

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007590.D
 Acq On : 15 Dec 2018 18:45
 Operator : SY/AP
 Sample : J6378-04
 Misc : 3.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD009-0006-01

Quant Time: Dec 15 20:26:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	20813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	4766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	13583	113.81	ug/l	0.00
Spiked Amount			Recovery	=	227.62%	
35) Dibromofluoromethane	7.88	113	9606	76.24	ug/l	0.00
Spiked Amount			Recovery	=	152.48%	
50) Toluene-d8	10.32	98	23276	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.62	95	6713	38.65	ug/l	0.00
Spiked Amount			Recovery	=	77.30%	

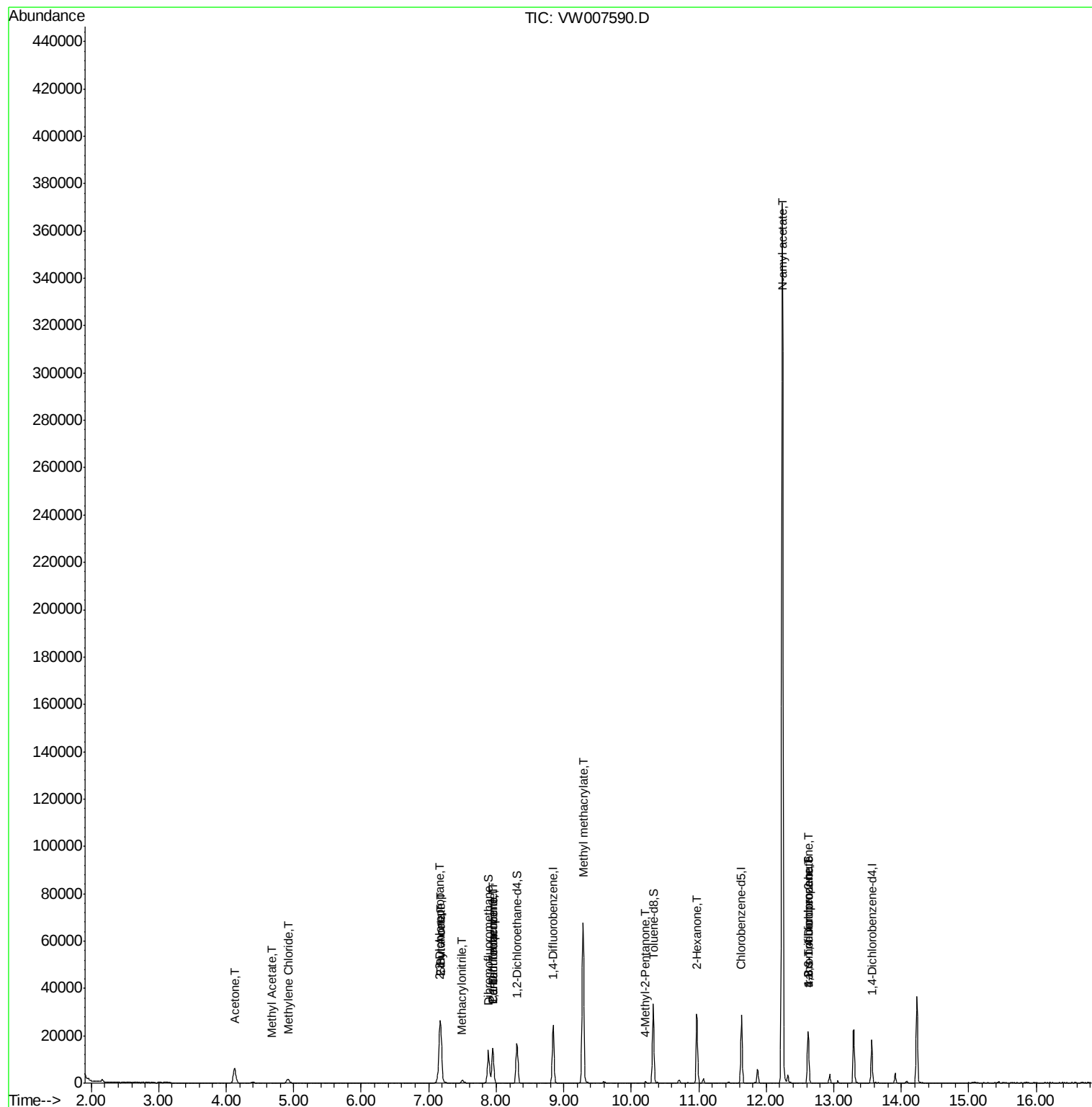
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	11056	530.336	ug/l #	88
18) Methyl Acetate	4.67	43	189	3.340	ug/l #	49
20) Methylene Chloride	4.91	84	1343	8.531	ug/l	87
25) 2-Butanone	7.17	43	38973	1431.988	ug/l	98
26) 2,2-Dichloropropane	7.16	77	236	1.765	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	943	4.967	ug/l #	43
37) Ethyl Acetate	7.17	43	38973	551.892	ug/l #	66
38) Carbon Tetrachloride	7.95	117	1127	5.455	ug/l #	13
41) Methacrylonitrile	7.49	41	241	5.993	ug/l #	20
48) Methyl methacrylate	9.28	41	9087	126.843	ug/l #	45
51) 4-Methyl-2-Pentanone	10.21	43	450	6.828	ug/l #	76
59) 2-Hexanone	10.97	43	16818	382.678	ug/l	99
74) N-amyl acetate	12.24	43	202147	3045.761	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	3564	90.694	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3564	200.343	ug/l #	7

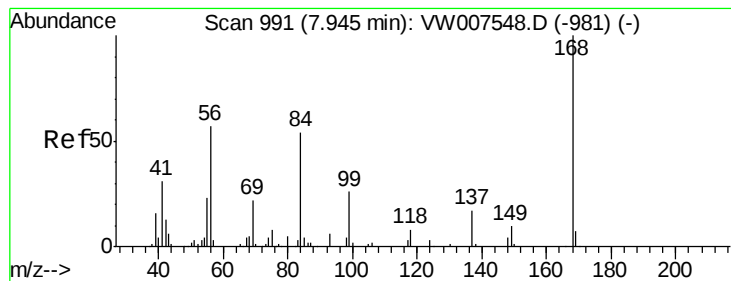
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

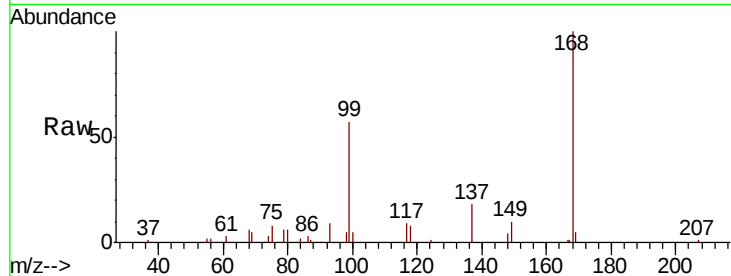
P001-SD009-0006-01

Tgt Ion:168 Resp: 10758

Ion Ratio Lower Upper

168 100

99 57.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

5000

4000

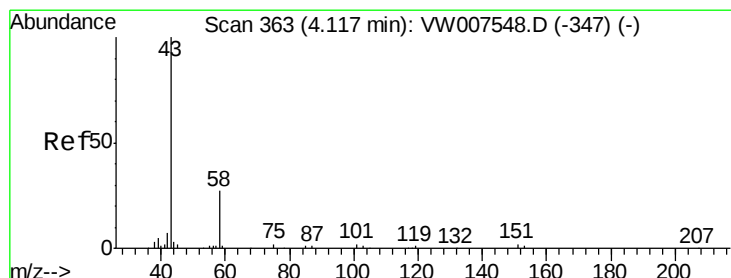
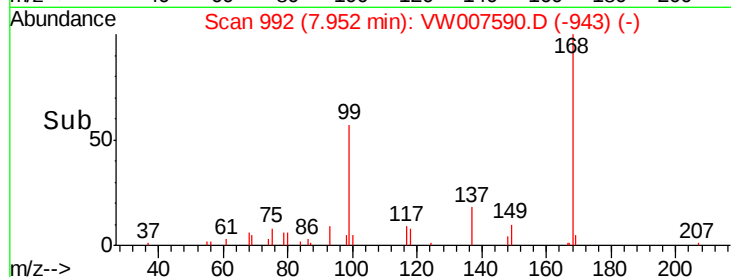
3000

