

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007781.D
 Acq On : 21 Dec 2018 08:40
 Operator : SY/AP
 Sample : J6389-06
 Misc : 6.15G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 10:07:53 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

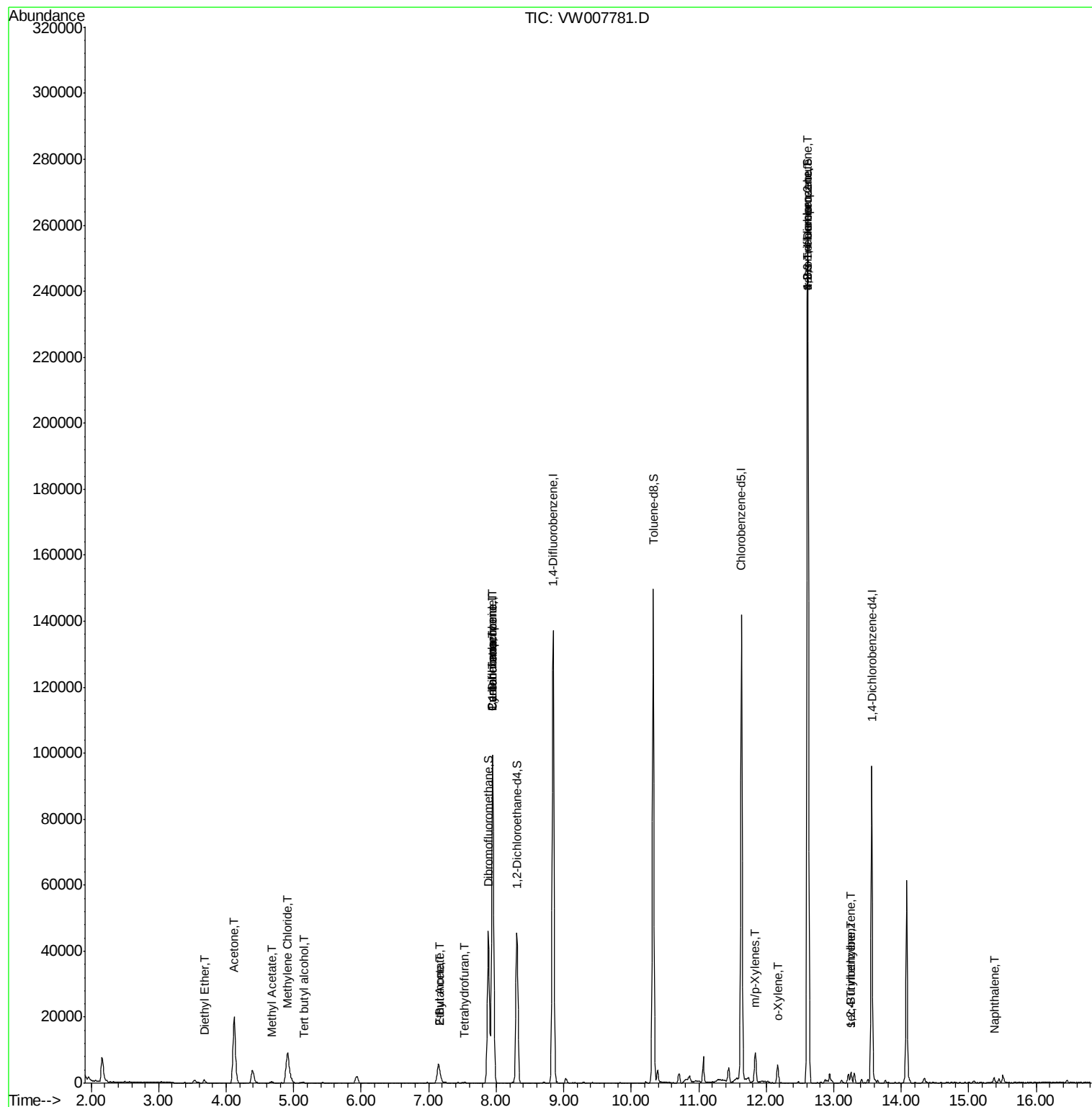
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	81561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	25512	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	38488	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.56%	
35) Dibromofluoromethane	7.88	113	32797	44.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.38%	
50) Toluene-d8	10.32	98	99690	36.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.06%	
62) 4-Bromofluorobenzene	12.62	95	28483	26.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.30%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	522	1.569	ug/l	63
11) Tert butyl alcohol	5.15	59	150	2.703	ug/l #	73
16) Acetone	4.12	43	33693	218.696	ug/l	96
18) Methyl Acetate	4.67	43	1080	2.948	ug/l #	79
20) Methylene Chloride	4.92	84	8782	5.827	ug/l	90
25) 2-Butanone	7.17	43	1829	10.136	ug/l #	89
29) Tetrahydrofuran	7.54	42	179	1.663	ug/l #	35
31) Cyclohexane	7.95	56	1455	1.188	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	5568	4.796	ug/l #	49
37) Ethyl Acetate	7.17	43	1829	4.565	ug/l #	68
38) Carbon Tetrachloride	7.95	117	7808	5.710	ug/l #	15
68) m/p-Xylenes	11.83	106	2661	2.264	ug/l	93
69) o-Xylene	12.17	106	1379	1.252	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	16038	81.335	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16038	170.729	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	2023	1.205	ug/l	99
85) sec-Butylbenzene	13.26	105	2023	1.006	ug/l #	56
95) Naphthalene	15.38	128	1860	1.845	ug/l	99

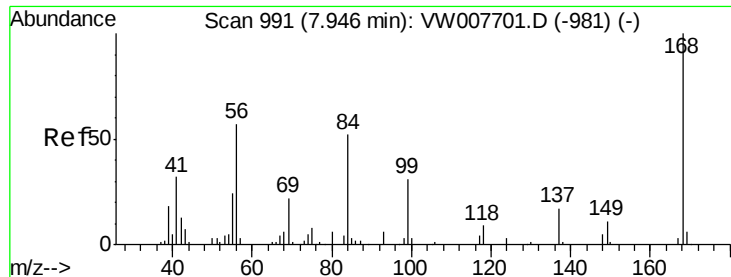
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

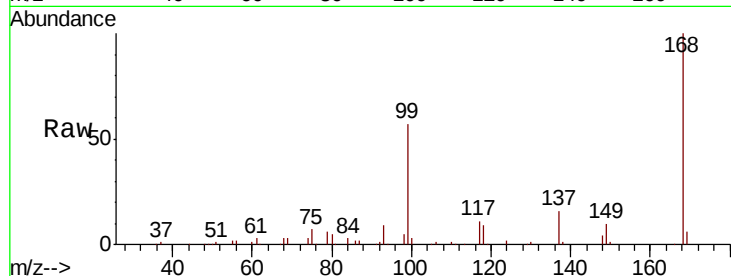
ClientSampled :

Tot Ion:168 Resp: 75063

Ion Ratio Lower Upper

168 100

99 56.9 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

30000

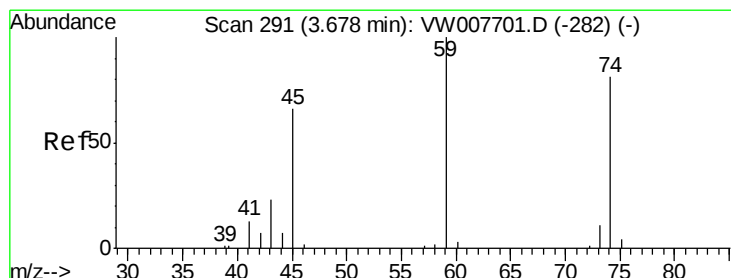
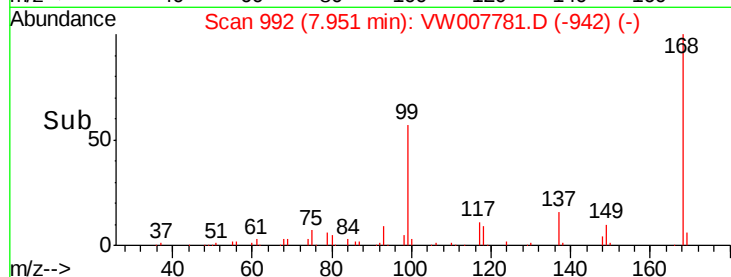
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.569 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007781.D

