

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007289.D
 Acq On : 06 Dec 2018 20:00
 Operator : SY/AP
 Sample : J6231-02RE
 Misc : 6.99G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:16:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	146963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	135493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39466	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
35) Dibromofluoromethane	7.88	113	34417	40.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.80%	
50) Toluene-d8	10.32	98	141424	38.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.30%	
62) 4-Bromofluorobenzene	12.62	95	56926	40.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.38%	

Target Compounds

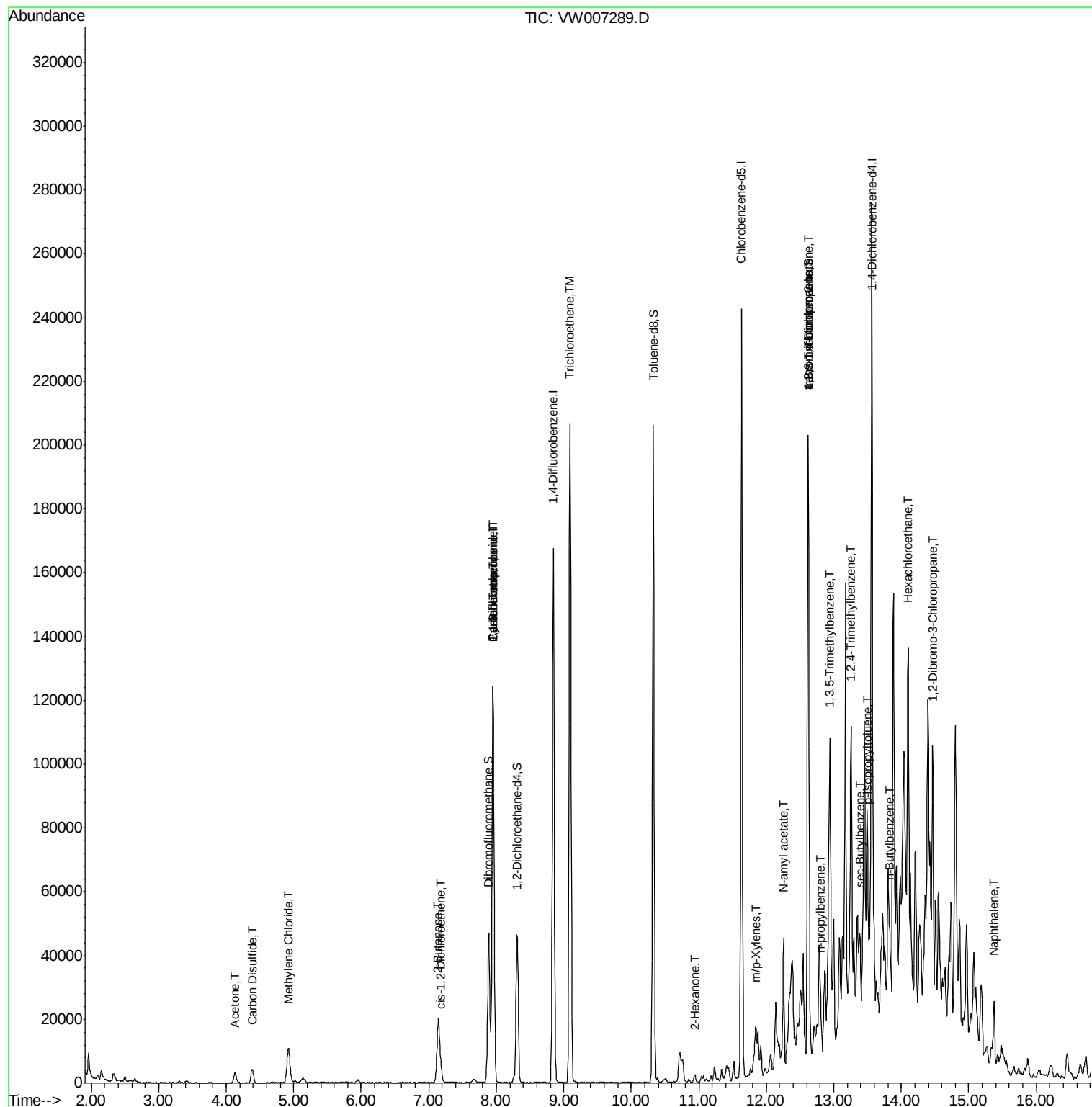
						Qvalue
11) Tert butyl alcohol	5.12	59	748	Below Cal	#	75
16) Acetone	4.14	43	6150	30.210	ug/l	96
17) Carbon Disulfide	4.39	76	8946	3.069	ug/l	96
20) Methylene Chloride	4.92	84	9188	4.183	ug/l	96
25) 2-Butanone	7.14	43	906	3.839	ug/l #	46
27) cis-1,2-Dichloroethene	7.18	96	2392	2.260	ug/l	89
31) Cyclohexane	7.95	56	1861	1.091	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	6988	4.887	ug/l #	48
38) Carbon Tetrachloride	7.95	117	9471	6.489	ug/l #	18
44) Trichloroethene	9.09	130	73822	66.976	ug/l	92
59) 2-Hexanone	10.94	43	1325	3.692	ug/l #	23
68) m/p-Xylenes	11.83	106	2189	1.012	ug/l	89
74) N-amyl acetate	12.26	43	8184	8.384	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	29504	56.288	ug/l #	100
78) n-propylbenzene	12.81	91	8134	1.240	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	5772	1.225	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	29504	121.321	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.26	105	49965	10.392	ug/l	100
85) sec-Butylbenzene	13.39	105	8572	1.459	ug/l #	64
86) p-Isopropyltoluene	13.51	119	7695	1.471	ug/l	96
89) n-Butylbenzene	13.83	91	16948	3.467	ug/l #	70
90) Hexachloroethane	14.10	117	4703	5.900	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.47	75	390	2.816	ug/l #	1
95) Naphthalene	15.37	128	17625	6.719	ug/l #	95

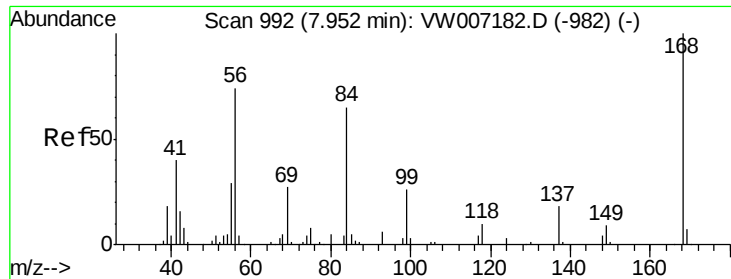
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007289.D
Acq On : 06 Dec 2018 20:00
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 07 01:16:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

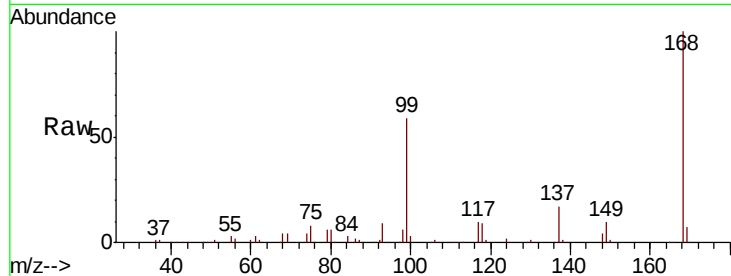
ClientSampled :

