

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122418\
 Data File : VW007876.D
 Acq On : 23 Dec 2018 07:26
 Operator : SY/AP
 Sample : J6446-04
 Misc : 5.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-0612-01

Quant Time: Dec 24 00:00:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	23530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	44065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6049	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	25712	99.70	ug/l	0.00
Spiked Amount			Recovery	=	199.40%	
35) Dibromofluoromethane	7.88	113	18091	67.30	ug/l	0.00
Spiked Amount			Recovery	=	134.60%	
50) Toluene-d8	10.32	98	43300	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	
62) 4-Bromofluorobenzene	12.62	95	9235	23.59	ug/l	0.00
Spiked Amount			Recovery	=	47.18%	

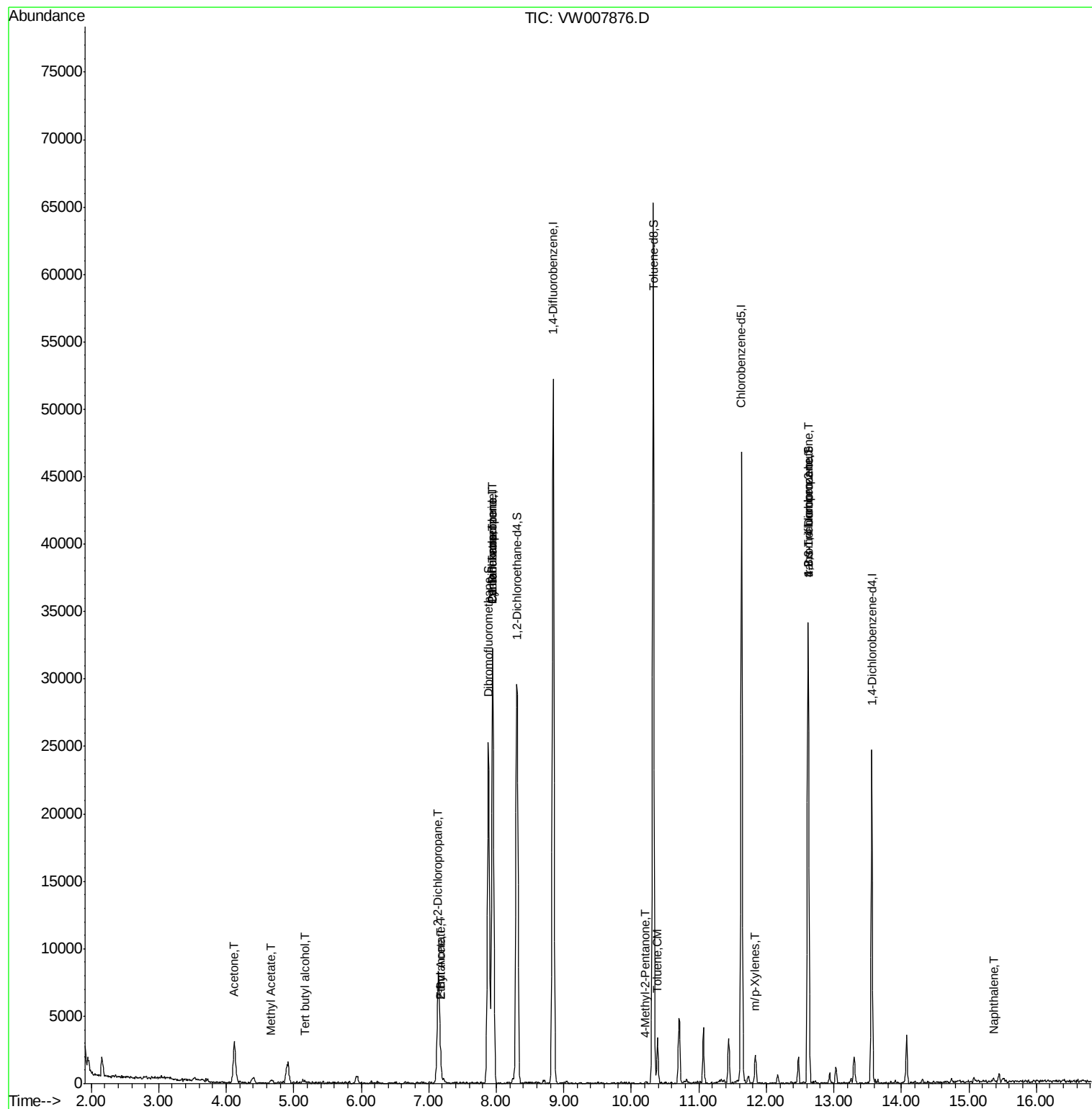
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	156	8.967	ug/l #	73
16) Acetone	4.12	43	5384	111.484	ug/l	96
18) Methyl Acetate	4.67	43	547	4.763	ug/l #	53
20) Methylene Chloride	4.90	84	682	Below Cal	#	74
25) 2-Butanone	7.18	43	577	10.200	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	573	1.867	ug/l #	53
31) Cyclohexane	7.95	56	557	1.451	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	1833	4.310	ug/l #	44
37) Ethyl Acetate	7.18	43	577	3.931	ug/l #	68
38) Carbon Tetrachloride	7.95	117	2597	5.185	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	190	1.367	ug/l #	34
52) Toluene	10.39	92	1544	2.028	ug/l	99
68) m/p-Xylenes	11.84	106	833	2.202	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	5007	107.094	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5007	224.799	ug/l #	9
95) Naphthalene	15.37	128	273	1.142	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
Data File : VW007876.D
Acq On : 23 Dec 2018 07:26
Operator : SY/AP
Sample : J6446-04
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-0612-01

Quant Time: Dec 24 00:00:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

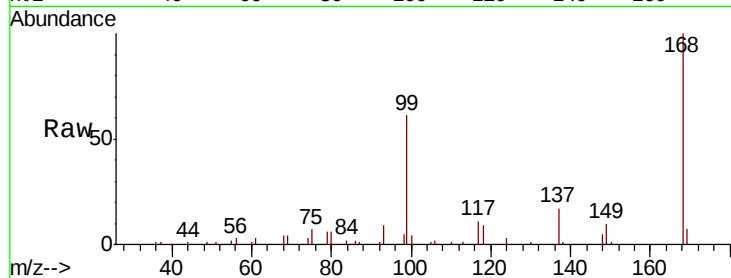
P001-SS026-0612-01

Tgt Ion: 168 Resp: 23530

Ion Ratio Lower Upper

168 100

99 61.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

12000

10000

8000

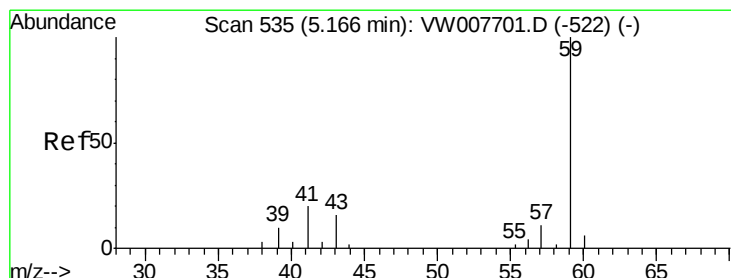
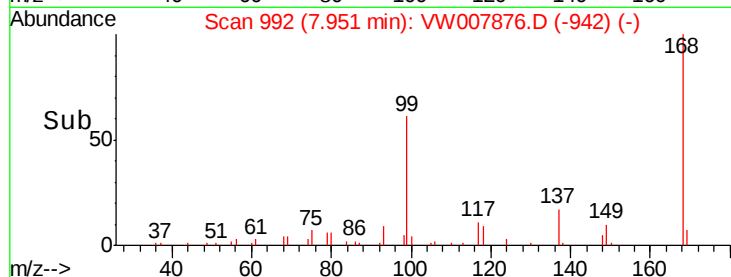
6000

4000

2000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.967 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007876.D

