

Data File : VW004748.D
Acq On : 17 Aug 2018 22:21
Operator : SY/AP
Sample : J4282-05
Misc : 7.89G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-A

Quant Time: Aug 18 02:40:43 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	649125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1089658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	973830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	411543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	325521	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.88	113	320352	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	10.33	98	1106933	40.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.44%	
62) 4-Bromofluorobenzene	12.62	95	344773	35.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.50%	

Target Compounds

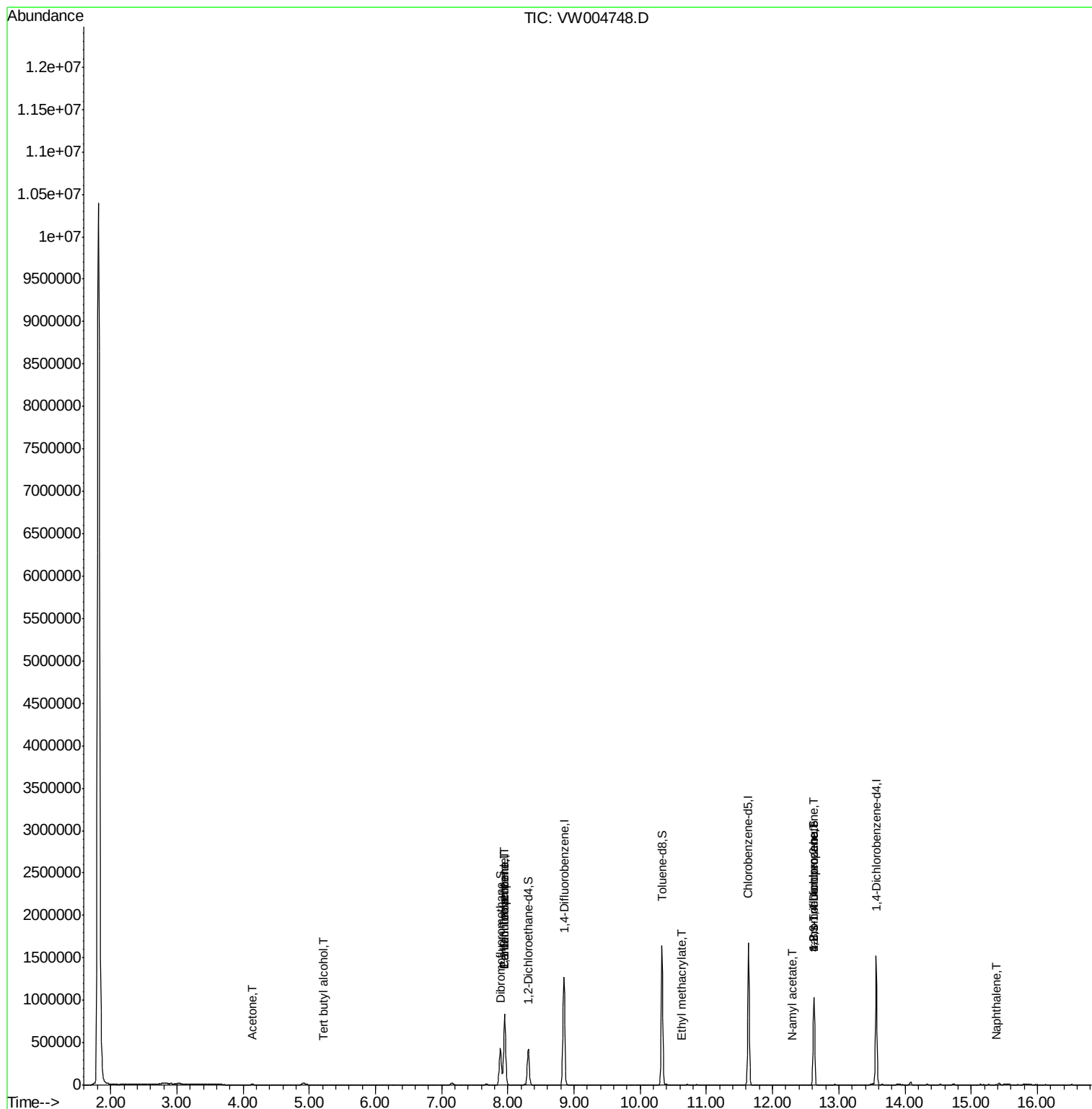
						Qvalue
11) Tert butyl alcohol	5.21	59	399	1.138	ug/l #	72
16) Acetone	4.14	43	9586	5.984	ug/l #	85
20) Methylene Chloride	4.91	84	24339	Below Cal		91
36) 1,1-Dichloropropene	7.95	75	48731	4.341	ug/l #	48
38) Carbon Tetrachloride	7.95	117	60034	5.810	ug/l #	16
56) Ethyl methacrylate	10.63	69	28	2.984	ug/l #	1
74) N-amyl acetate	12.29	43	20	4.022	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	165598	45.646	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	165598	106.095	ug/l #	14
95) Naphthalene	15.38	128	1560	3.593	ug/l #	91

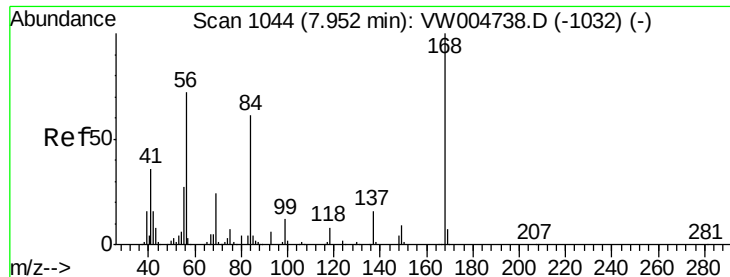
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

