

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007587.D
 Acq On : 15 Dec 2018 17:27
 Operator : SY/AP
 Sample : J6378-01
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD007-0612-01

Quant Time: Dec 15 20:25:45 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	38098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	63073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11294	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	26184	61.95	ug/l	0.00
Spiked Amount			Recovery	=	123.90%	
35) Dibromofluoromethane	7.88	113	22229	58.22	ug/l	0.00
Spiked Amount			Recovery	=	116.44%	
50) Toluene-d8	10.32	98	71599	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	17661	33.55	ug/l	0.00
Spiked Amount			Recovery	=	67.10%	

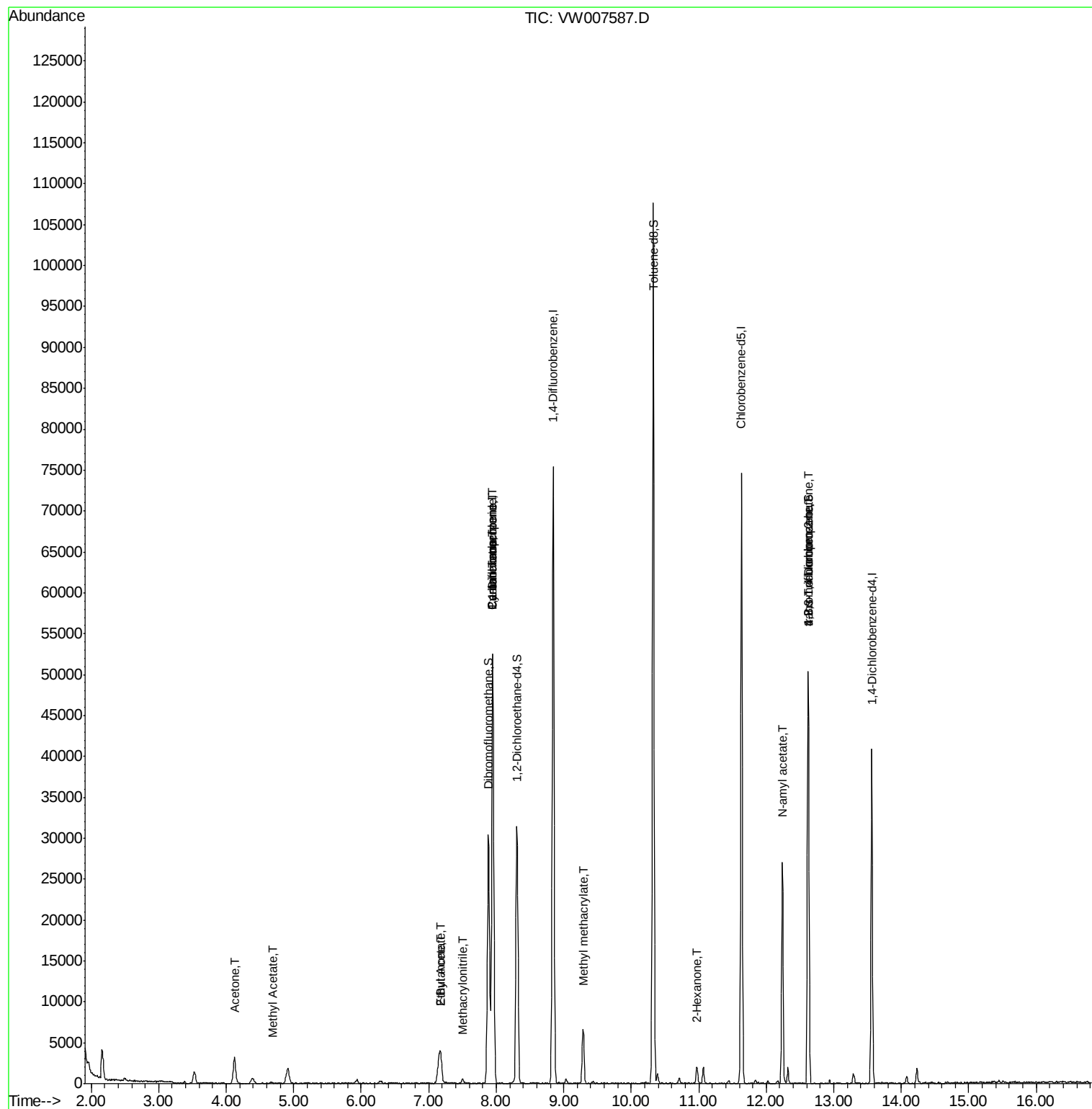
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	5542	75.067	ug/l	97
18) Methyl Acetate	4.68	43	326	1.627	ug/l #	49
25) 2-Butanone	7.18	43	5838	60.572	ug/l	91
31) Cyclohexane	7.95	56	891	1.357	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	2947	5.122	ug/l #	50
37) Ethyl Acetate	7.18	43	5838	27.280	ug/l #	66
38) Carbon Tetrachloride	7.95	117	4226	6.750	ug/l #	17
41) Methacrylonitrile	7.50	41	132	1.083	ug/l #	20
48) Methyl methacrylate	9.29	41	1085	4.998	ug/l #	39
59) 2-Hexanone	10.97	43	1548	11.623	ug/l	100
74) N-amyl acetate	12.24	43	14827	94.273	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	8667	93.071	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	8667	205.595	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: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

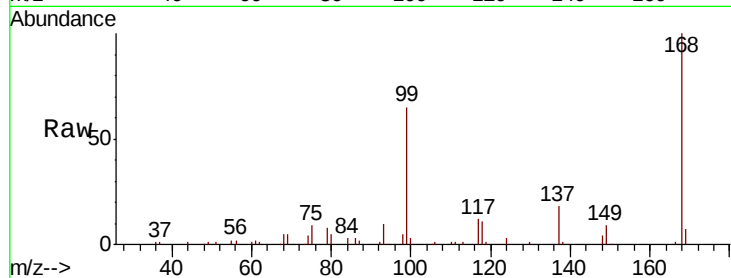
P001-SD007-0612-01

Tgt Ion: 168 Resp: 38098

Ion Ratio Lower Upper

168 100

99 64.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

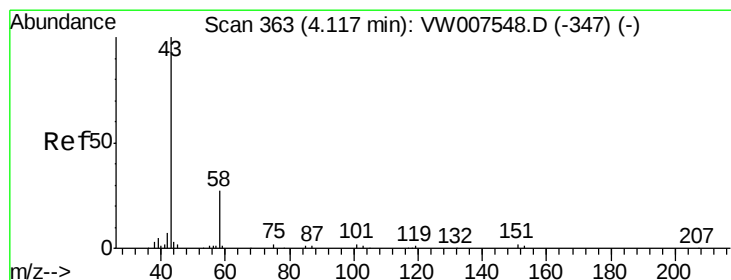
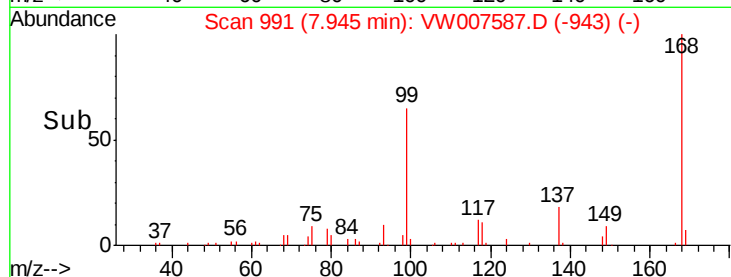
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 75.067 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007587.D