Tot Ion:168 Resp: 92363

Ion Ratio Lower Upper

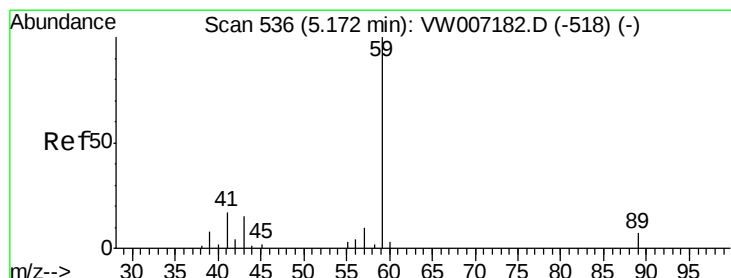
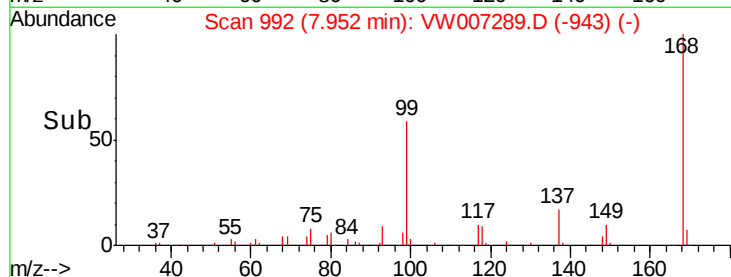
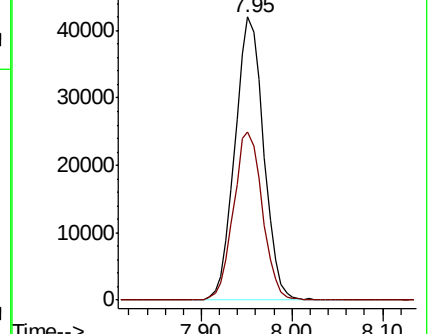
168 100

99 59.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW007289.D

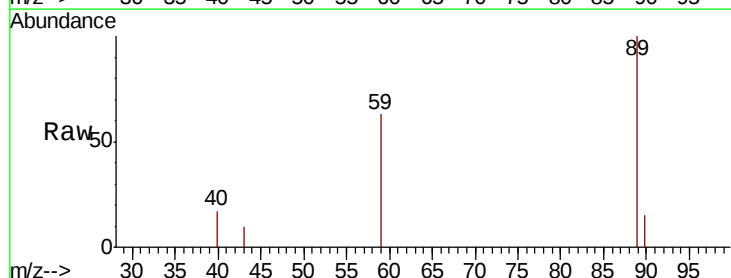
Acq: 06 Dec 2018 20:00

Tgt Ion: 59 Resp: 748

Ion Ratio Lower Upper

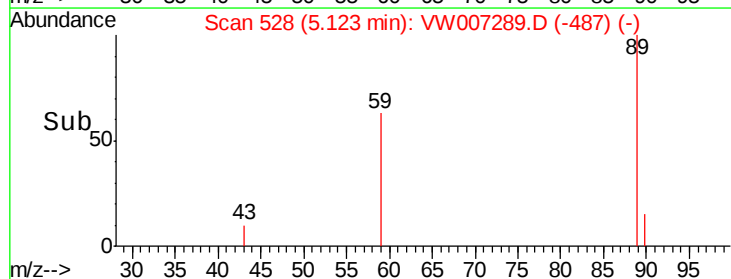
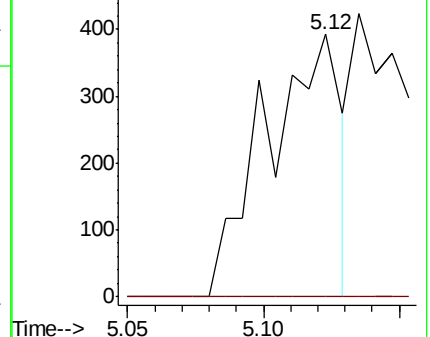
59 100

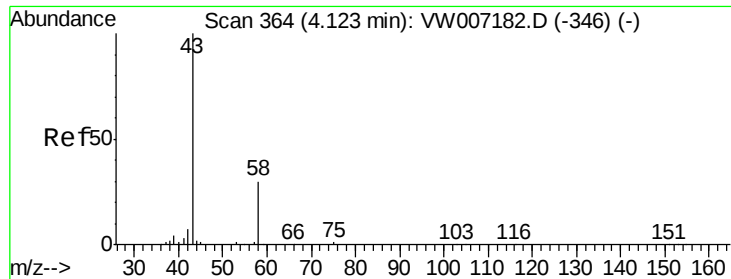
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 30.210 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

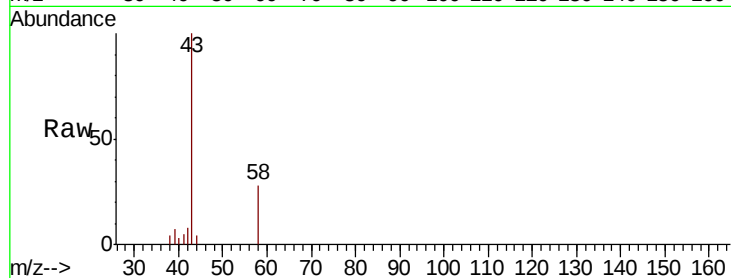
ClientSampleId :

Tot Ion: 43 Resp: 6150

Ion Ratio Lower Upper

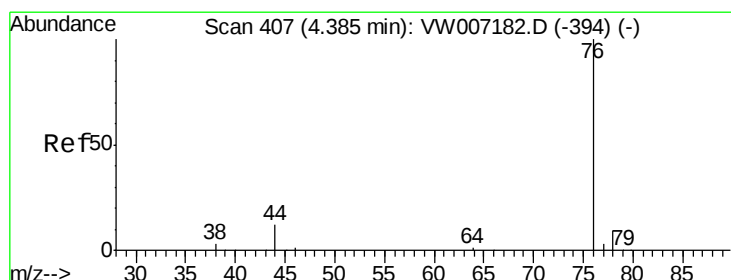
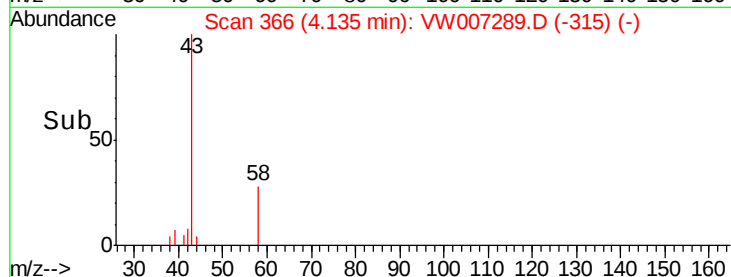
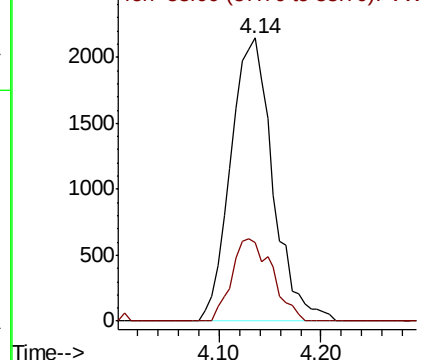
43 100

58 27.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 3.069 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007289.D

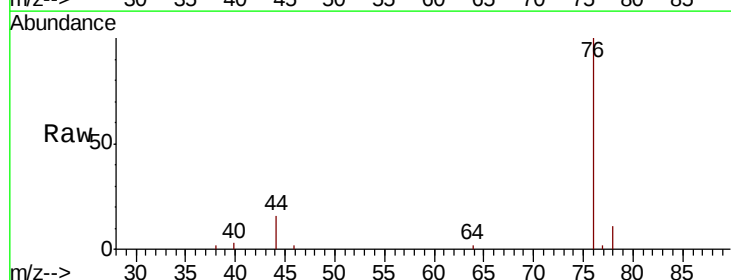
Acq: 06 Dec 2018 20:00

Tgt Ion: 76 Resp: 8946

Ion Ratio Lower Upper

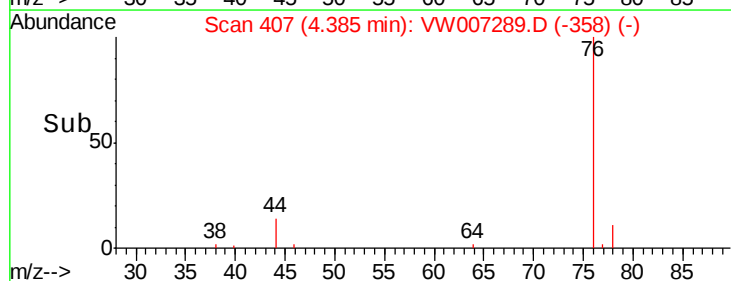
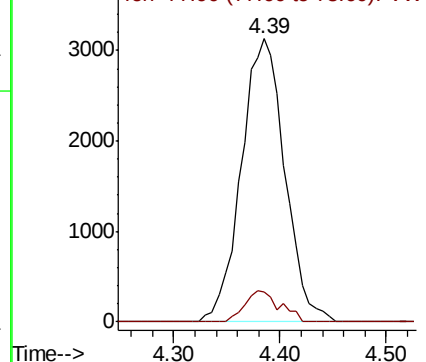
76 100

