

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007589.D
 Acq On : 15 Dec 2018 18:19
 Operator : SY/AP
 Sample : J6378-03
 Misc : 4.37G/5ML/MSVOA_W/SOIL
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD008-0612-01

Quant Time: Dec 15 20:26:01 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	15434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	28787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	20942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5881	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	18071	105.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	211.08%	
35) Dibromofluoromethane	7.88	113	13261	76.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.20%	
50) Toluene-d8	10.32	98	31081	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.62	95	8657	36.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.08%	

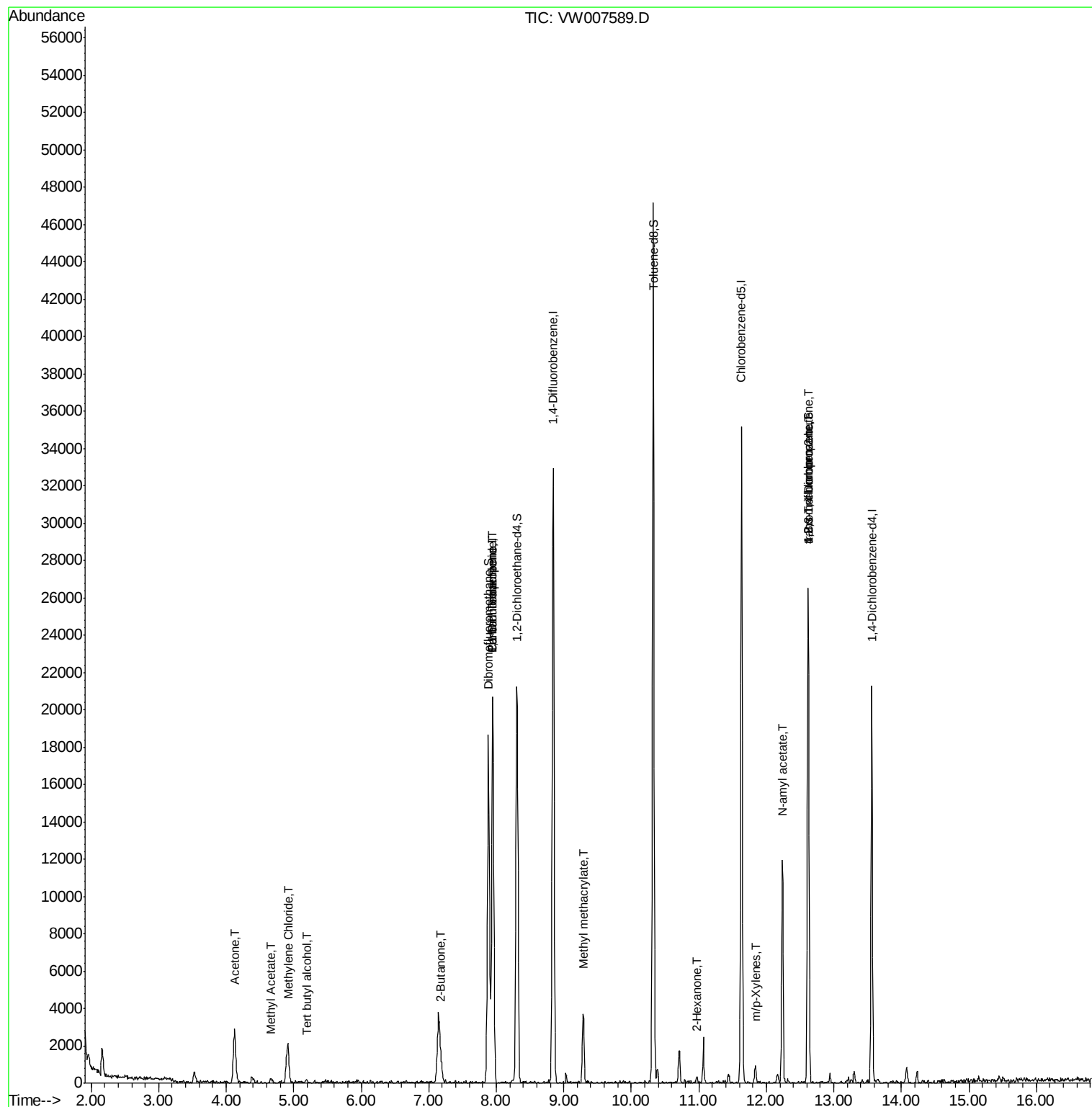
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	40	3.401	ug/l #	74
16) Acetone	4.12	43	4950	165.505	ug/l	93
18) Methyl Acetate	4.67	43	410	5.051	ug/l #	63
20) Methylene Chloride	4.91	84	1688	6.947	ug/l #	87
25) 2-Butanone	7.18	43	1809	46.331	ug/l	100
36) 1,1-Dichloropropene	7.95	75	1211	4.611	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1787	6.254	ug/l #	13
48) Methyl methacrylate	9.29	41	531	5.359	ug/l #	39
59) 2-Hexanone	10.98	43	185	3.043	ug/l	79
68) m/p-Xylenes	11.84	106	343	1.176	ug/l	85
74) N-amyl acetate	12.24	43	7082	86.474	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	4605	94.967	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	4605	209.783	ug/l #	7

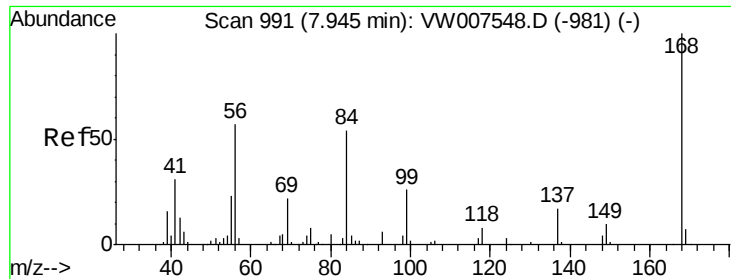
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

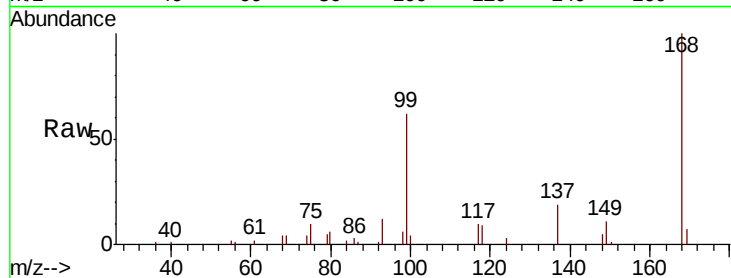
P001-SD008-0612-01

Tgt Ion: 168 Resp: 15434

Ion Ratio Lower Upper

168 100

99 61.6 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

8000

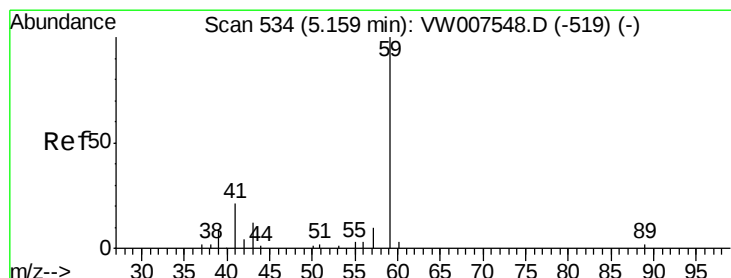
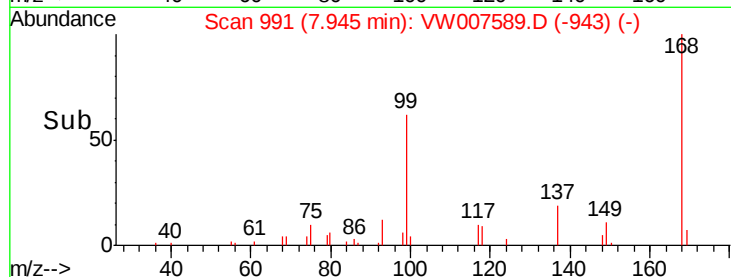
6000