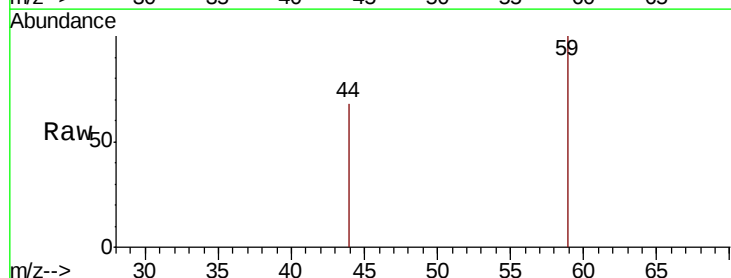
Acq: 23 Dec 2018 07:26

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

120

100

80

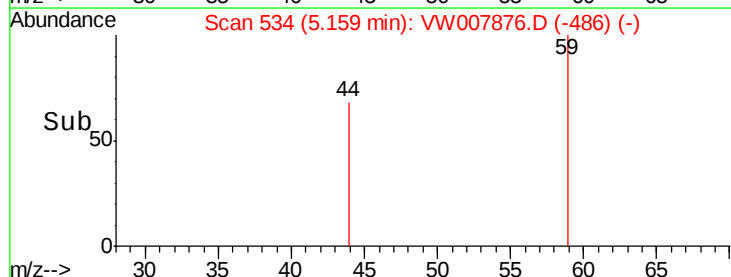
60

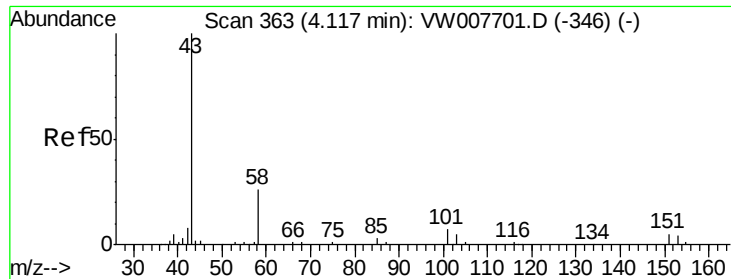
40

20

0

Time-->





#16

Acetone

Concen: 111.484 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

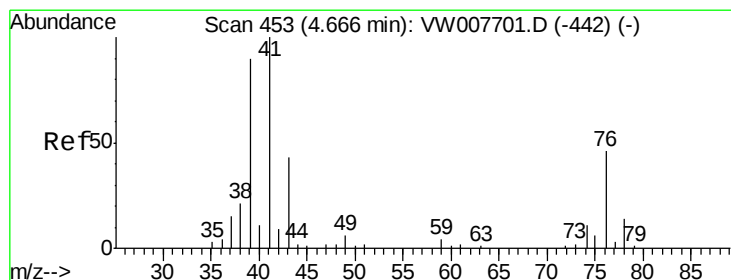
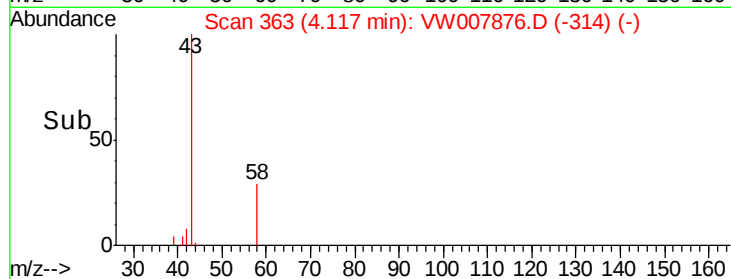
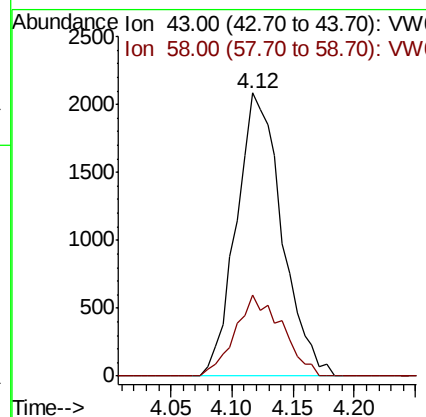
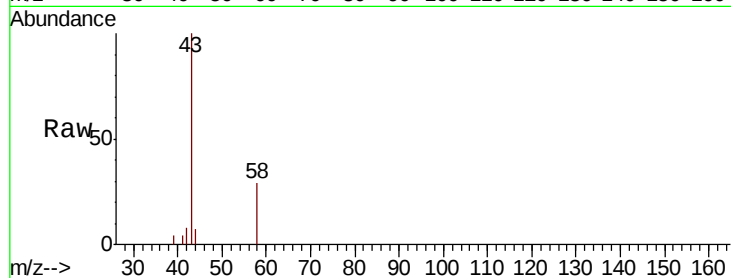
P001-SS026-0612-01

Tgt Ion: 43 Resp: 5384

Ion Ratio Lower Upper

43 100

58 28.6 21.2 31.8



#18

Methyl Acetate

Concen: 4.763 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007876.D

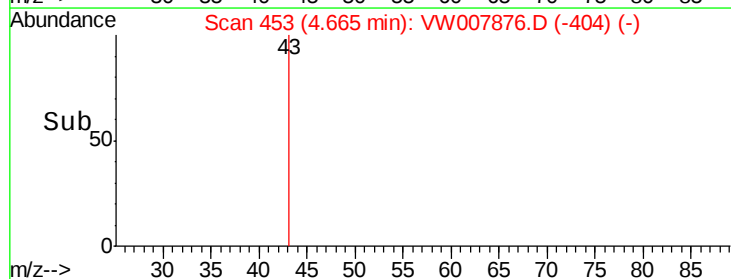
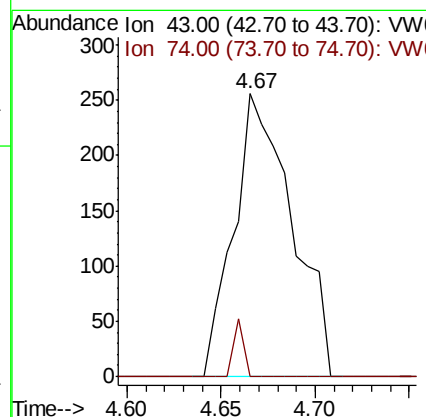
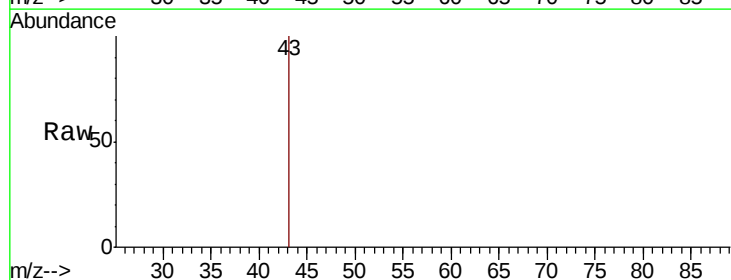
Acq: 23 Dec 2018 07:26

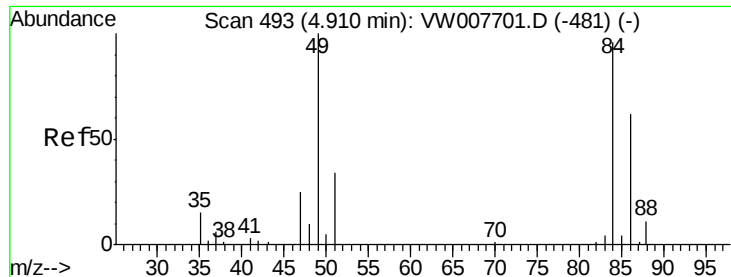
Tgt Ion: 43 Resp: 547

Ion Ratio Lower Upper

43 100

74 3.5 22.7 34.1#

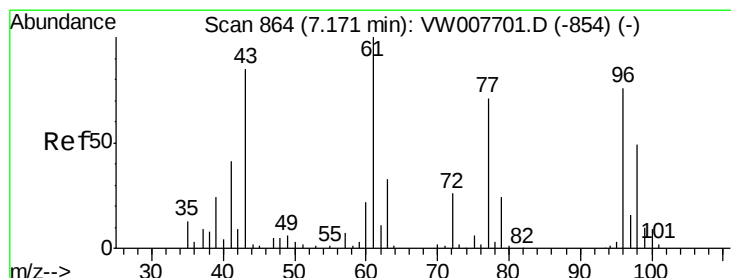
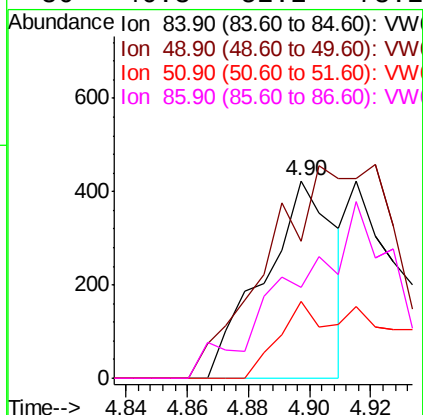
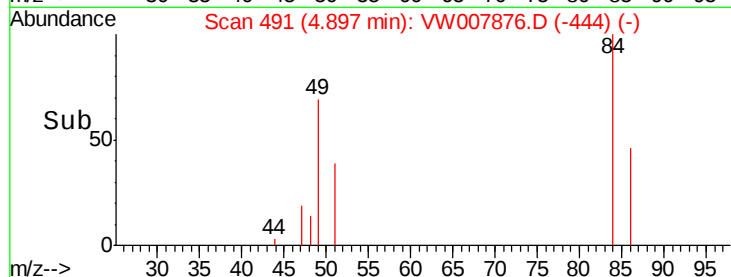
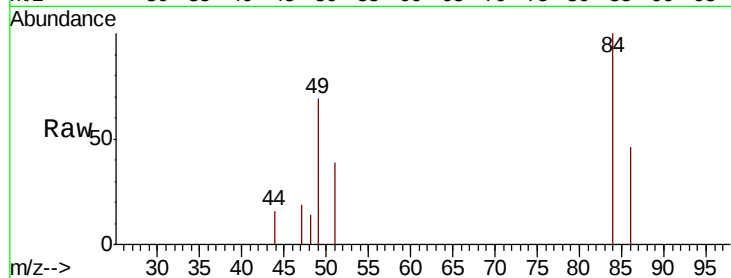