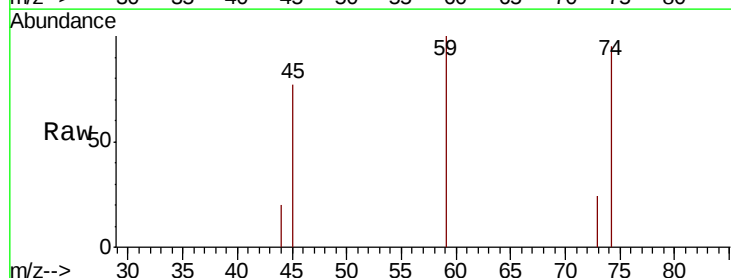
Acq: 21 Dec 2018 08:40

Tgt Ion: 74 Resp: 522

Ion Ratio Lower Upper

74 100

45 111.1 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

300

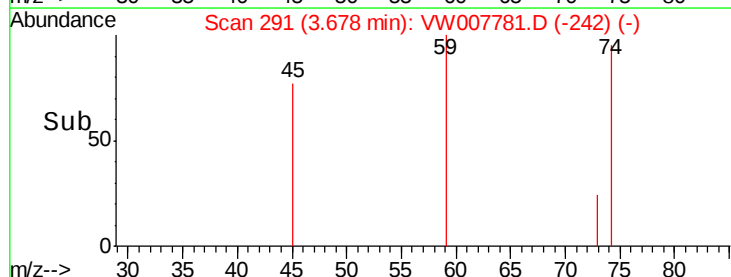
200

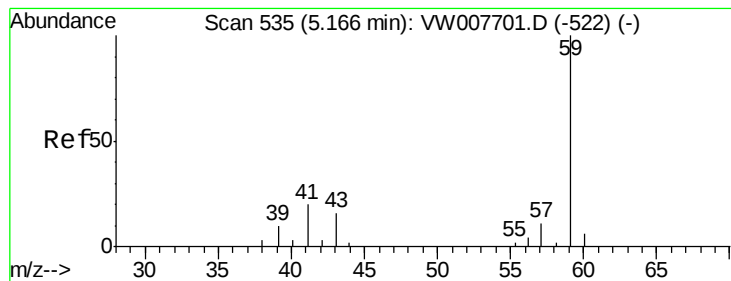
100

0

3.65 3.70

Time-->



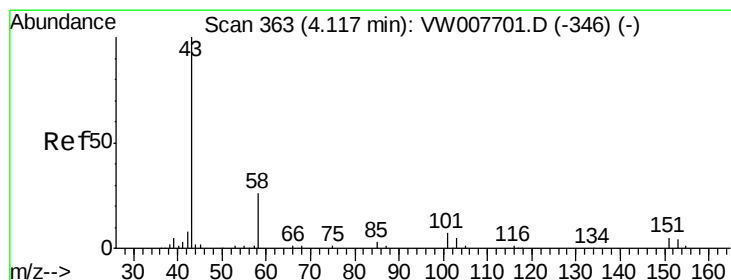
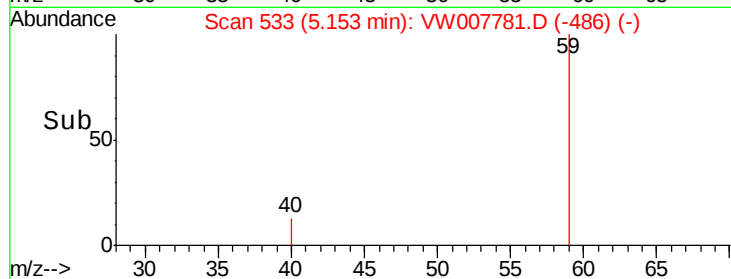
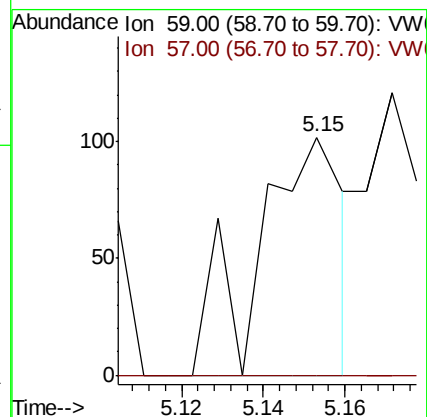
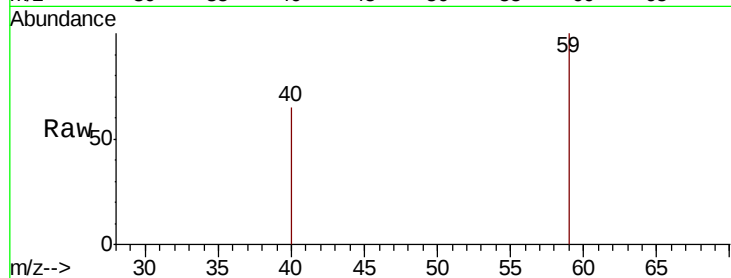


#11

Tert butyl alcohol
 Concen: 2.703 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

Instrument :
 MSVOA_W
 ClientSampled :

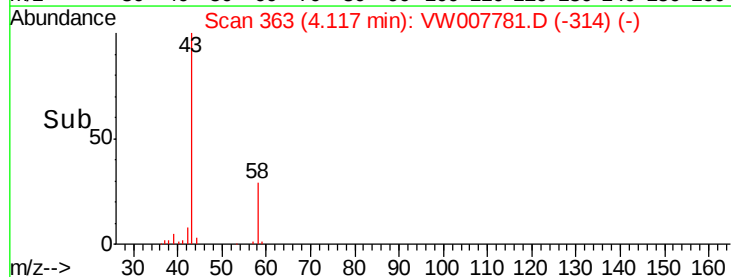
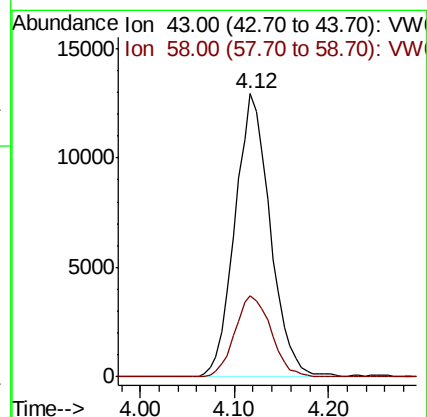
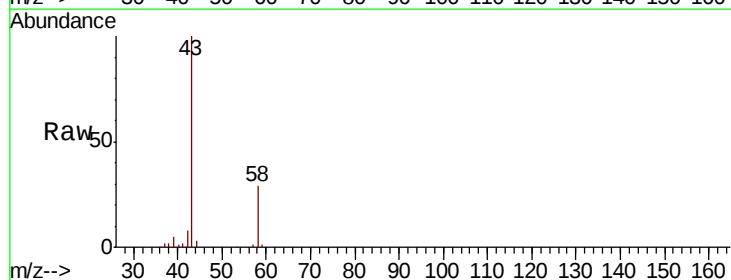
Tot Ion: 59 Resp: 150
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

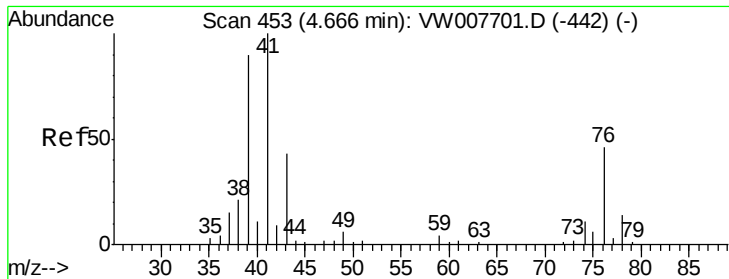


#16

Acetone
 Concen: 218.696 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

Tgt Ion: 43 Resp: 33693
 Ion Ratio Lower Upper
 43 100
 58 28.8 21.2 31.8





#18

Methyl Acetate

Concen: 2.948 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

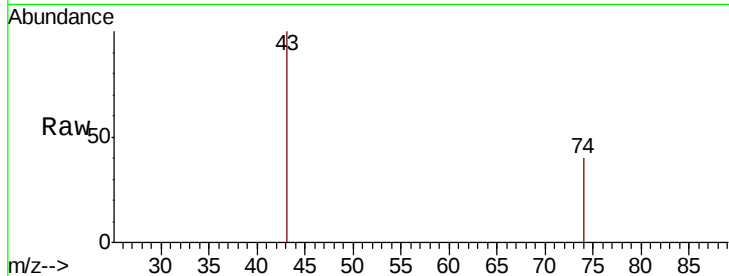
ClientSampleId :

Tot Ion: 43 Resp: 1080

Ion Ratio Lower Upper

43 100

74 17.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

400

300

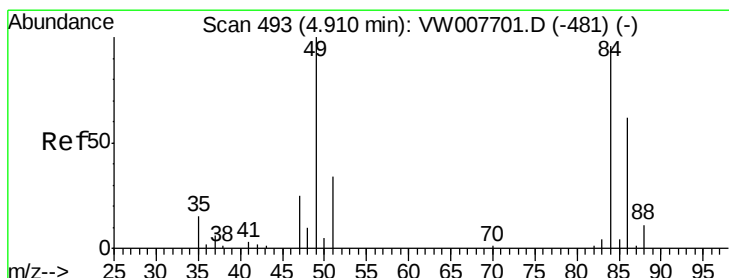
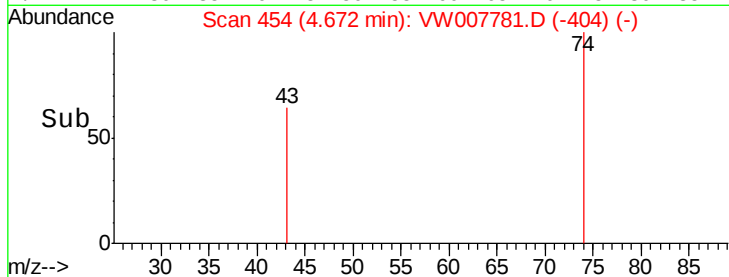
200