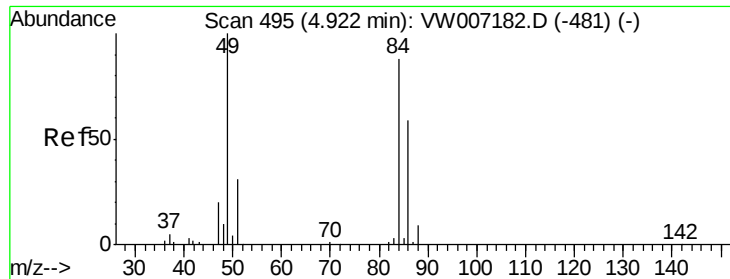
78 10.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

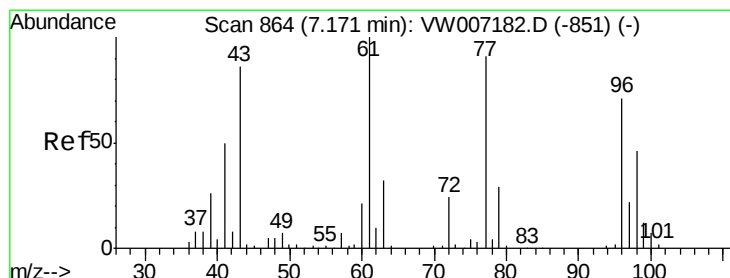
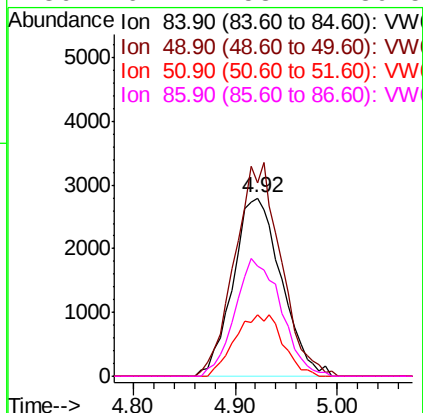
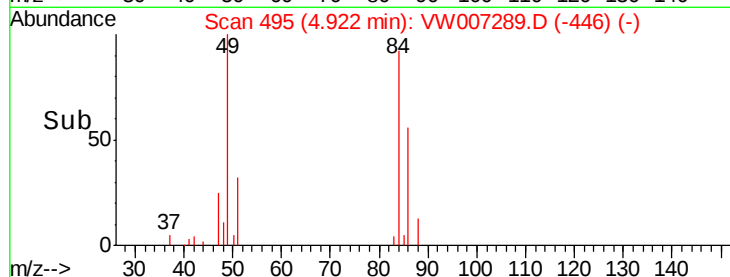
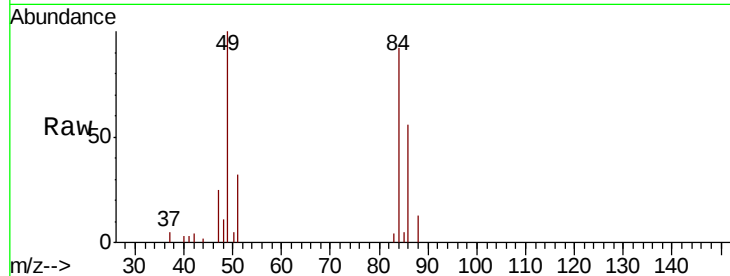




#20
Methvlene Chloride
Concen: 4.183 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

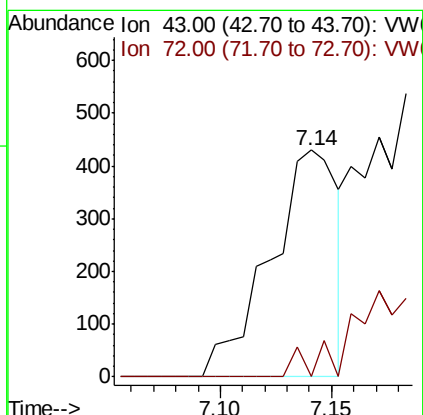
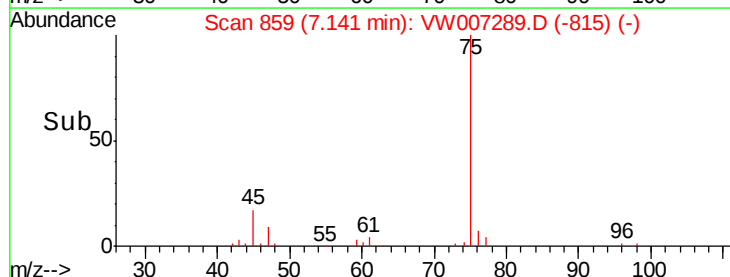
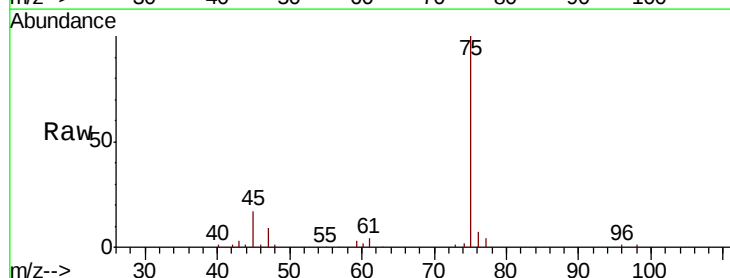
Instrument :
MSVOA_W
ClientSampled :

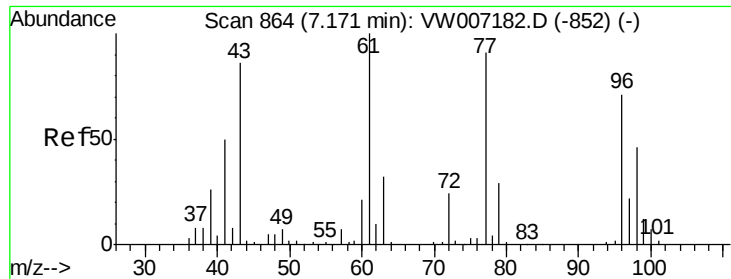
Tot Ion: 84 Resp: 9188
Ion Ratio Lower Upper
84 100
49 108.6 90.6 135.8
51 34.4 27.6 41.4
86 61.4 53.7 80.5



#25
2-Butanone
Concen: 3.839 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