2000

1000

0

Time--> 7.85 7.90 7.95 8.00



#16

Acetone

Concen: 530.336 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007590.D

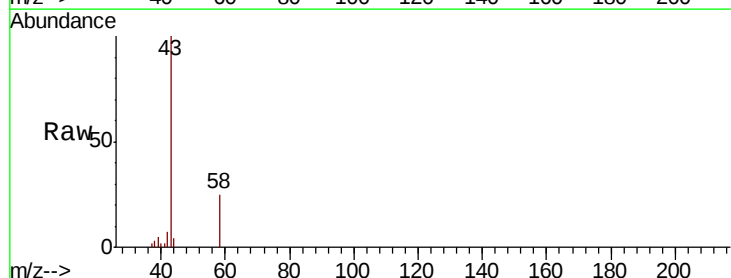
Acq: 15 Dec 2018 18:45

Tgt Ion: 43 Resp: 11056

Ion Ratio Lower Upper

43 100

58 24.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

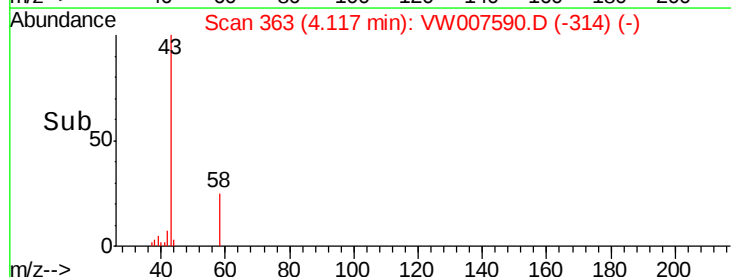
3000

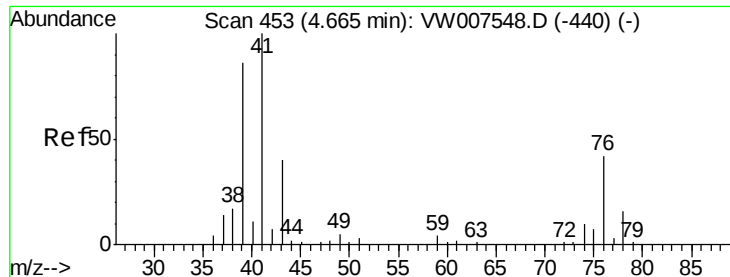
2000

1000

0

Time--> 4.00 4.05 4.10 4.15 4.20

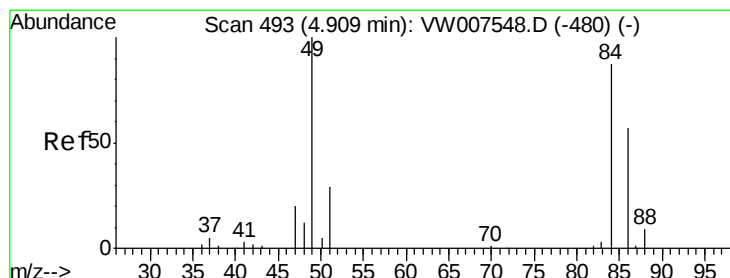
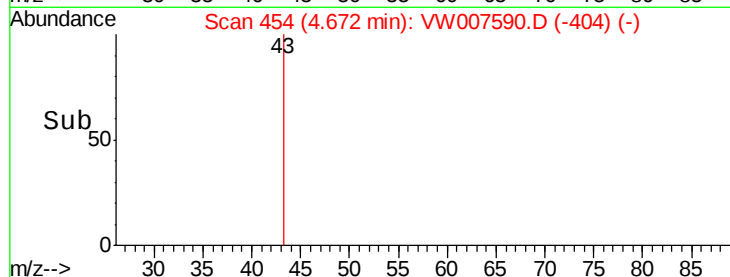
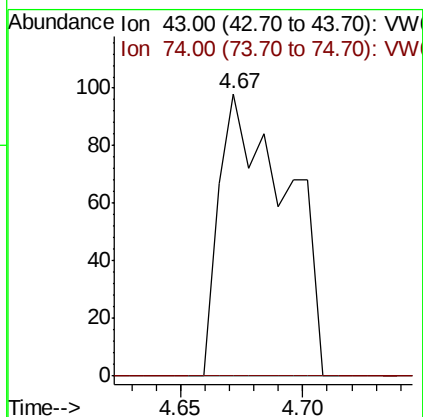
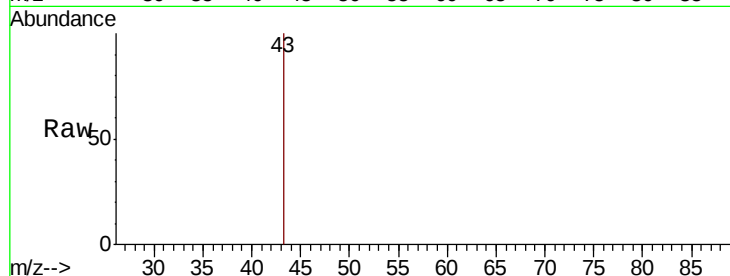




#18
Methyl Acetate
Concen: 3.340 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

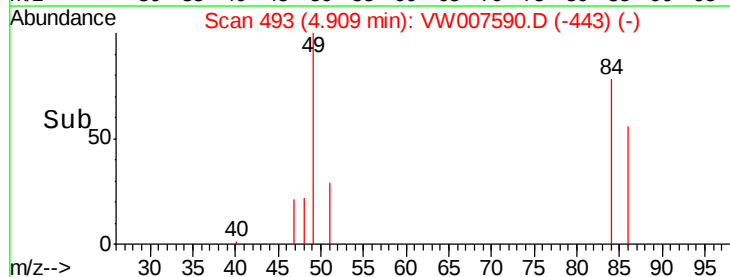
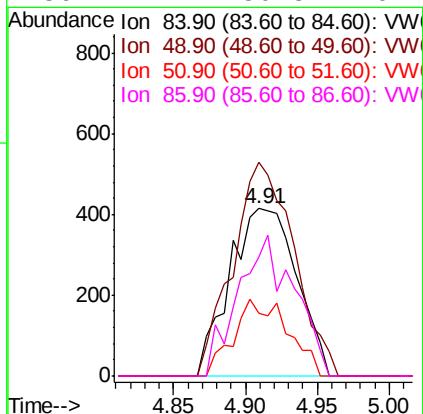
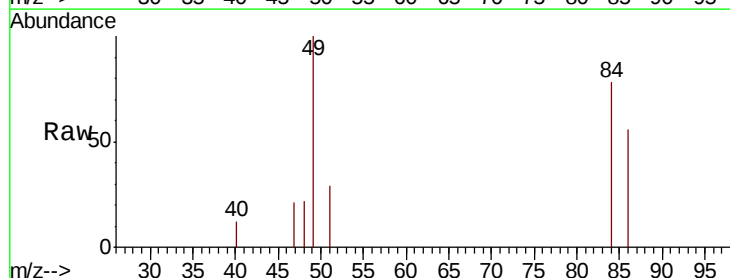
Instrument :
MSVOA_W
ClientSampleId :
P001-SD009-0006-01

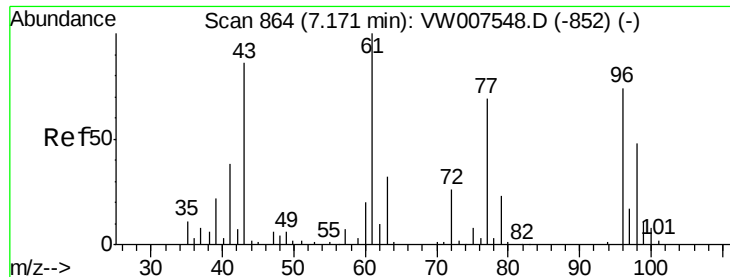
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#20
Methylene Chloride
Concen: 8.531 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

Tgt Ion: 84 Resp: 1343
Ion Ratio Lower Upper
84 100
49 127.5 87.1 130.7
51 37.6 28.2 42.2
86 71.1 50.8 76.2