4000

2000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.401 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007589.D

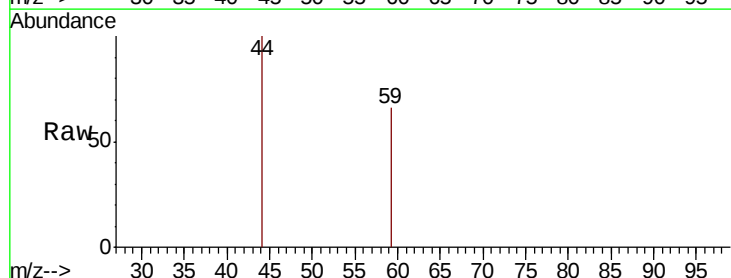
Acq: 15 Dec 2018 18:19

Tgt Ion: 59 Resp: 40

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

60

50

40

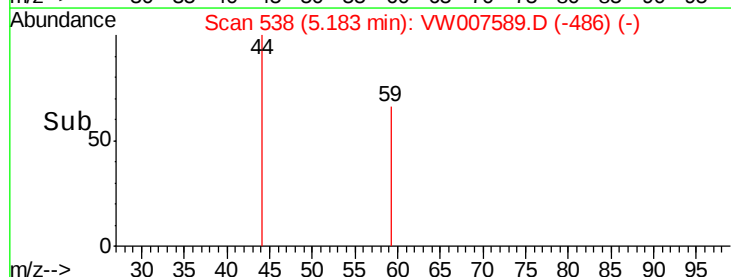
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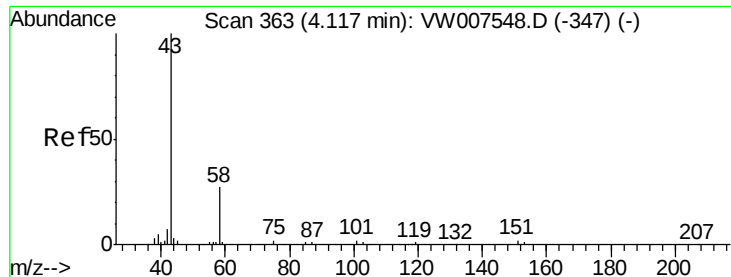
20

10

0

Time-->





#16

Acetone

Concen: 165.505 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

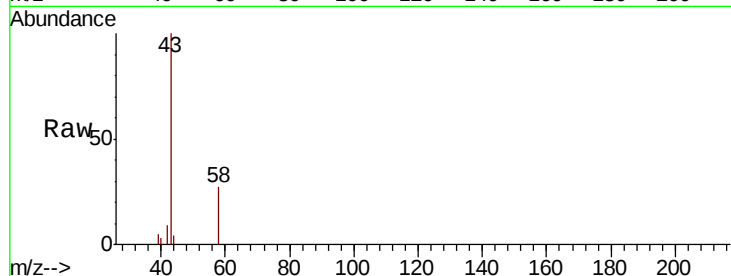
P001-SD008-0612-01

Tgt Ion: 43 Resp: 4950

Ion Ratio Lower Upper

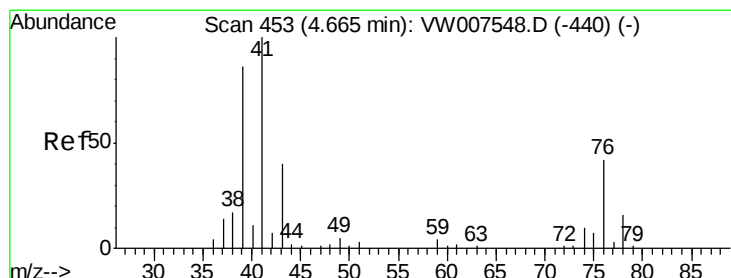
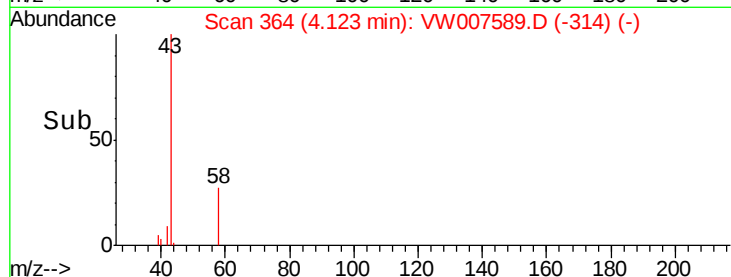
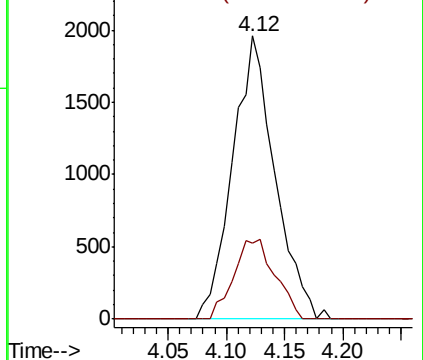
43 100

58 27.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 5.051 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007589.D

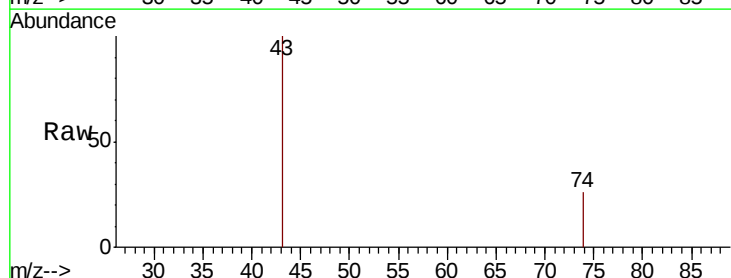
Acq: 15 Dec 2018 18:19

Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

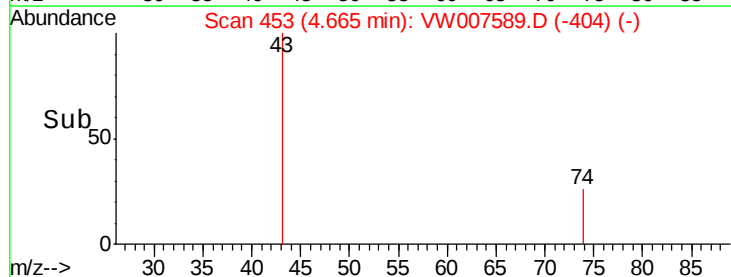
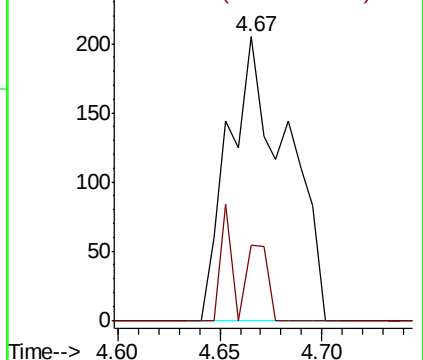
43 100