100

0

4.60 4.65 4.70 4.75

Time-->



#20

Methylene Chloride

Concen: 5.827 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Tgt Ion: 84 Resp: 8782

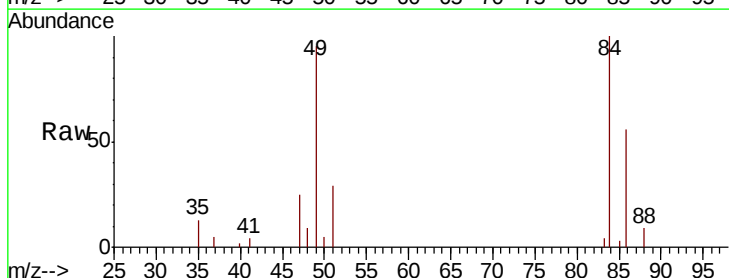
Ion Ratio Lower Upper

84 100

49 95.1 83.7 125.5

51 29.4 28.2 42.2

86 55.7 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4000

3000

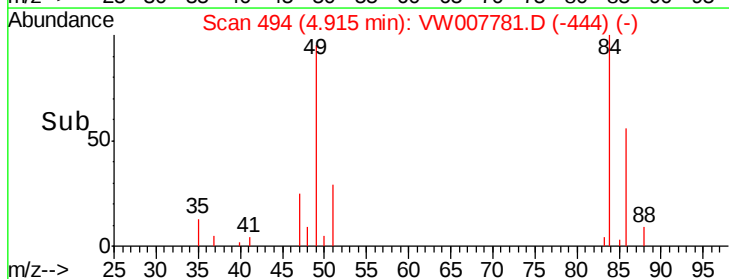
2000

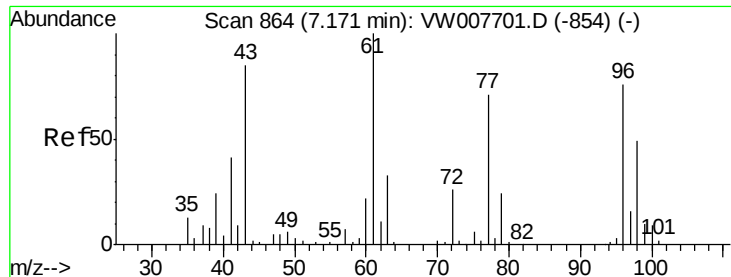
1000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 10.136 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

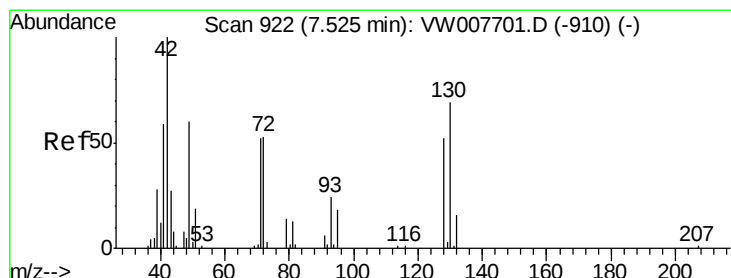
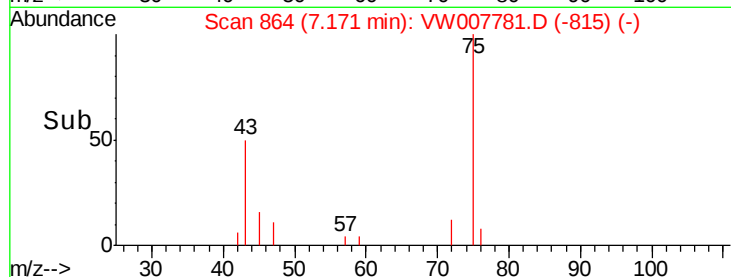
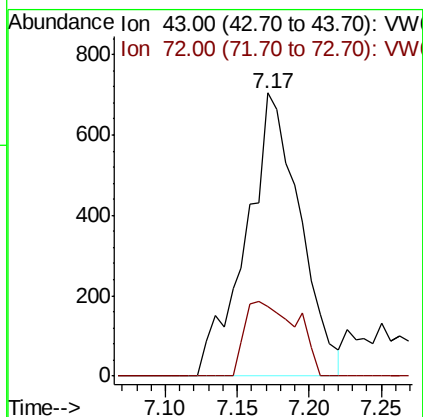
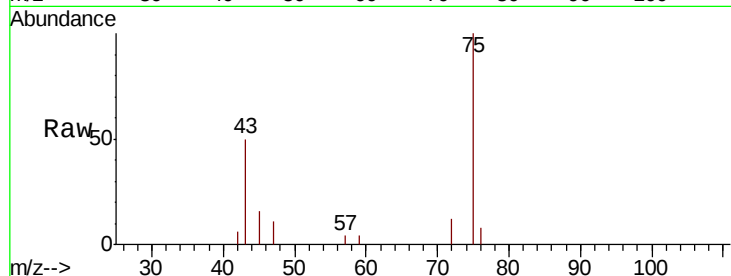
ClientSampled :

Tot Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

72 24.4 24.5 36.7#



#29

Tetrahydrofuran

Concen: 1.663 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

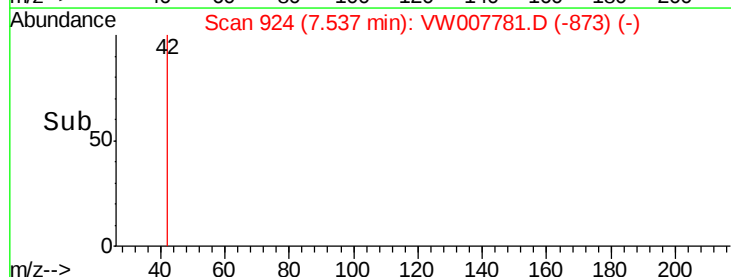
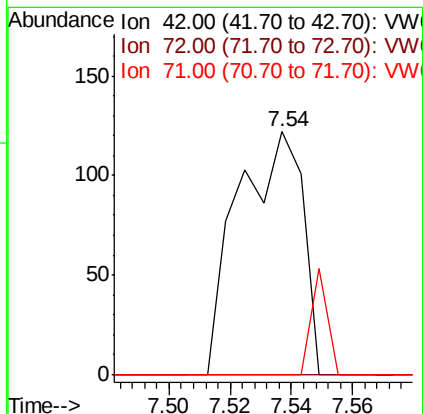
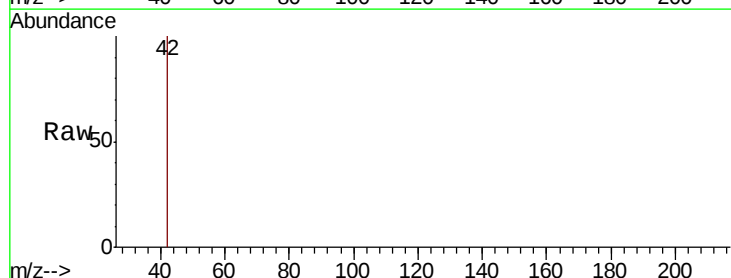
Tgt Ion: 42 Resp: 179

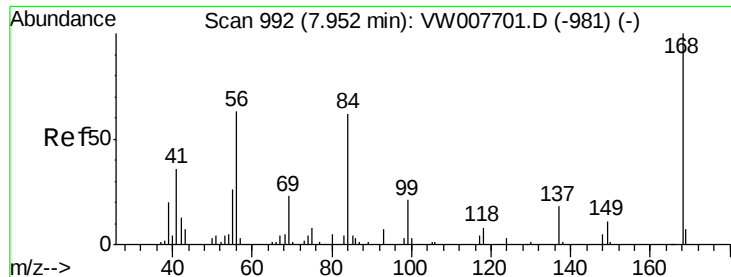
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 10.6 39.0 58.6#