#25

2-Butanone

Concen: 1431.988 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

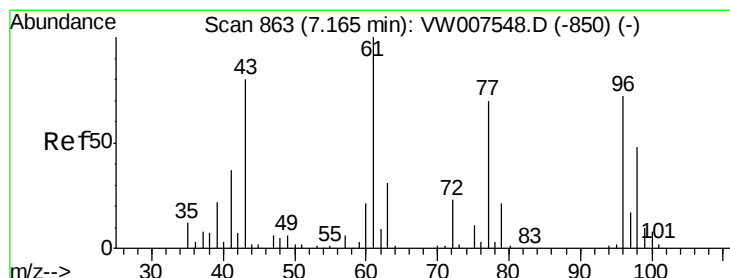
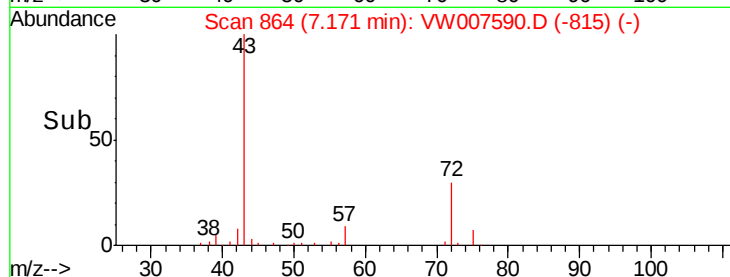
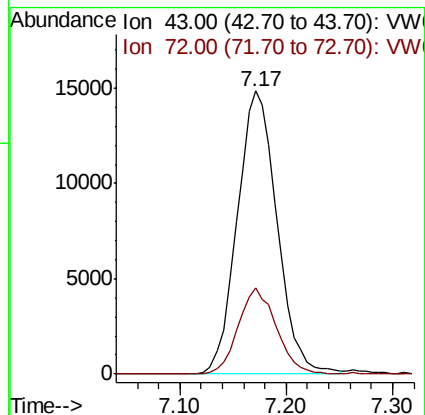
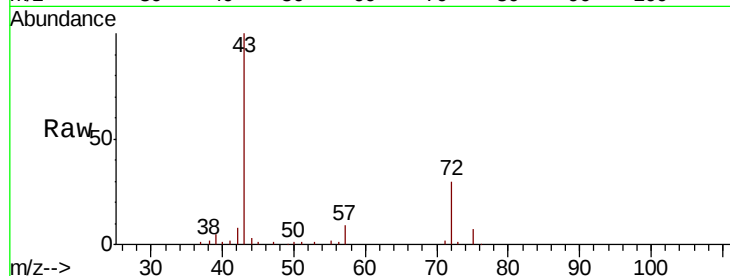
P001-SD009-0006-01

Tgt Ion: 43 Resp: 38973

Ion Ratio Lower Upper

43 100

72 30.4 23.4 35.2



#26

2,2-Dichloropropane

Concen: 1.765 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007590.D

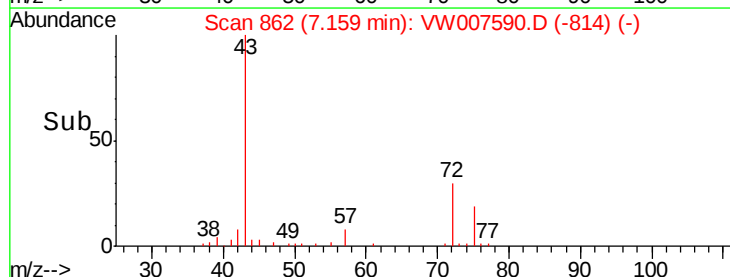
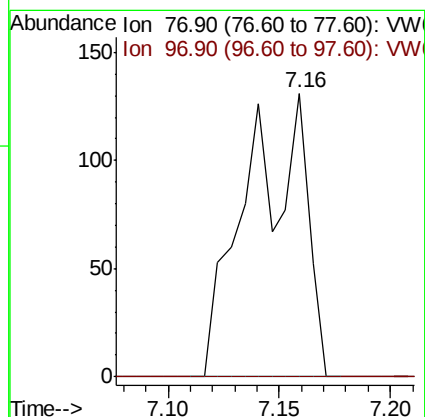
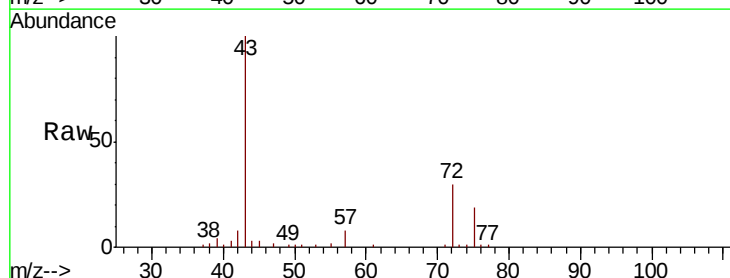
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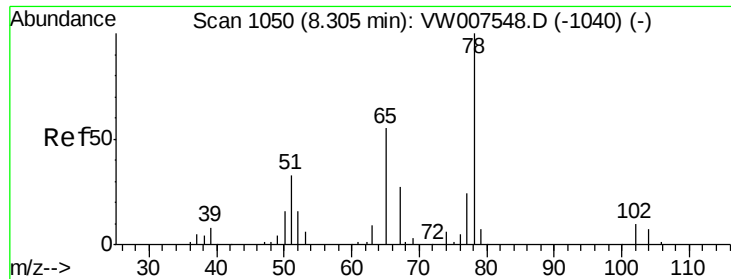
Tgt Ion: 77 Resp: 236

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

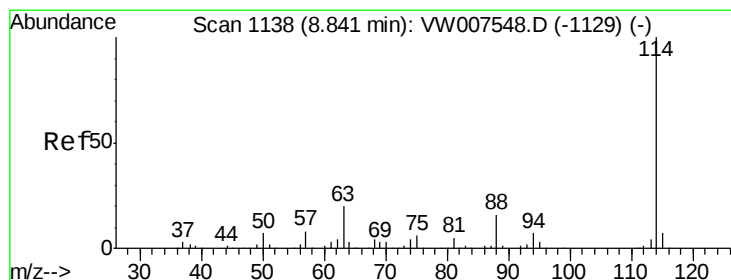
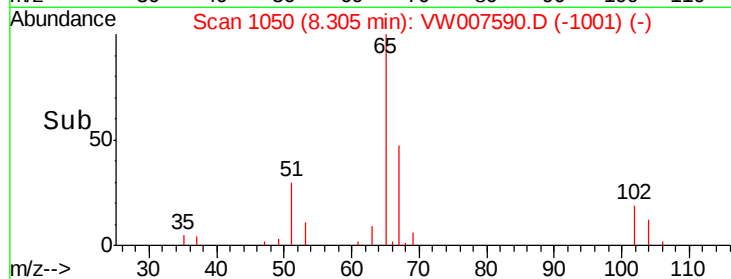
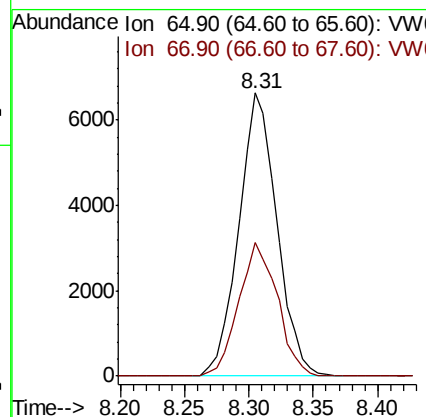
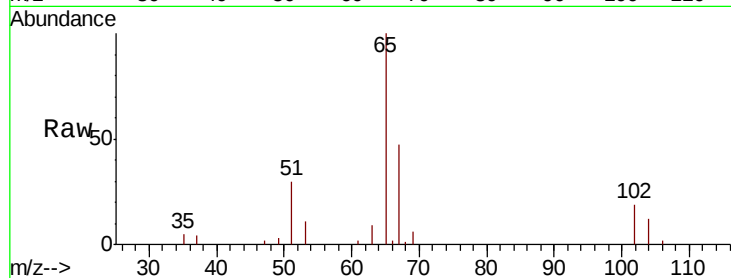




#33
 1,2-Dichloroethane-d4
 Concen: 113.807 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007590.D
 Acq: 15 Dec 2018 18:45