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW007876.D
Acq: 23 Dec 2018 07:26

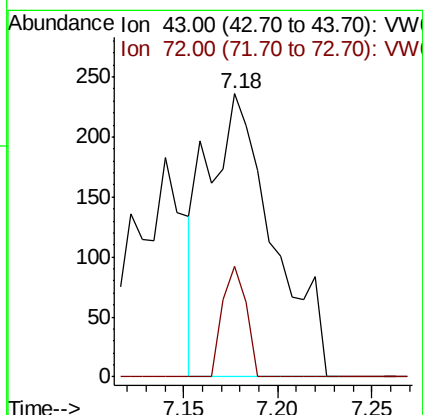
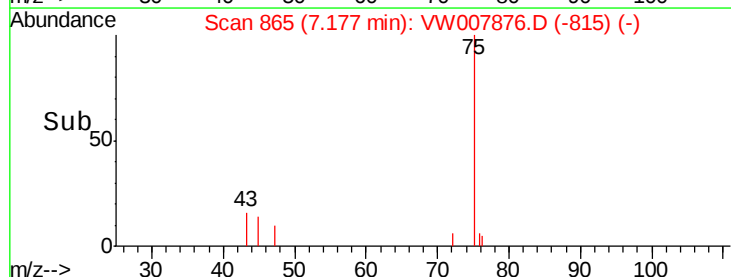
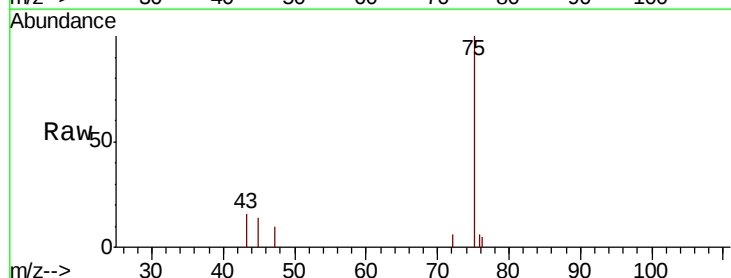
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-0612-01

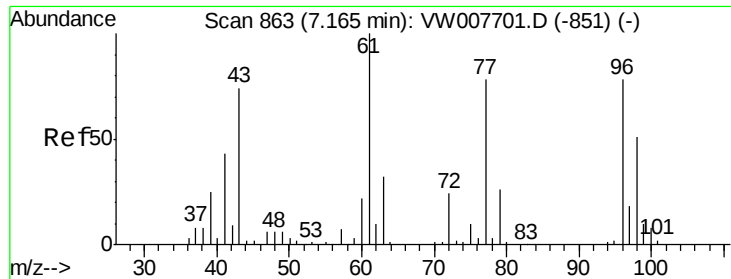
Tgt Ion: 84 Resp: 682
Ion Ratio Lower Upper
84 100
49 69.3 83.7 125.5#
51 38.8 28.2 42.2
86 46.3 52.2 78.2#



#25
2-Butanone
Concen: 10.200 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007876.D
Acq: 23 Dec 2018 07:26

Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
72 39.0 24.5 36.7#

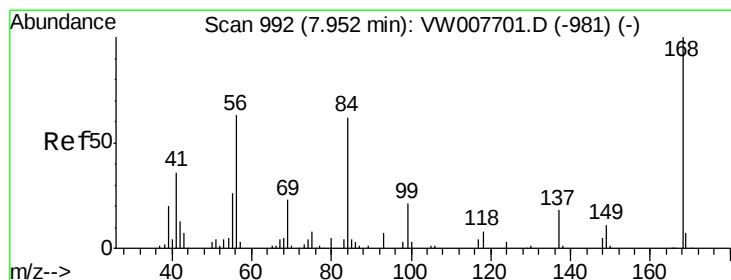
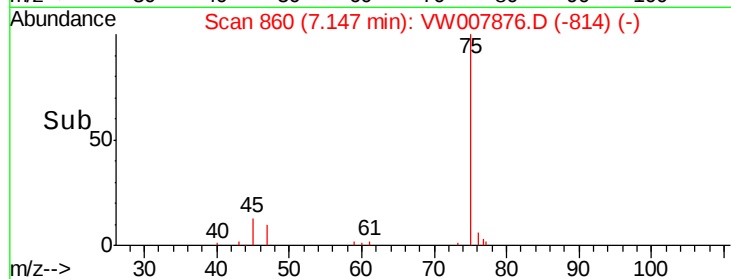
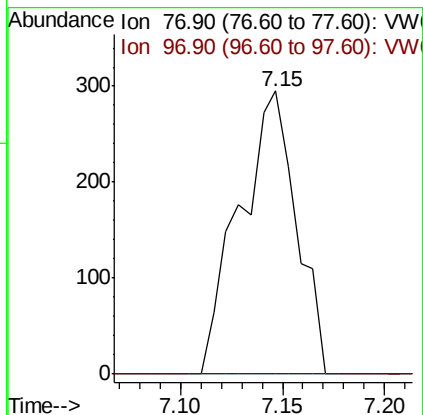
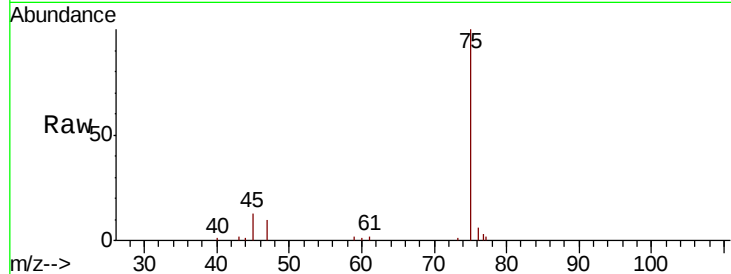




#26
 2,2-Dichloropropane
 Concen: 1.867 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW007876.D
 Acq: 23 Dec 2018 07:26

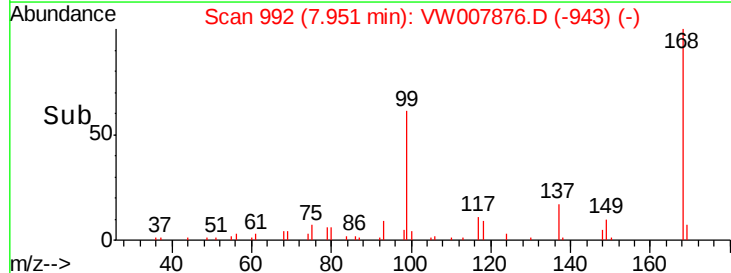
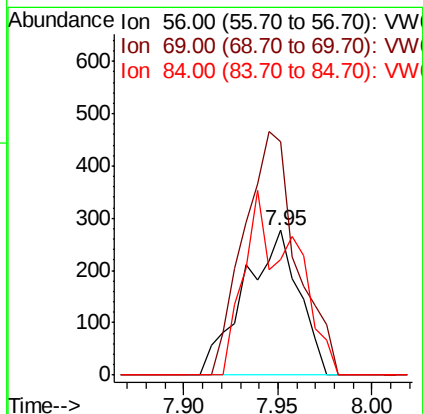
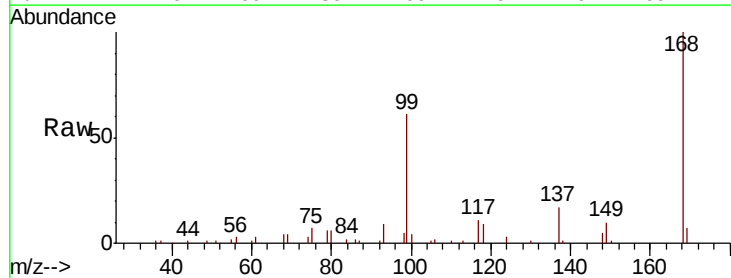
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-0612-01