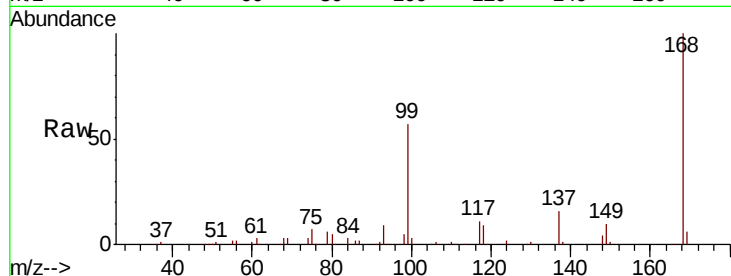




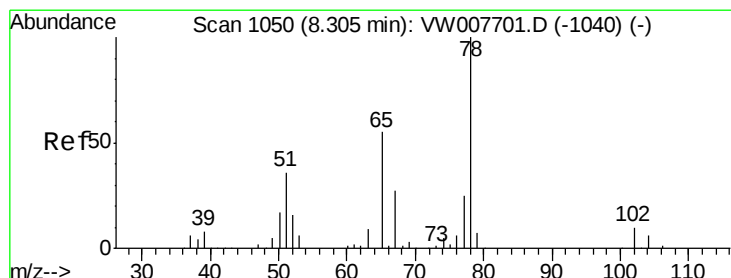
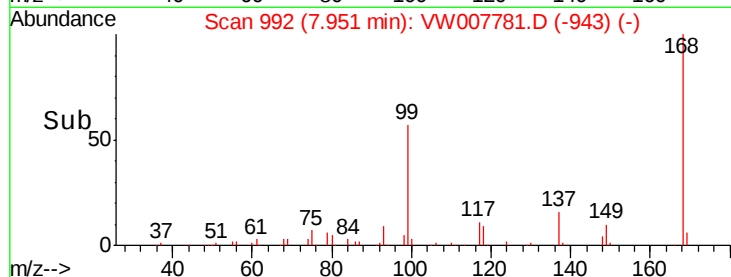
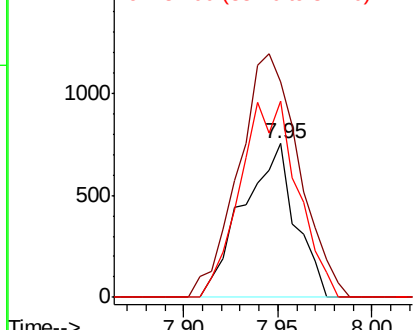
#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 1455
Ion Ratio Lower Upper
56 100
69 140.1 29.7 44.5#
84 127.8 78.9 118.3#

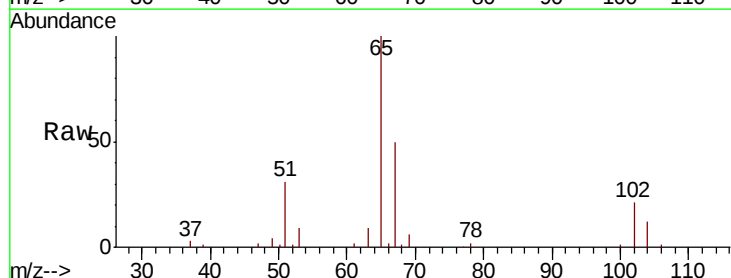


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

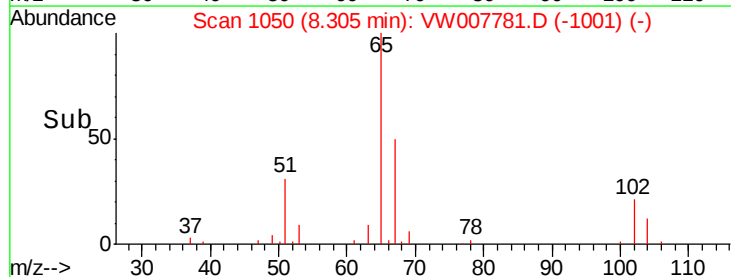
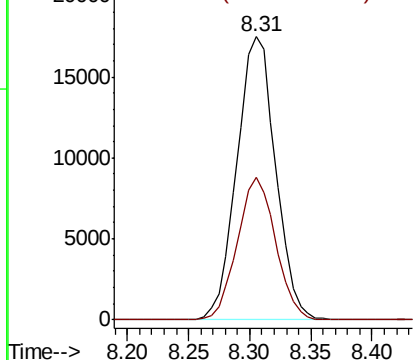


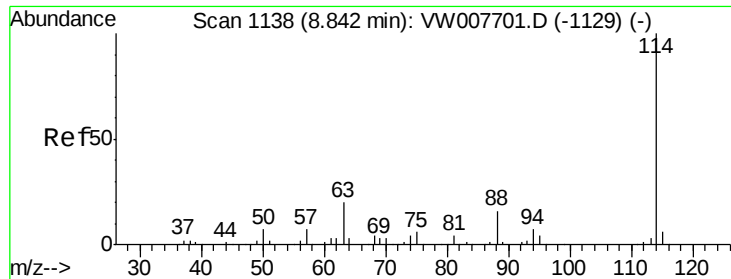
#33
1,2-Dichloroethane-d4
Concen: 46.781 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

Tgt Ion: 65 Resp: 38488
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.6



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: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

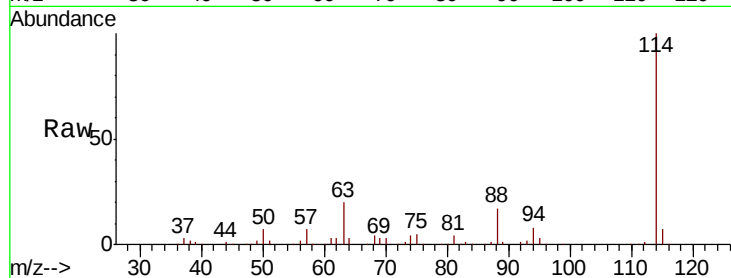
Tot Ion:114 Resp: 120293

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

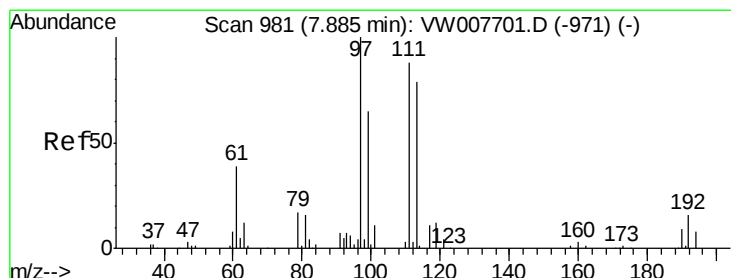
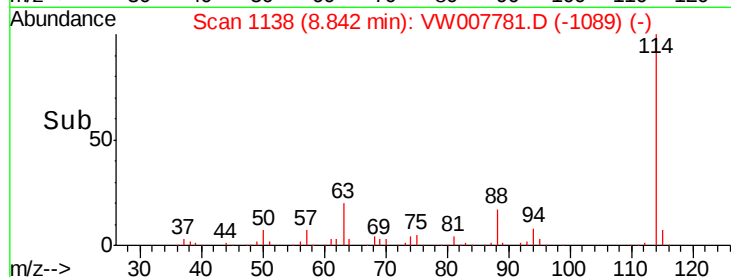
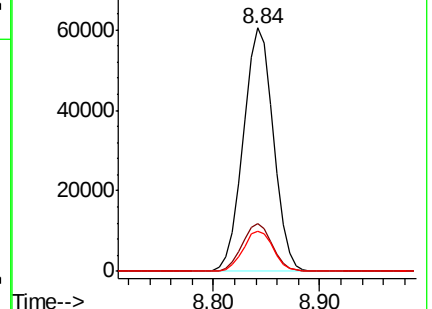
88 16.6 0.0 32.6



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: 44.692 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

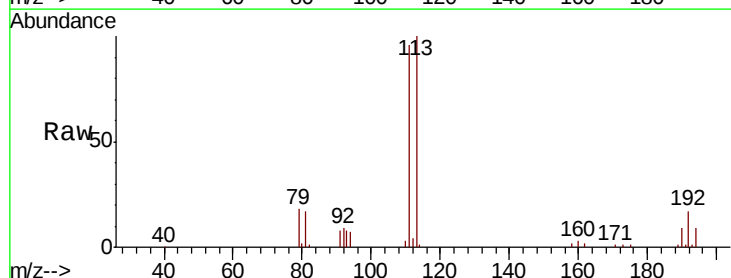
Tgt Ion:113 Resp: 32797

Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

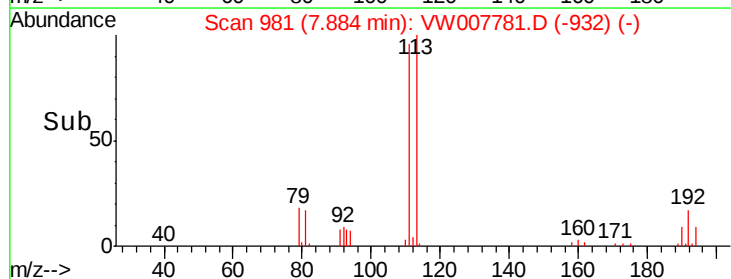
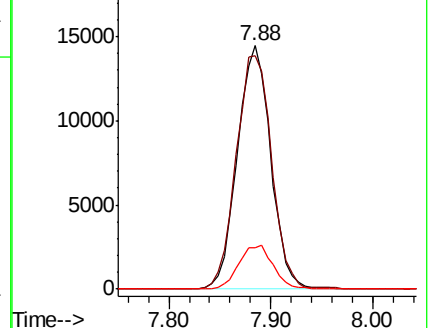
192 18.6 15.5 23.3