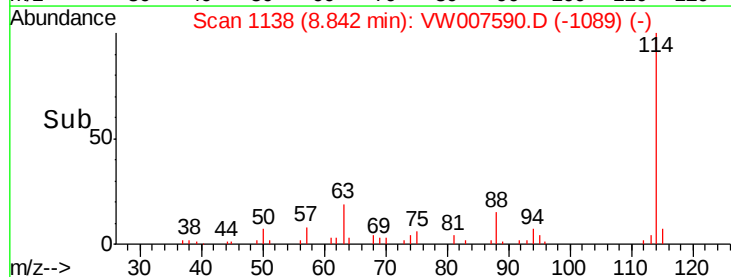
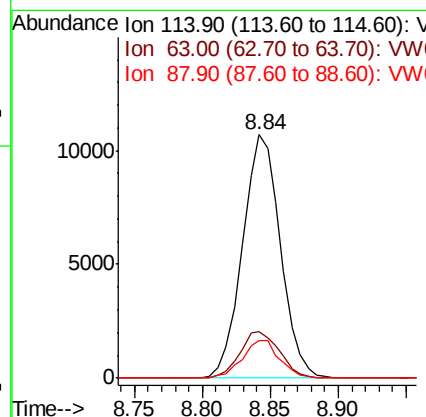
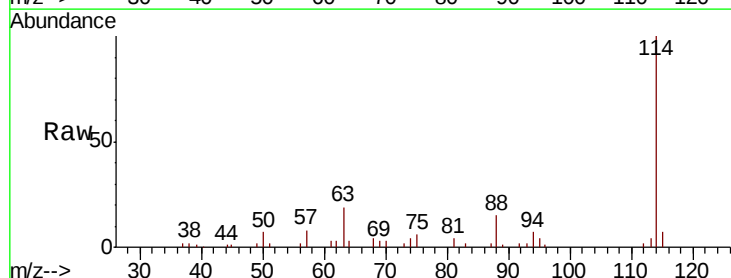
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD009-0006-01

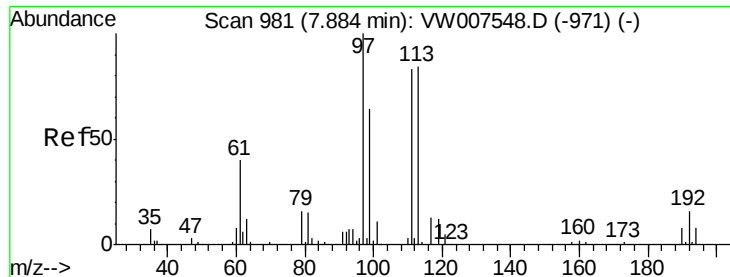
Tgt Ion: 65 Resp: 13583
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007590.D
 Acq: 15 Dec 2018 18:45

Tgt Ion: 114 Resp: 20813
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 76.244 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

P001-SD009-0006-01

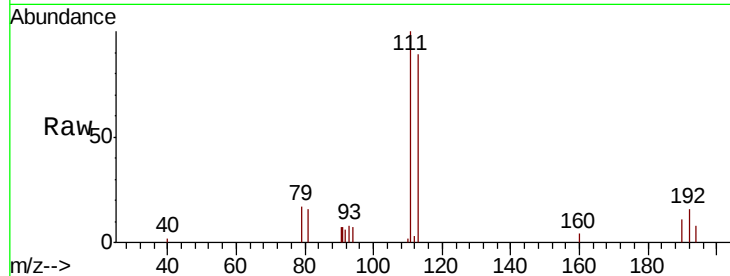
Tgt Ion:113 Resp: 9606

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

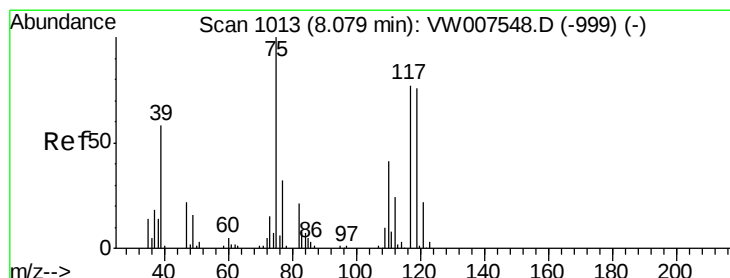
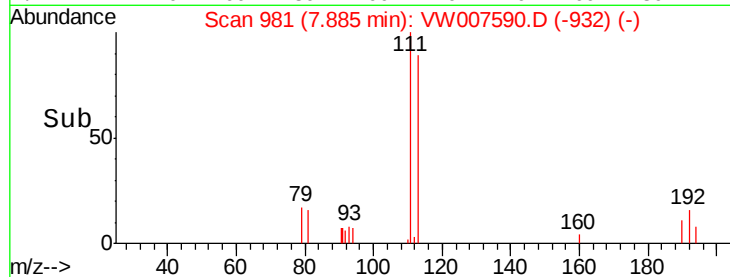
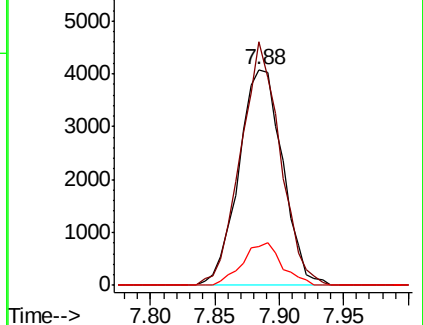
192 17.7 14.6 21.8



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: 4.967 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

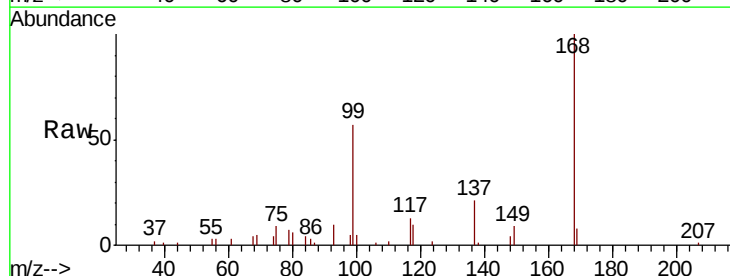
Tgt Ion: 75 Resp: 943

Ion Ratio Lower Upper

75 100

110 3.5 18.5 55.5#

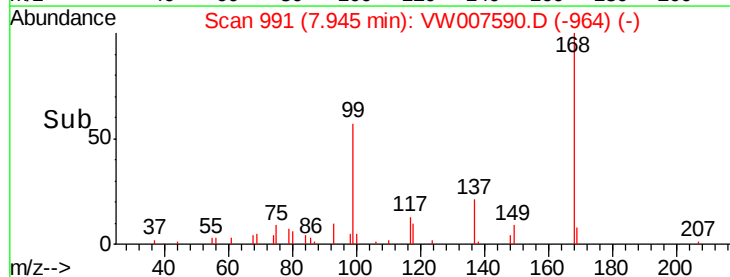
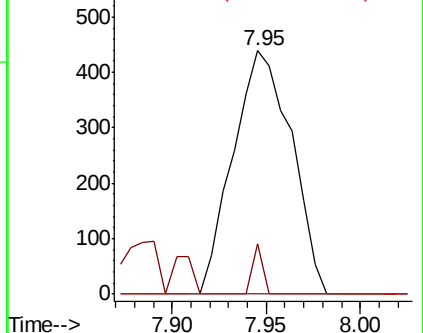
77 0.0 25.6 38.4#

