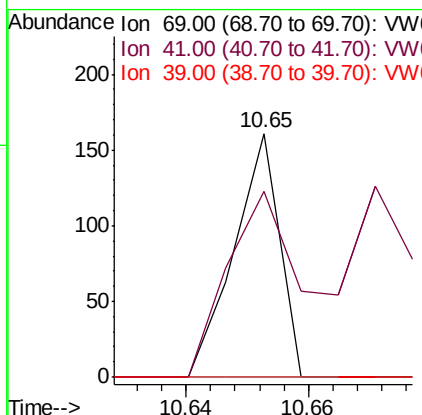
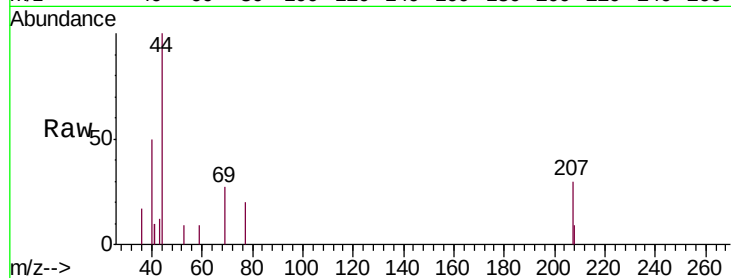




#56
Ethyl methacrylate
Concen: 2.994 ug/l
RT: 10.65 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

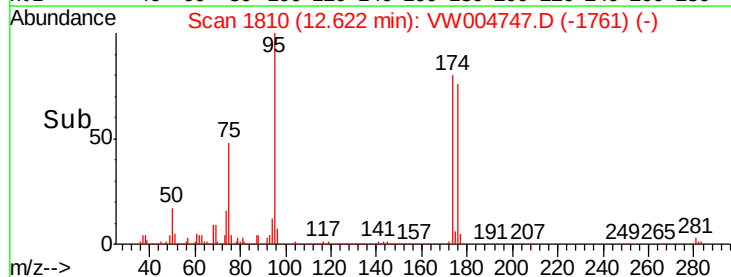
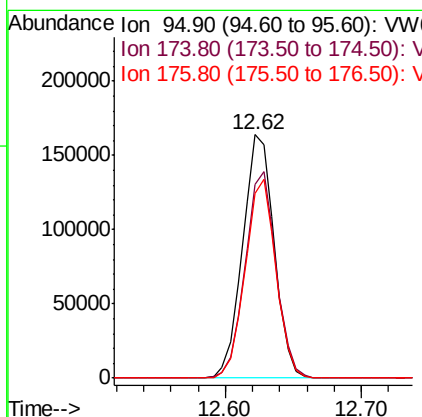
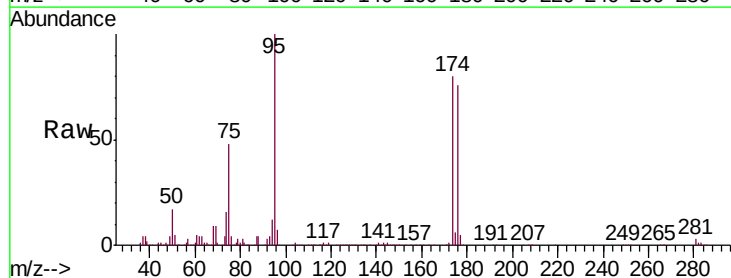
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MSVOA_W
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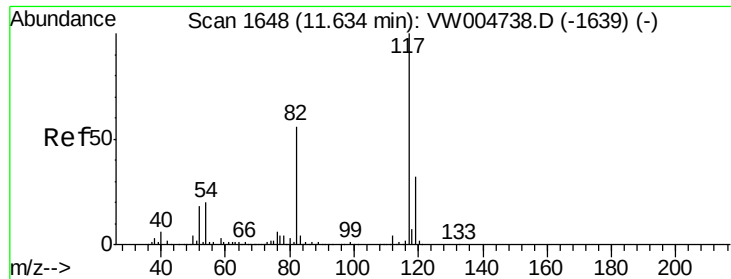
Tgt Ion: 69 Resp: 82
Ion Ratio Lower Upper
69 100
41 136.6 50.7 76.1#
39 0.0 21.4 32.2#



#62
4-Bromofluorobenzene
Concen: 34.869 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

Tgt Ion: 95 Resp: 265098
Ion Ratio Lower Upper
95 100
174 83.5 0.0 165.8
176 80.2 0.0 159.8