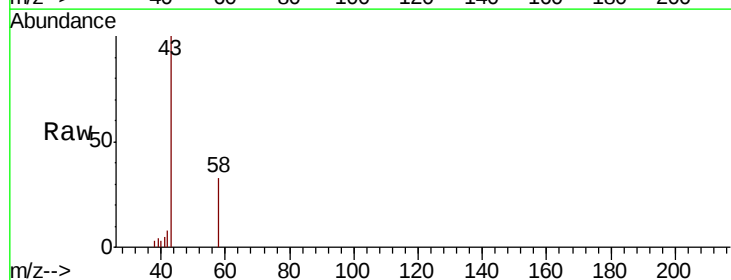
Acq: 15 Dec 2018 17:27

Tgt Ion: 43 Resp: 5542

Ion Ratio Lower Upper

43 100

58 32.6 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

2500

2000

1500

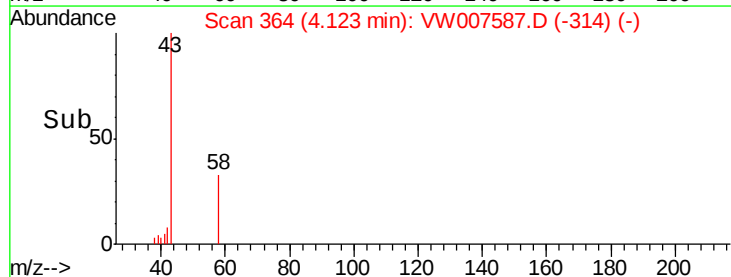
1000

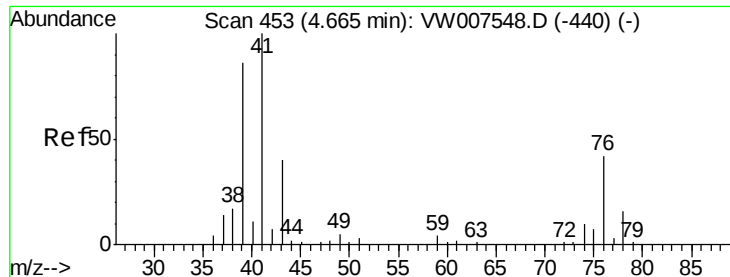
500

0

4.05 4.10 4.15 4.20

Time-->

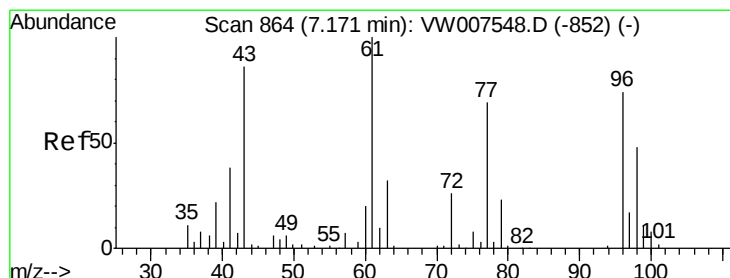
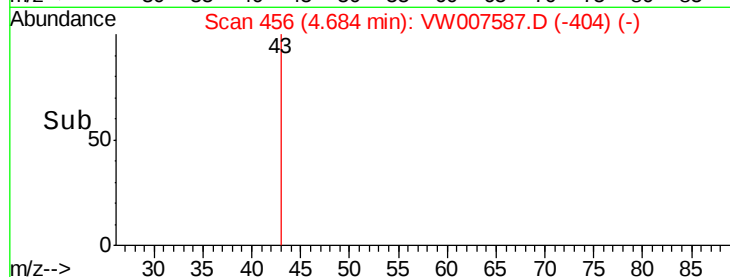
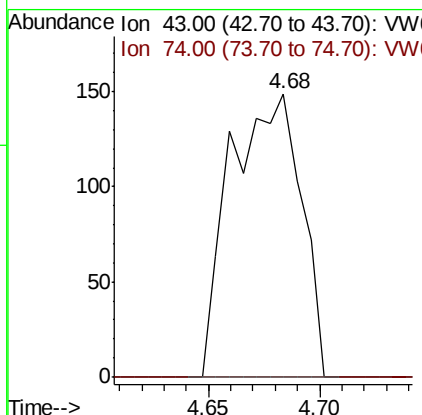
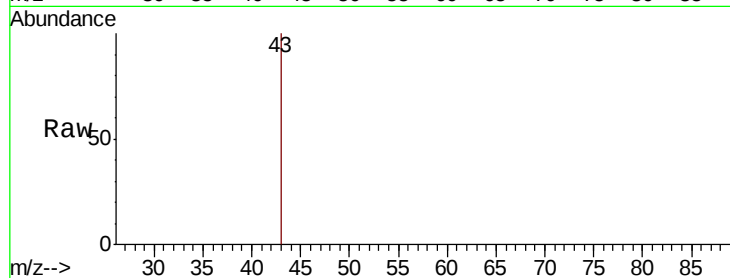




#18
Methyl Acetate
Concen: 1.627 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

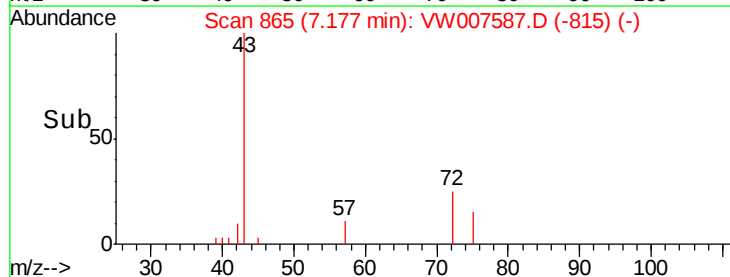
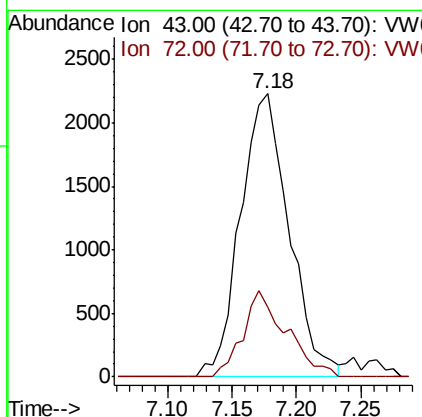
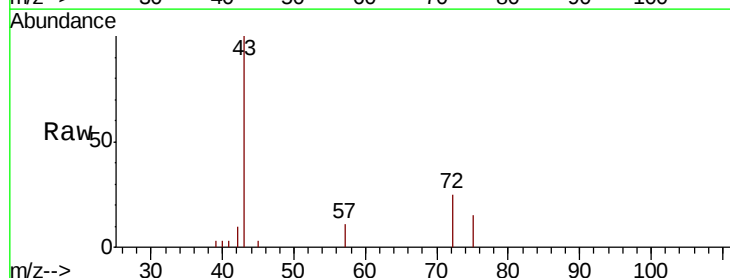
Instrument :
MSVOA_W
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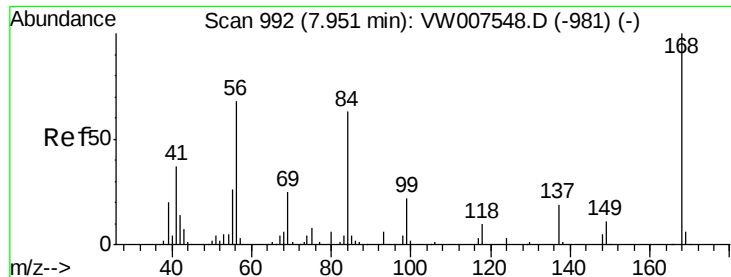
Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#25
2-Butanone
Concen: 60.572 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Tgt Ion: 43 Resp: 5838
Ion Ratio Lower Upper
43 100
72 24.5 23.4 35.2