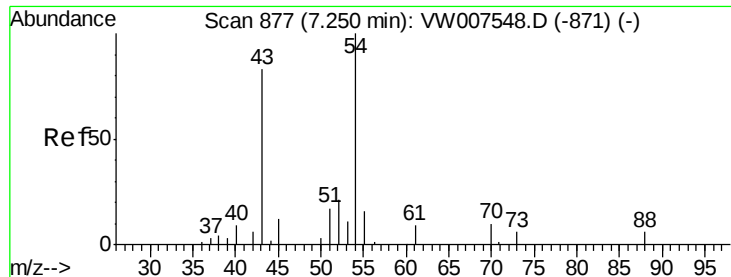


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

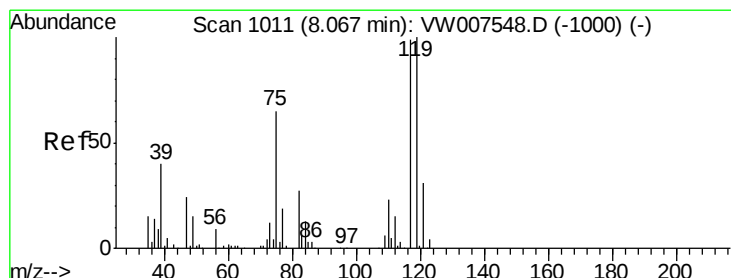
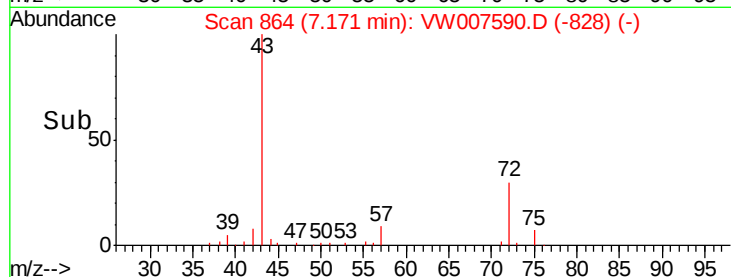
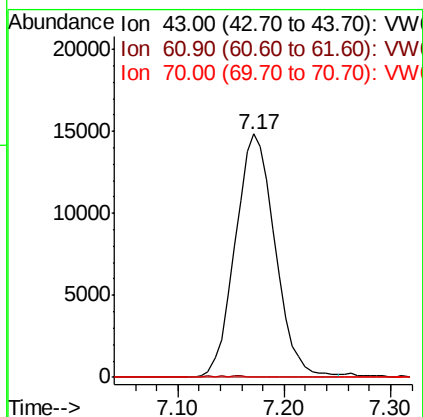
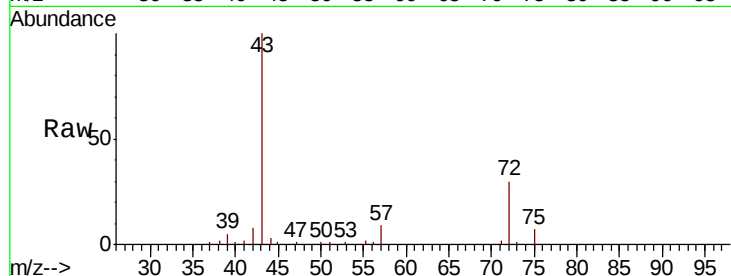




#37
Ethyl Acetate
Concen: 551.892 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

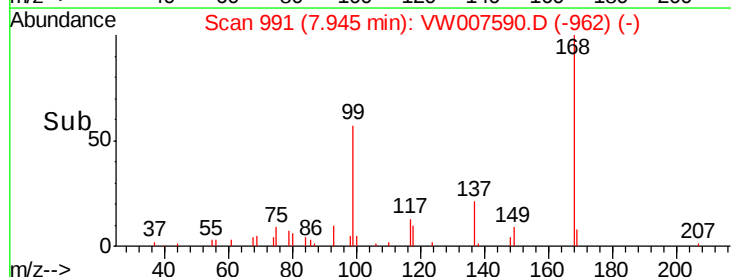
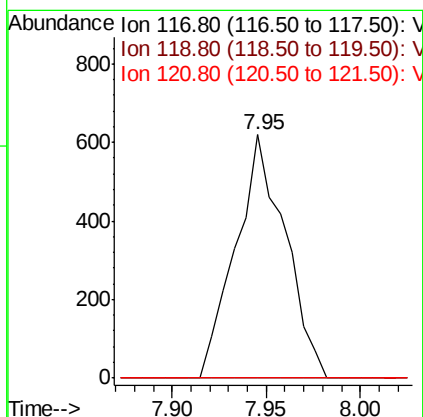
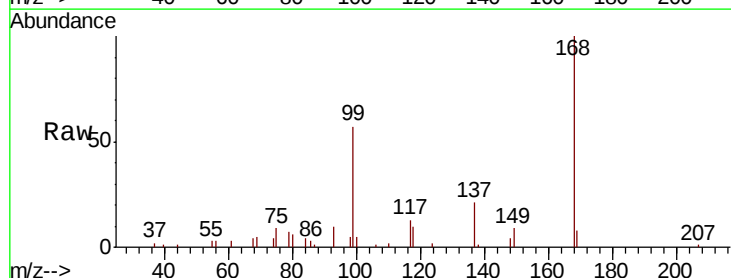
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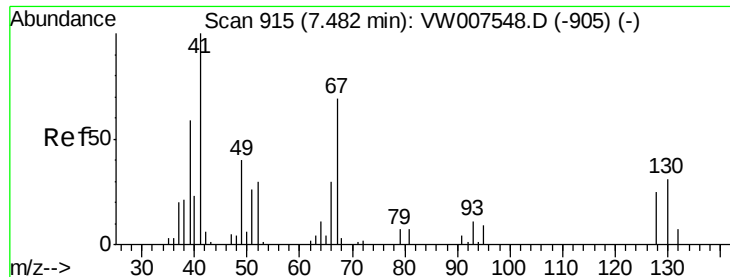
Tgt Ion: 43 Resp: 38973
Ion Ratio Lower Upper
43 100
61 0.4 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

Tgt Ion: 117 Resp: 1127
Ion Ratio Lower Upper
117 100
119 0.0 74.3 111.5#
121 0.0 24.3 36.5#

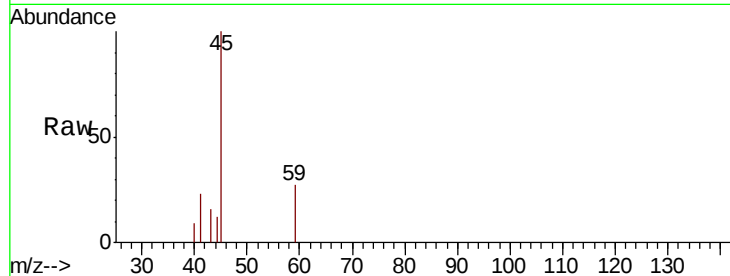




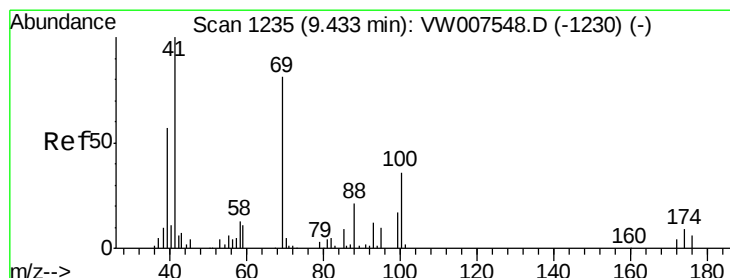
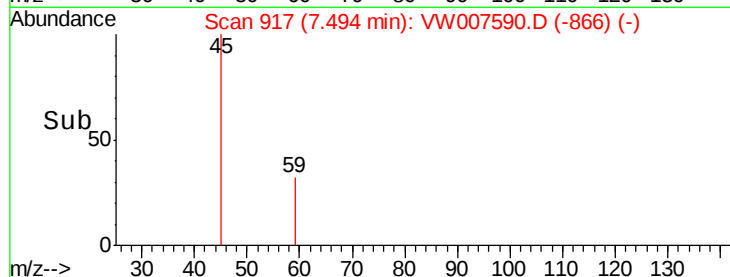
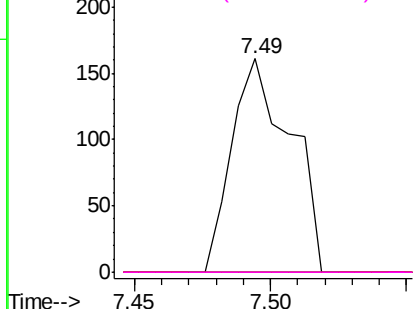
#41
Methacrylonitrile
Concen: 5.993 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

Instrument :
MSVOA_W
ClientSampleId :
P001-SD009-0006-01

Tgt Ion:	41	Resp:	241
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.2#
67	0.0	60.5	90.7#
52	0.0	25.3	37.9#