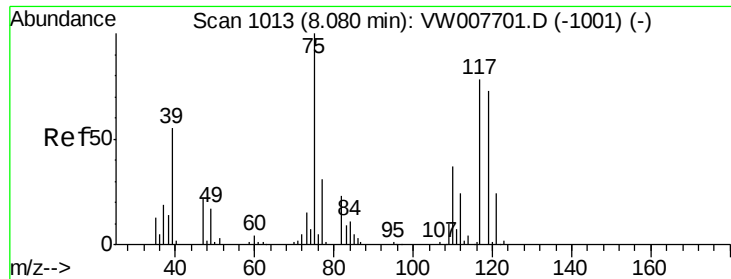


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

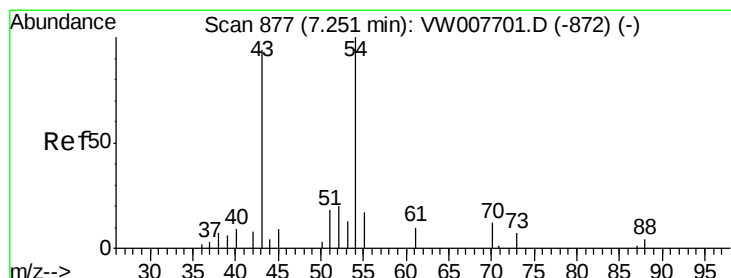
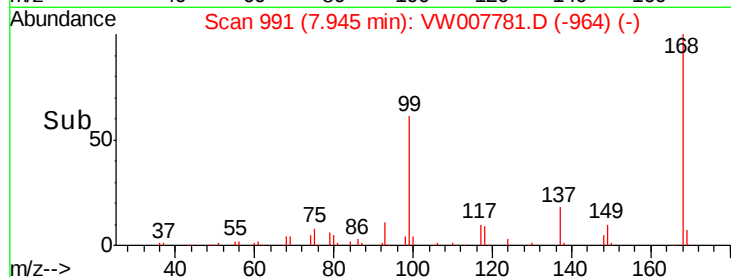
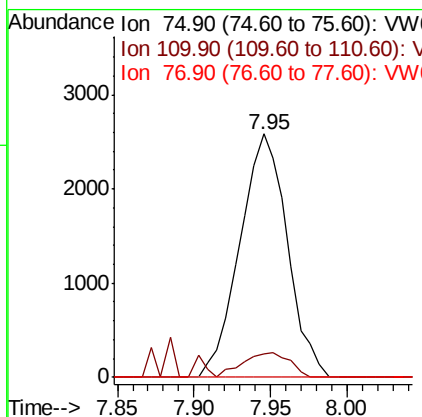
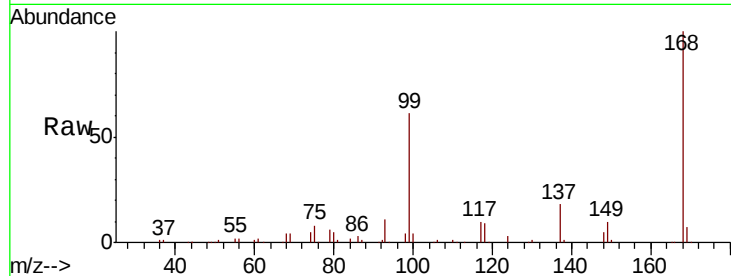




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

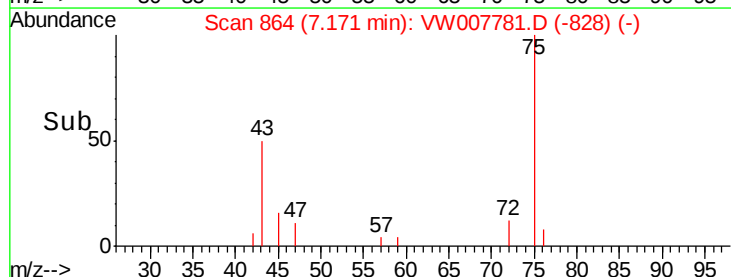
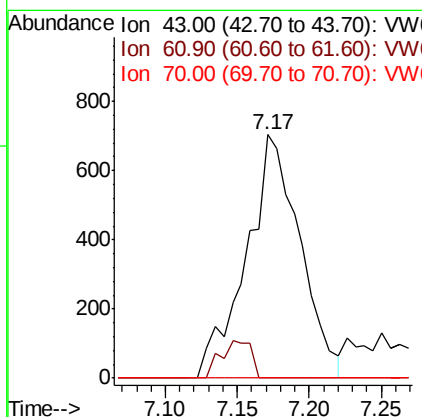
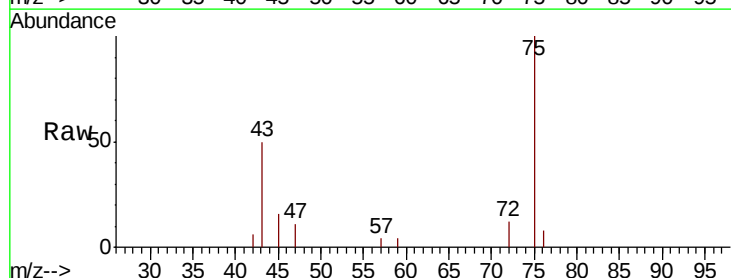
Instrument :
 MSVOA_W
 ClientSampleId :

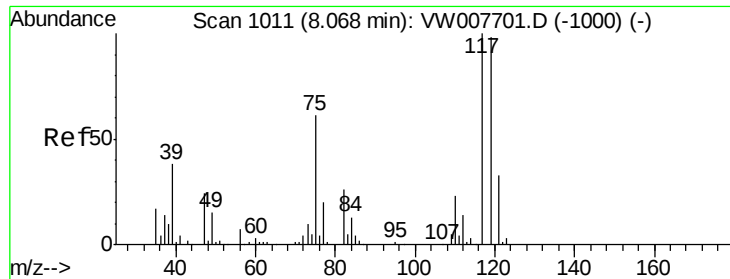
Tot Ion: 75 Resp: 5568
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 4.565 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

Tgt Ion: 43 Resp: 1829
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.710 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

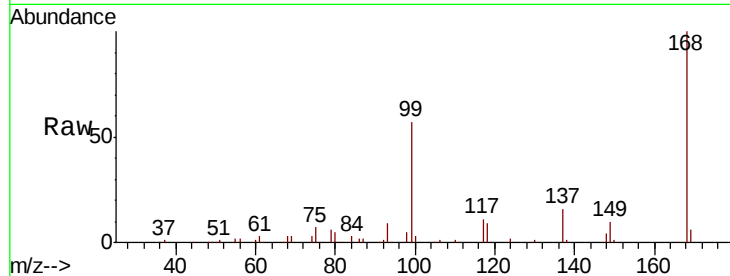
Tot Ion:117 Resp: 7808

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

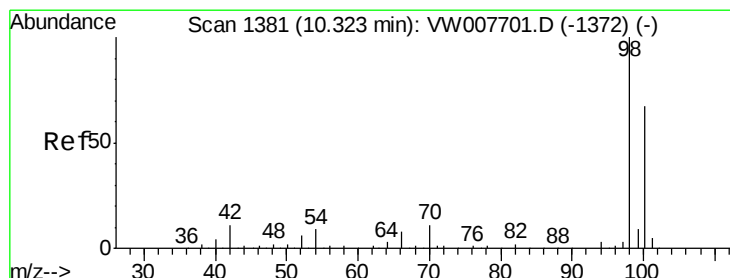
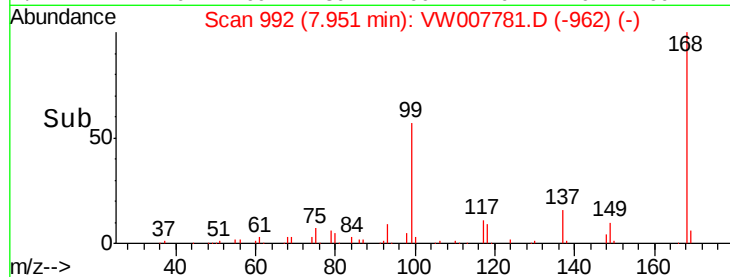
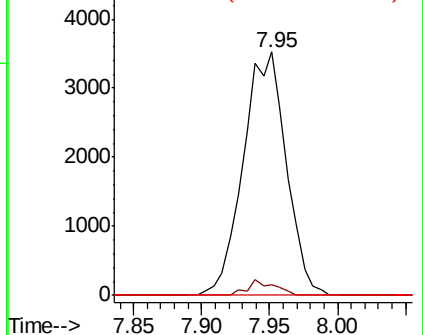
121 0.0 26.1 39.1#