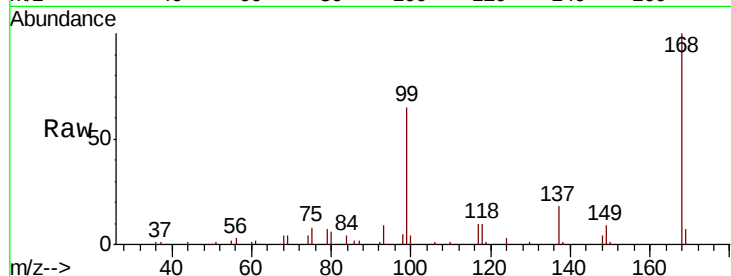




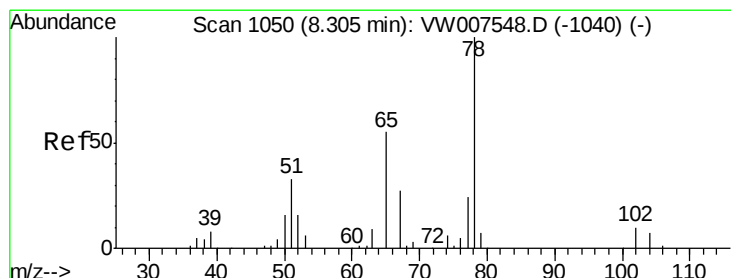
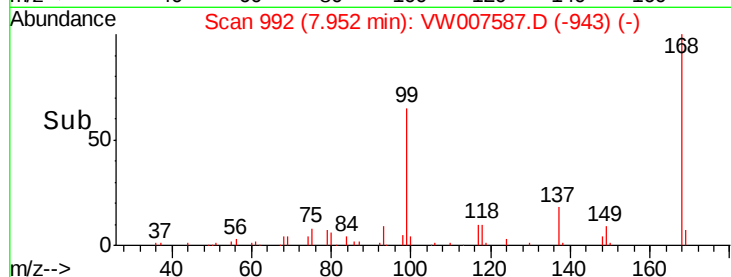
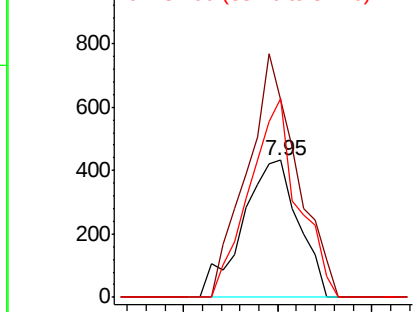
#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0612-01

Tgt Ion: 56 Resp: 891
Ion Ratio Lower Upper
56 100
69 144.0 28.9 43.3#
84 144.9 71.8 107.6#

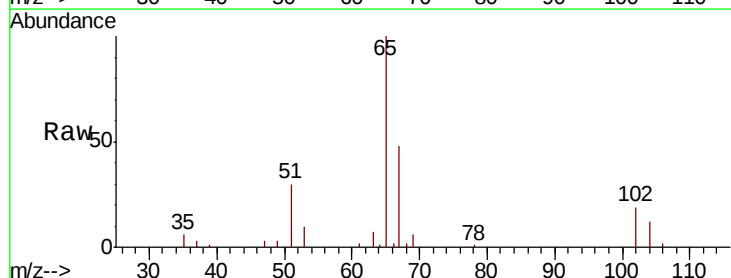


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

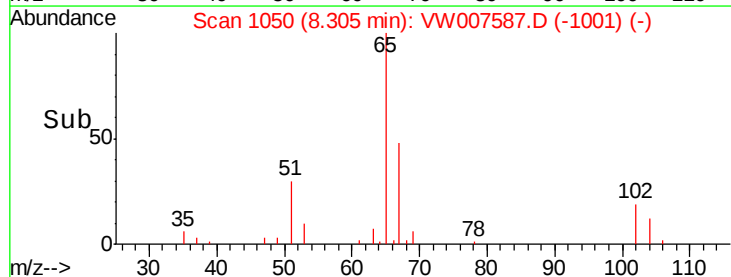
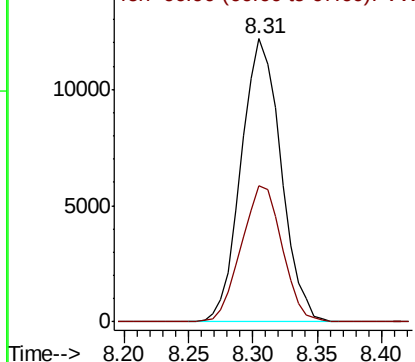


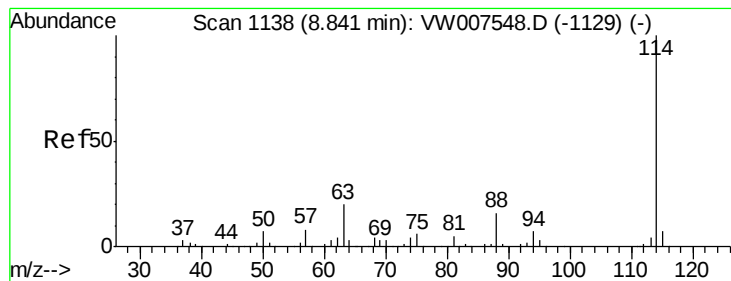
#33
1,2-Dichloroethane-d4
Concen: 61.950 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Tgt Ion: 65 Resp: 26184
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.6



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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

P001-SD007-0612-01

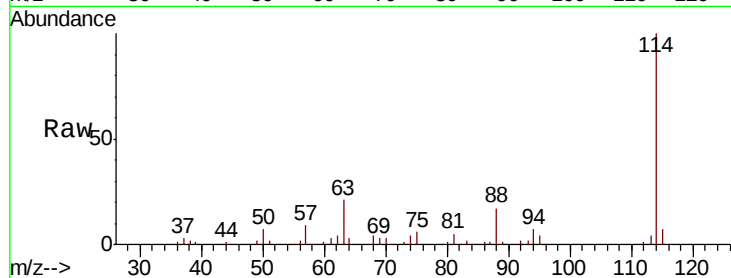
Tgt Ion:114 Resp: 63073

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

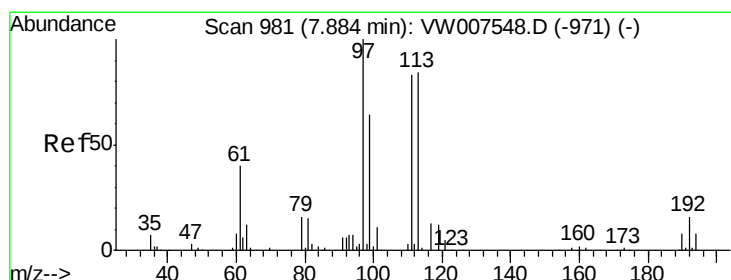
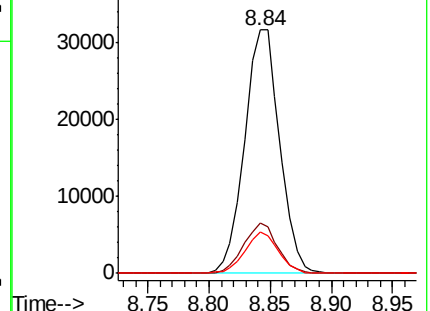
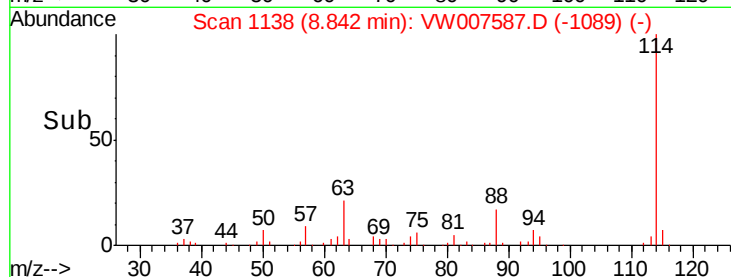
88 17.1 0.0 31.4