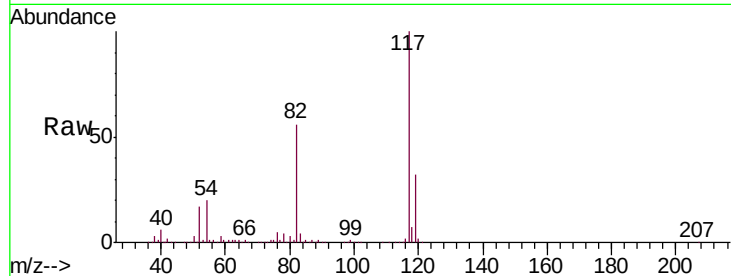




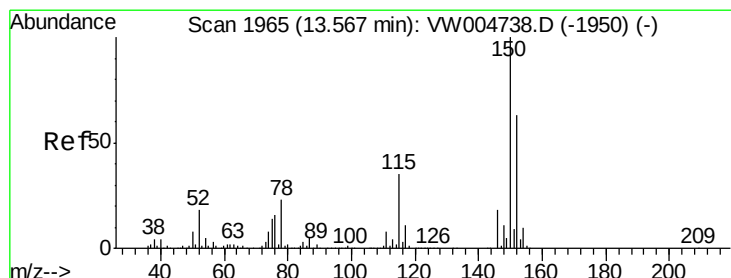
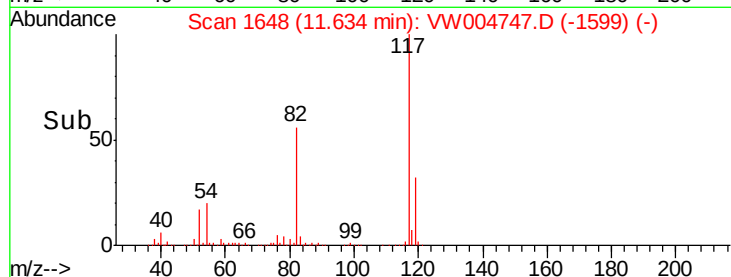
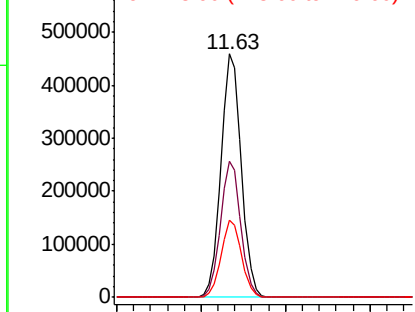
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-B

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.0	25.6	38.4

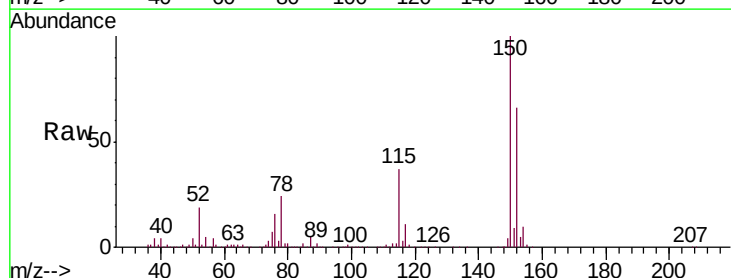


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

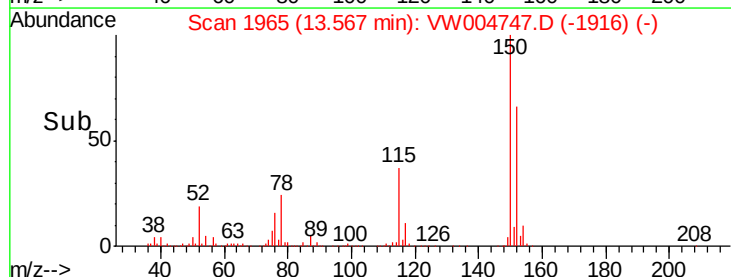
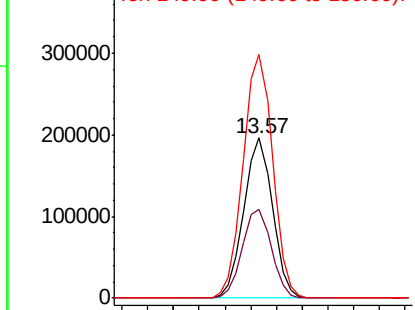