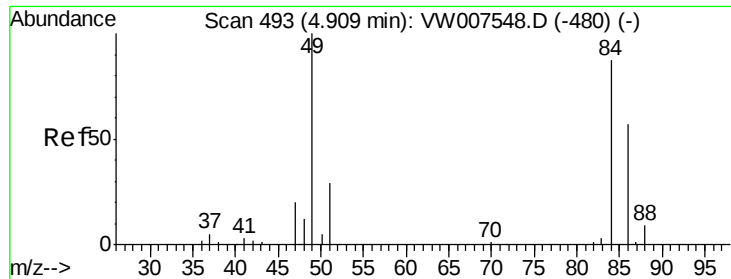
74 7.6 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

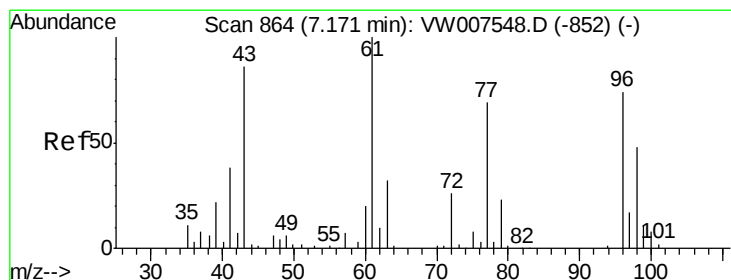
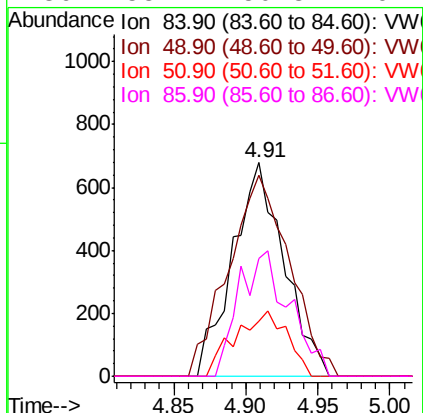
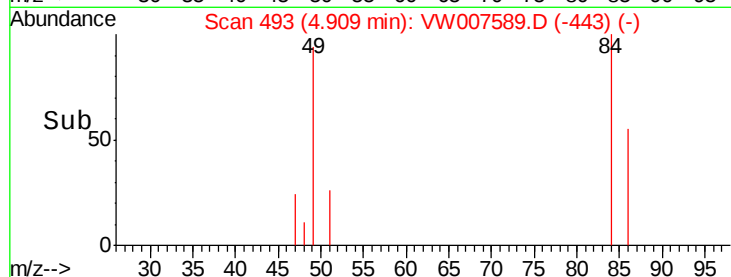
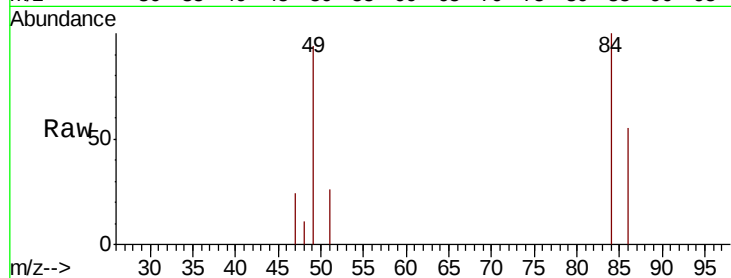




#20
Methylene Chloride
Concen: 6.947 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

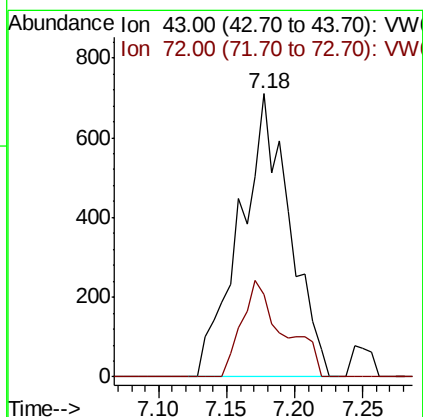
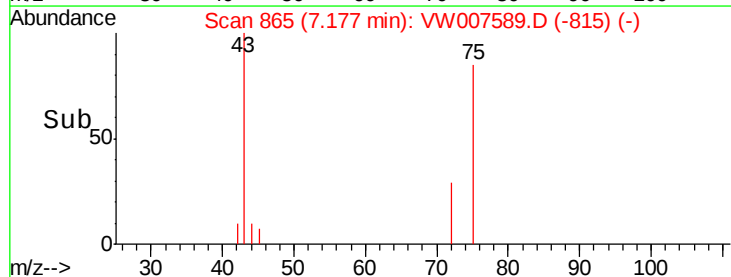
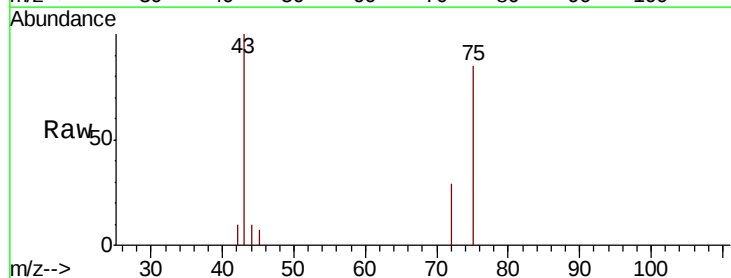
Instrument :
MSVOA_W
ClientSampleId :
P001-SD008-0612-01

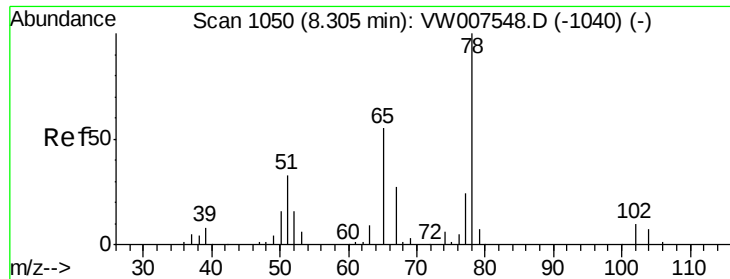
Tgt Ion: 84 Resp: 1688
Ion Ratio Lower Upper
84 100
49 94.3 87.1 130.7
51 26.1 28.2 42.2#
86 55.1 50.8 76.2



#25
2-Butanone
Concen: 46.331 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
72 29.2 23.4 35.2

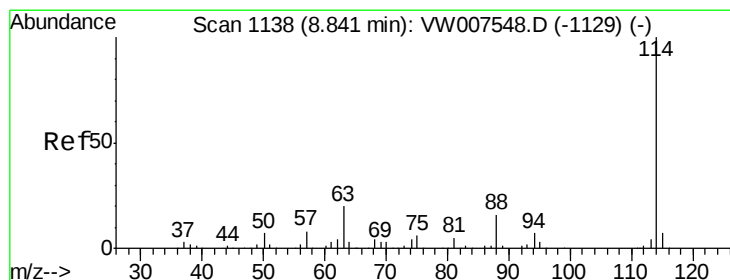
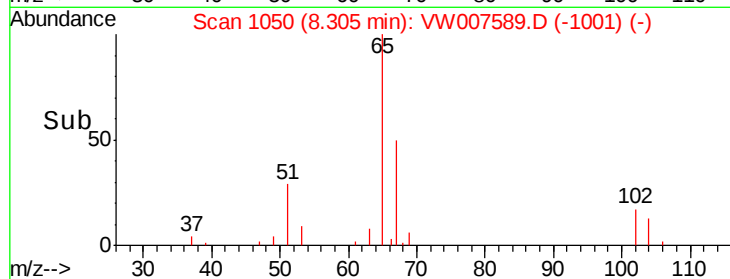
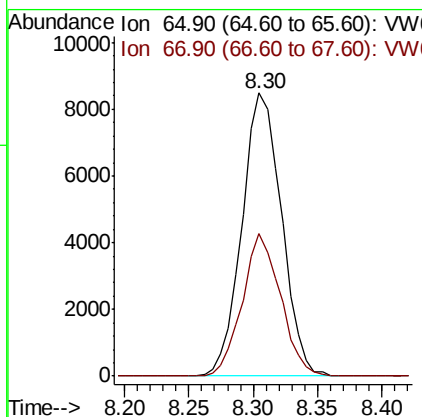
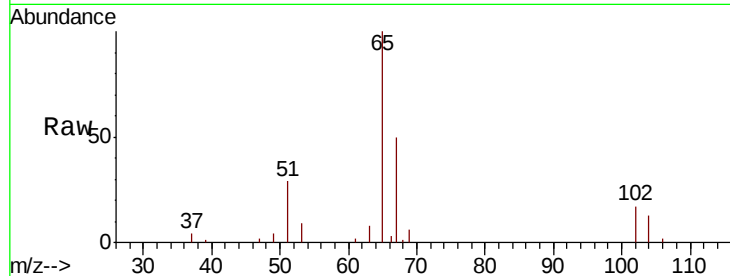