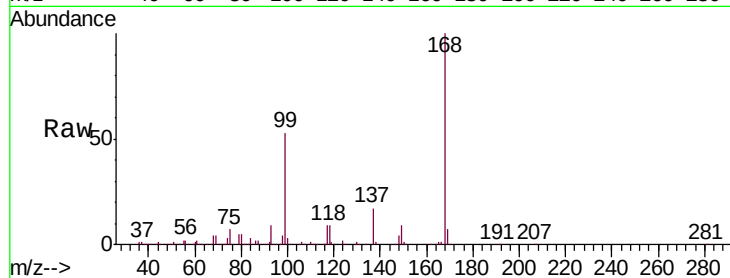
SU-01-081518-A

Tgt Ion:168 Resp: 649125

Ion Ratio Lower Upper

168 100

99 53.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

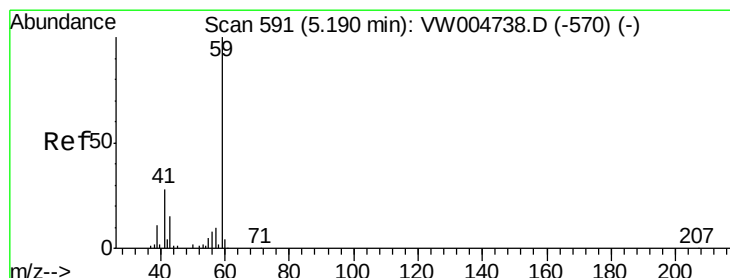
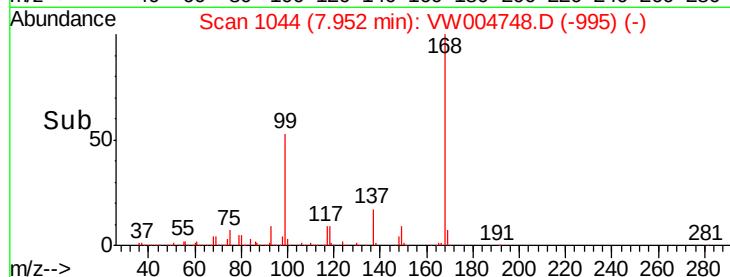
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.138 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004748.D

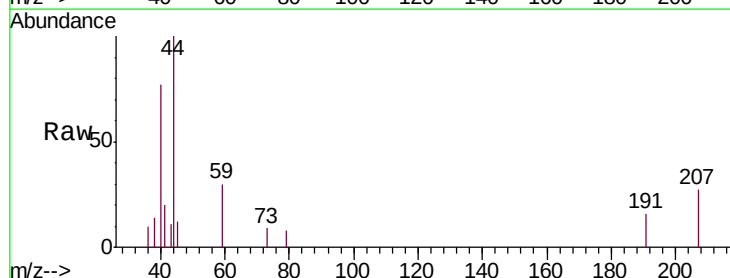
Acq: 17 Aug 2018 22:21

Tgt Ion: 59 Resp: 399

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

5.21

250

200

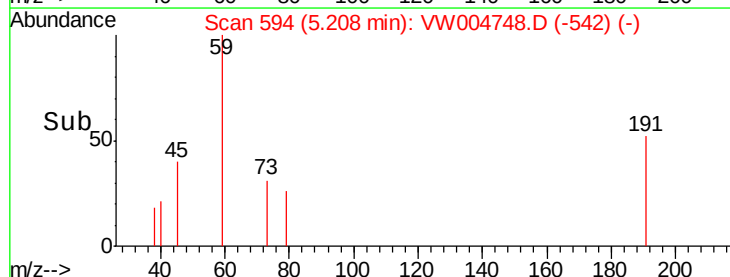
150

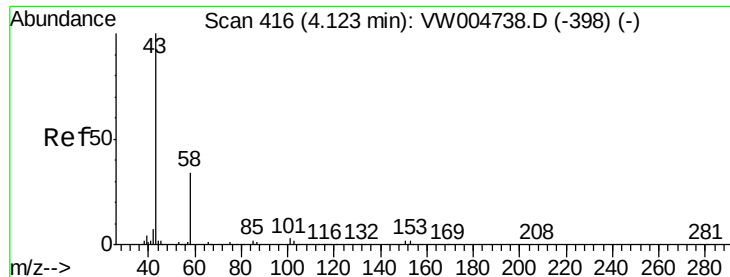
100

50

0

Time--> 5.16 5.18 5.20 5.22

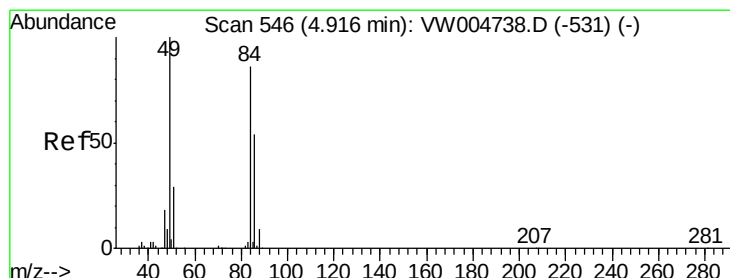
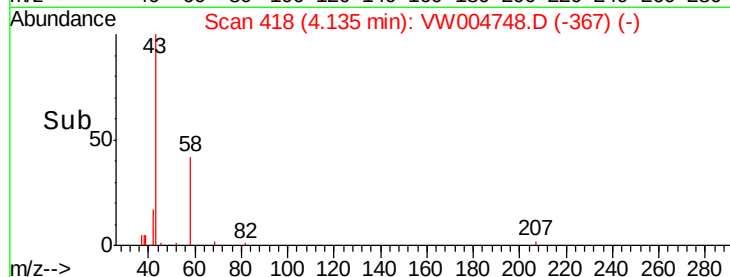
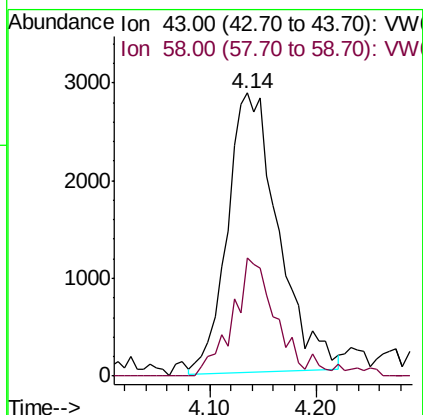
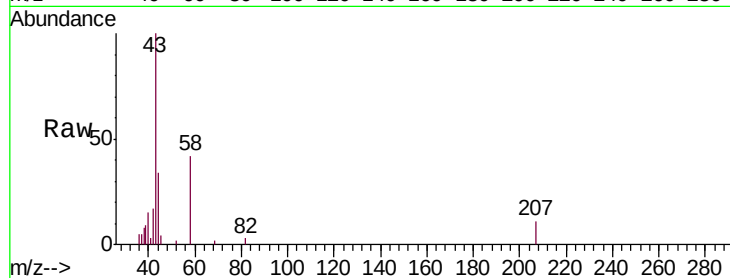