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: 58.221 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

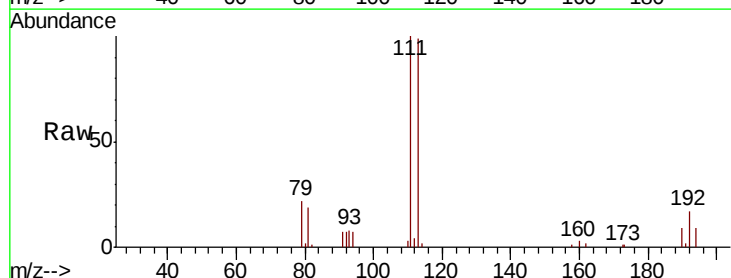
Tgt Ion:113 Resp: 22229

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

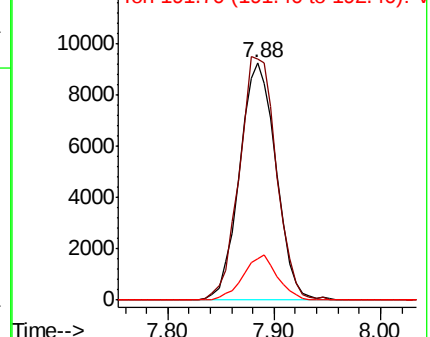
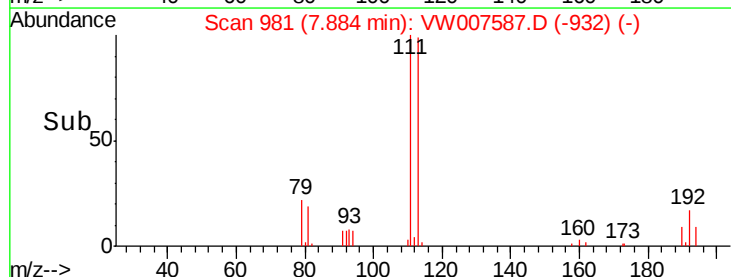
192 17.8 14.6 21.8

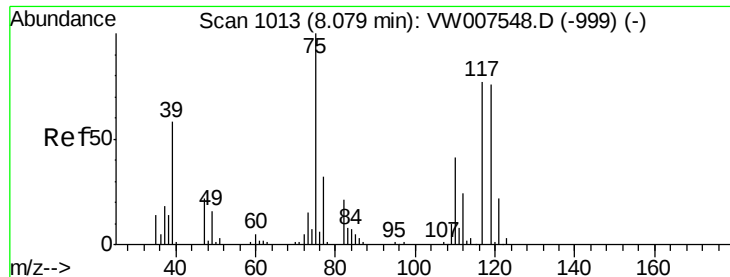


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

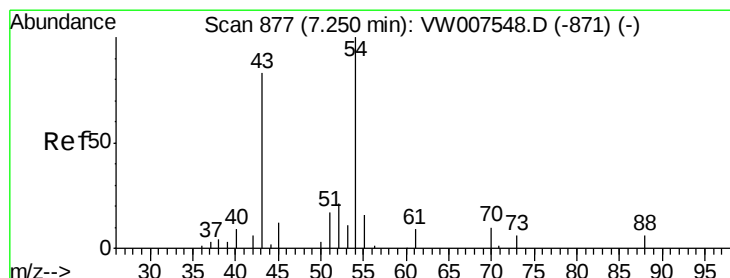
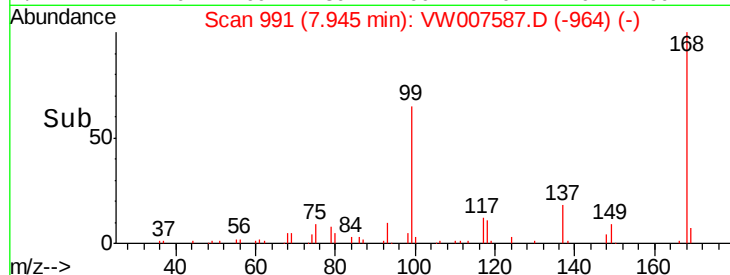
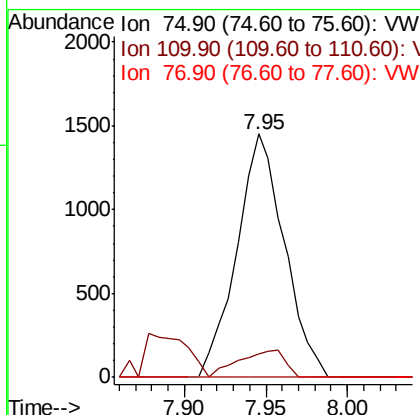
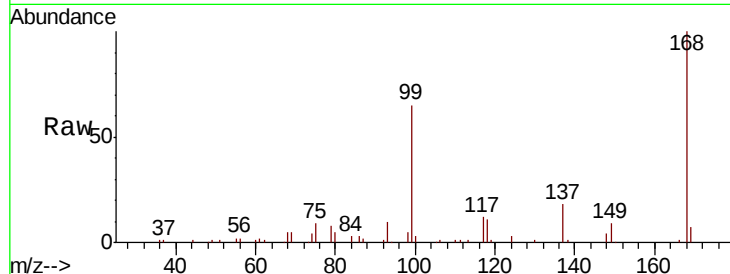




#36
 1,1-Dichloropropene
 Concen: 5.122 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007587.D
 Acq: 15 Dec 2018 17:27

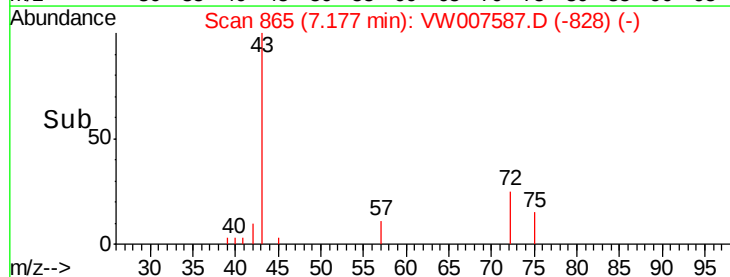
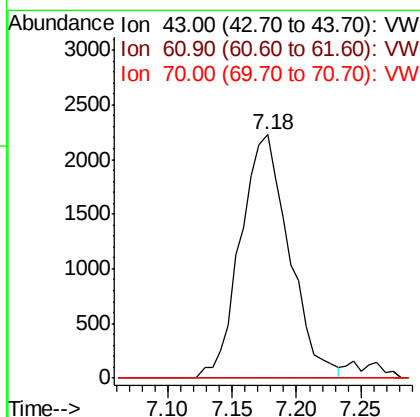
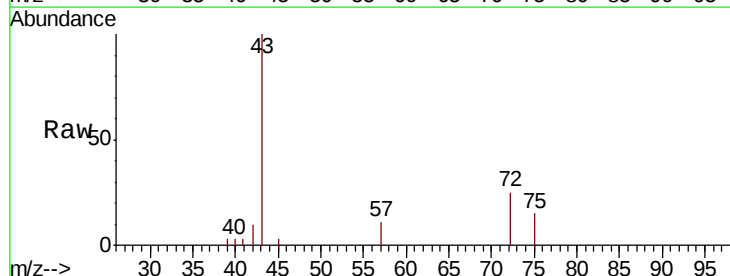
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD007-0612-01