#33
 1,2-Dichloroethane-d4
 Concen: 105.538 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007589.D
 Acq: 15 Dec 2018 18:19

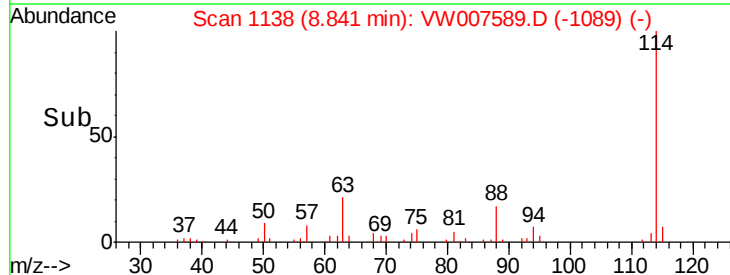
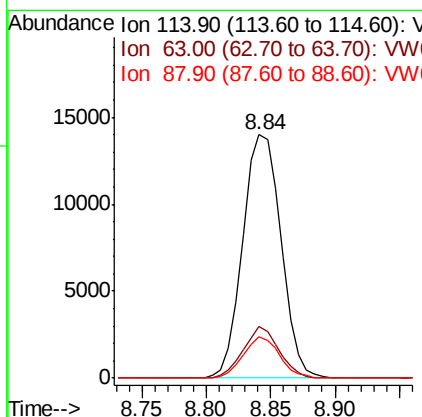
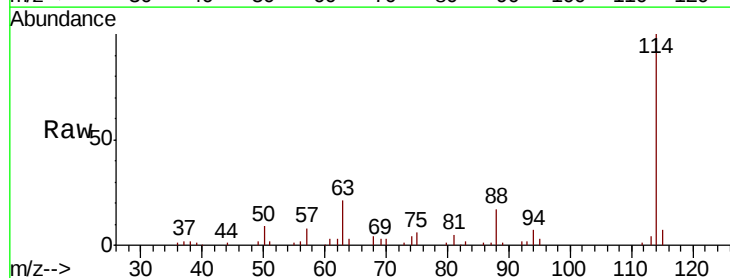
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD008-0612-01

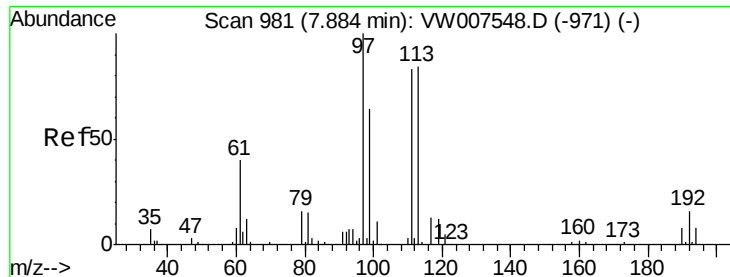
Tgt Ion: 65 Resp: 18071
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007589.D
 Acq: 15 Dec 2018 18:19

Tgt Ion: 114 Resp: 28787
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.6
 88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 76.099 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

P001-SD008-0612-01

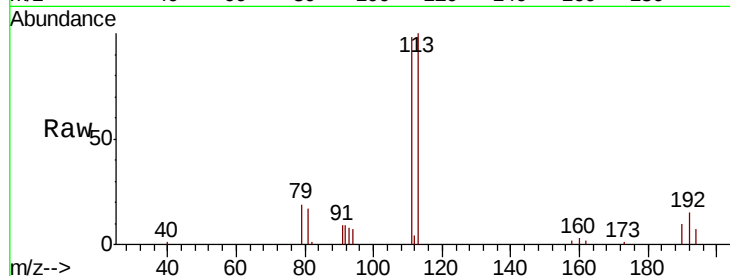
Tgt Ion:113 Resp: 13261

Ion Ratio Lower Upper

113 100

111 104.4 81.1 121.7

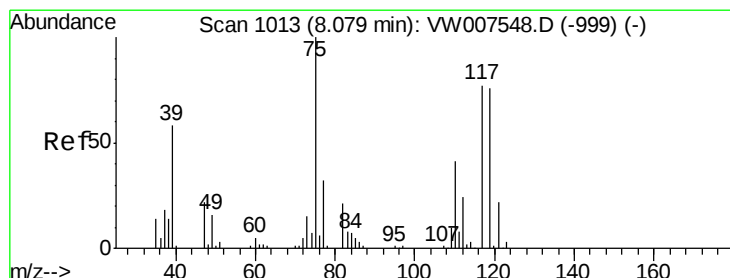
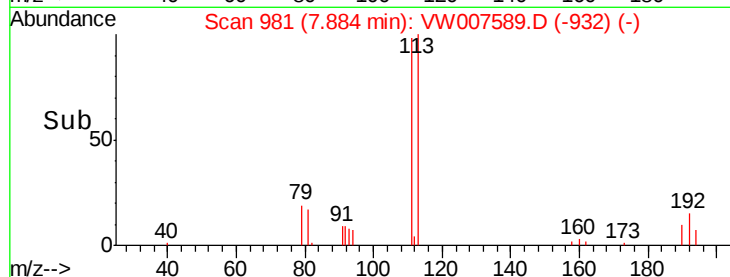
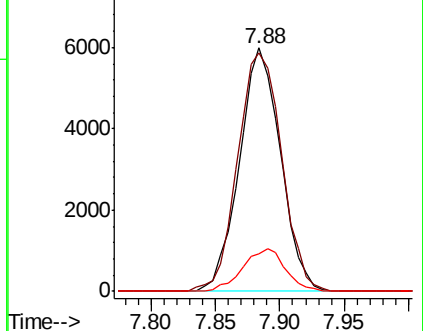
192 18.1 14.6 21.8



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: 4.611 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