#16
Acetone
Concen: 5.984 ug/l
RT: 4.14 min Scan# 418
Delta R.T. 0.01 min
Lab File: VW004748.D
Acq: 17 Aug 2018 22:21

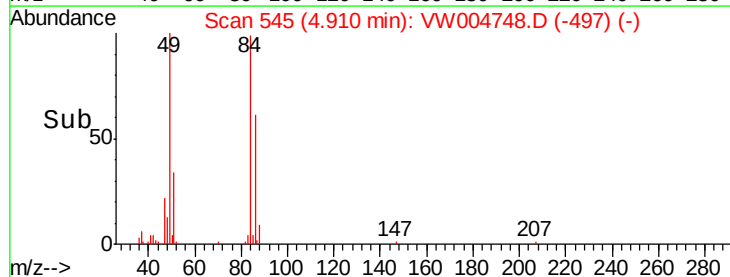
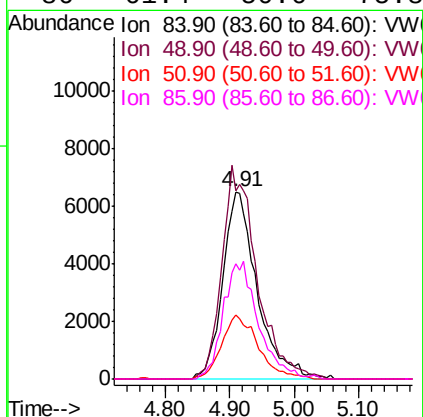
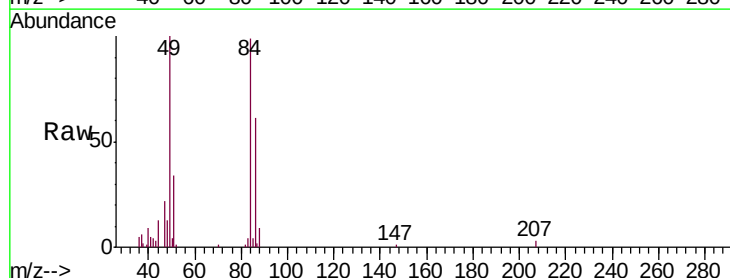
Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-A

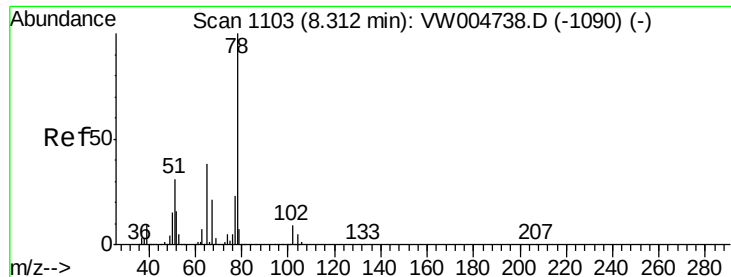
Tgt Ion: 43 Resp: 9586
Ion Ratio Lower Upper
43 100
58 43.0 27.3 40.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004748.D
Acq: 17 Aug 2018 22:21

Tgt Ion: 84 Resp: 24339
Ion Ratio Lower Upper
84 100
49 100.7 93.2 139.8
51 34.3 27.4 41.0
86 61.4 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 51.870 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

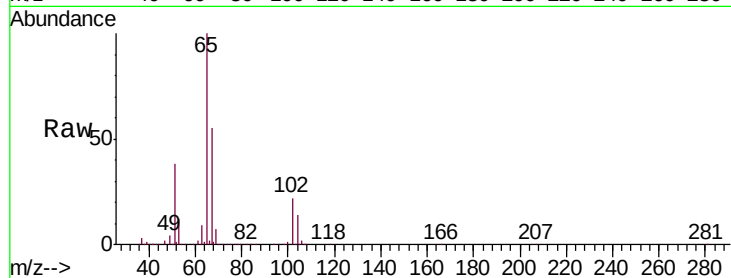
SU-01-081518-A

Tgt Ion: 65 Resp: 325521

Ion Ratio Lower Upper

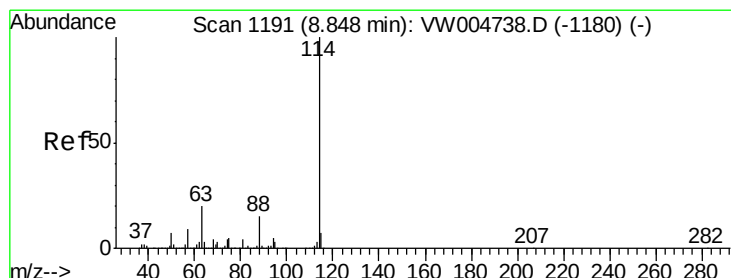
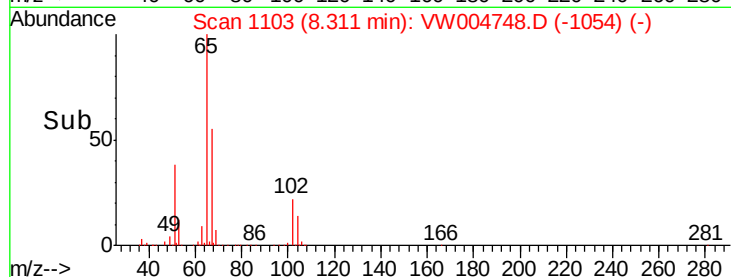
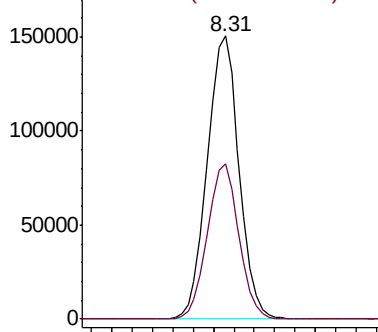
65 100