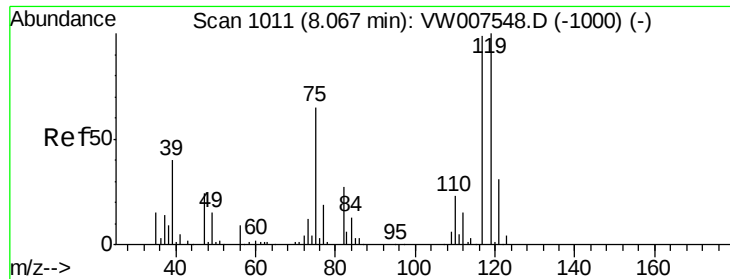
Tgt Ion: 75 Resp: 2947
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.5 55.5#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 27.280 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007587.D
 Acq: 15 Dec 2018 17:27

Tgt Ion: 43 Resp: 5838
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 6.750 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

P001-SD007-0612-01

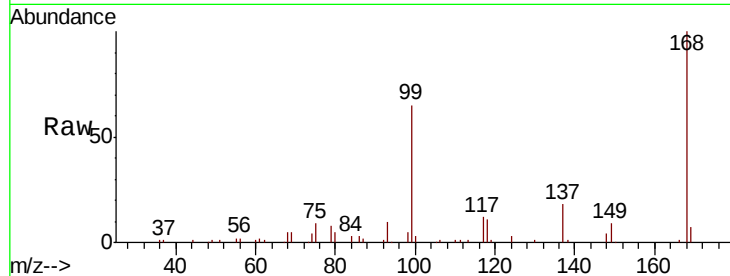
Tgt Ion: 117 Resp: 4226

Ion Ratio Lower Upper

117 100

119 4.8 74.3 111.5#

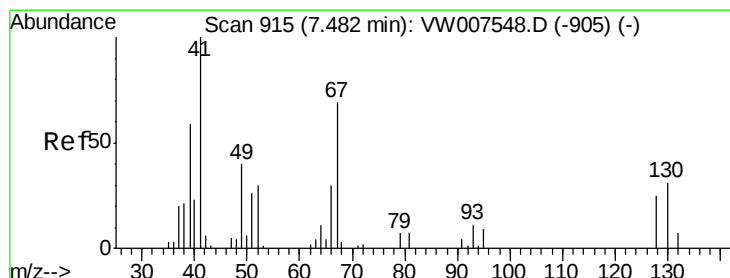
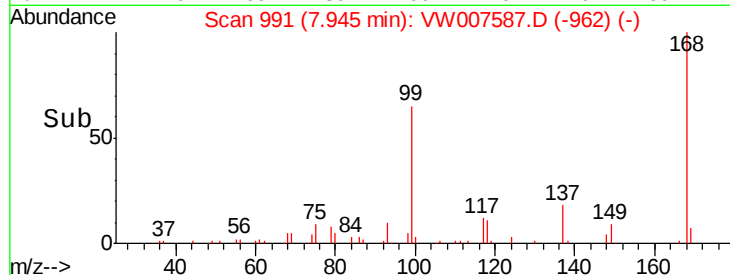
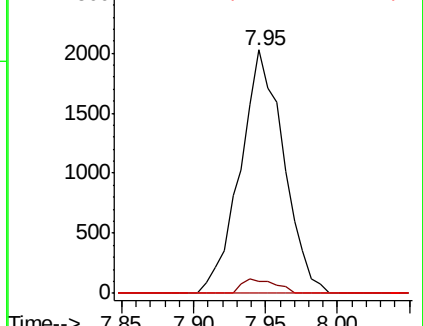
121 0.0 24.3 36.5#



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



#41

Methacrylonitrile

Concen: 1.083 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Tgt Ion: 41 Resp: 132

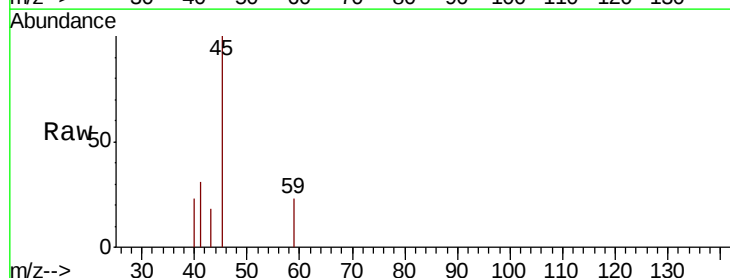
Ion Ratio Lower Upper

41 100

39 0.0 52.2 78.2#

67 0.0 60.5 90.7#

52 0.0 25.3 37.9#

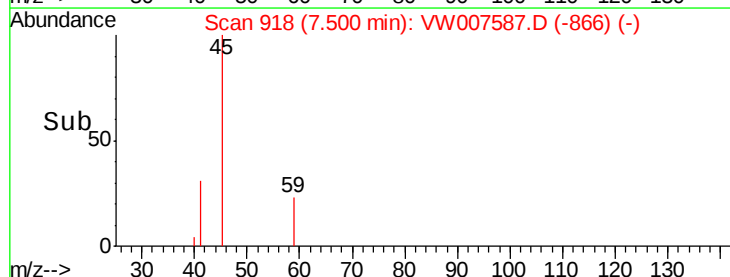
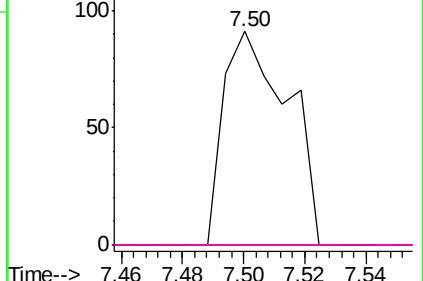


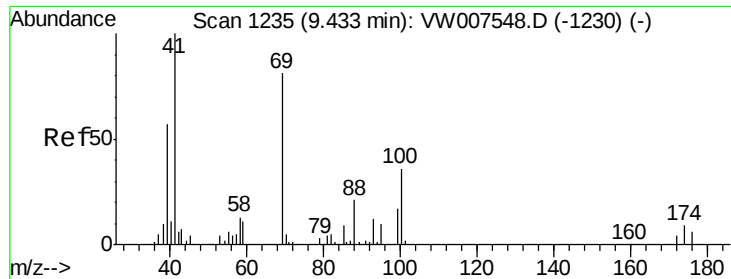
Abundance Ion 41.00 (40.70 to 41.70): VW