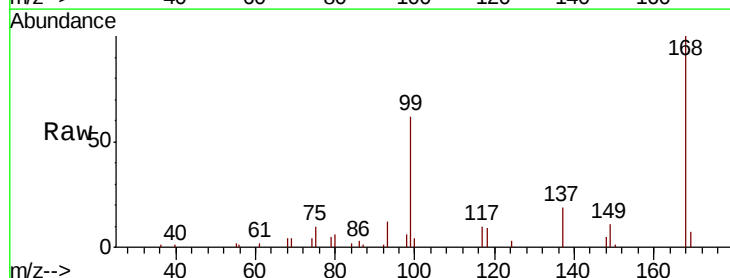
Tgt Ion: 75 Resp: 1211

Ion Ratio Lower Upper

75 100

110 0.0 18.5 55.5#

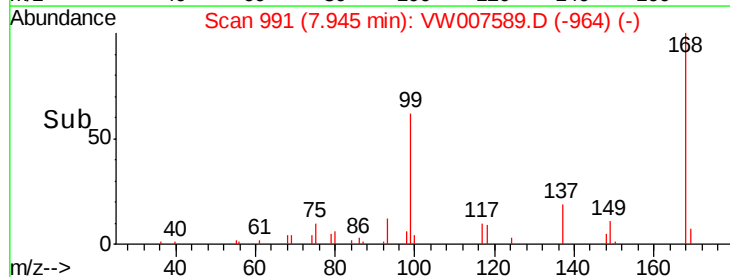
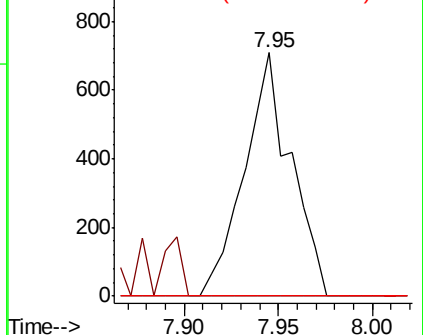
77 0.0 25.6 38.4#

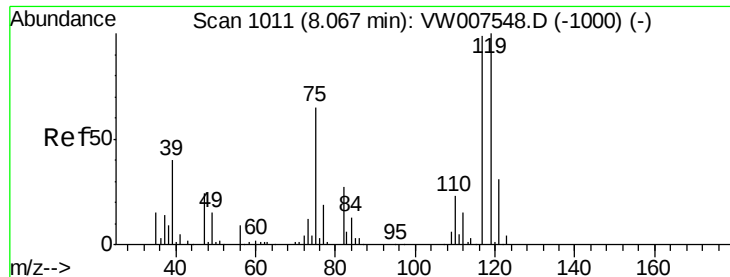


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.254 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

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P001-SD008-0612-01

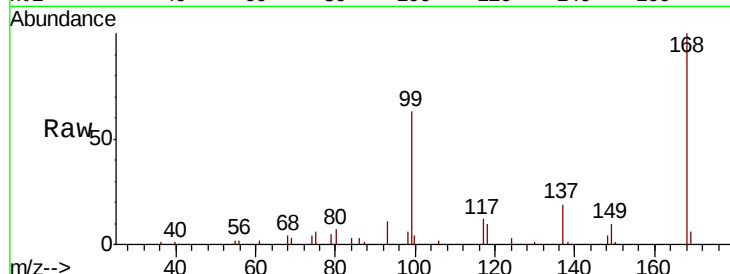
Tgt Ion:117 Resp: 1787

Ion Ratio Lower Upper

117 100

119 0.0 74.3 111.5#

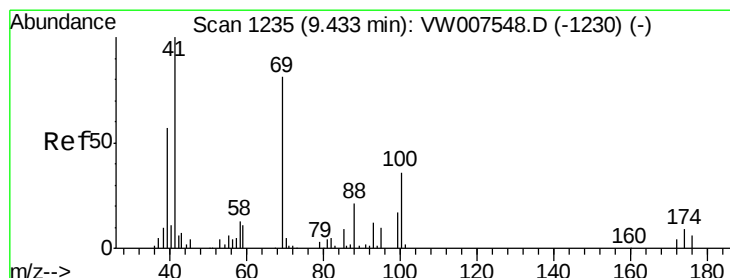
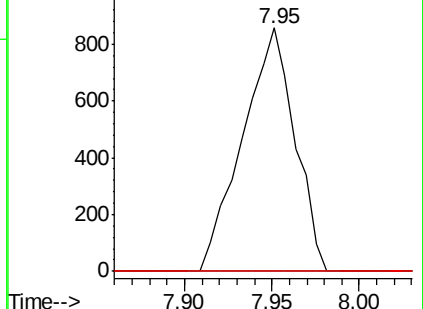
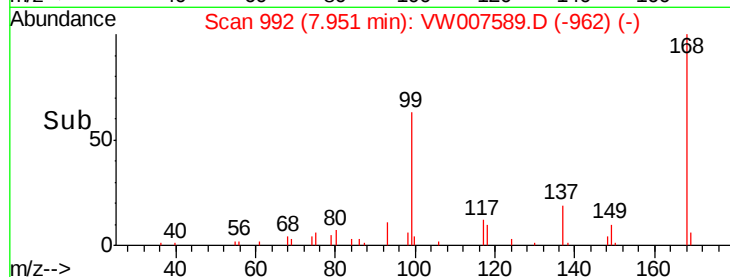
121 0.0 24.3 36.5#



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



#48

Methyl methacrylate

Concen: 5.359 ug/l

RT: 9.29 min Scan# 1212

Delta R.T. -0.15 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

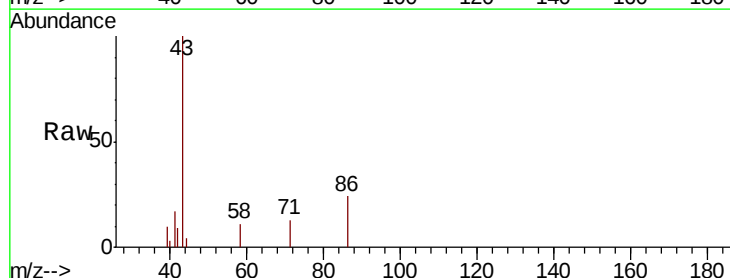
Tgt Ion: 41 Resp: 531

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

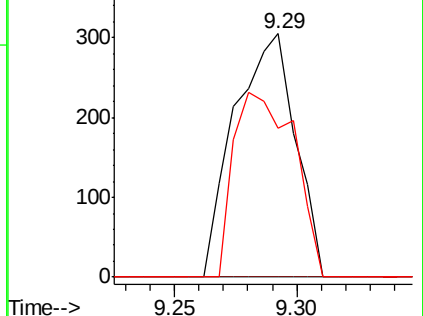
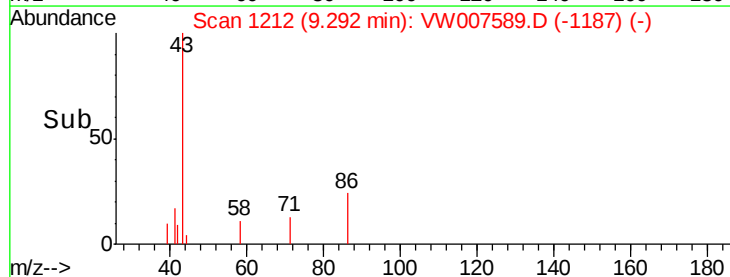
39 75.5 50.9 76.3

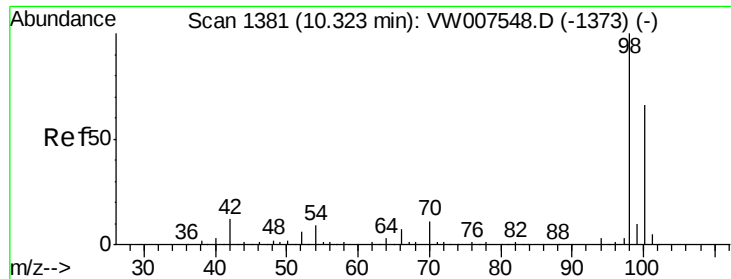


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 47.570 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