67 54.4 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: VW004748.D

Acq: 17 Aug 2018 22:21

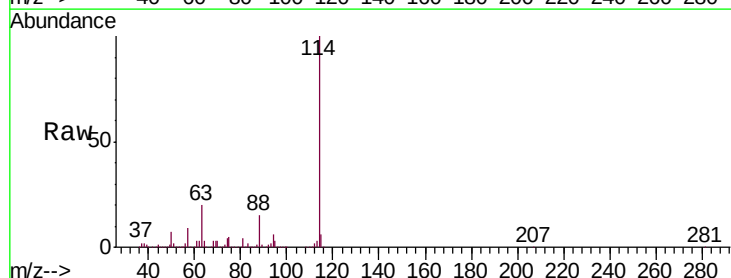
Tgt Ion: 114 Resp: 1089658

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

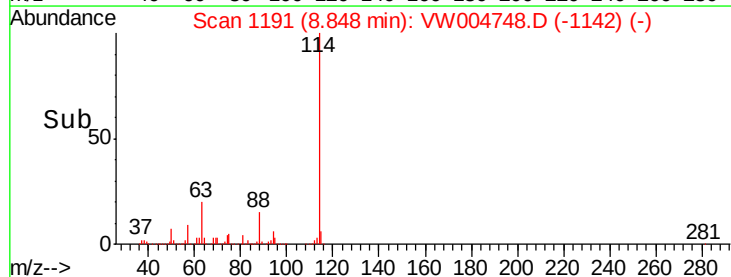
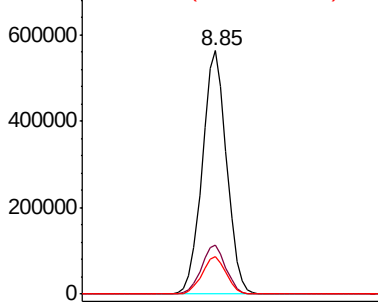
88 15.3 0.0 30.0

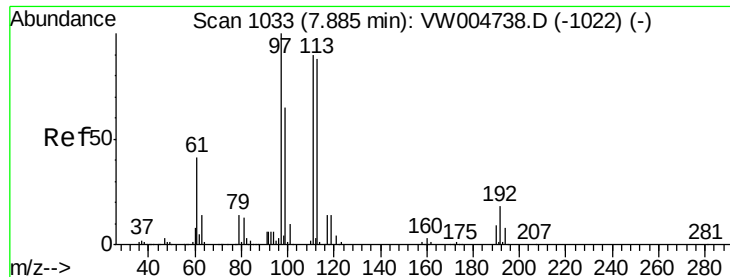


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 45.999 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-A

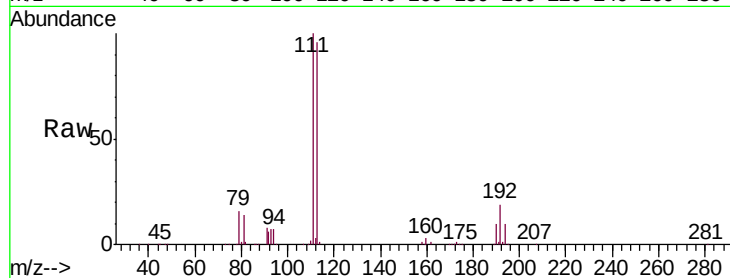
Tgt Ion:113 Resp: 320352

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

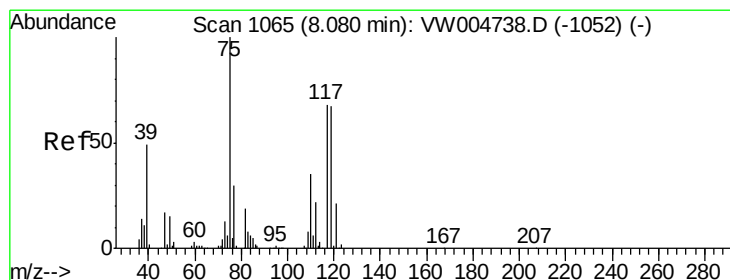
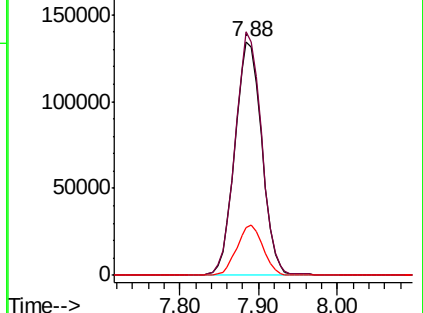
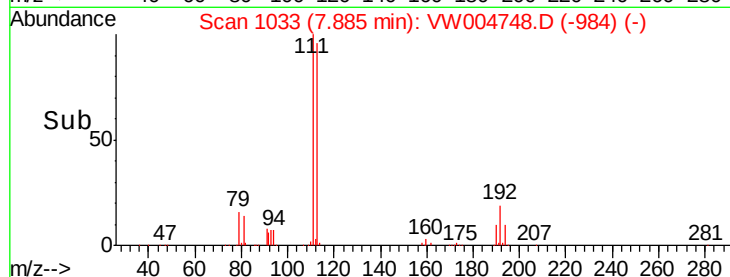
192 20.8 16.7 25.1



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: 4.341 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

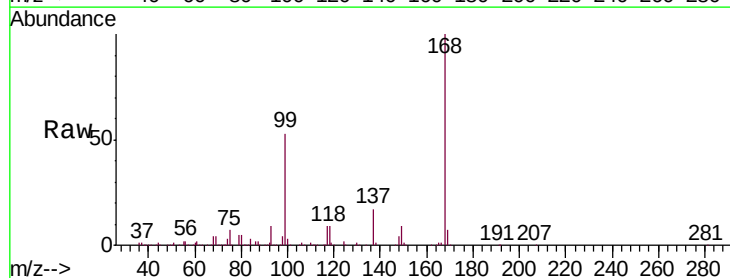
Tgt Ion: 75 Resp: 48731

Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.5#

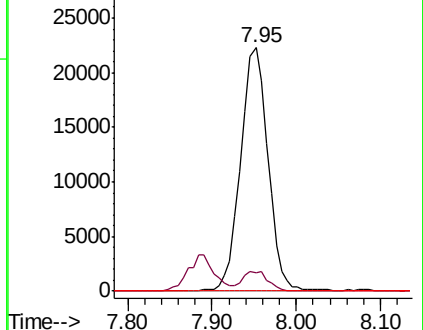
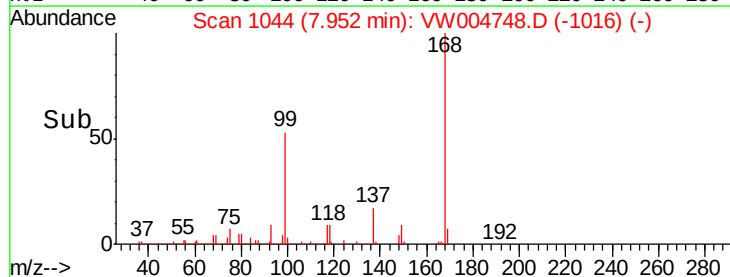
77 0.0 24.9 37.3#