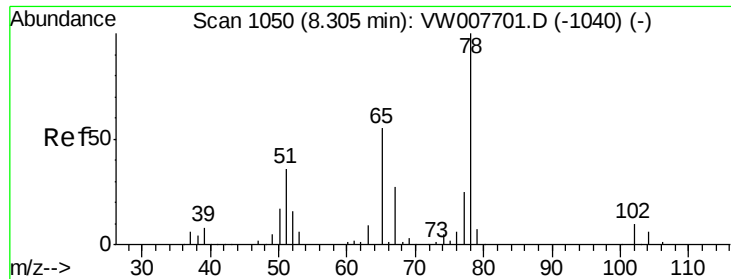
Tgt Ion: 77 Resp: 573
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#



#31
 Cyclohexane
 Concen: 1.451 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW007876.D
 Acq: 23 Dec 2018 07:26

Tgt Ion: 56 Resp: 557
 Ion Ratio Lower Upper
 56 100
 69 161.4 29.7 44.5#
 84 79.4 78.9 118.3

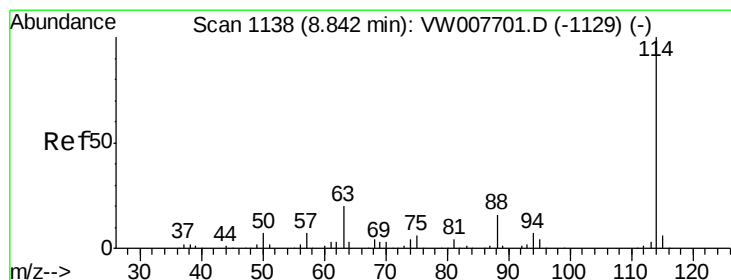
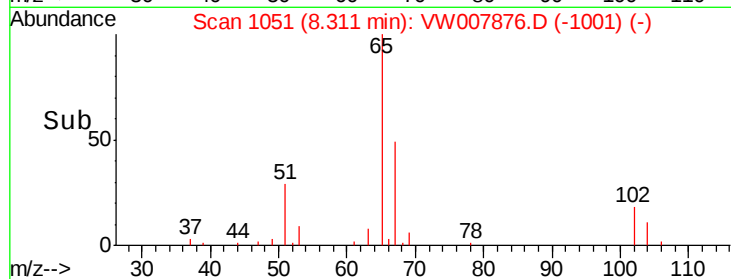
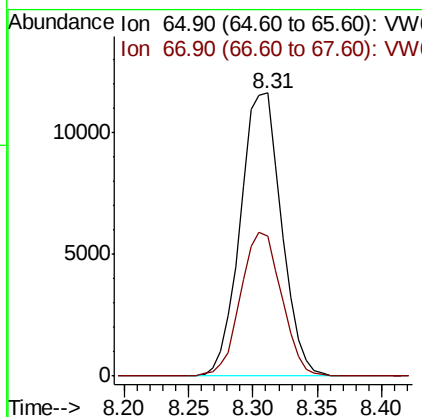
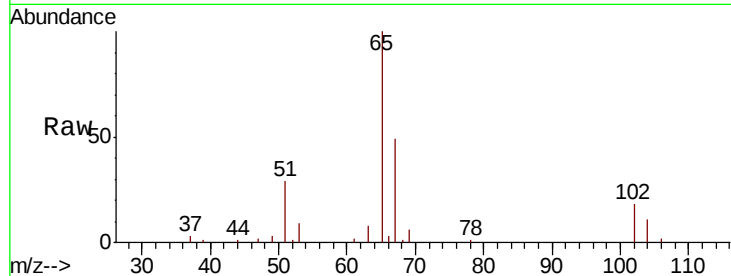




#33
 1,2-Dichloroethane-d4
 Concen: 99.698 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW007876.D
 Acq: 23 Dec 2018 07:26

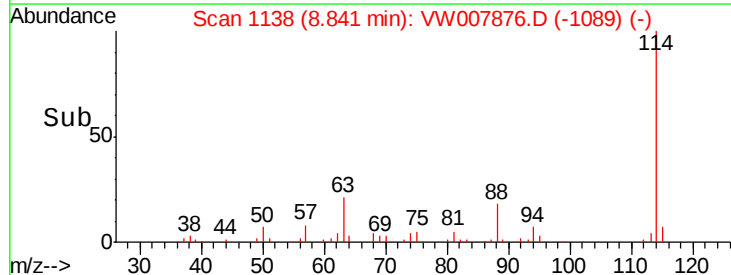
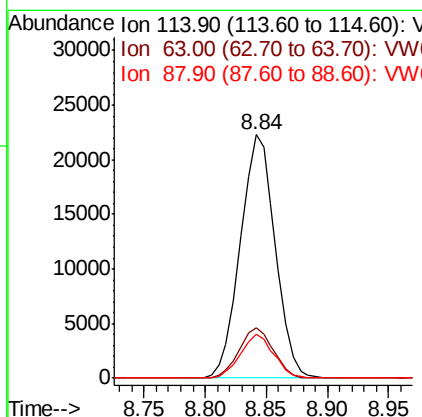
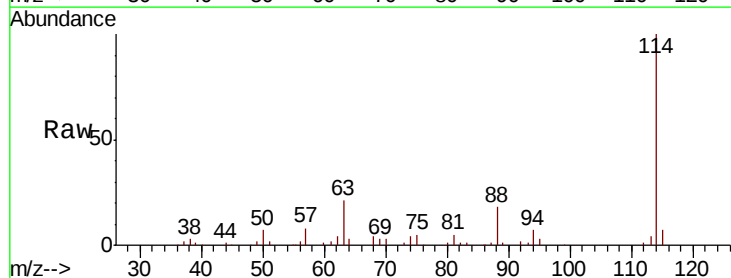
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-0612-01

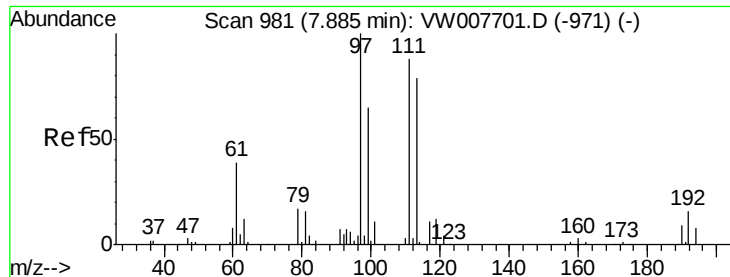
Tgt Ion: 65 Resp: 25712
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007876.D
 Acq: 23 Dec 2018 07:26

Tgt Ion: 114 Resp: 44065
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 18.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 67.298 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0612-01

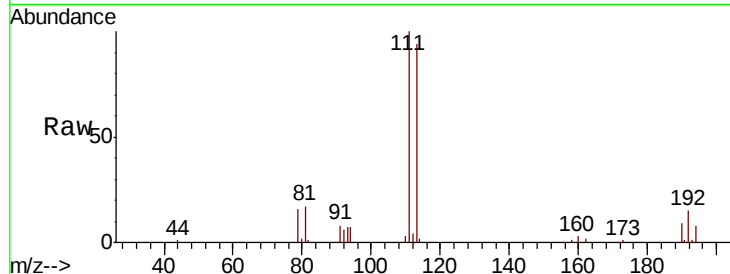
Tgt Ion:113 Resp: 18091

Ion Ratio Lower Upper

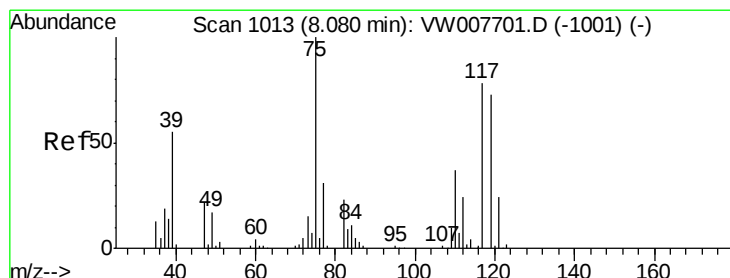
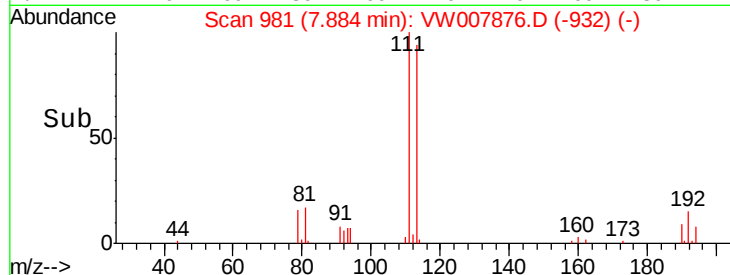
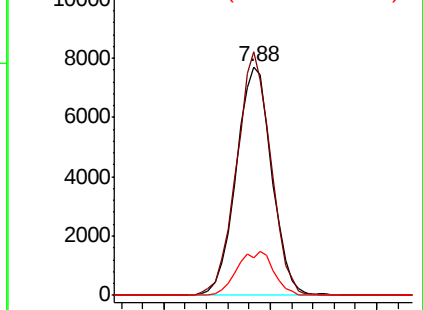
113 100