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



#50

Toluene-d8

Concen: 36.035 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007781.D

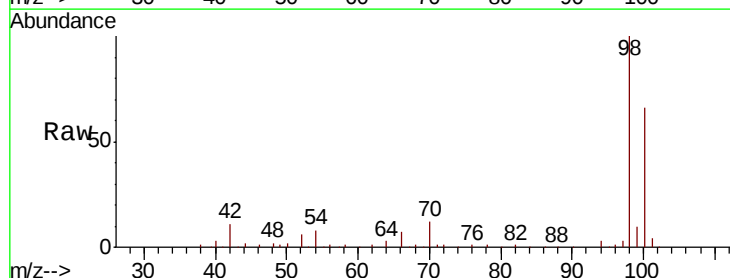
Acq: 21 Dec 2018 08:40

Tgt Ion: 98 Resp: 99690

Ion Ratio Lower Upper

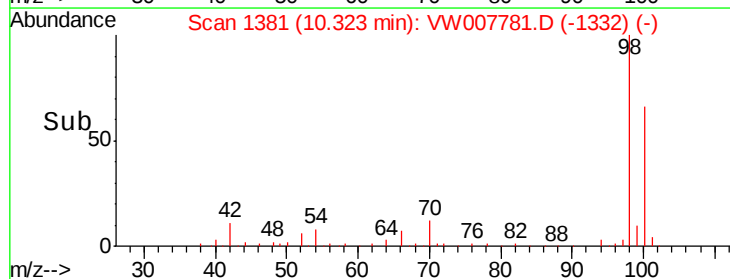
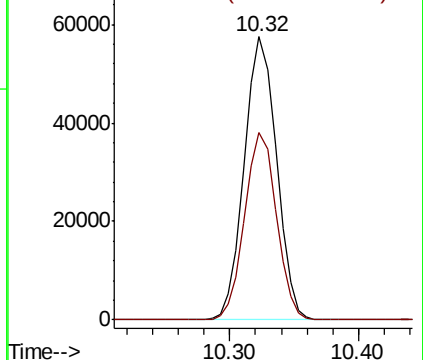
98 100

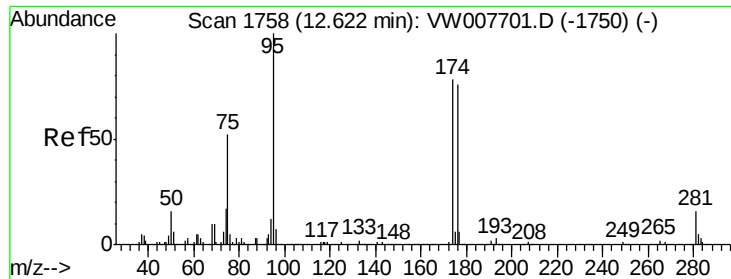
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

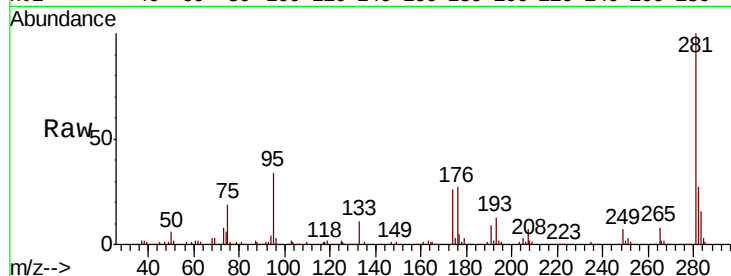




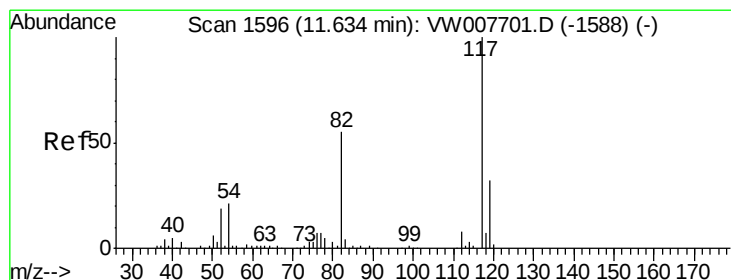
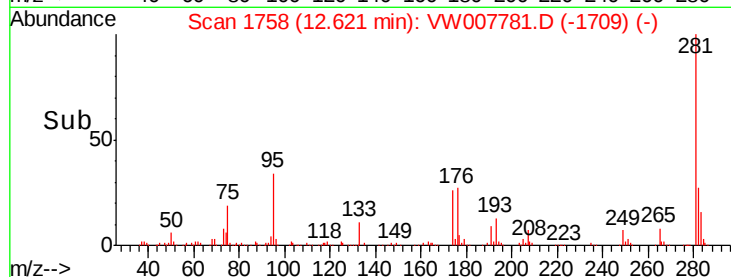
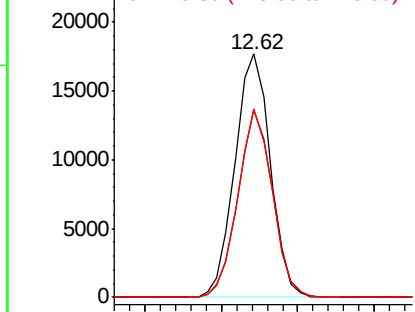
#62
4-Bromofluorobenzene
Concen: 26.650 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 28483
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.2
176 74.8 0.0 146.8

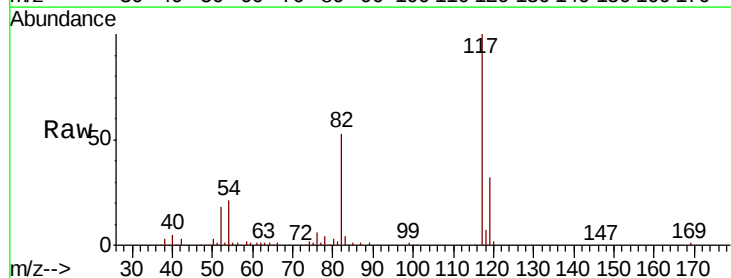


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

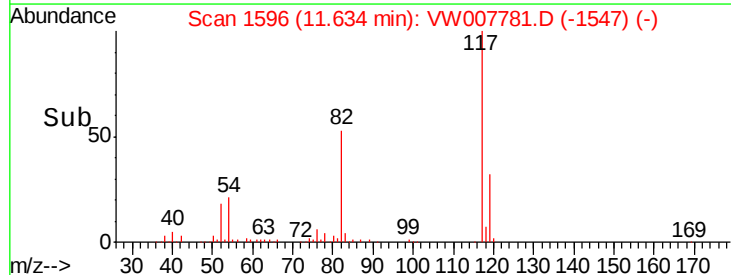
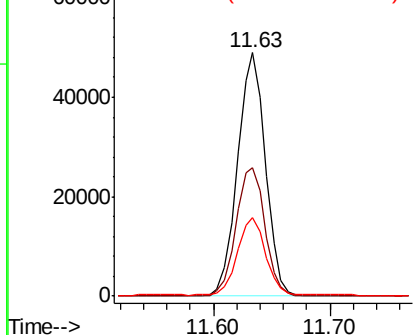


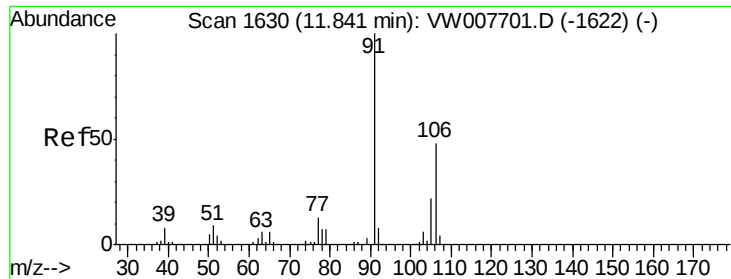
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

Tgt Ion: 117 Resp: 81561
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 31.7 25.7 38.5



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

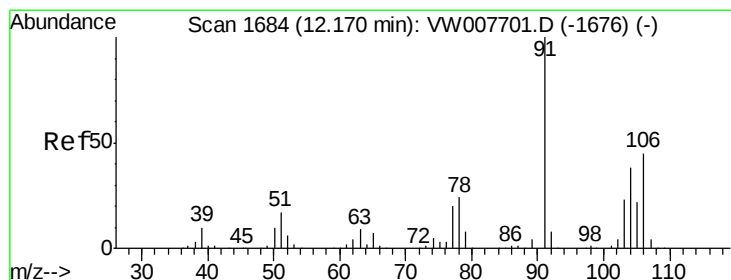
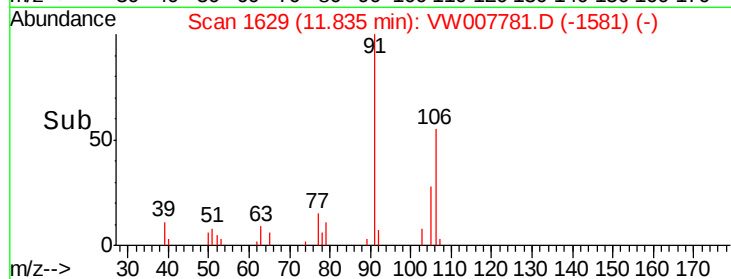
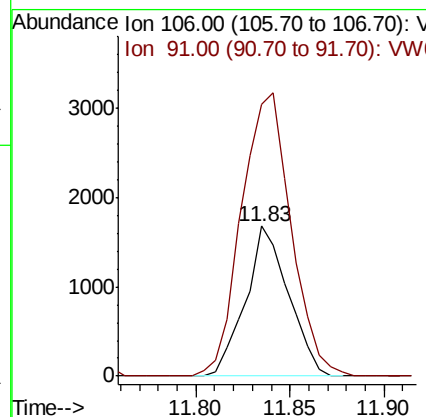
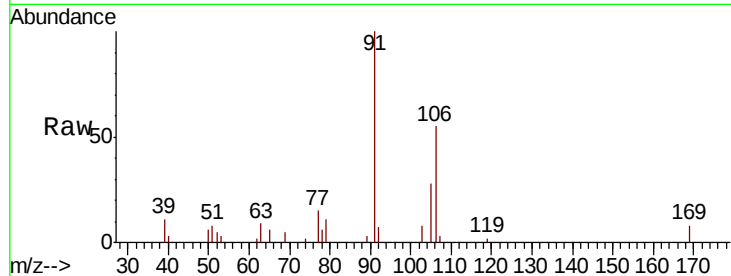