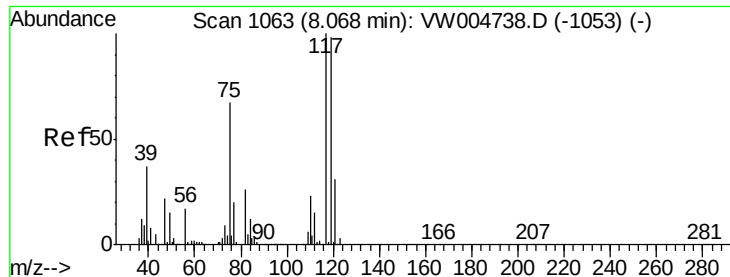


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-A

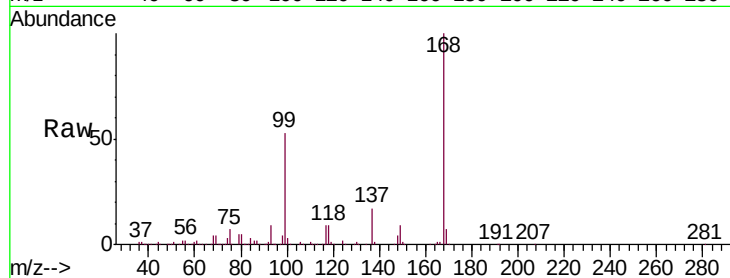
Tgt Ion:117 Resp: 60034

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

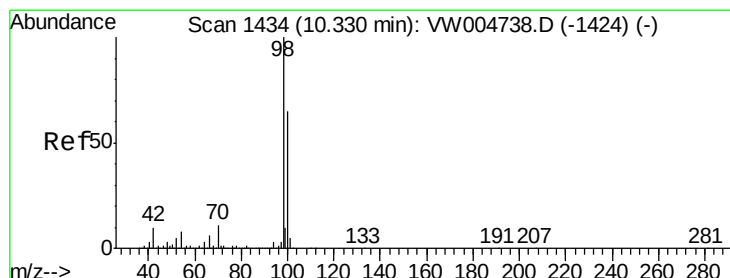
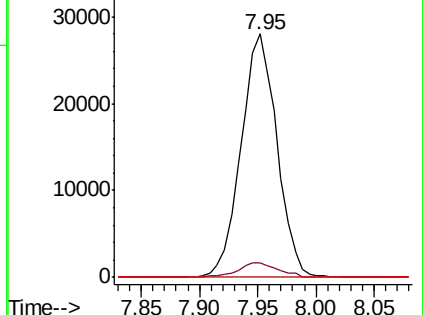
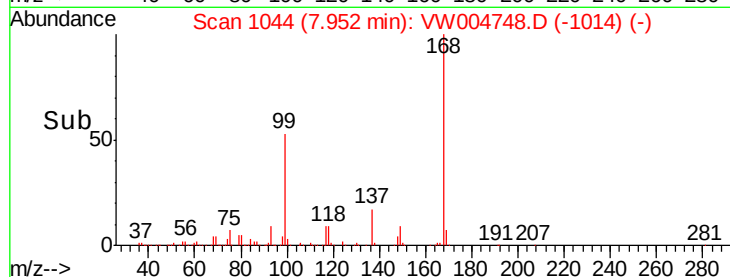
121 0.0 24.8 37.2#



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: 40.717 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004748.D

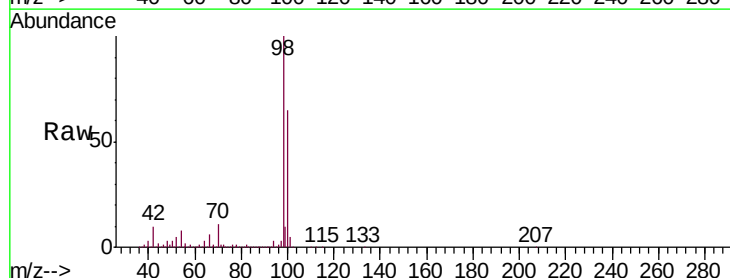
Acq: 17 Aug 2018 22:21

Tgt Ion: 98 Resp: 1106933

Ion Ratio Lower Upper

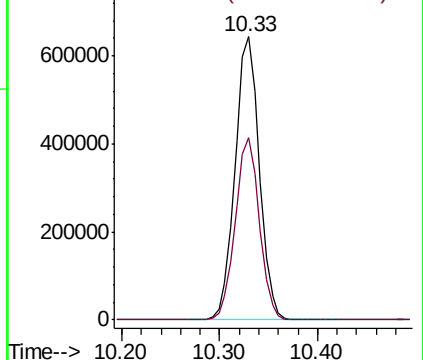
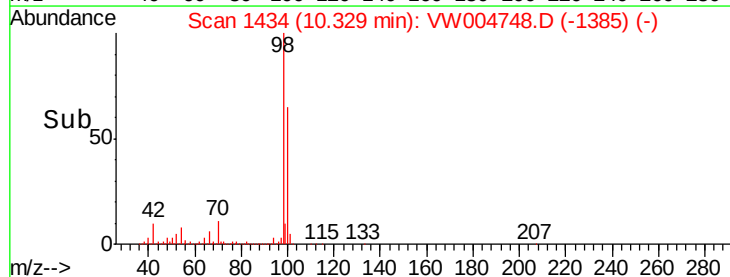
98 100

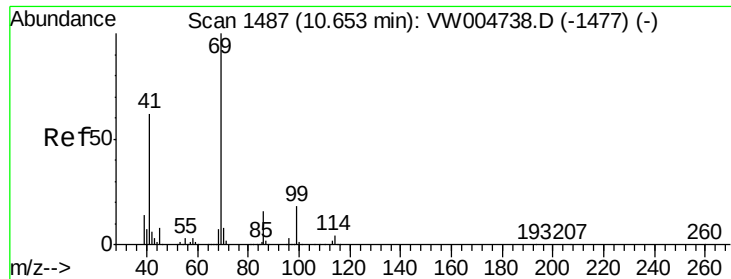
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 10.63 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW004748.D

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Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-A