111 102.3 82.6 124.0

192 19.8 15.5 23.3



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: 4.310 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

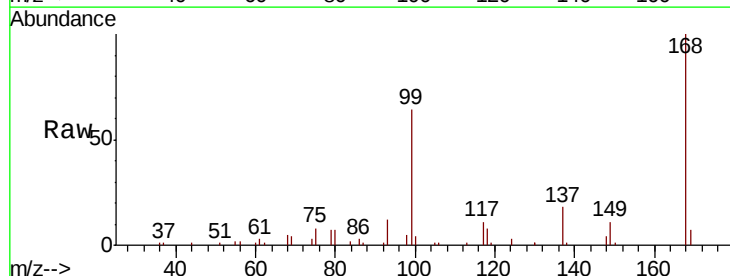
Tgt Ion: 75 Resp: 1833

Ion Ratio Lower Upper

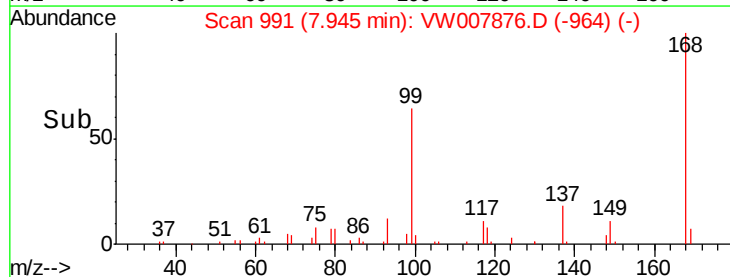
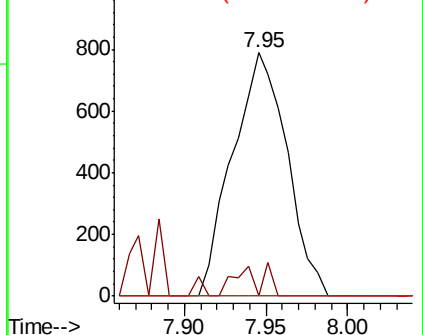
75 100

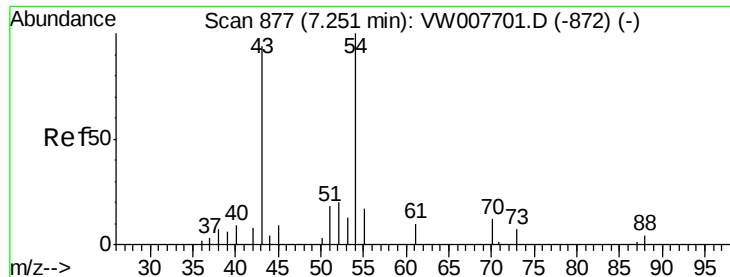
110 4.4 18.6 55.8#

77 0.0 25.0 37.4#



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: 3.931 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0612-01

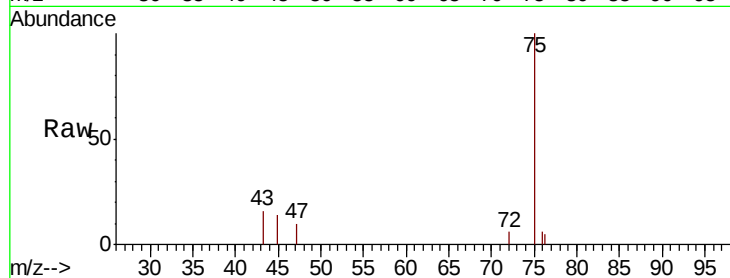
Tgt Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

7.18

250

200

150

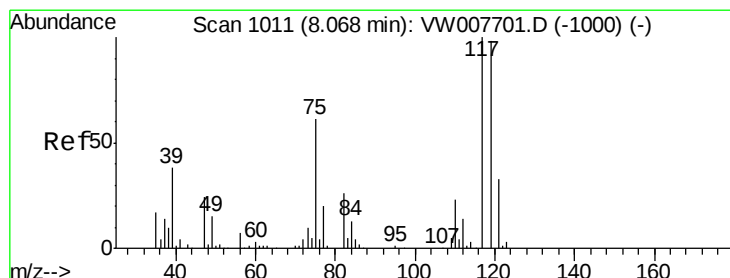
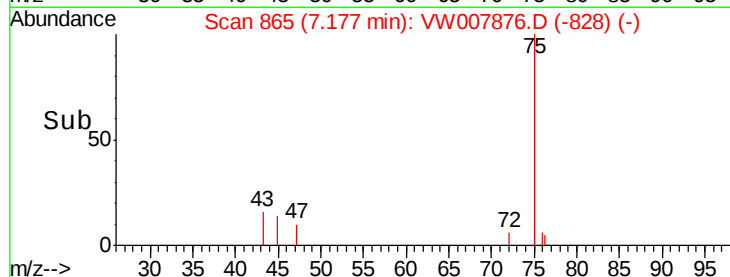
100