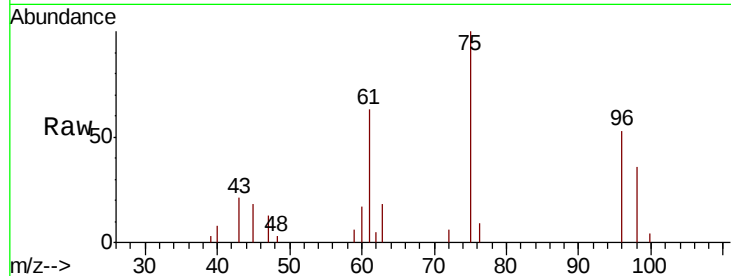


#27

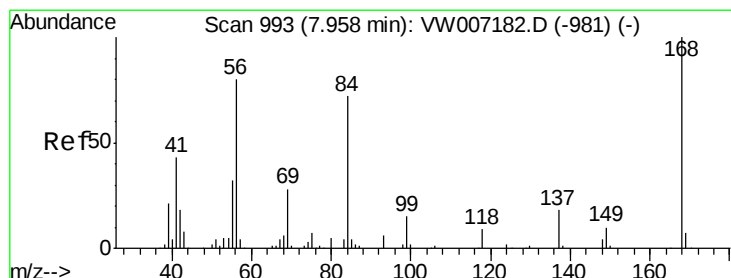
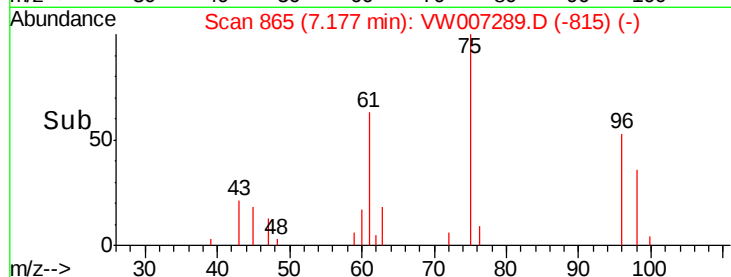
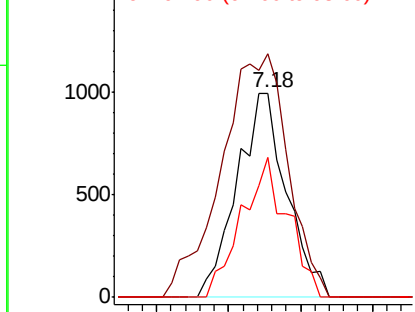
cis-1,2-Dichloroethene
Concen: 2.260 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 2392
Ion Ratio Lower Upper
96 100
61 159.5 0.0 282.4
98 63.1 0.0 129.8



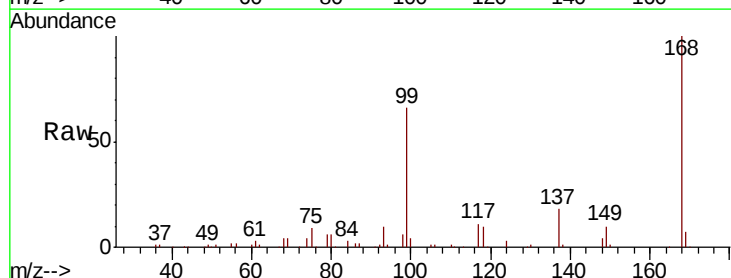
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



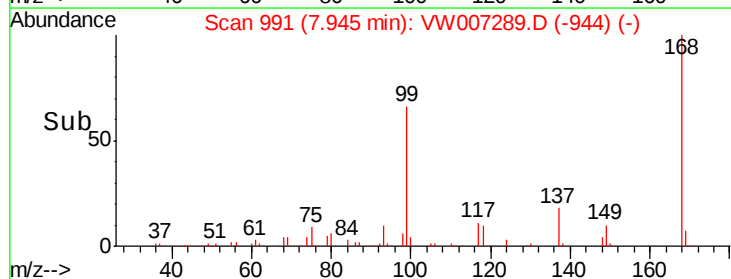
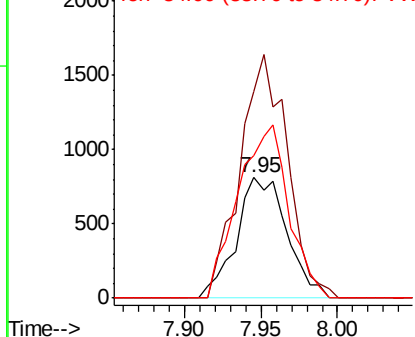
#31

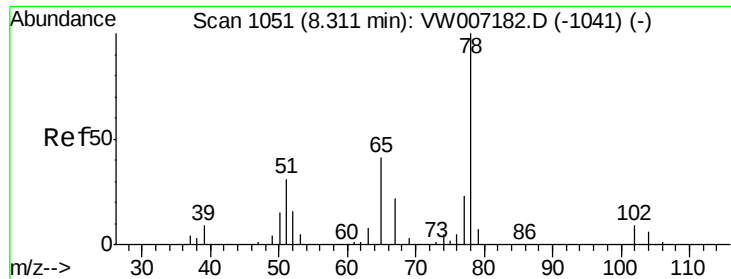
Cyclohexane
Concen: 1.091 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

Tgt Ion: 56 Resp: 1861
Ion Ratio Lower Upper
56 100
69 170.9 28.2 42.2#
84 117.9 72.1 108.1#



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

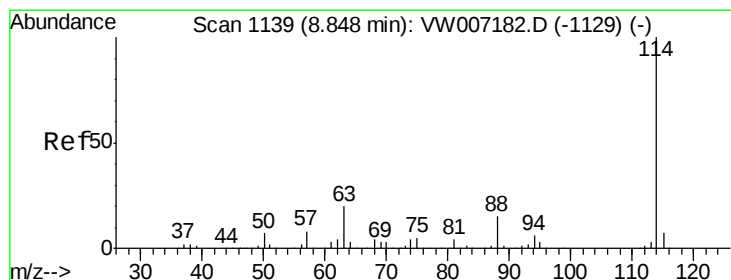
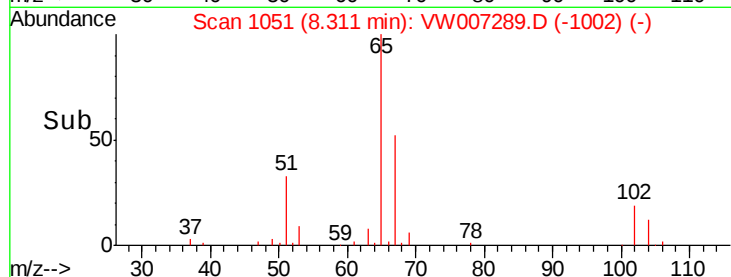
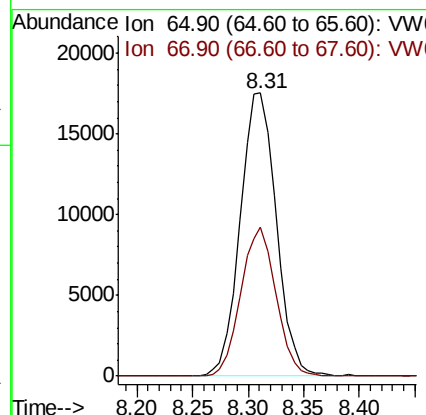
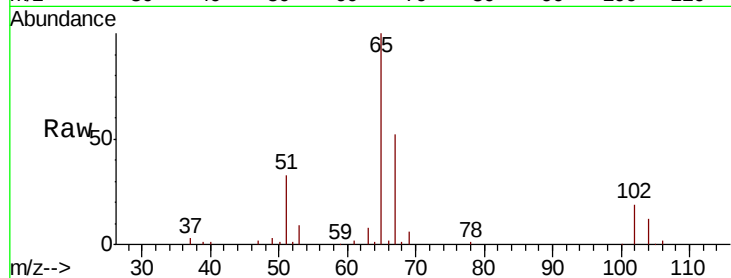




#33
 1,2-Dichloroethane-d4
 Concen: 45.894 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