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

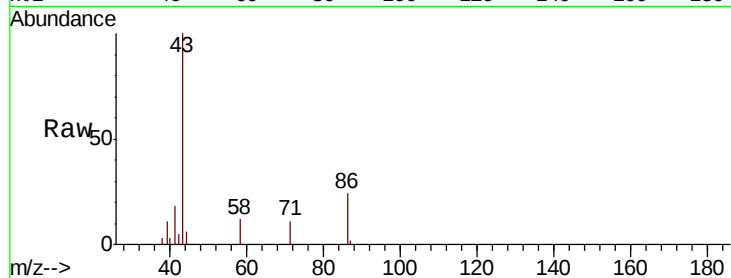




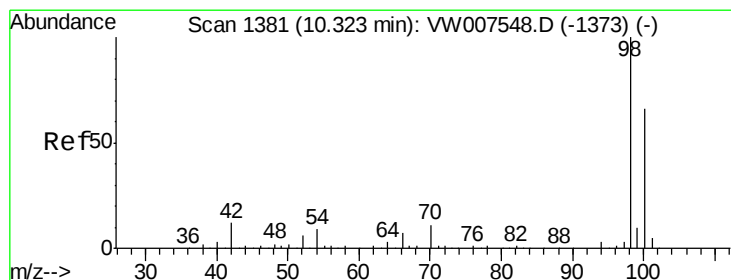
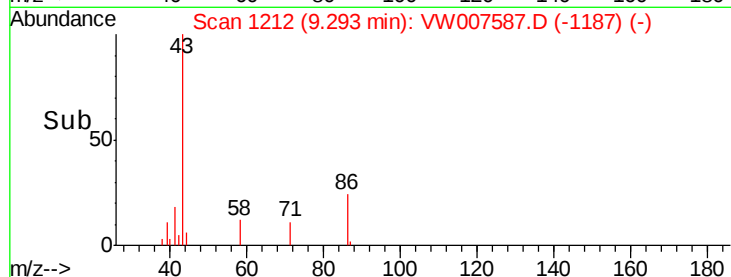
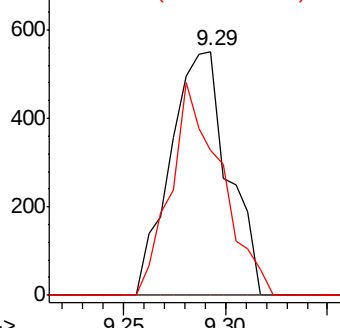
#48
Methyl methacrylate
Concen: 4.998 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.15 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0612-01

Tgt Ion: 41 Resp: 1085
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.8#
39 76.1 50.9 76.3

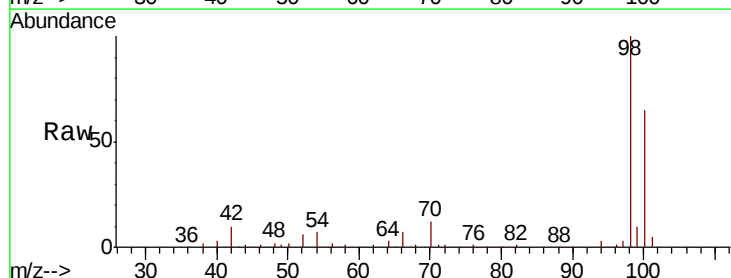


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

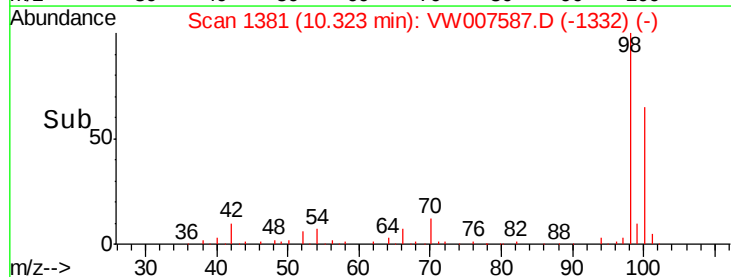
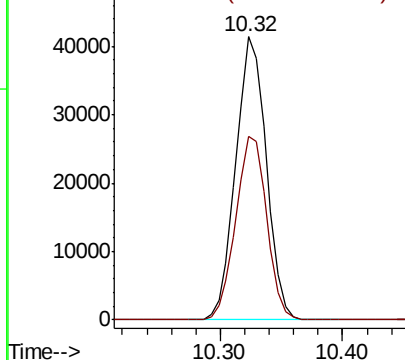


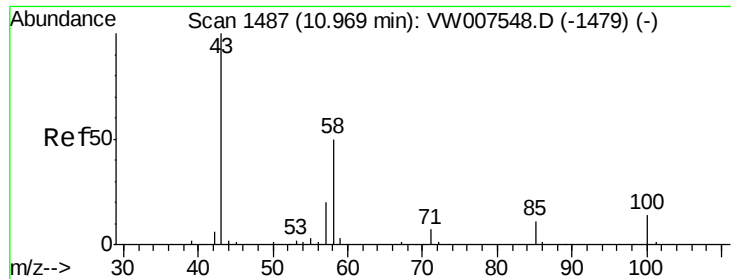
#50
Toluene-d8
Concen: 50.015 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Tgt Ion: 98 Resp: 71599
Ion Ratio Lower Upper
98 100
100 65.8 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: 11.623 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

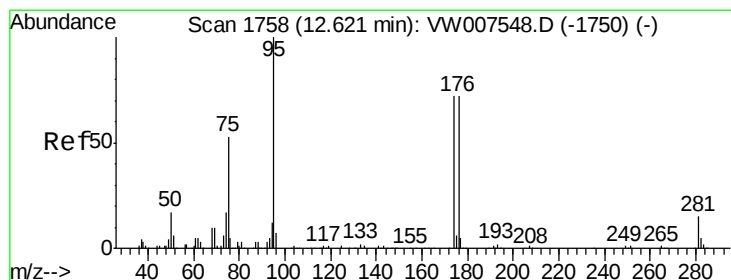
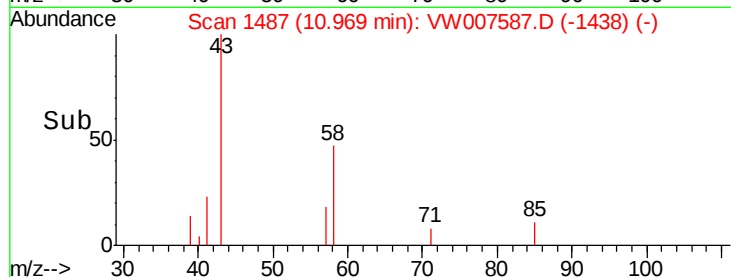
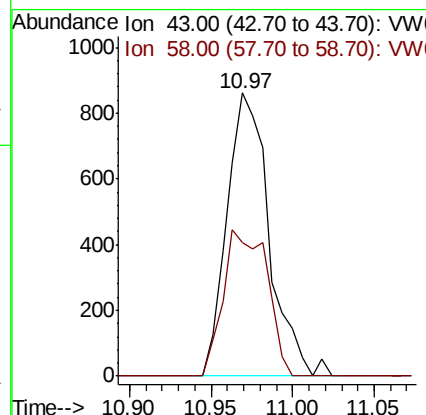
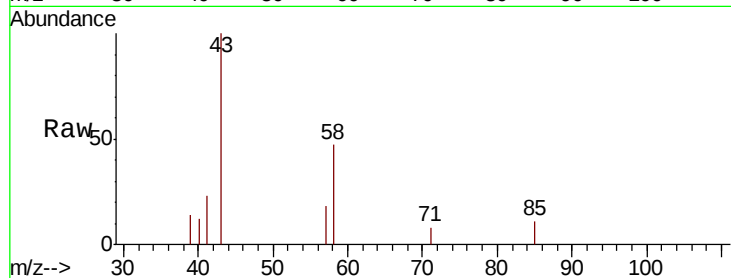
P001-SD007-0612-01

Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

58 54.0 27.1 81.3



#62

4-Bromofluorobenzene

Concen: 33.554 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

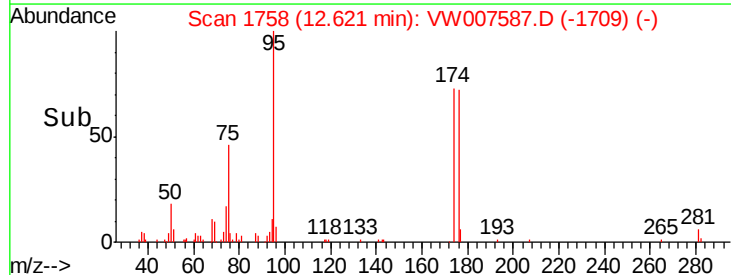
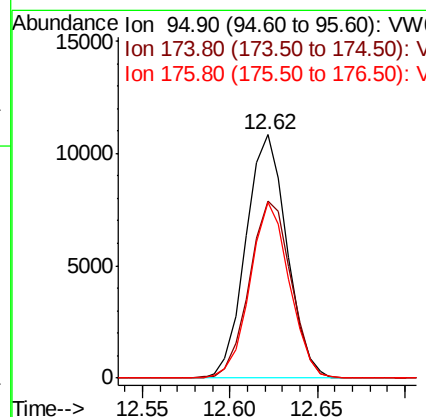
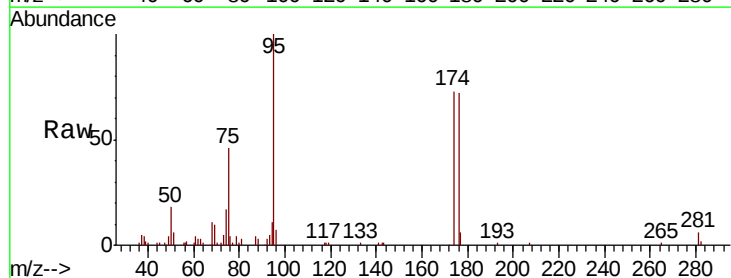
Tgt Ion: 95 Resp: 17661

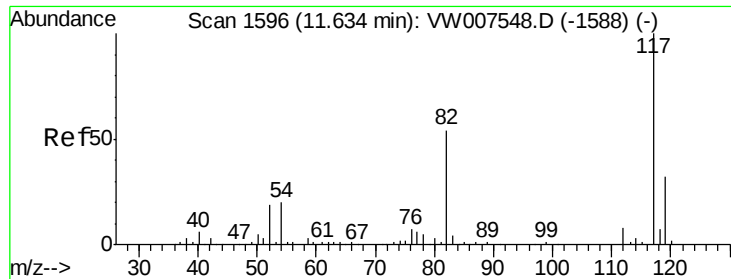
Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.2

176 69.3 0.0 138.8

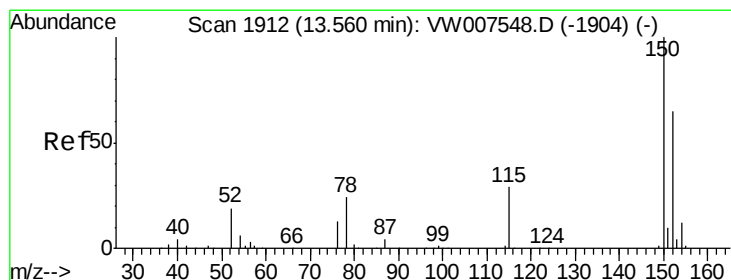
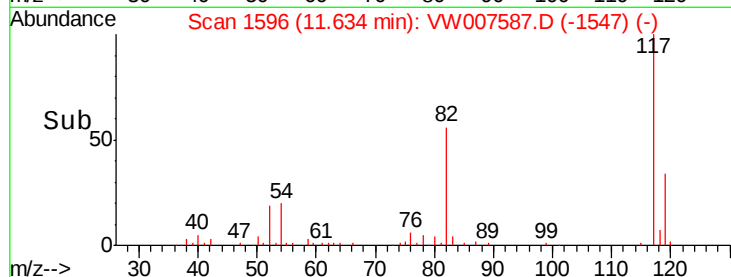
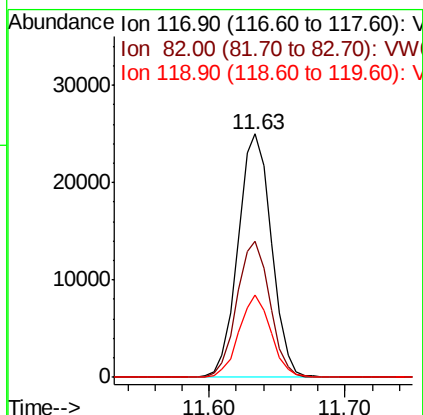
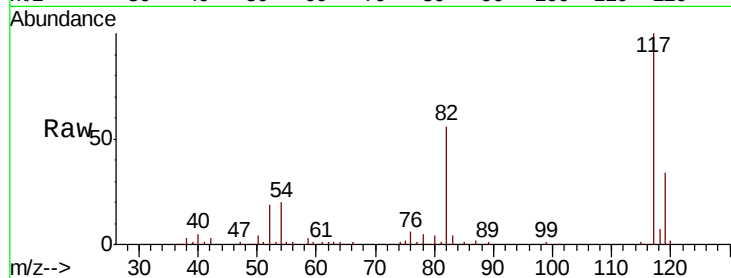




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

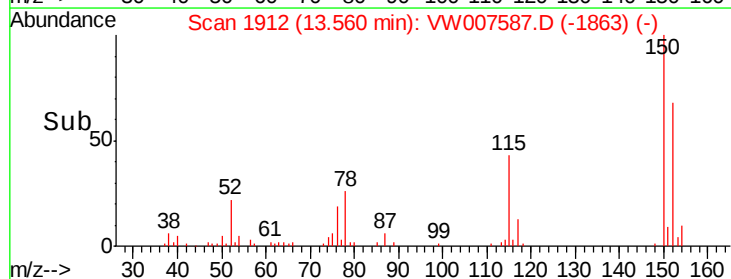
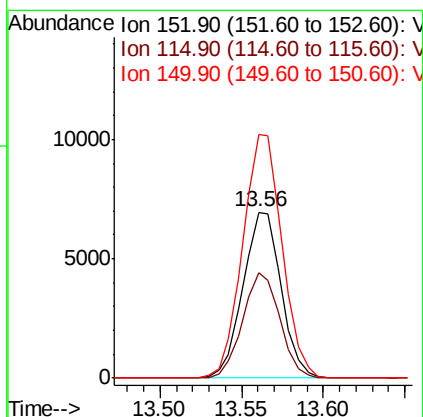
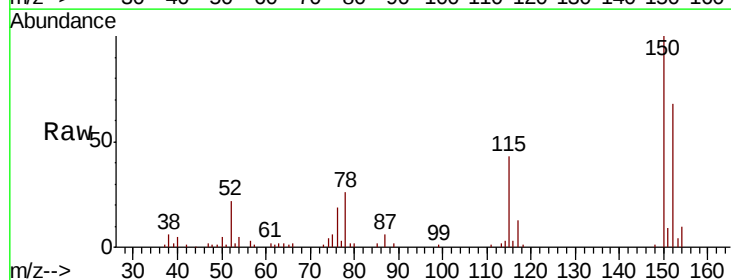
Instrument :
MSVOA_W
ClientSampleId :
P001-SD007-0612-01