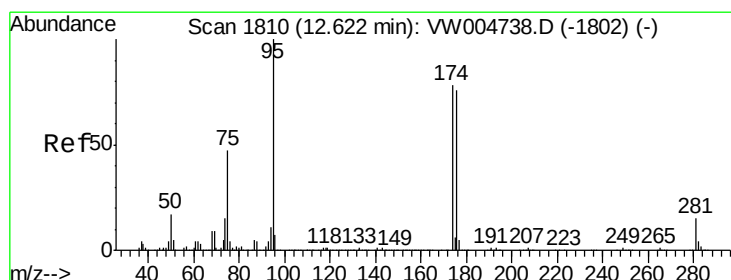
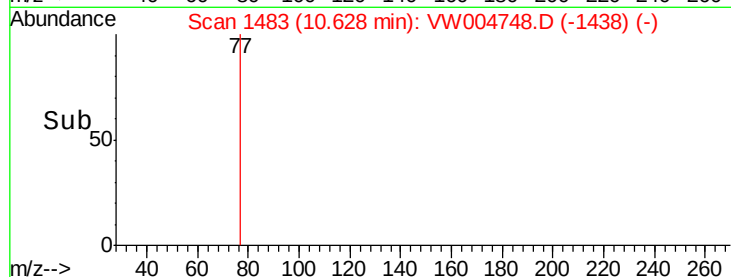
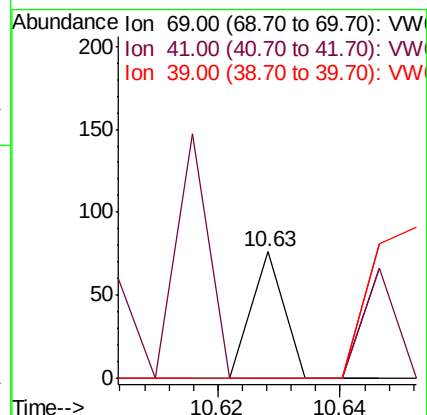
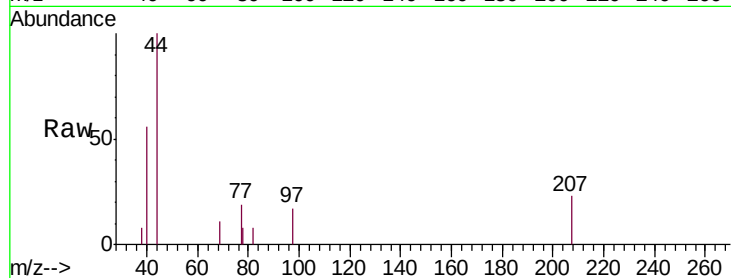
Tgt Ion: 69 Resp: 28

Ion Ratio Lower Upper

69 100

41 271.4 50.7 76.1#

39 0.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 35.251 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

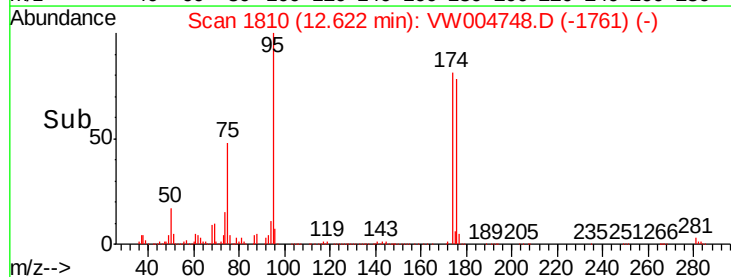
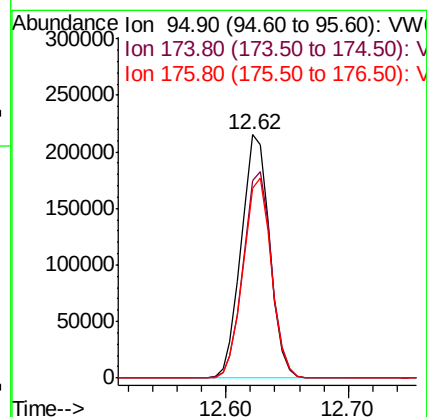
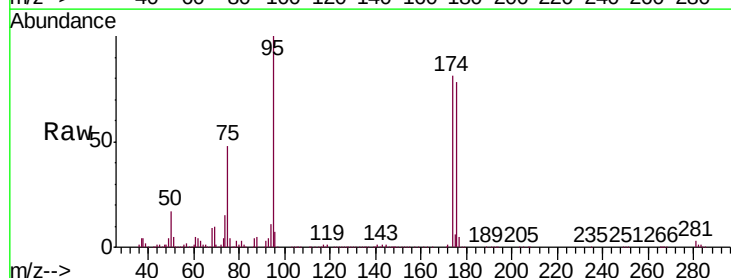
Tgt Ion: 95 Resp: 344773

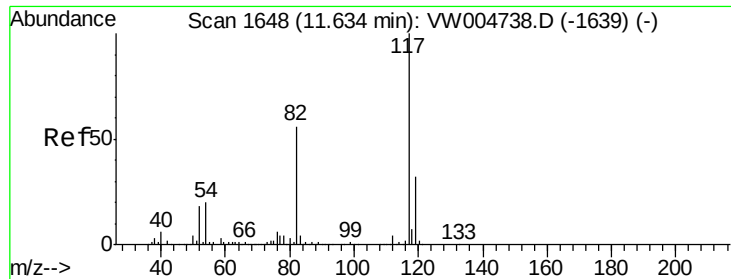
Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