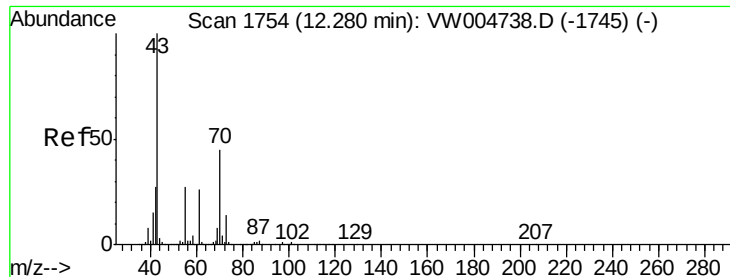
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004747.D
Acq: 17 Aug 2018 21:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.5	85.5
150	156.3	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: 4.035 ug/l

RT: 12.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-B

Tgt Ion: 43 Resp: 81

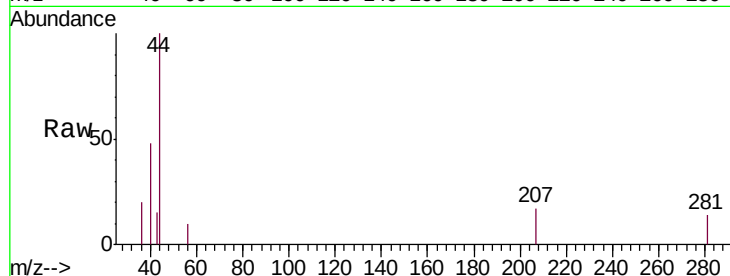
Ion Ratio Lower Upper

43 100

70 51.9 36.3 54.5

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

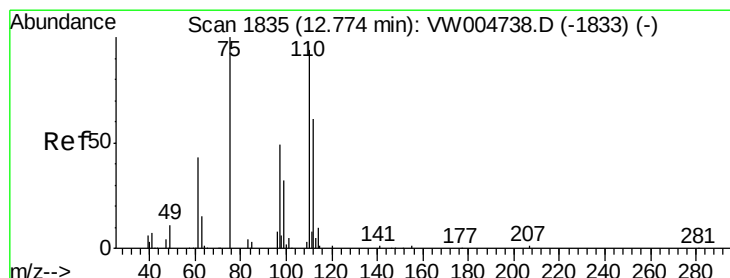
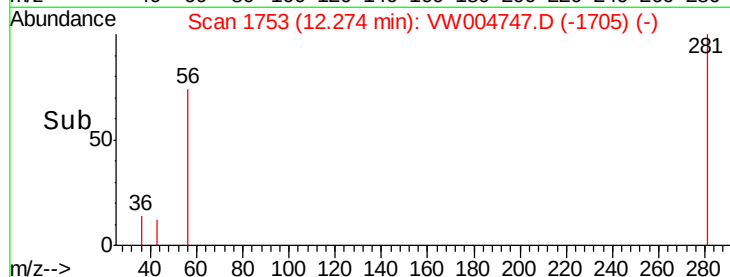
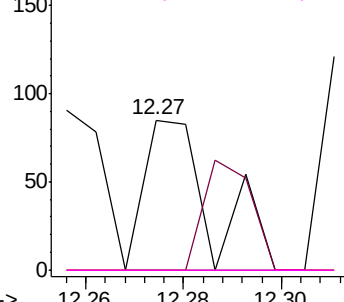


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 46.765 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004747.D

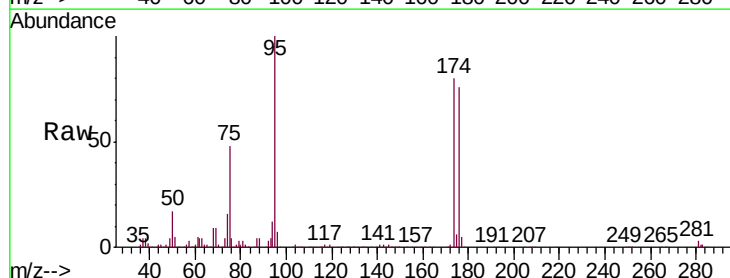
Acq: 17 Aug 2018 21:56

Tgt Ion: 75 Resp: 124428

Ion Ratio Lower Upper

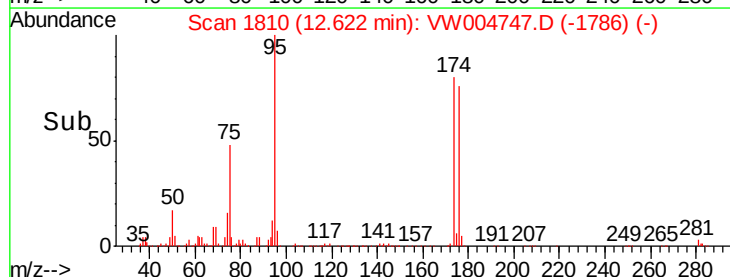
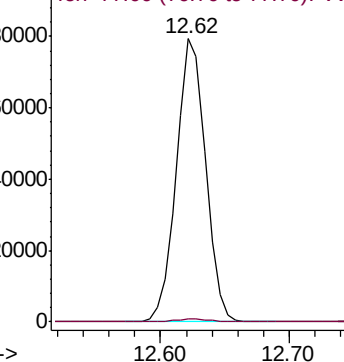
75 100