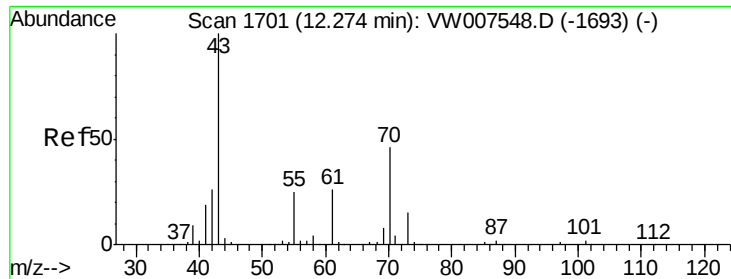
Tgt Ion:117 Resp: 42863
Ion Ratio Lower Upper
117 100
82 56.1 42.3 63.5
119 34.0 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007587.D
Acq: 15 Dec 2018 17:27

Tgt Ion:152 Resp: 11294
Ion Ratio Lower Upper
152 100
115 61.8 31.4 94.2
150 151.1 0.0 358.4





#74

N-ethyl acetate

Concen: 94.273 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

P001-SD007-0612-01

Tgt Ion: 43 Resp: 14827

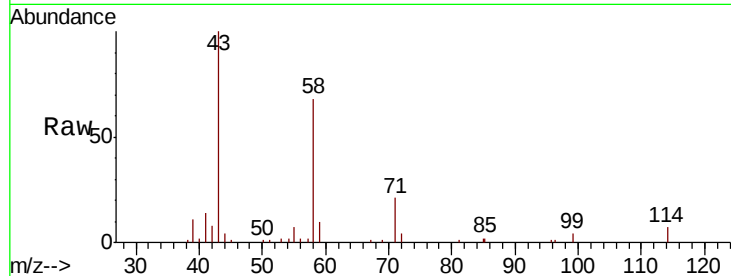
Ion Ratio Lower Upper

43 100

70 0.4 36.5 54.7#

55 7.7 20.1 30.1#

61 0.0 19.3 28.9#



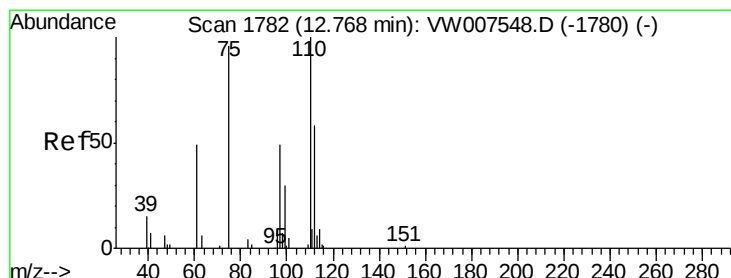
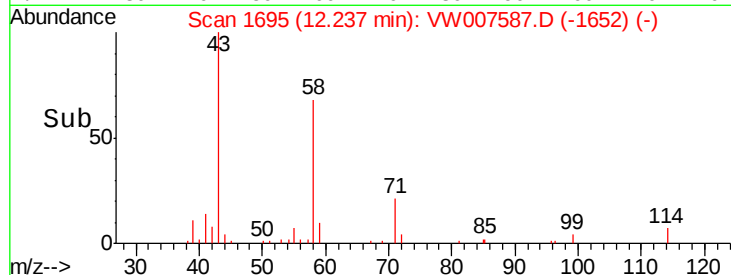
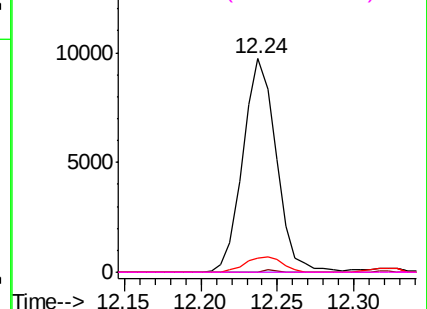
Abundance

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: 93.071 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007587.D

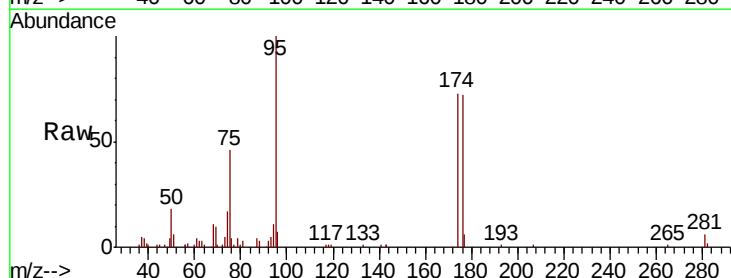
Acq: 15 Dec 2018 17:27

Tgt Ion: 75 Resp: 8667

Ion Ratio Lower Upper

75 100

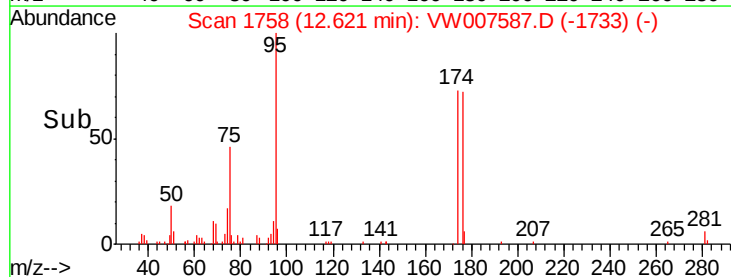
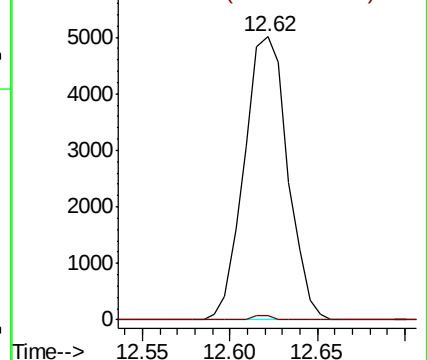
77 0.6 166.9 500.8#

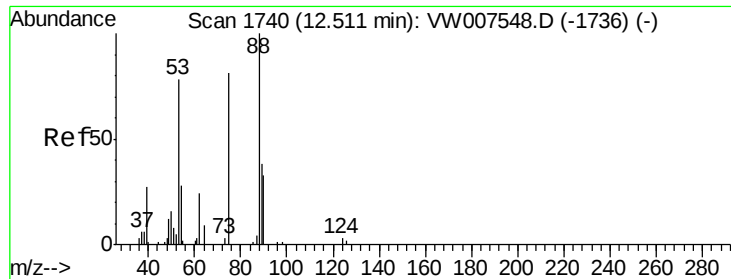


Abundance

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: 205.595 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007587.D

Acq: 15 Dec 2018 17:27

Instrument :

MSVOA_W

ClientSampleId :

P001-SD007-0612-01

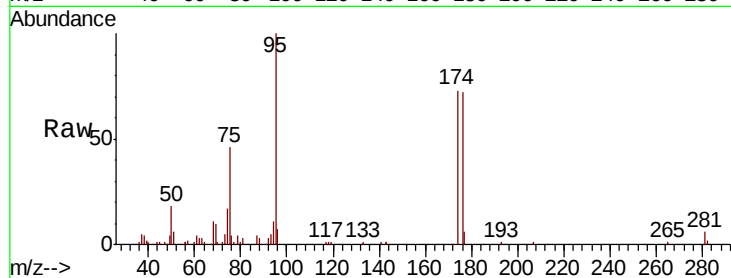
Tgt Ion: 75 Resp: 8667

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