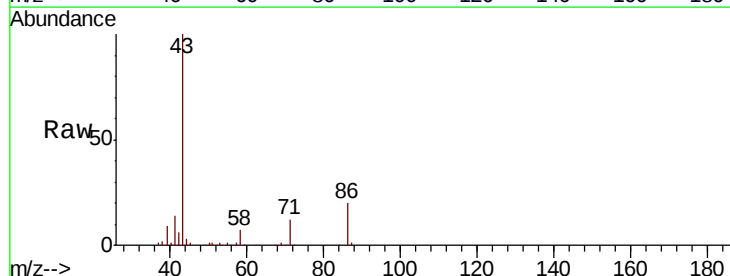


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

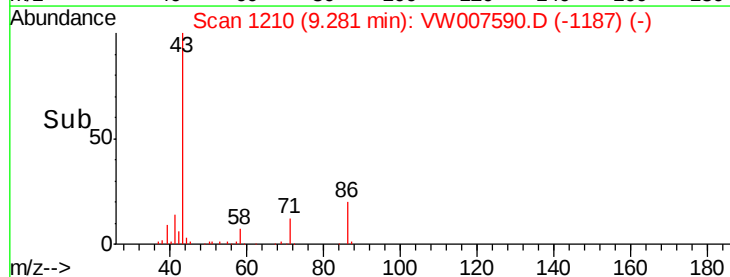
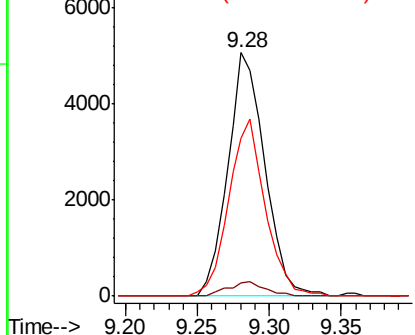


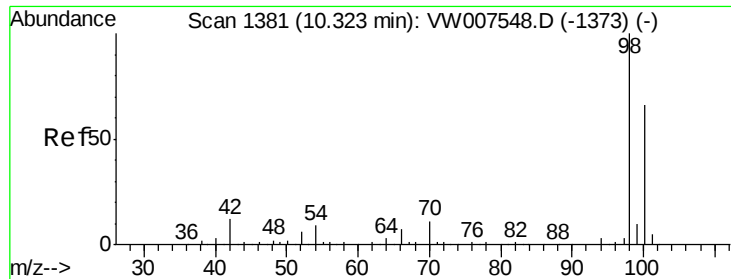
#48
Methyl methacrylate
Concen: 126.843 ug/l
RT: 9.28 min Scan# 1210
Delta R.T. -0.16 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

Tgt Ion:	41	Resp:	9087
Ion	Ratio	Lower	Upper
41	100		
69	5.9	69.8	104.8#
39	71.9	50.9	76.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 49.273 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

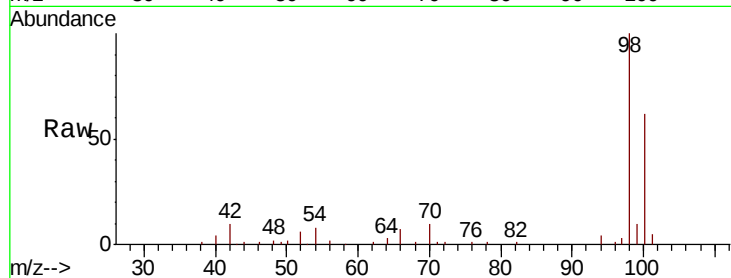
P001-SD009-0006-01

Tgt Ion: 98 Resp: 23276

Ion Ratio Lower Upper

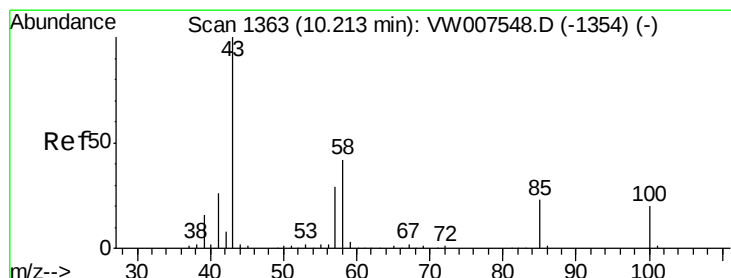
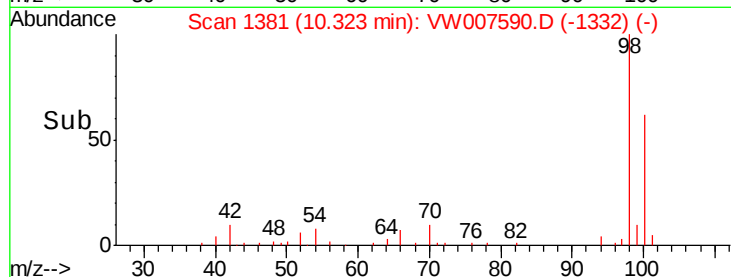
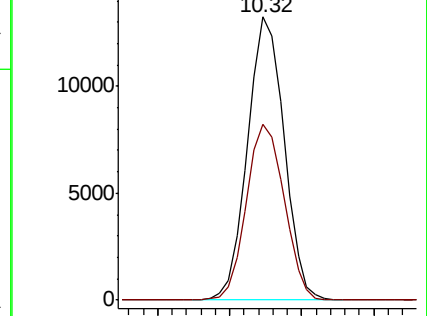
98 100

100 64.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 6.828 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007590.D

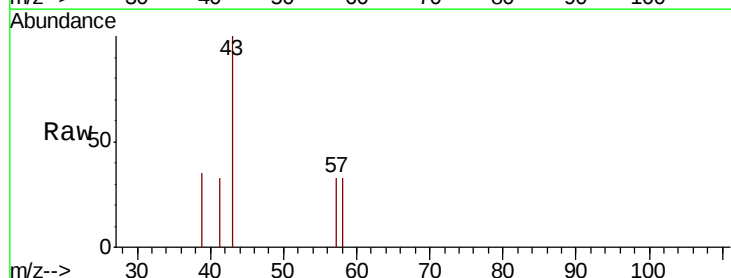
Acq: 15 Dec 2018 18:45

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

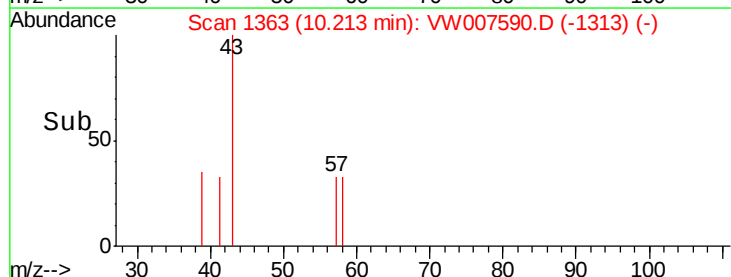
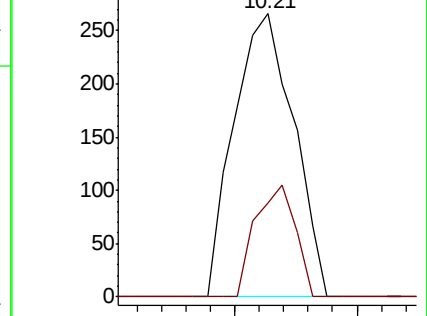
43 100

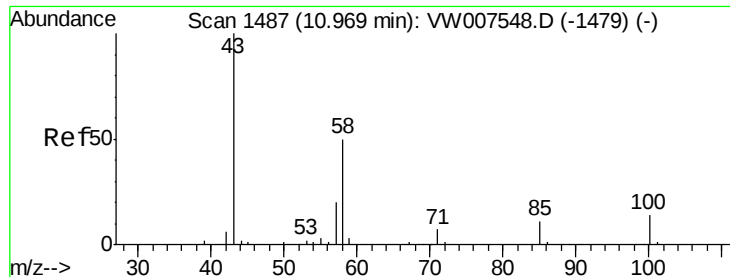
58 26.4 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 382.678 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