176 82.0 0.0 159.8

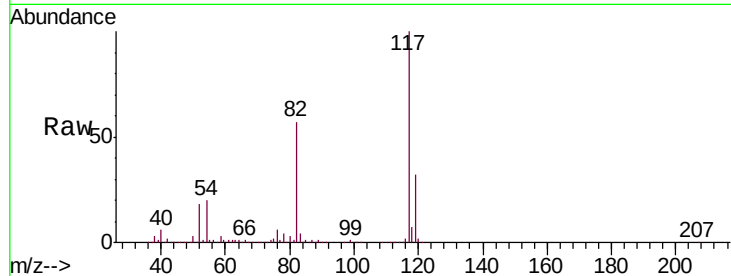




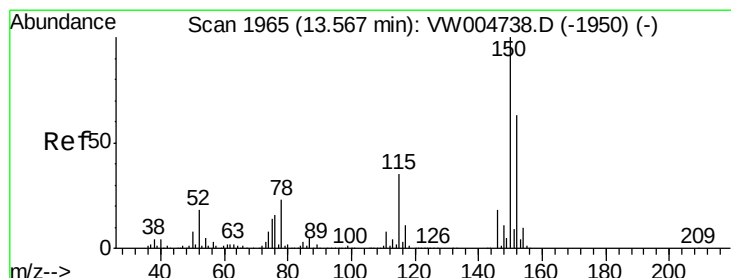
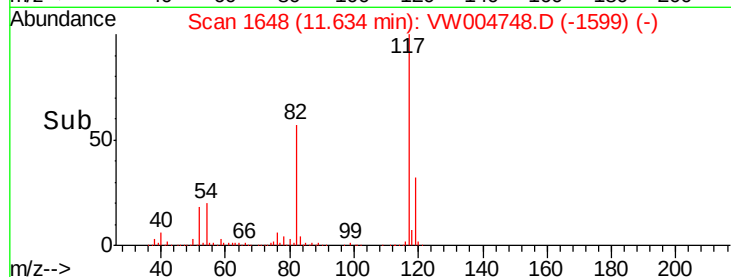
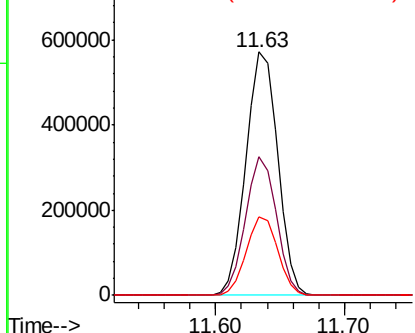
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004748.D
Acq: 17 Aug 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
SU-01-081518-A

Tgt Ion:117 Resp: 973830
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 32.3 25.6 38.4

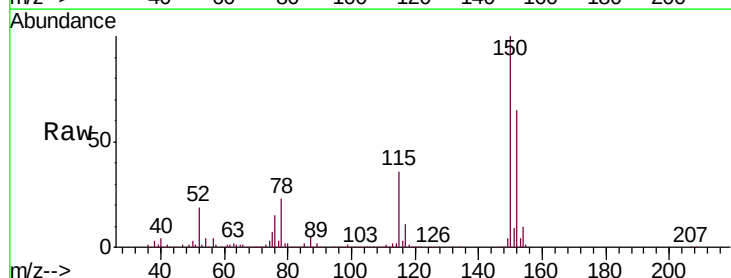


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

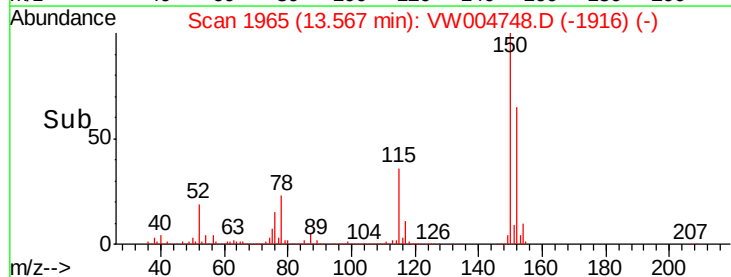
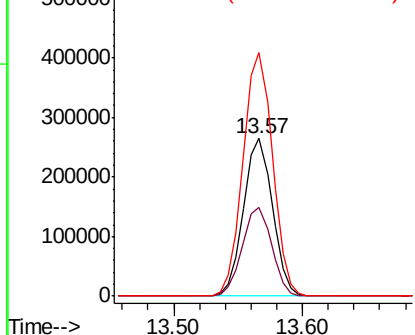


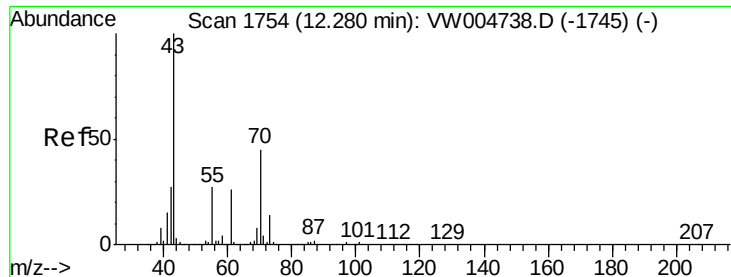
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004748.D
Acq: 17 Aug 2018 22:21

Tgt Ion:152 Resp: 411543
Ion Ratio Lower Upper
152 100
115 57.3 28.5 85.5
150 157.2 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: 4.022 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-A

Tgt Ion: 43 Resp: 20

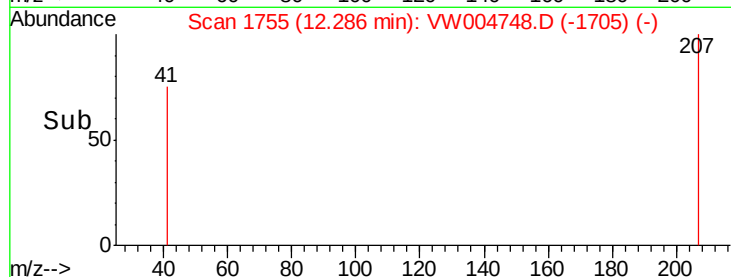
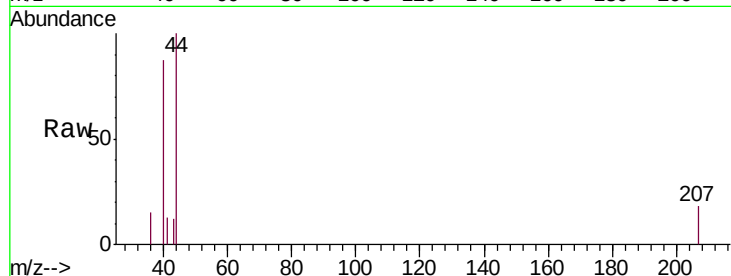
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