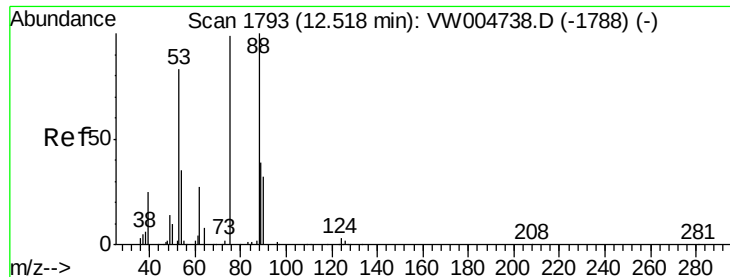
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 108.695 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-B

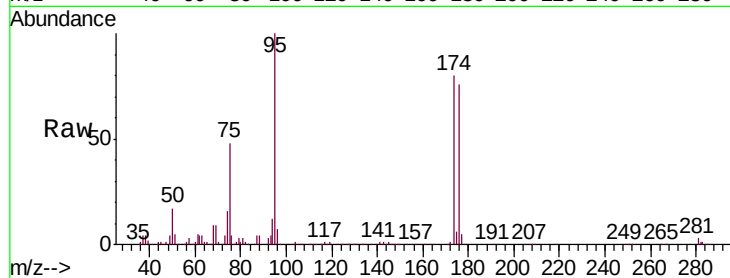
Tgt Ion: 75 Resp: 124428

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

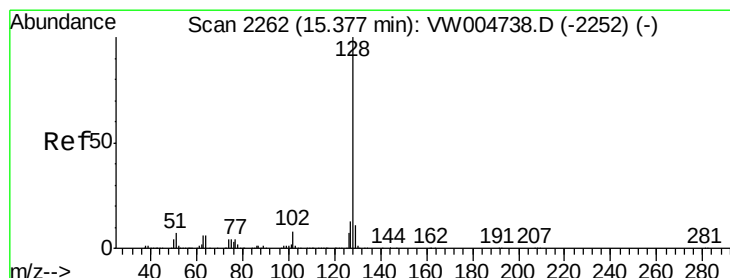
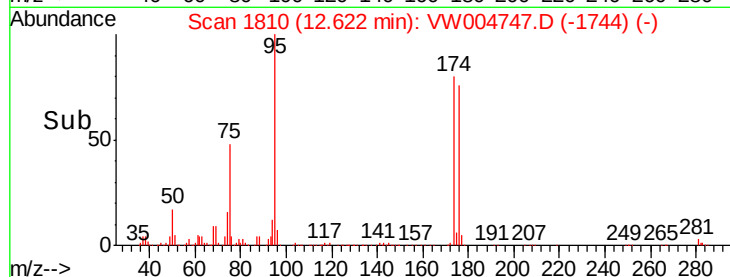
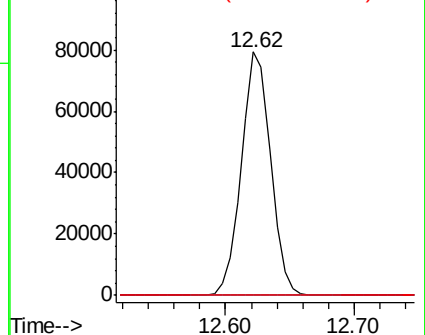
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 3.649 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004747.D

Acq: 17 Aug 2018 21:56

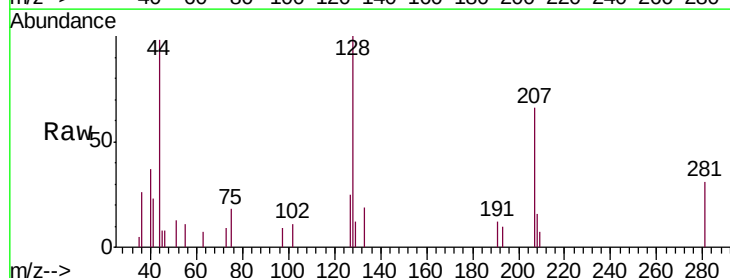
Tgt Ion: 128 Resp: 1888

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

129 11.7 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