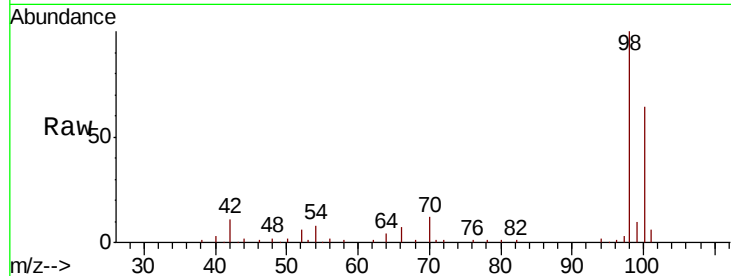
P001-SD008-0612-01

Tgt Ion: 98 Resp: 31081

Ion Ratio Lower Upper

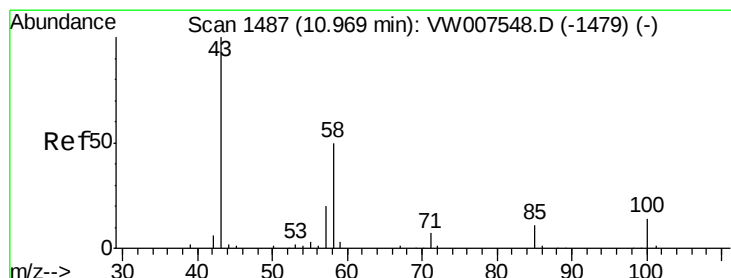
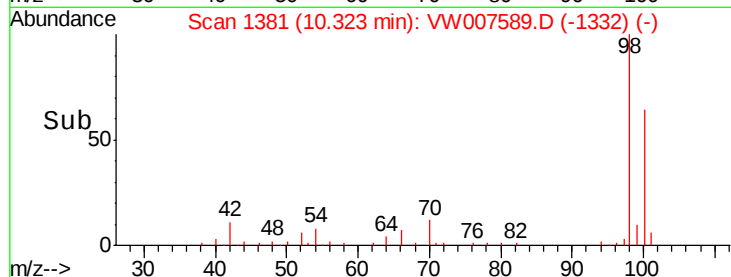
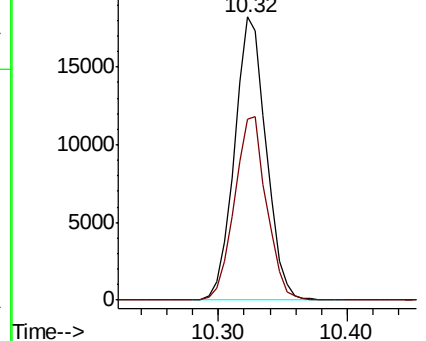
98 100

100 65.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

2-Hexanone

Concen: 3.043 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007589.D

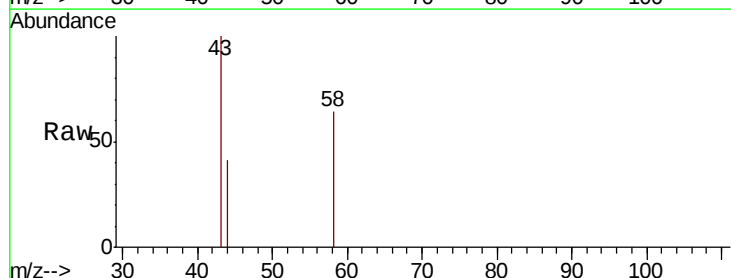
Acq: 15 Dec 2018 18:19

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

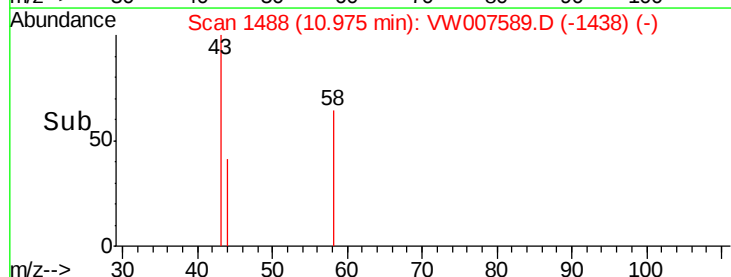
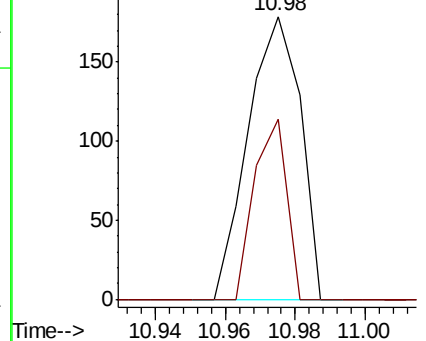
43 100

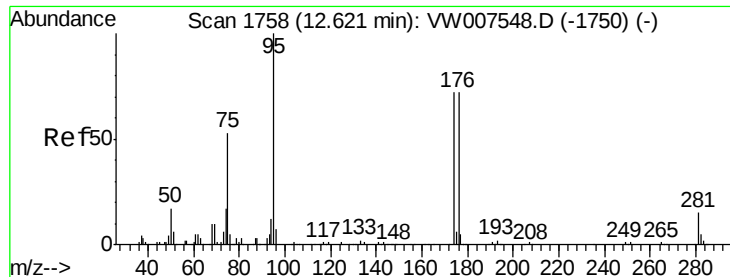
58 39.5 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

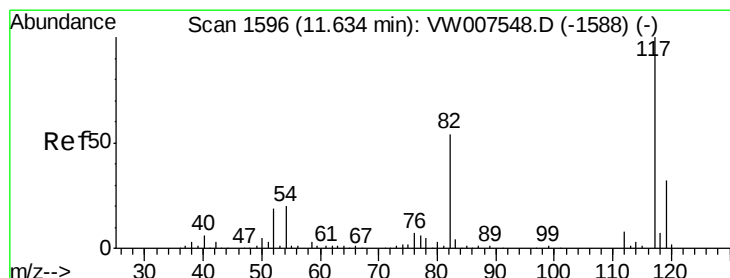
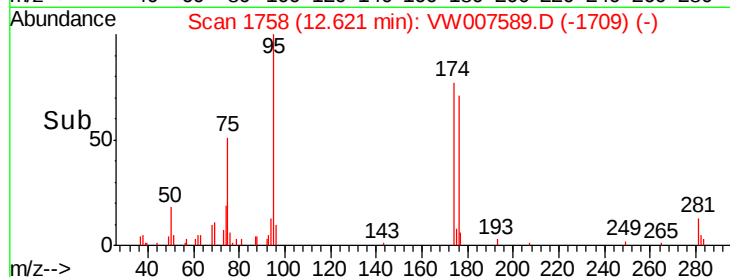
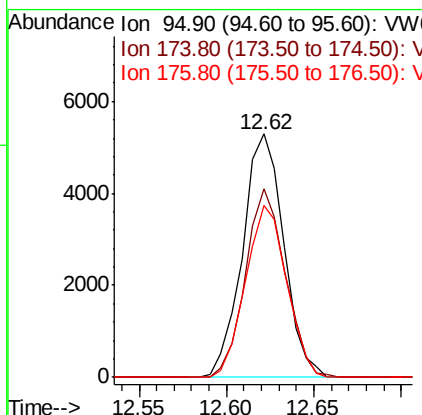
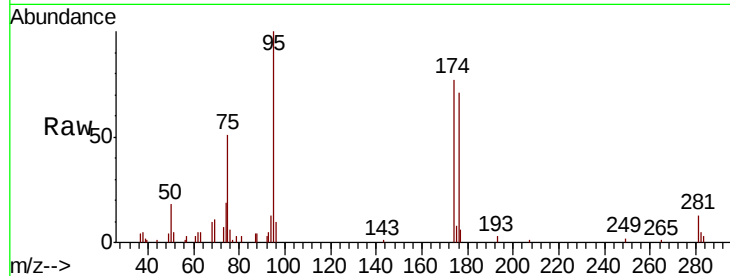