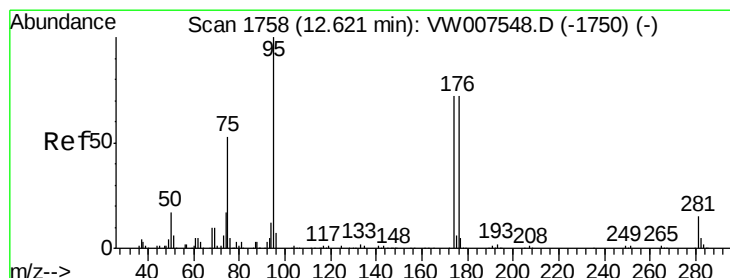
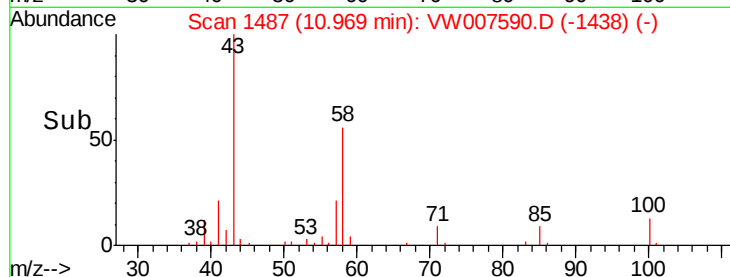
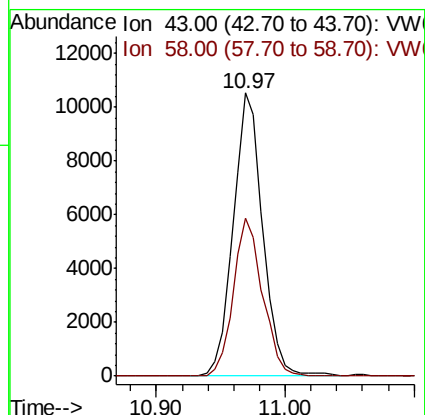
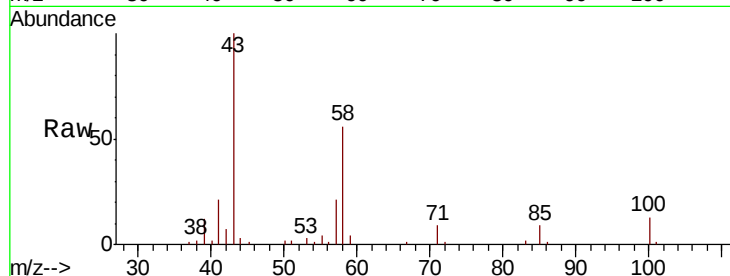
P001-SD009-0006-01

Tgt Ion: 43 Resp: 16818

Ion Ratio Lower Upper

43 100

58 55.1 27.1 81.3



#62

4-Bromofluorobenzene

Concen: 38.650 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

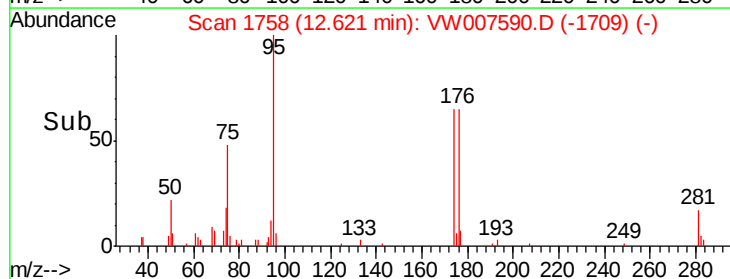
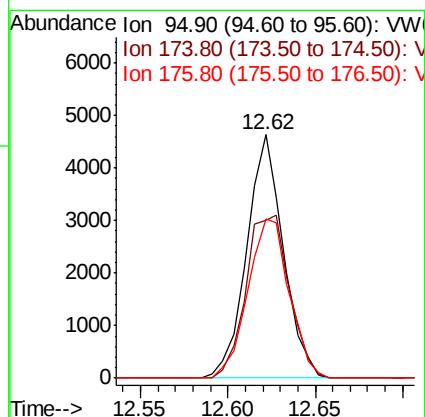
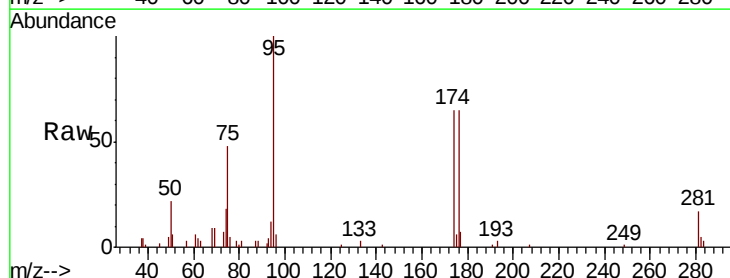
Tgt Ion: 95 Resp: 6713

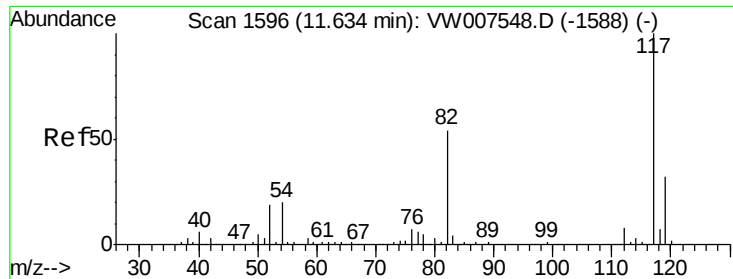
Ion Ratio Lower Upper

95 100

174 79.9 0.0 147.2

176 73.9 0.0 138.8

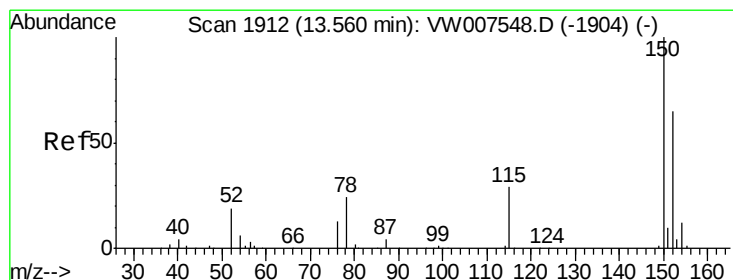
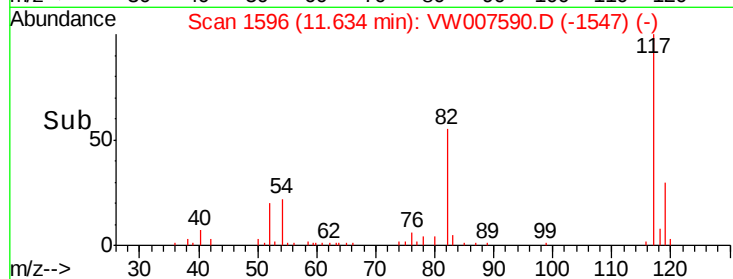
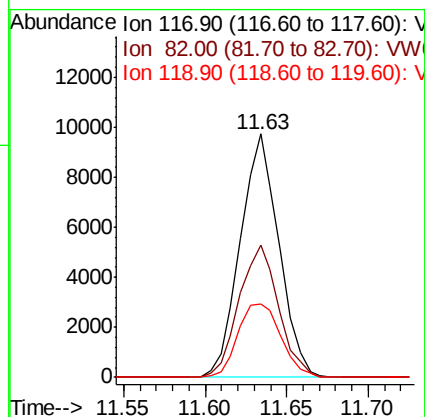
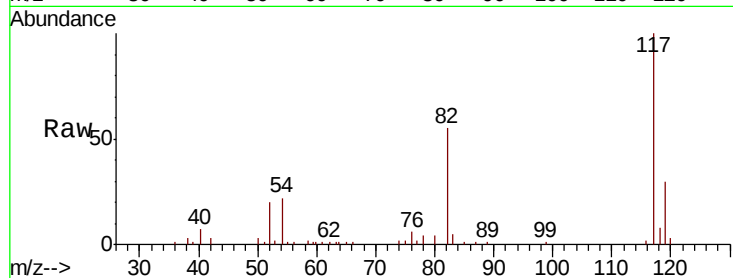