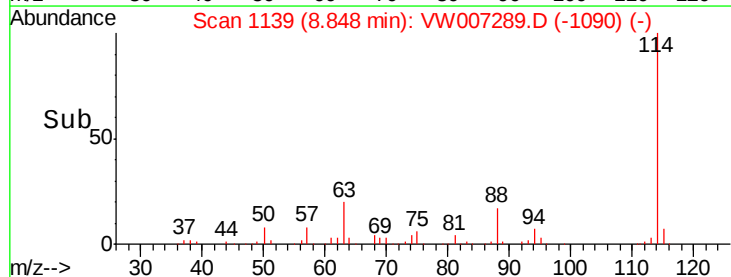
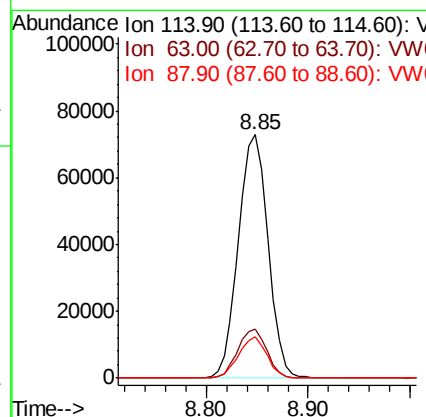
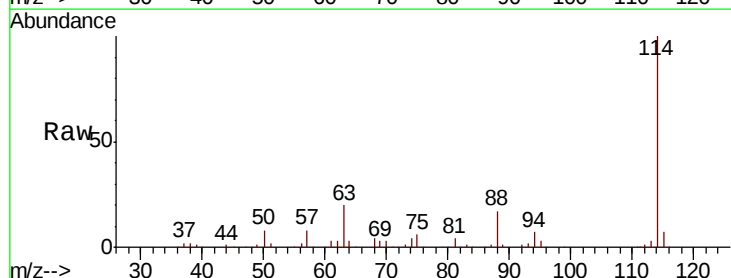
Instrument :
 MSVOA_W
 ClientSampleId :

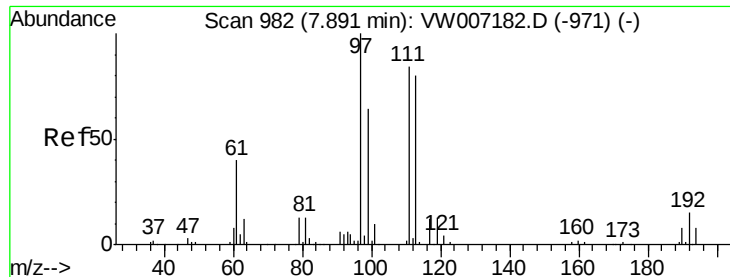
Tot Ion: 65 Resp: 39466
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

Tgt Ion: 114 Resp: 146963
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 17.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 40.899 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :

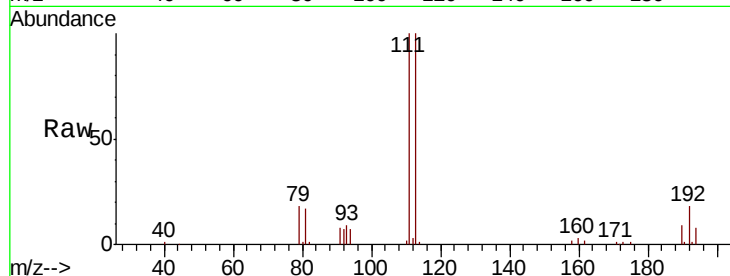
Tot Ion:113 Resp: 34417

Ion Ratio Lower Upper

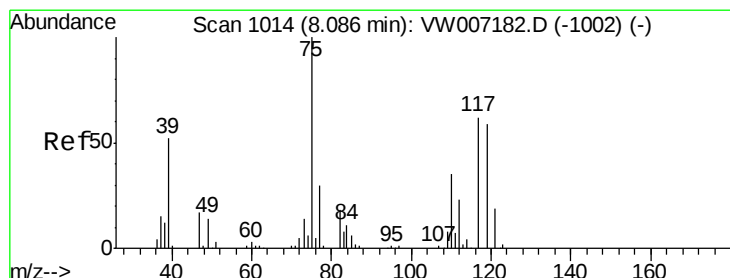
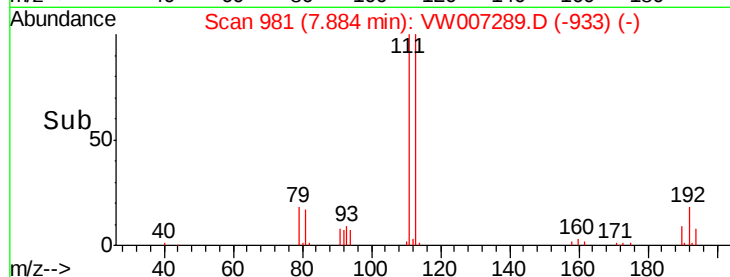
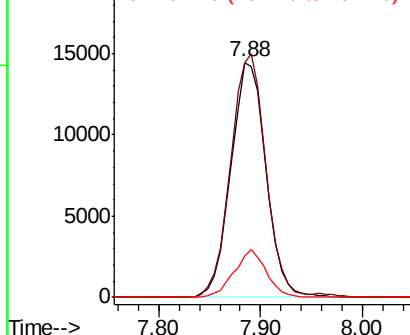
113 100

111 103.3 82.2 123.4

192 18.4 14.4 21.6



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: 4.887 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

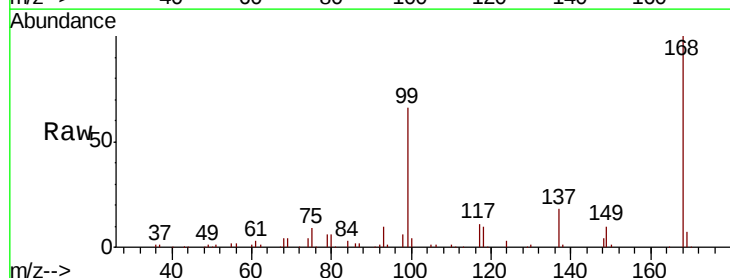
Tgt Ion: 75 Resp: 6988

Ion Ratio Lower Upper

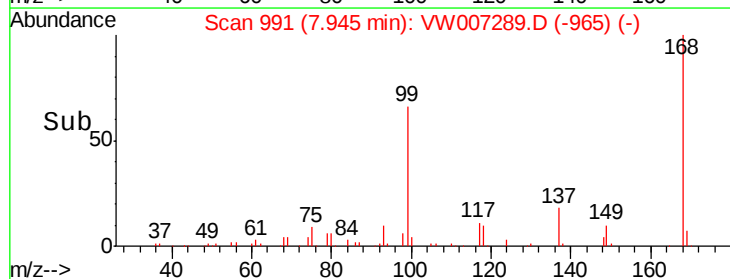
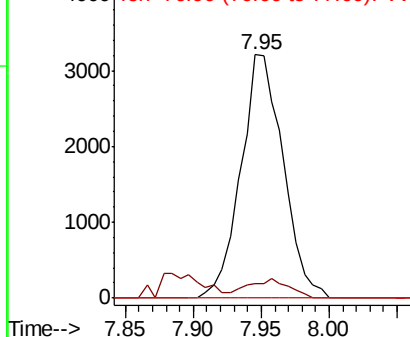
75 100

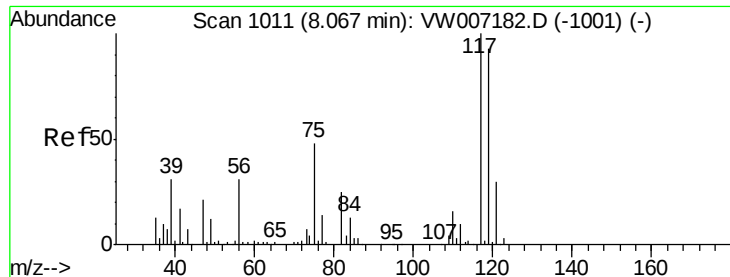
110 7.6 18.3 54.9#

77 0.0 24.9 37.3#



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: 6.489 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

ClientSampled :