#68
m/p-Xylenes
Concen: 2.264 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

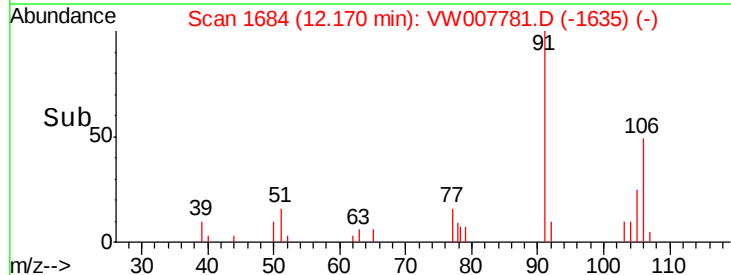
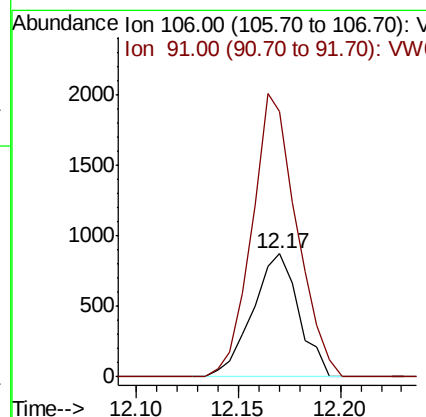
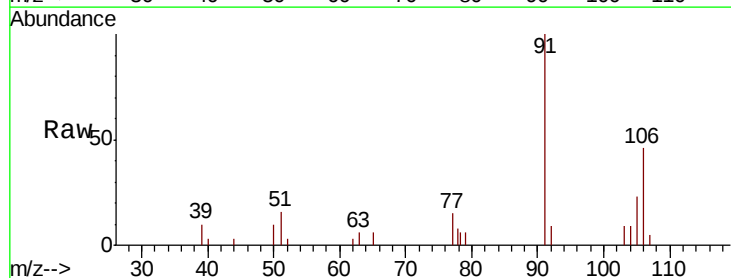
Instrument :
MSVOA_W
ClientSampled :

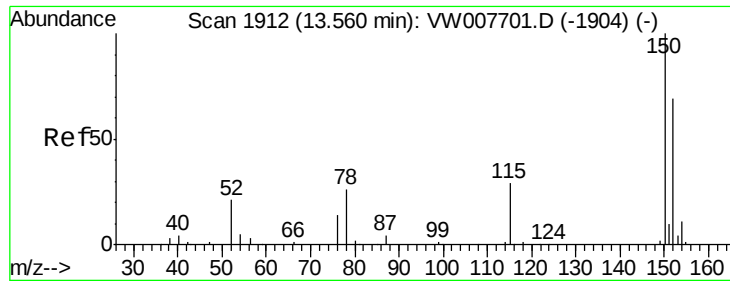
Tot Ion:106 Resp: 2661
Ion Ratio Lower Upper
106 100
91 217.4 165.2 247.8



#69
o-Xylene
Concen: 1.252 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007781.D
Acq: 21 Dec 2018 08:40

Tgt Ion:106 Resp: 1379
Ion Ratio Lower Upper
106 100
91 223.0 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

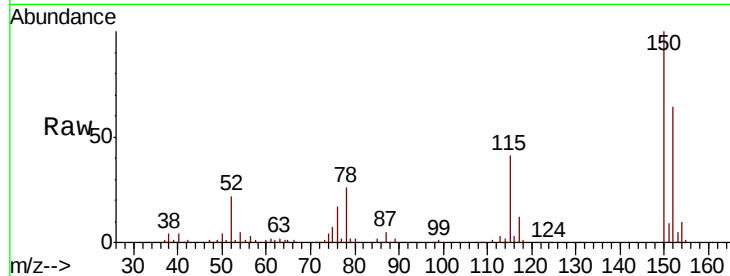
Tot Ion:152 Resp: 25512

Ion Ratio Lower Upper

152 100

115 62.0 31.8 95.4

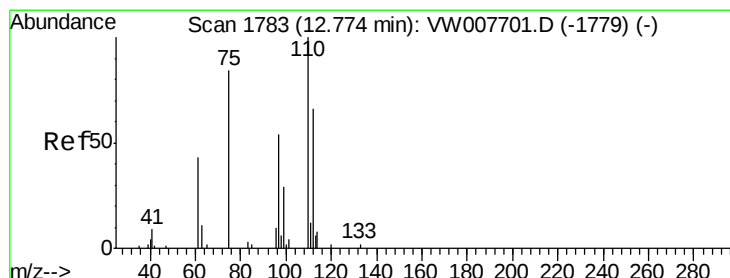
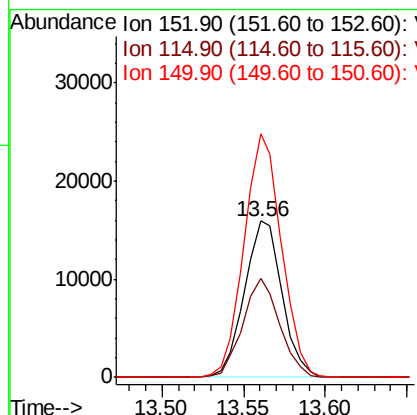
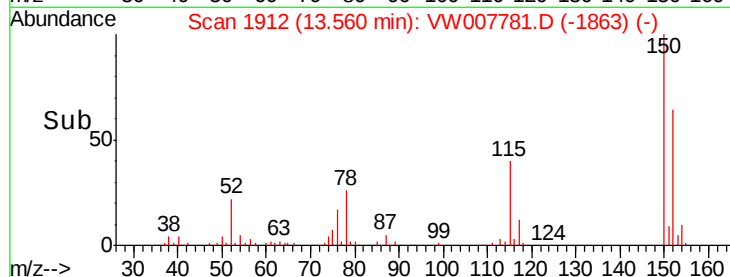
150 155.1 0.0 350.8



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: 81.335 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007781.D

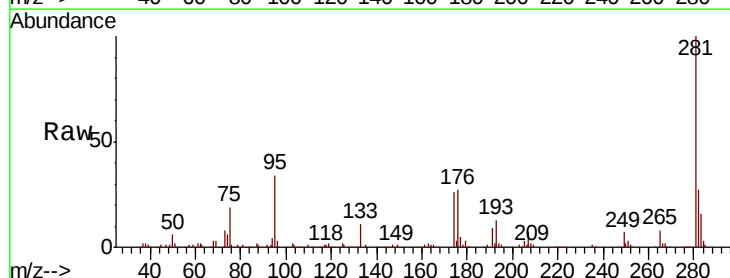
Acq: 21 Dec 2018 08:40

Tgt Ion: 75 Resp: 16038

Ion Ratio Lower Upper

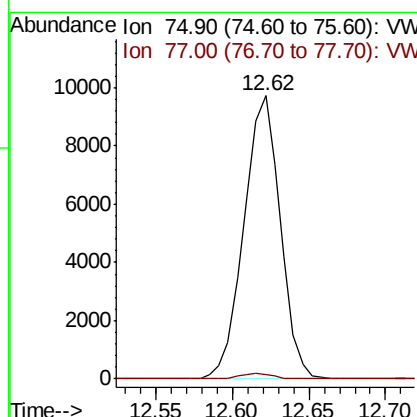
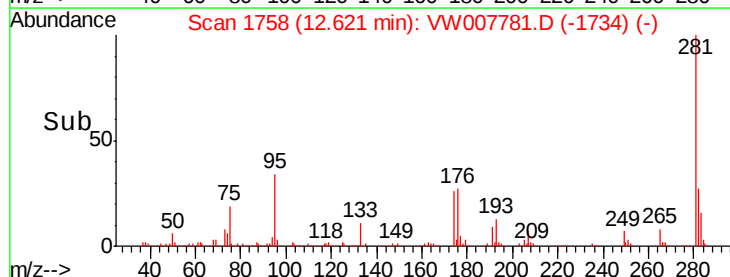
75 100