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

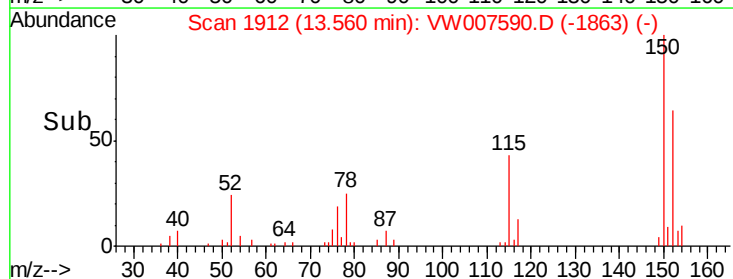
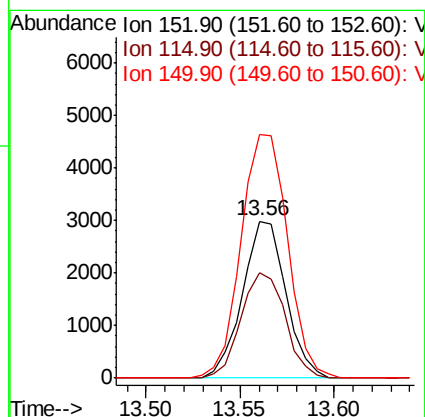
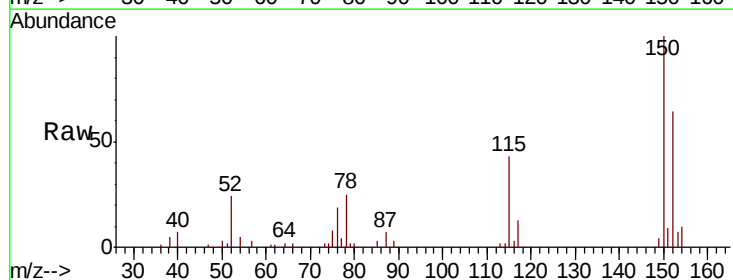
Instrument :
MSVOA_W
ClientSampleId :
P001-SD009-0006-01

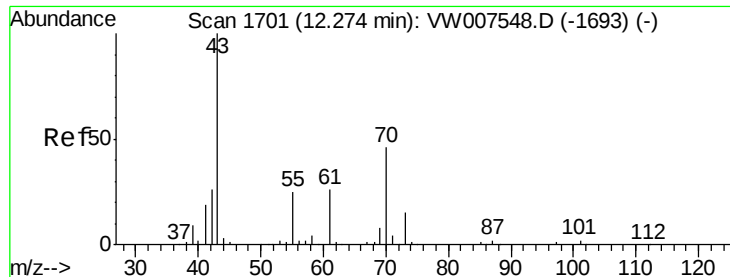
Tgt Ion:117 Resp: 16013
Ion Ratio Lower Upper
117 100
82 54.6 42.3 63.5
119 30.1 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007590.D
Acq: 15 Dec 2018 18:45

Tgt Ion:152 Resp: 4766
Ion Ratio Lower Upper
152 100
115 68.3 31.4 94.2
150 166.4 0.0 358.4





#74

N-amyI acetate

Concen: 3045.761 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

P001-SD009-0006-01

Tgt Ion: 43 Resp: 202147

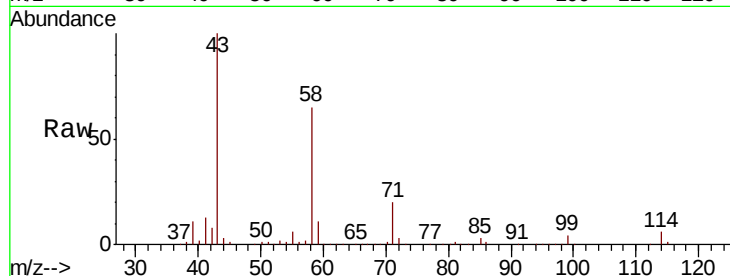
Ion Ratio Lower Upper

43 100

70 0.6 36.5 54.7#

55 6.1 20.1 30.1#

61 0.1 19.3 28.9#

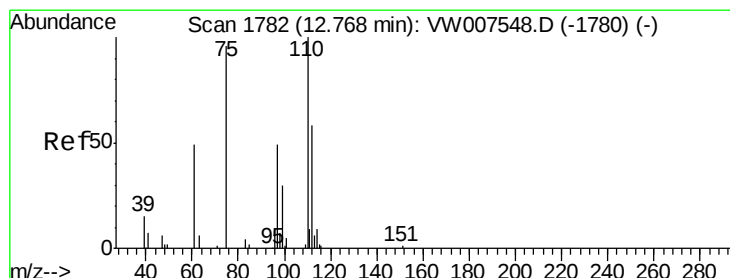
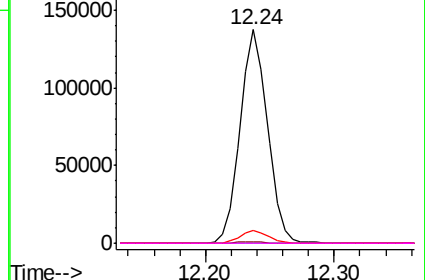
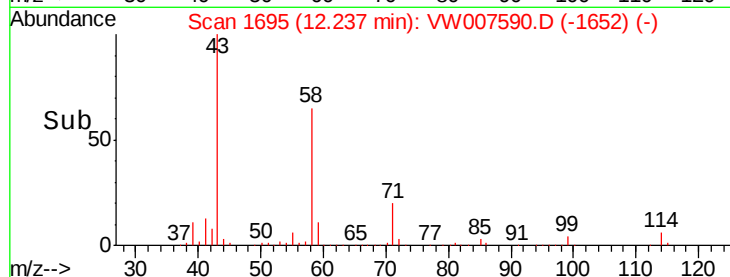


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 90.694 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007590.D

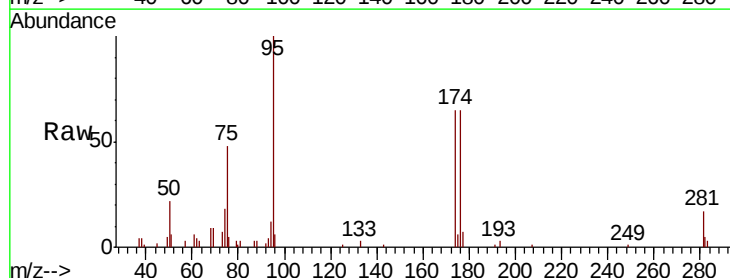
Acq: 15 Dec 2018 18:45

Tgt Ion: 75 Resp: 3564

Ion Ratio Lower Upper

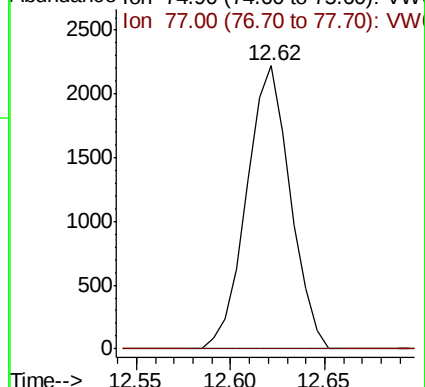
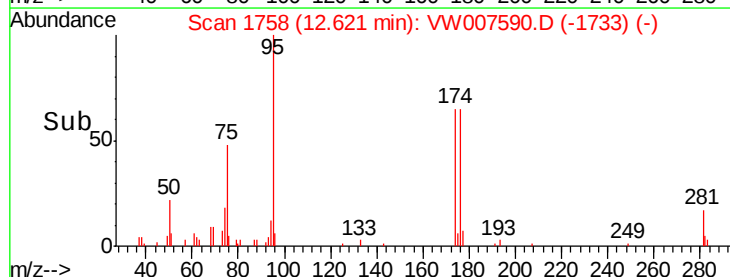
75 100

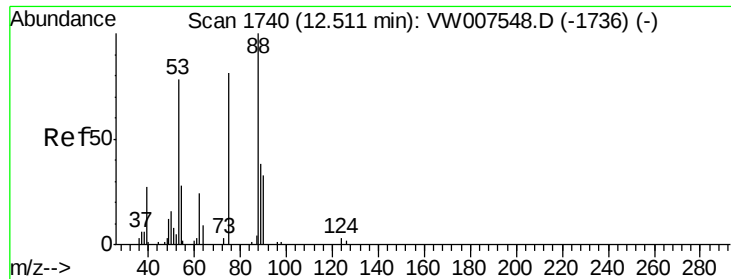
77 0.0 166.9 500.8#



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: 200.343 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007590.D

Acq: 15 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

P001-SD009-0006-01

Tgt Ion: 75 Resp: 3564

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