#62
4-Bromofluorobenzene
Concen: 36.036 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

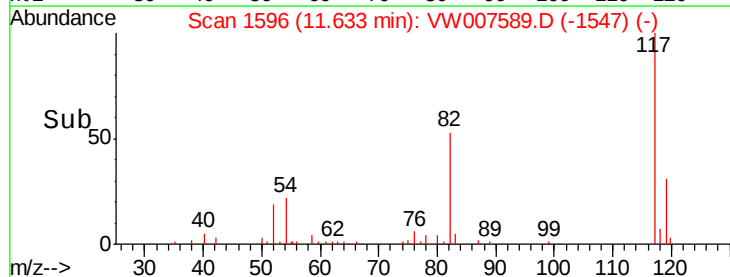
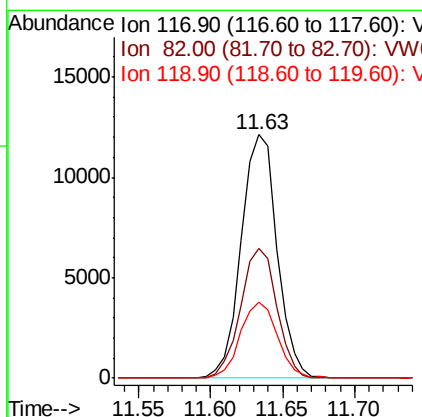
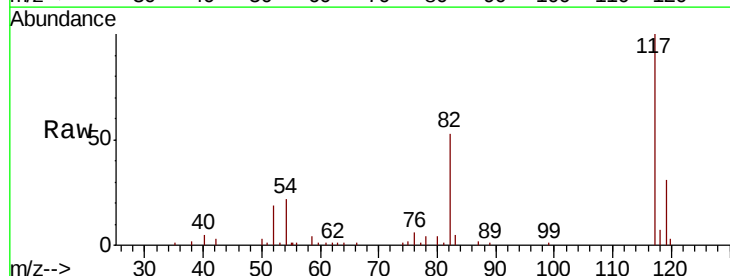
Instrument :
MSVOA_W
ClientSampleId :
P001-SD008-0612-01

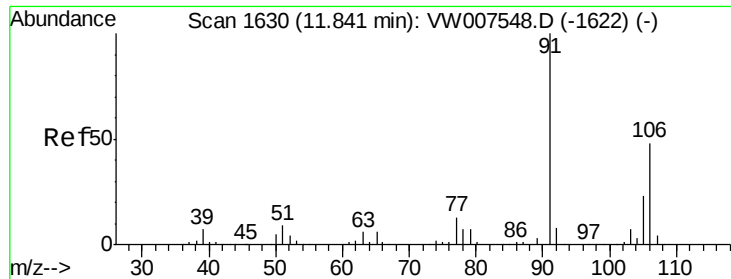
Tgt Ion: 95 Resp: 8657
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.2
176 70.6 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

Tgt Ion: 117 Resp: 20942
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 31.0 23.0 34.6

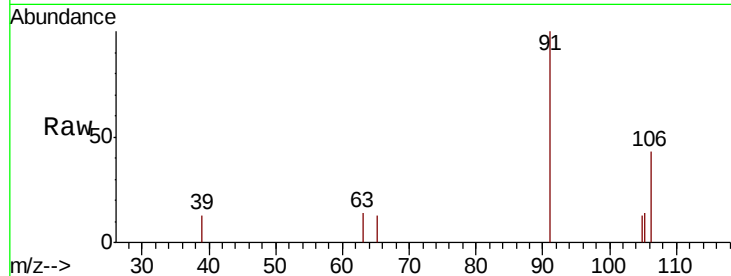




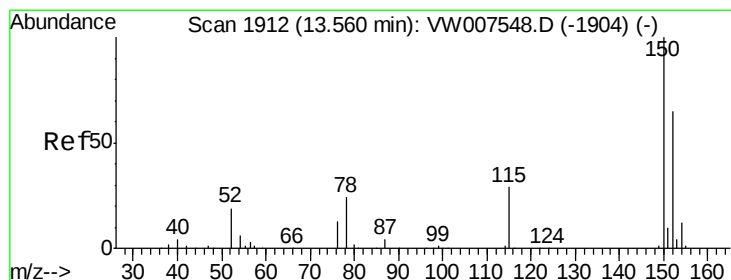
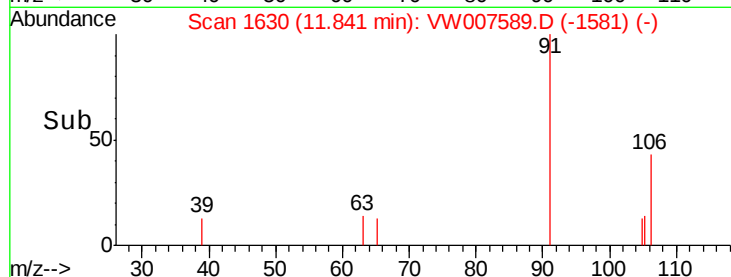
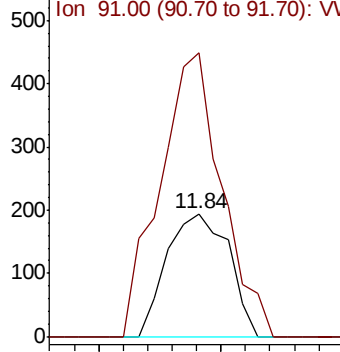
#68
m/p-Xylenes
Concen: 1.176 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

Instrument :
MSVOA_W
ClientSampleId :
P001-SD008-0612-01

Tgt Ion:106 Resp: 343
Ion Ratio Lower Upper
106 100
91 229.4 165.3 247.9

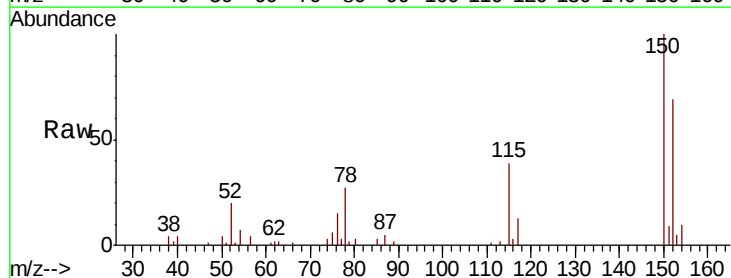


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

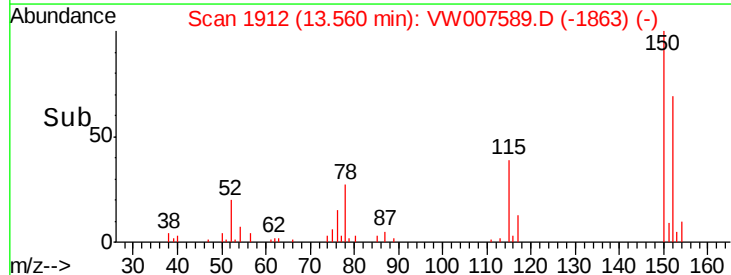
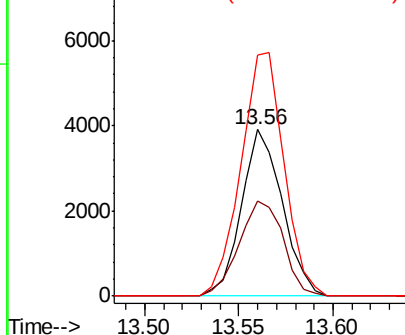