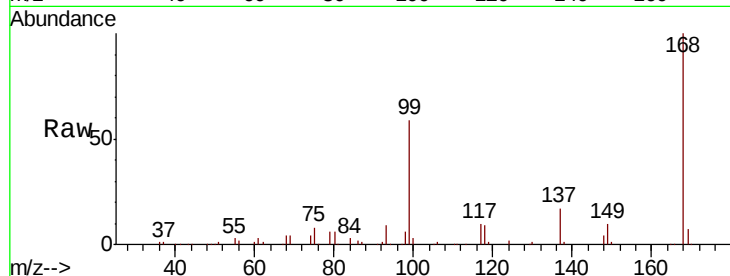
Tot Ion:117 Resp: 9471

Ion Ratio Lower Upper

117 100

119 5.3 74.1 111.1#

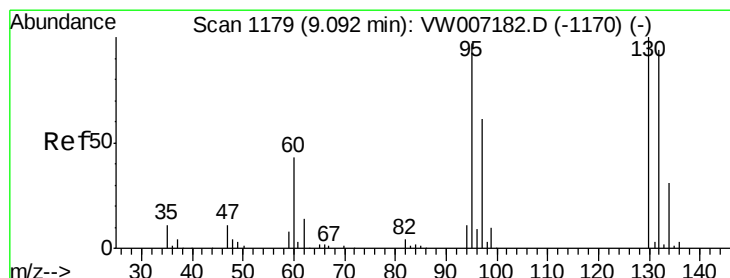
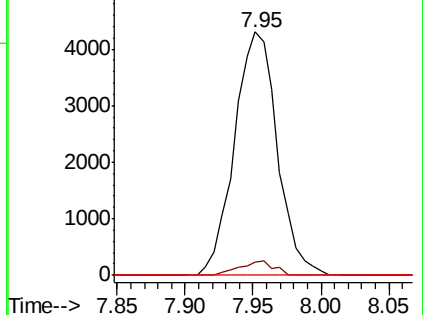
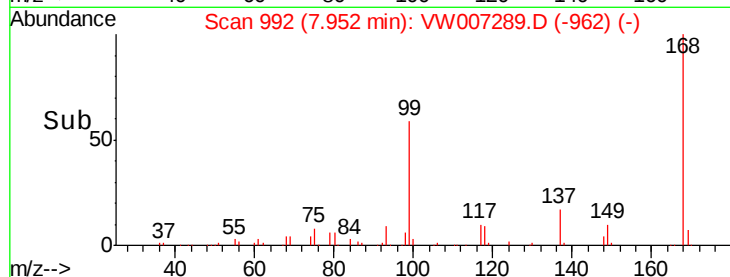
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 66.976 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007289.D

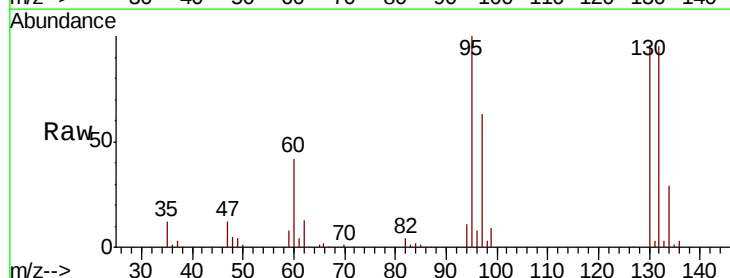
Acq: 06 Dec 2018 20:00

Tgt Ion:130 Resp: 73822

Ion Ratio Lower Upper

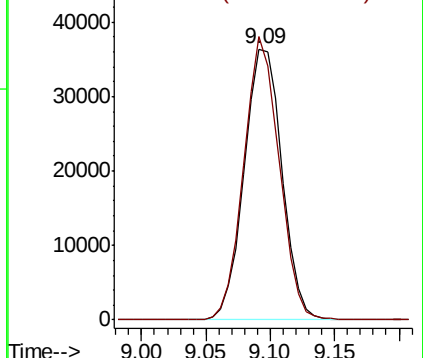
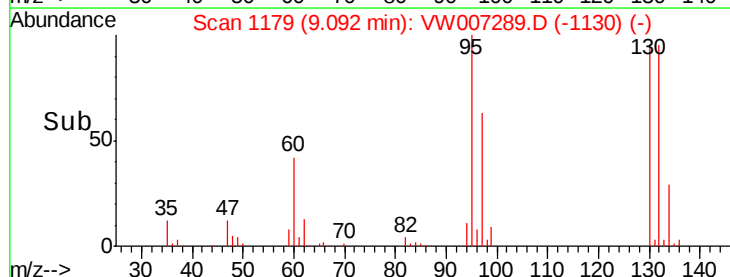
130 100

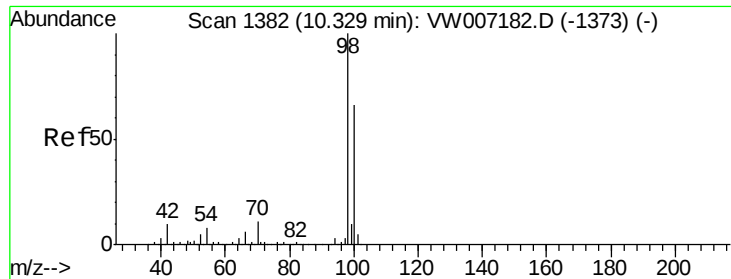
95 104.6 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV

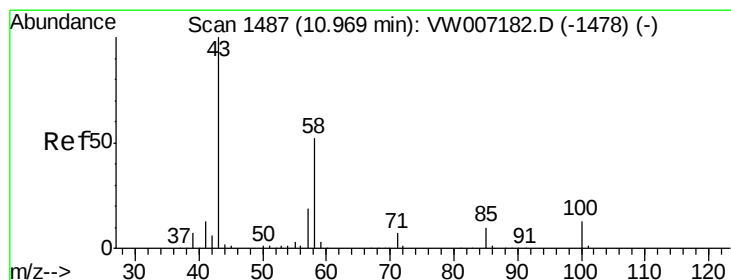
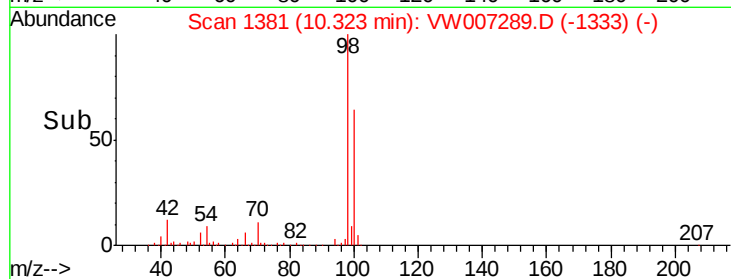
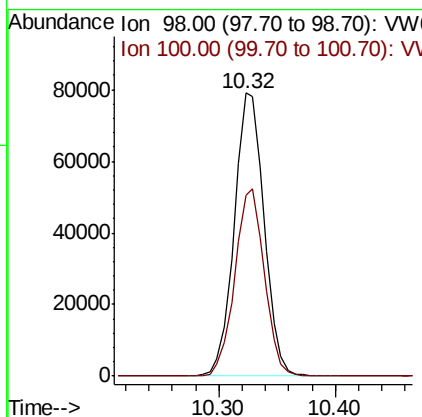
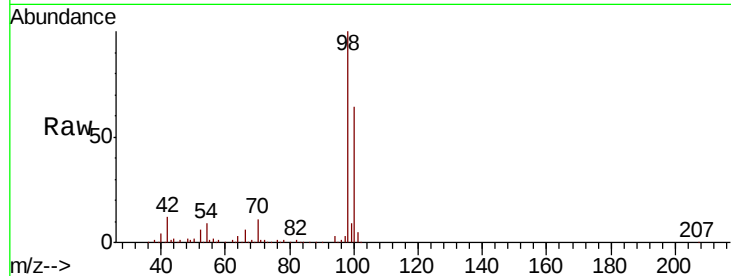