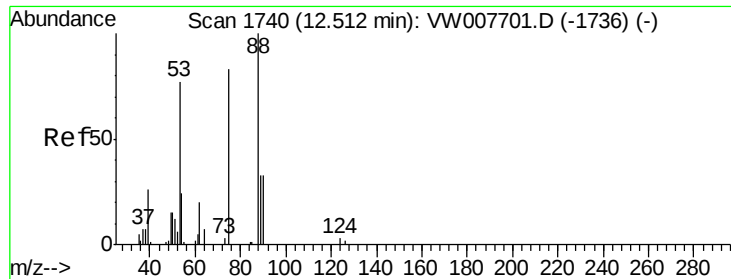
77 1.6 0.0 0.0#



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: 170.729 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007781.D

Acq: 21 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

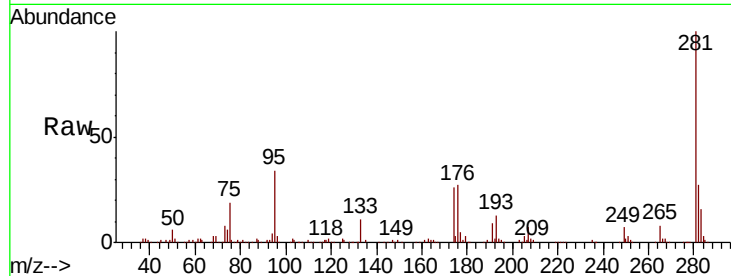
Tot Ion: 75 Resp: 16038

Ion Ratio Lower Upper

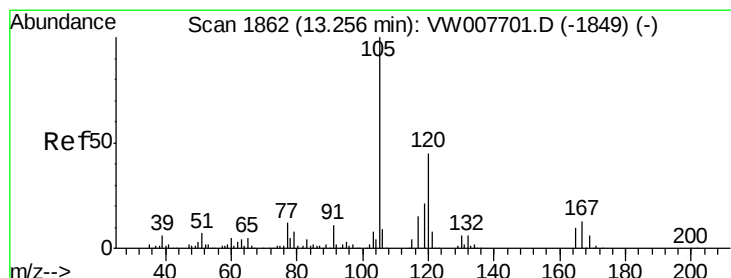
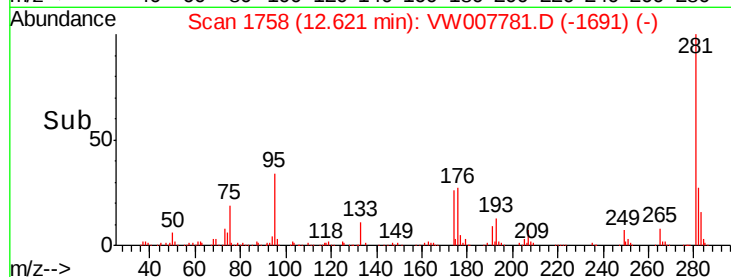
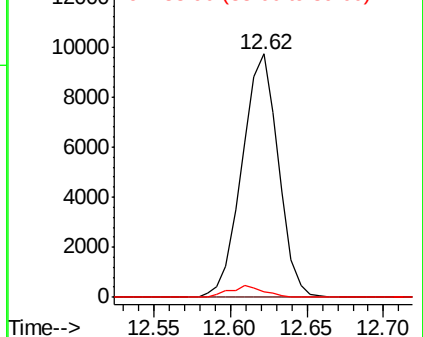
75 100

53 0.0 80.2 120.2#

89 4.4 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



#84

1,2,4-Trimethylbenzene

Concen: 1.205 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007781.D

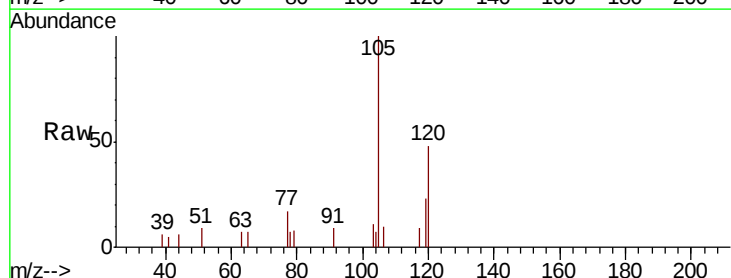
Acq: 21 Dec 2018 08:40

Tgt Ion: 105 Resp: 2023

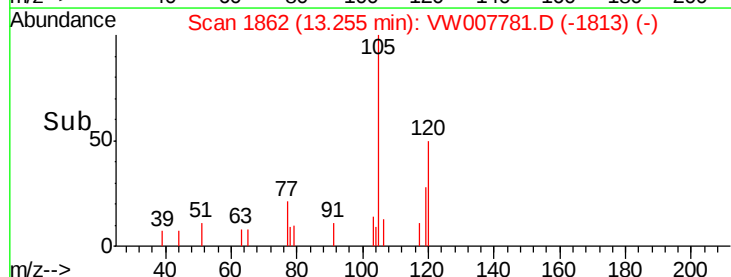
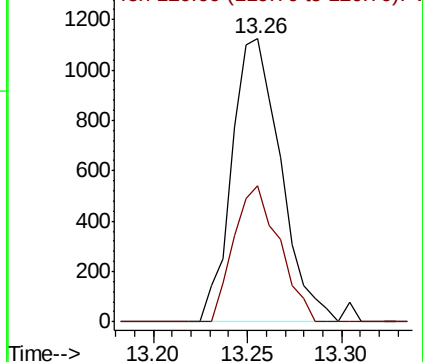
Ion Ratio Lower Upper

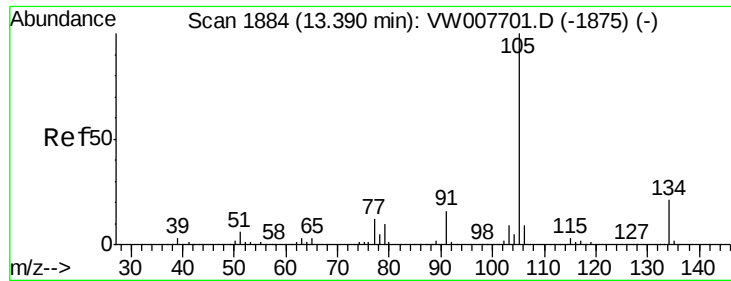
105 100

120 44.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

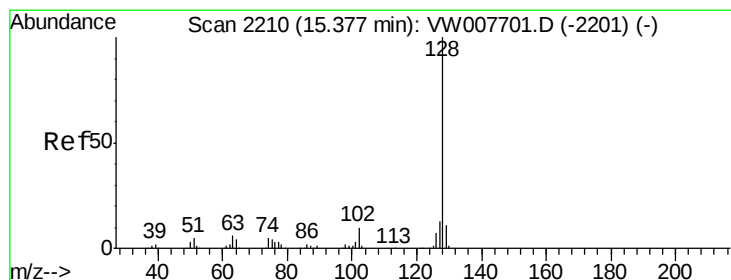
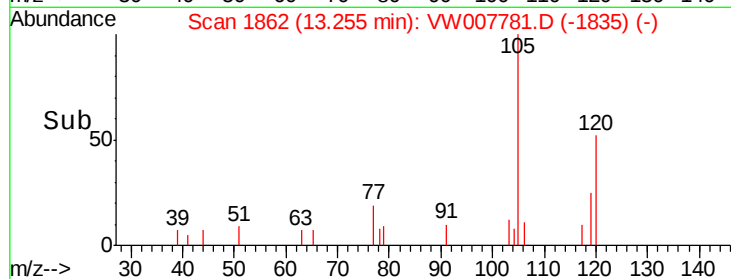
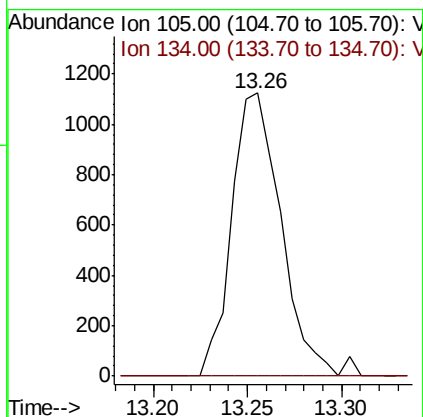
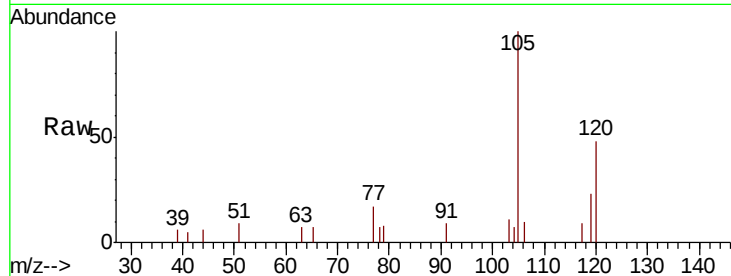




#85
 sec-Butylbenzene
 Concen: 1.006 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 2023
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 1.845 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007781.D
 Acq: 21 Dec 2018 08:40

Tgt Ion:128 Resp: 1860
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.7 16.1
 129 10.2 8.8 13.2