50

0

7.15 7.20 7.25

Time-->



#38

Carbon Tetrachloride

Concen: 5.185 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

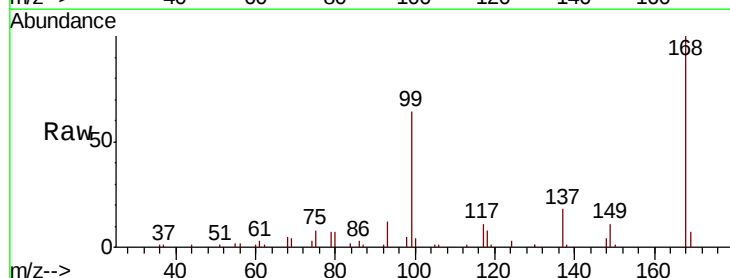
Tgt Ion: 117 Resp: 2597

Ion Ratio Lower Upper

117 100

119 6.6 78.2 117.2#

121 0.0 26.1 39.1#



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

7.95

1500

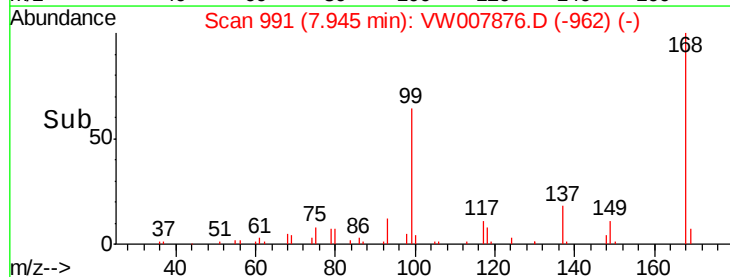
1000

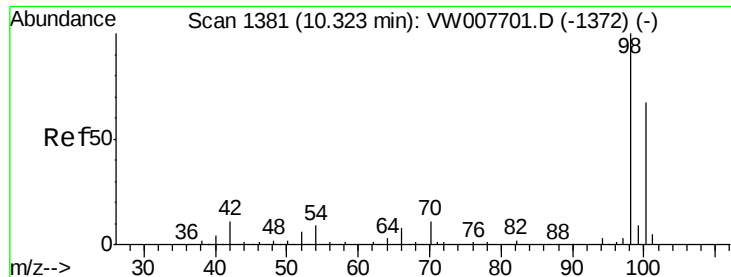
500

0

7.90 7.95 8.00

Time-->





#50

Toluene-d8

Concen: 42.727 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

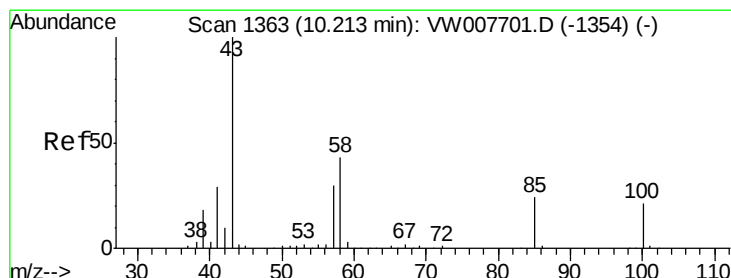
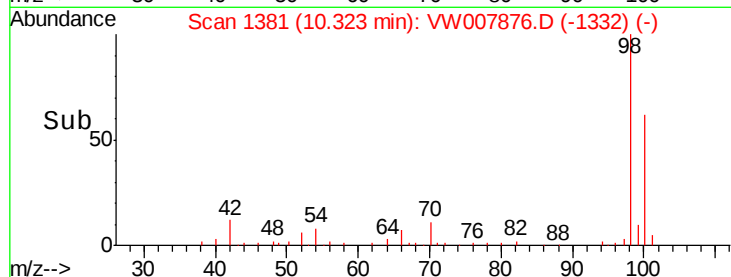
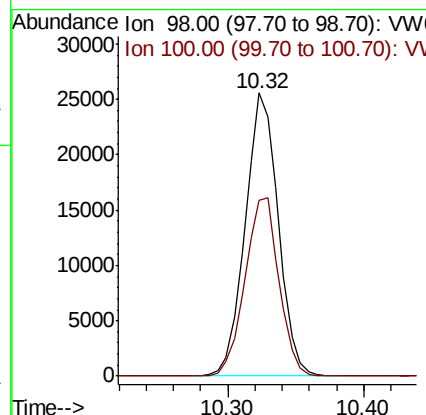
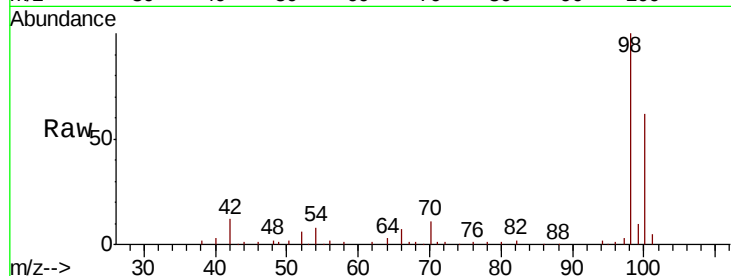
P001-SS026-0612-01

Tgt Ion: 98 Resp: 43300

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.367 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007876.D

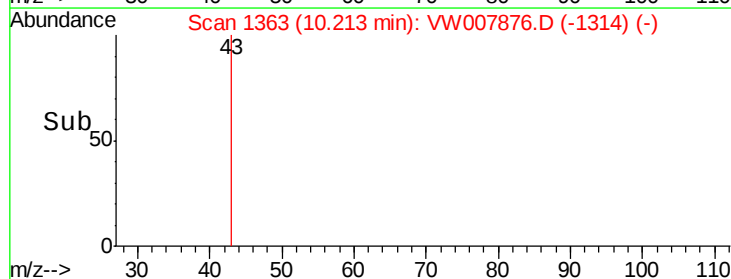
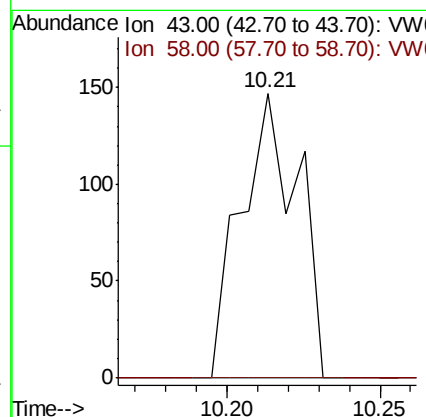
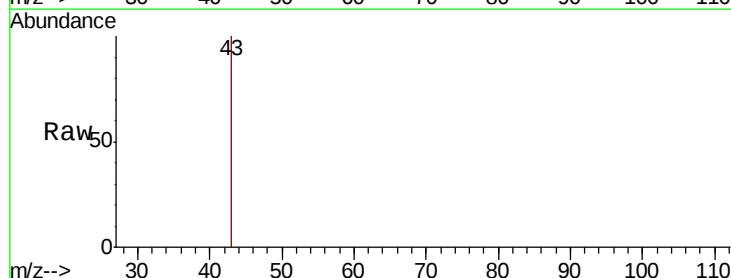
Acq: 23 Dec 2018 07:26

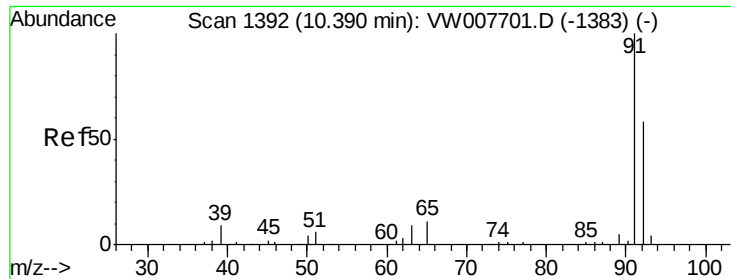
Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 0.0 33.2 49.8#





#52

Toluene

Concen: 2.028 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

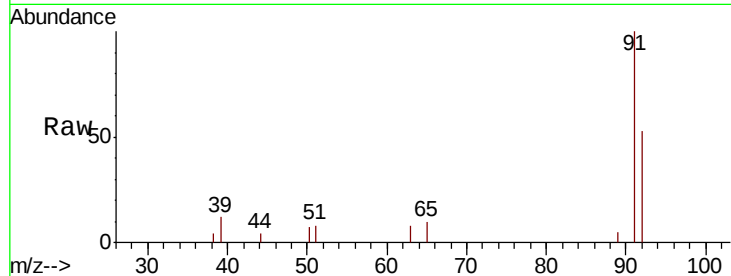
P001-SS026-0612-01

Tgt Ion: 92 Resp: 1544

Ion Ratio Lower Upper

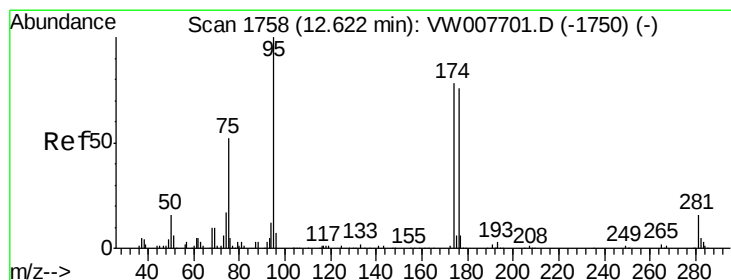
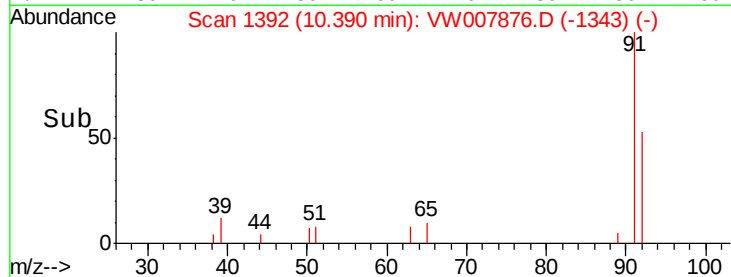
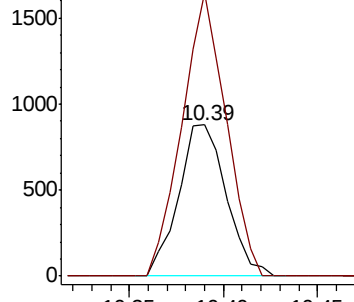
92 100

91 172.4 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 23.589 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