#50
Toluene-d8
Concen: 38.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

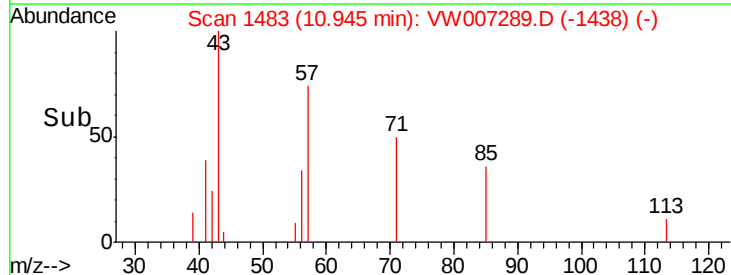
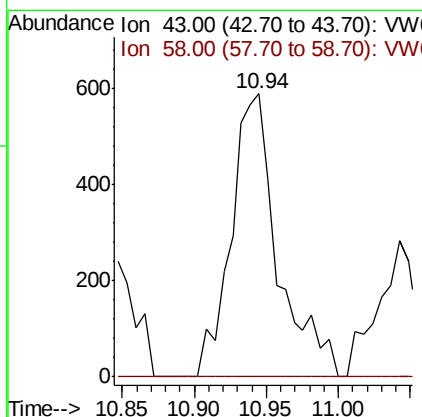
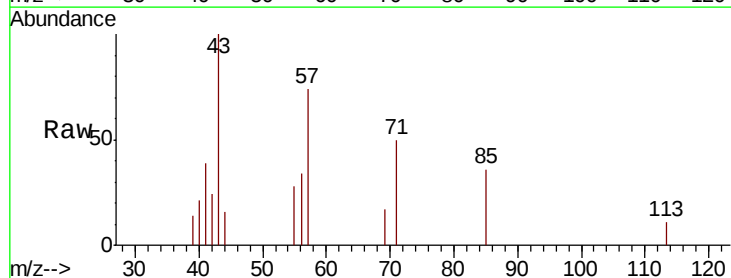
Instrument :
MSVOA_W
ClientSampled :

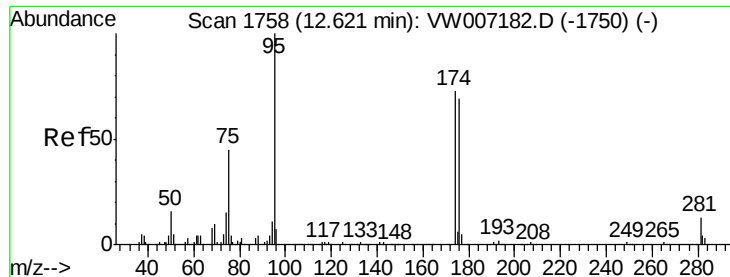
Tot Ion: 98 Resp: 141424
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#59
2-Hexanone
Concen: 3.692 ug/l
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

Tgt Ion: 43 Resp: 1325
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.4#





#62

4-Bromofluorobenzene

Concen: 40.687 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

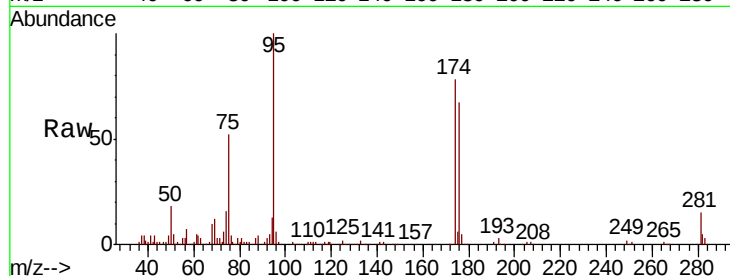
Tot Ion: 95 Resp: 56926

Ion Ratio Lower Upper

95 100

174 76.9 0.0 148.0

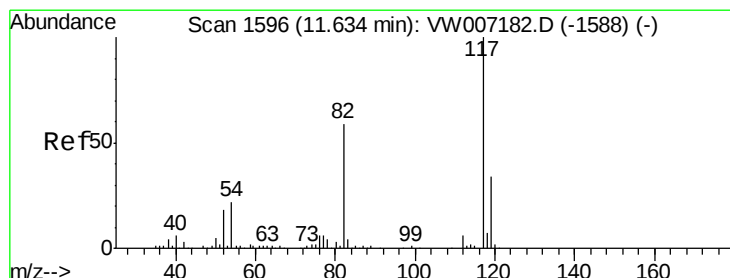
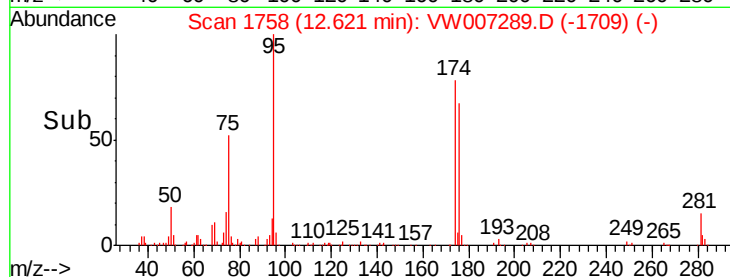
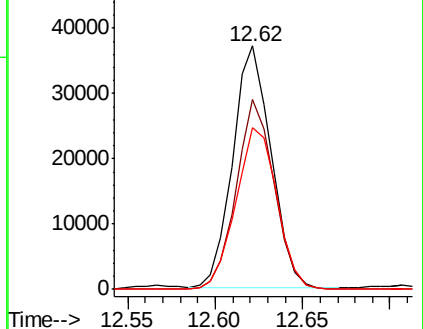
176 71.2 0.0 139.4



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: VW007289.D

Acq: 06 Dec 2018 20:00

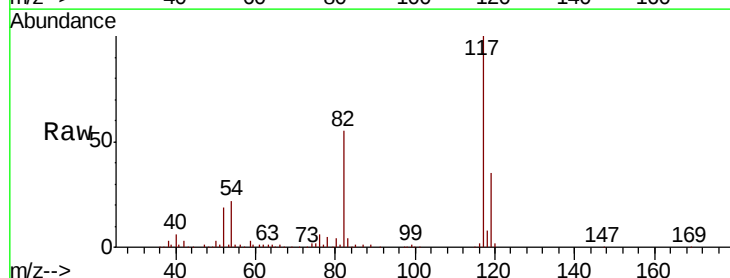
Tgt Ion: 117 Resp: 135493

Ion Ratio Lower Upper

117 100

82 54.4 47.4 71.2

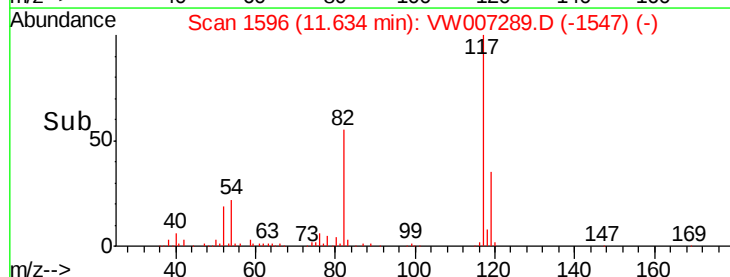
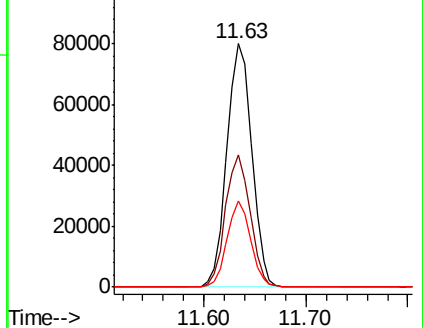
119 35.2 26.8 40.2