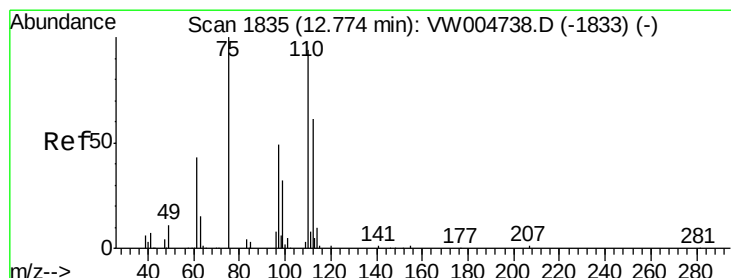
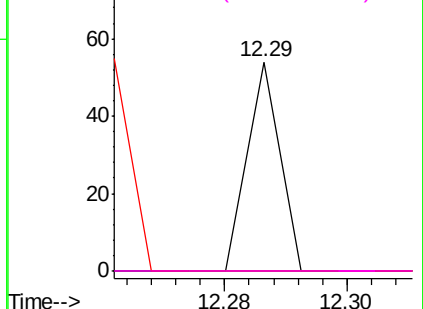


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 45.646 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004748.D

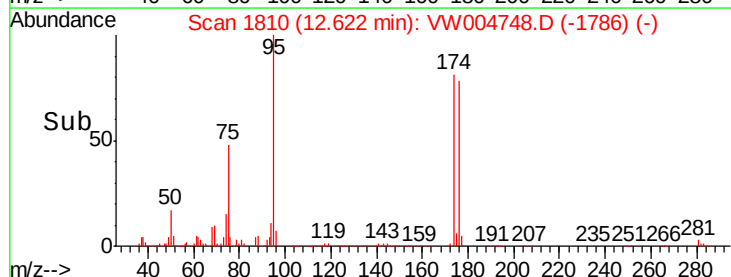
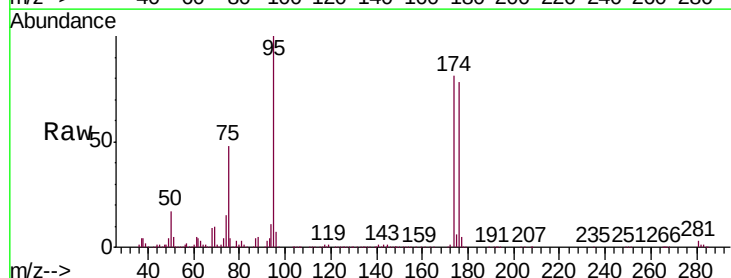
Acq: 17 Aug 2018 22:21

Tgt Ion: 75 Resp: 165598

Ion Ratio Lower Upper

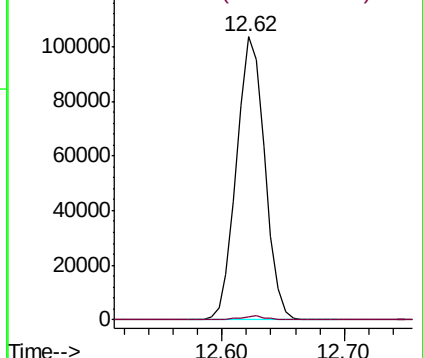
75 100

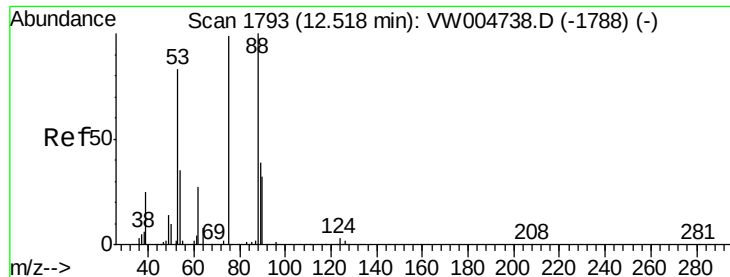
77 1.3 0.0 0.0#



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: 106.095 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

SU-01-081518-A

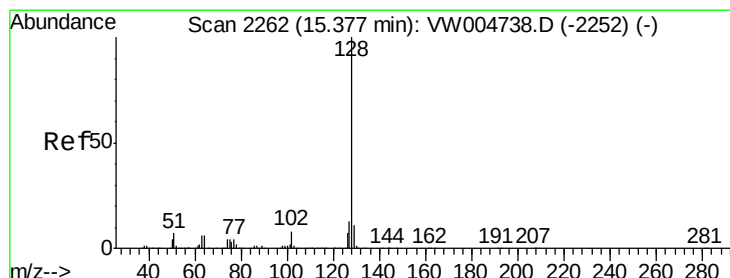
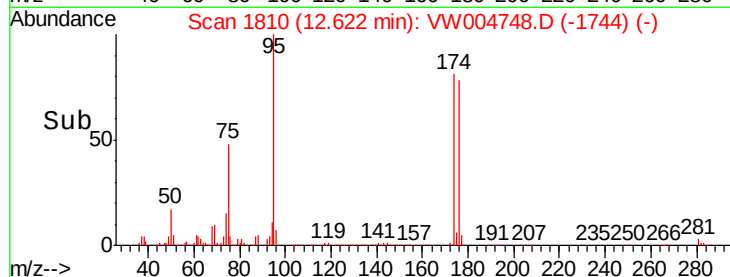
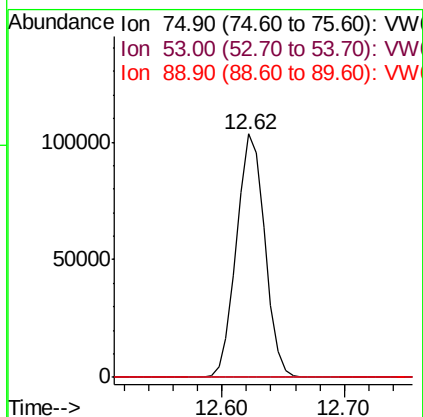
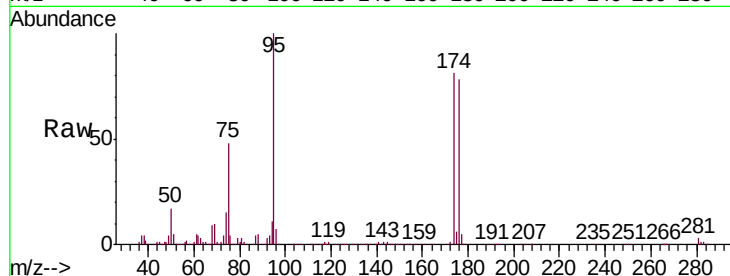
Tgt Ion: 75 Resp: 165598

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

89 0.0 35.2 52.8#



#95

Naphthalene

Concen: 3.593 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Tgt Ion: 128 Resp: 1560

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 3.8 8.6 13.0#