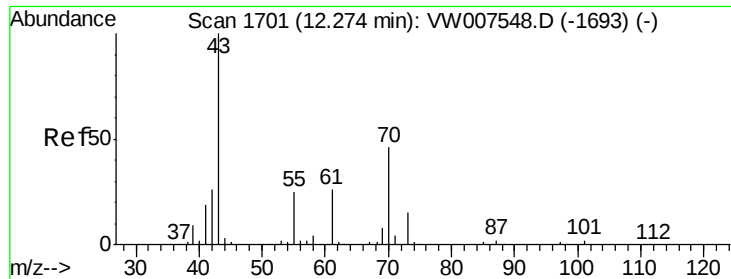
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007589.D
Acq: 15 Dec 2018 18:19

Tgt Ion:152 Resp: 5881
Ion Ratio Lower Upper
152 100
115 61.5 31.4 94.2
150 153.8 0.0 358.4



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: 86.474 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

P001-SD008-0612-01

Tgt Ion: 43 Resp: 7082

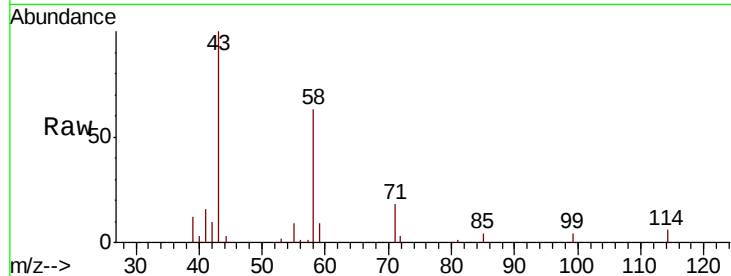
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 8.2 20.1 30.1#

61 0.0 19.3 28.9#

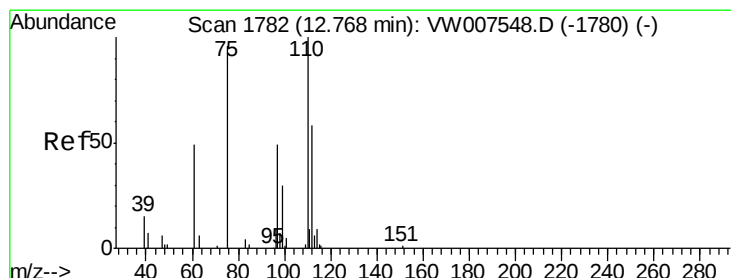
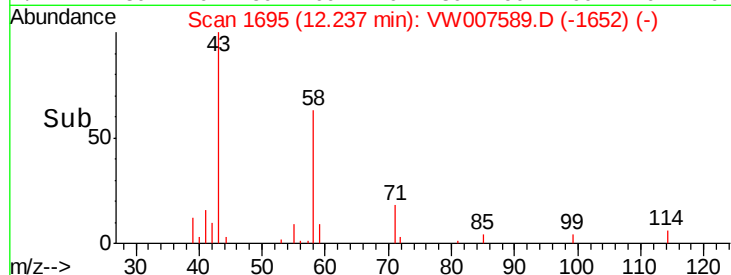
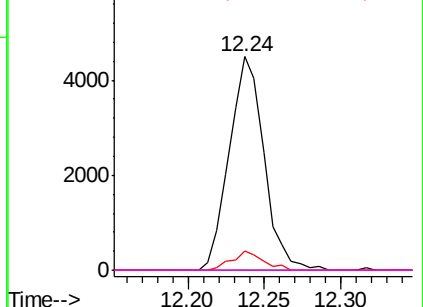


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 94.967 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007589.D

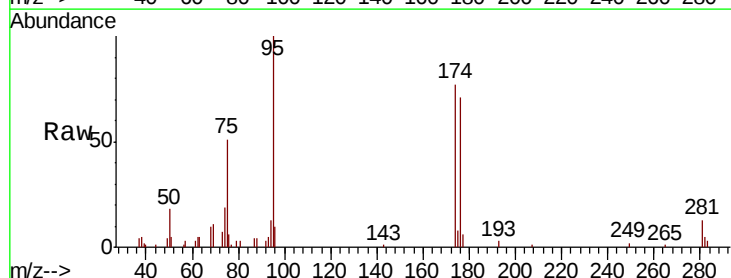
Acq: 15 Dec 2018 18:19

Tgt Ion: 75 Resp: 4605

Ion Ratio Lower Upper

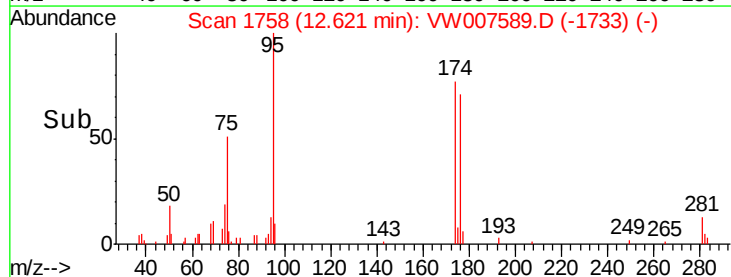
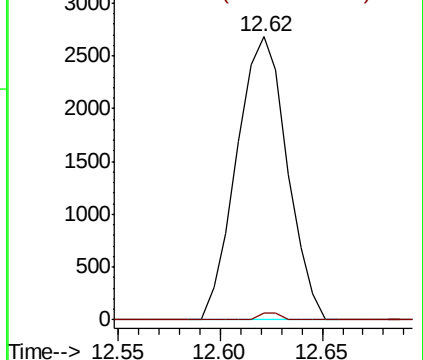
75 100

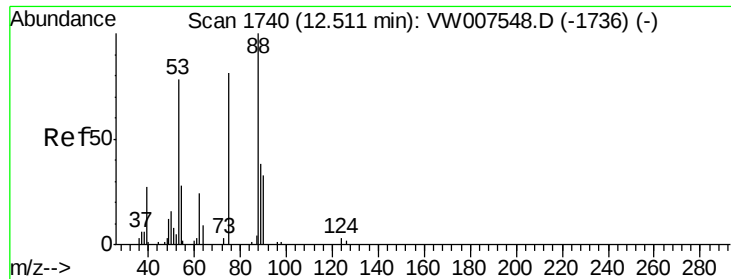
77 1.1 166.9 500.8#



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: 209.783 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007589.D

Acq: 15 Dec 2018 18:19

Instrument :

MSVOA_W

ClientSampleId :

P001-SD008-0612-01

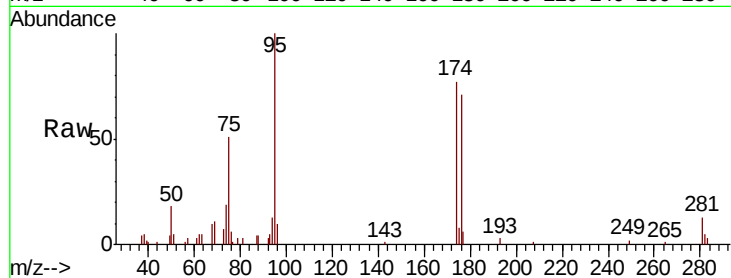
Tgt Ion: 75 Resp: 4605

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