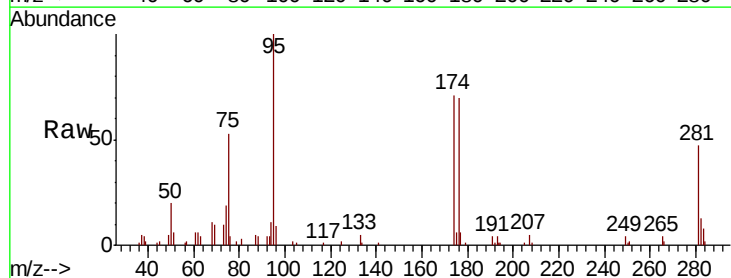
Tgt Ion: 95 Resp: 9235

Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

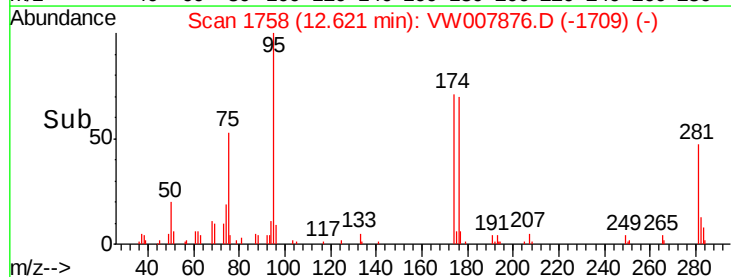
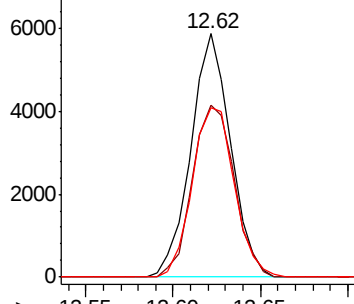
176 73.9 0.0 146.8

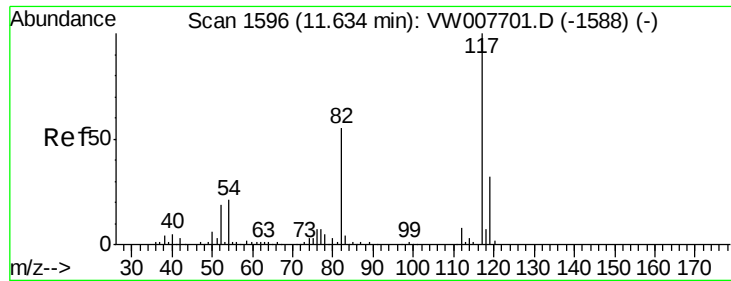


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

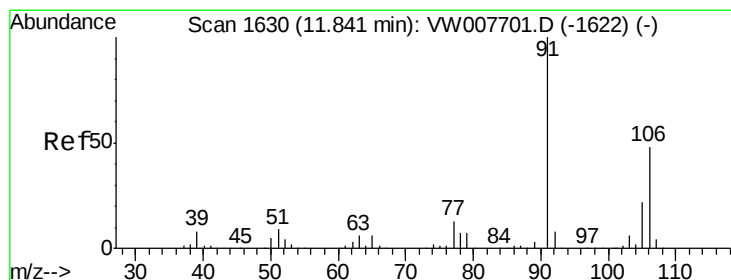
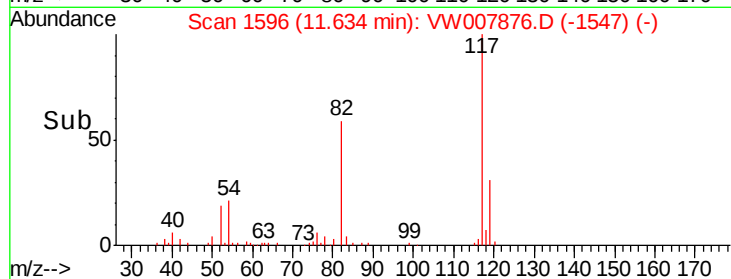
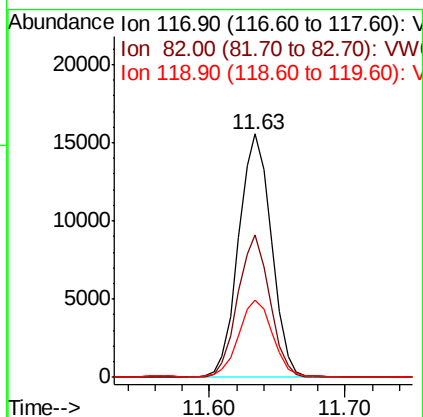
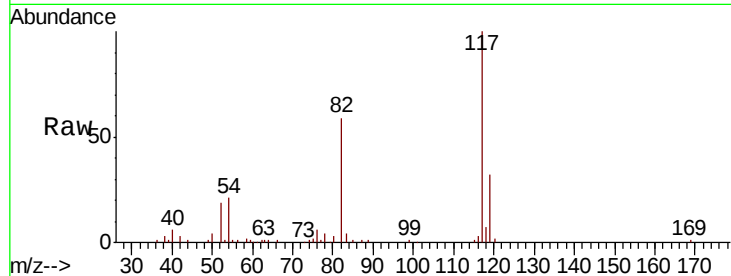




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007876.D
Acq: 23 Dec 2018 07:26

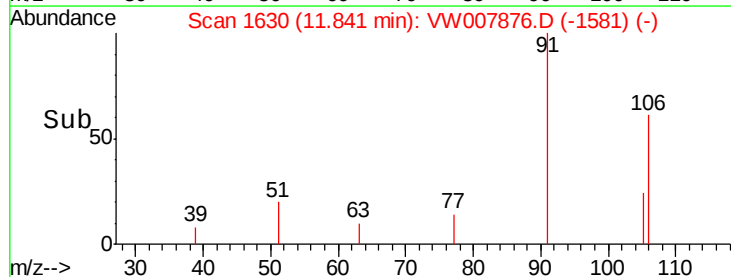
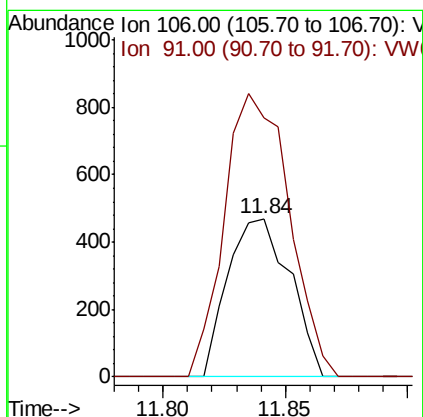
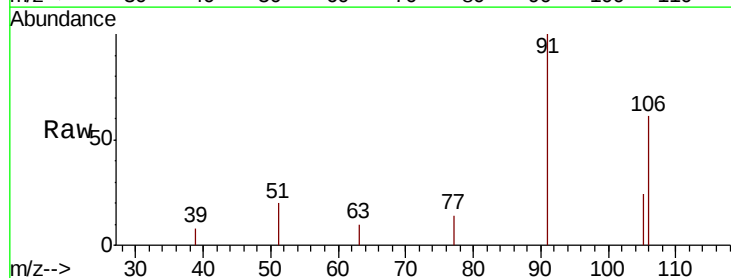
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-0612-01

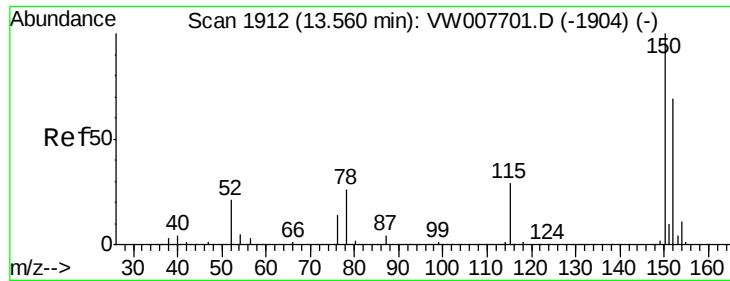
Tgt Ion:117 Resp: 26262
Ion Ratio Lower Upper
117 100
82 58.5 44.3 66.5
119 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 2.202 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007876.D
Acq: 23 Dec 2018 07:26

Tgt Ion:106 Resp: 833
Ion Ratio Lower Upper
106 100
91 186.3 165.2 247.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0612-01

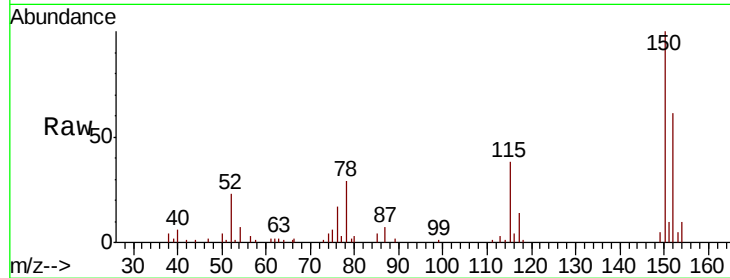
Tgt Ion:152 Resp: 6049

Ion Ratio Lower Upper

152 100

115 65.2 31.8 95.4

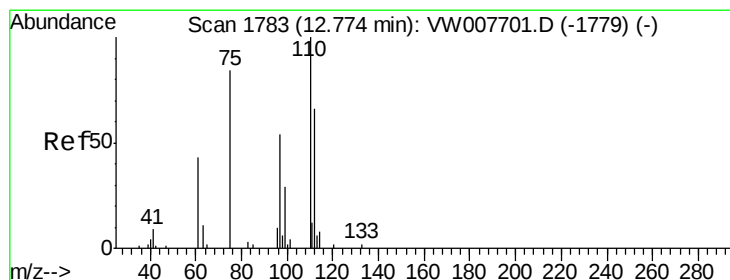
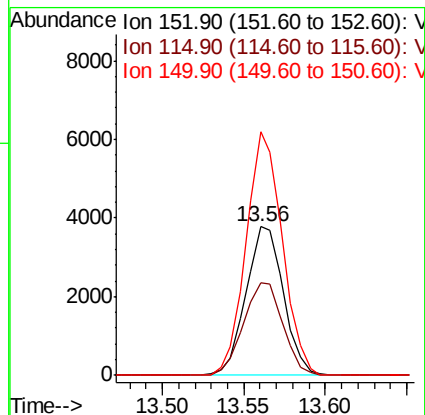
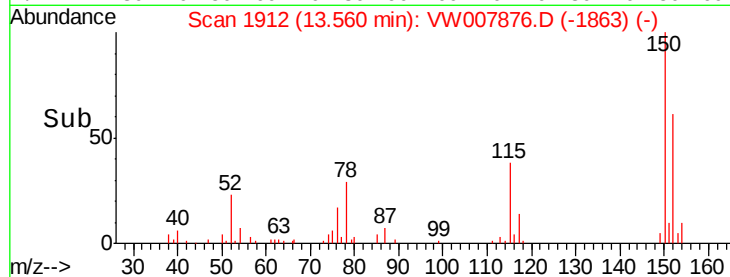
150 157.6 0.0 350.8



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



#76

1,2,3-Trichloropropane

Concen: 107.094 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007876.D

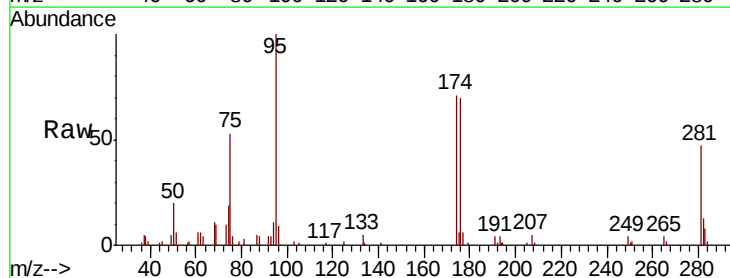
Acq: 23 Dec 2018 07:26

Tgt Ion: 75 Resp: 5007

Ion Ratio Lower Upper

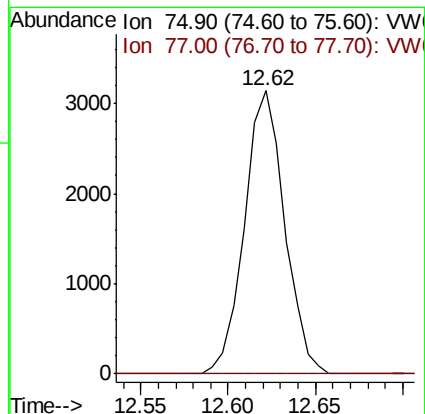
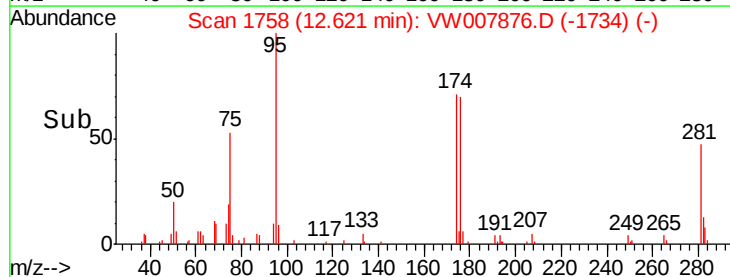
75 100

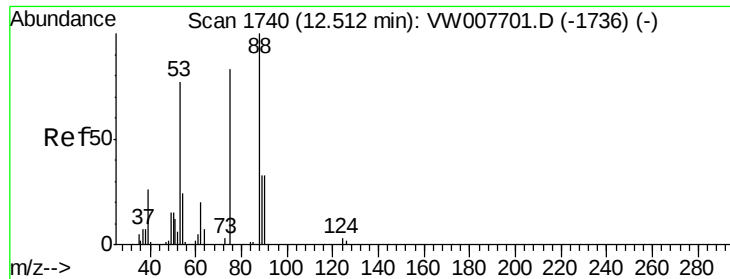
77 0.0 0.0 0.0



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: 224.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-0612-01

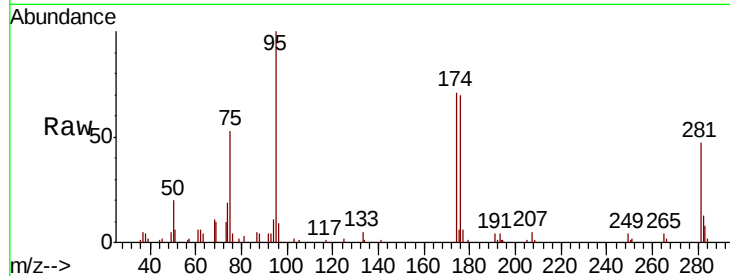
Tgt Ion: 75 Resp: 5007

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

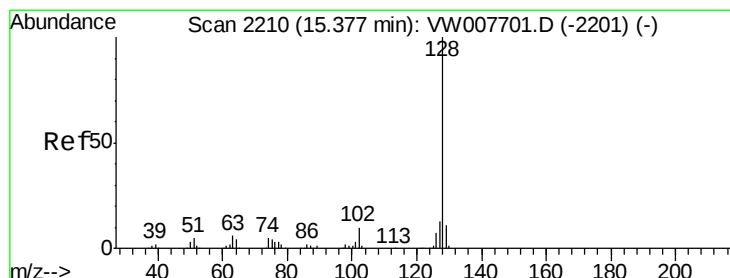
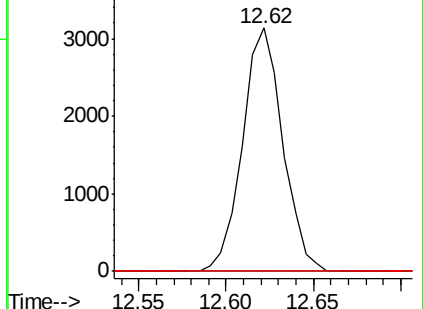
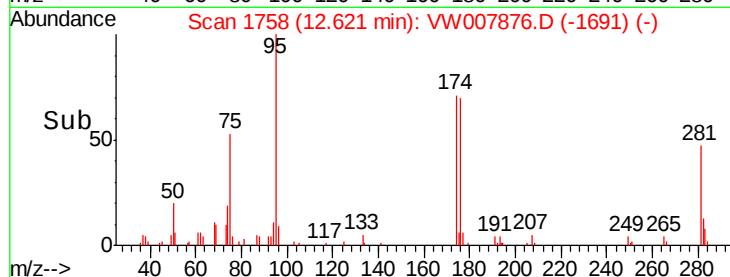
89 0.0 39.2 58.8#



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: 1.142 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007876.D

Acq: 23 Dec 2018 07:26

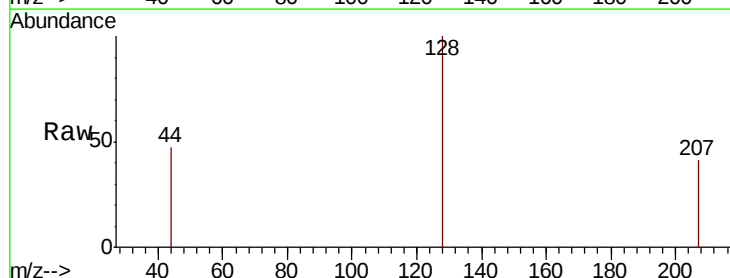
Tgt Ion: 128 Resp: 273

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.8 13.2#



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