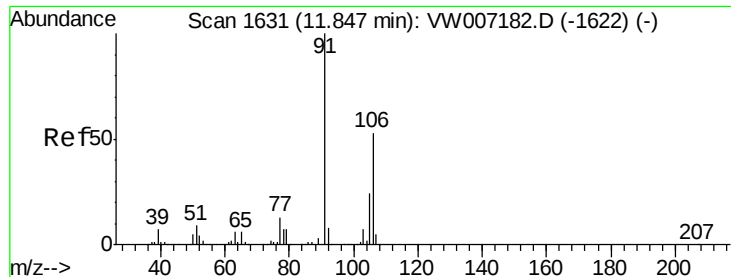


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#68

m/p-Xvlenes

Concen: 1.012 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

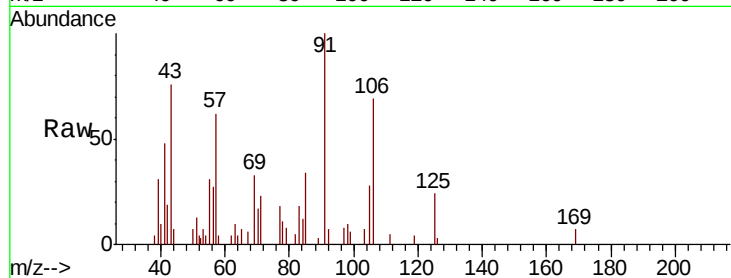
ClientSampleId :

Tot Ion:106 Resp: 2189

Ion Ratio Lower Upper

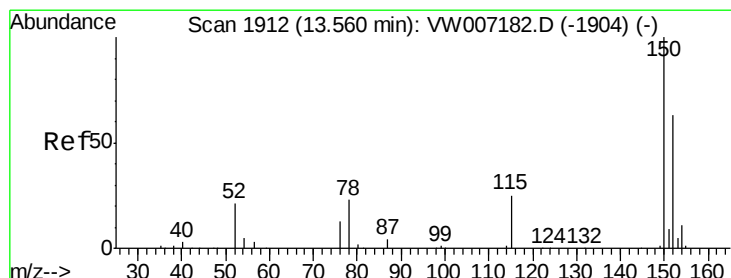
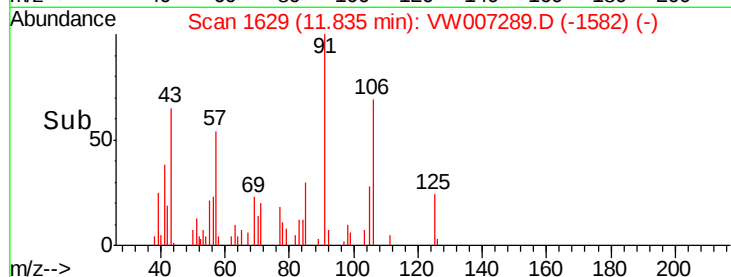
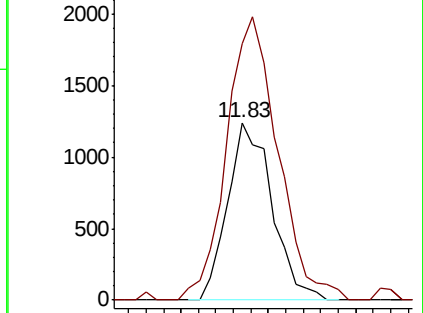
106 100

91 184.3 160.2 240.4



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: VW007289.D

Acq: 06 Dec 2018 20:00

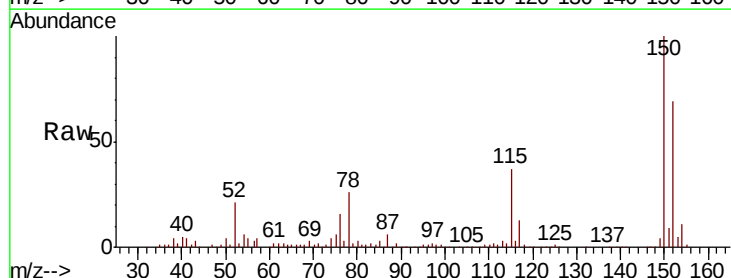
Tgt Ion:152 Resp: 67694

Ion Ratio Lower Upper

152 100

115 58.4 31.3 93.8

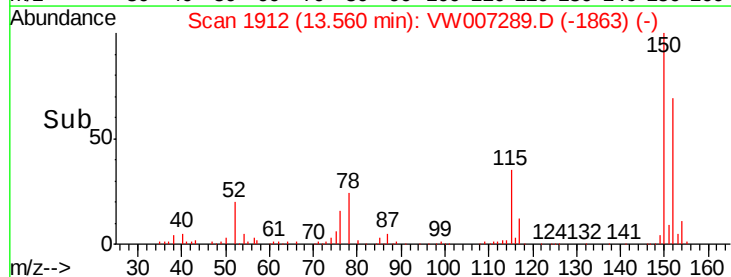
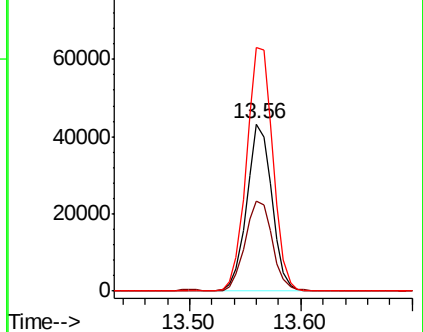
150 153.1 0.0 358.0

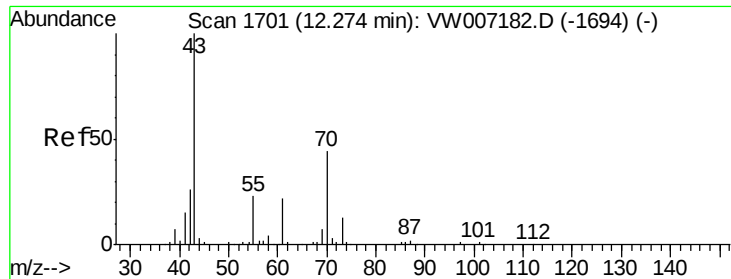


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 8.384 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 8184

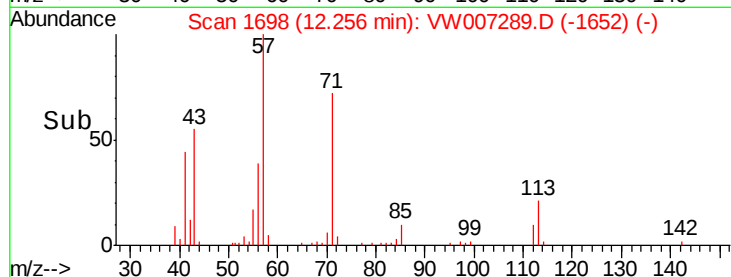
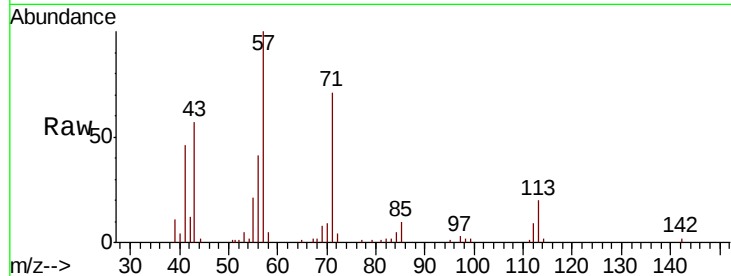
Ion Ratio Lower Upper

43 100

70 18.5 34.0 51.0#

55 33.0 19.0 28.6#

61 0.0 19.7 29.5#

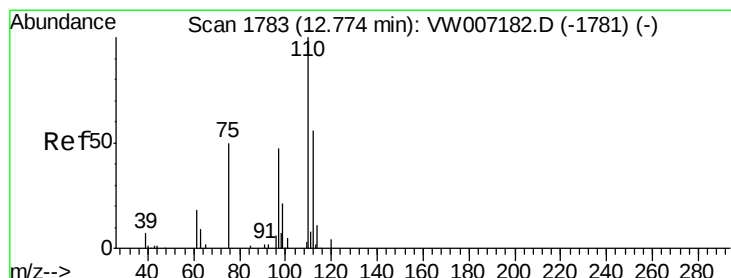
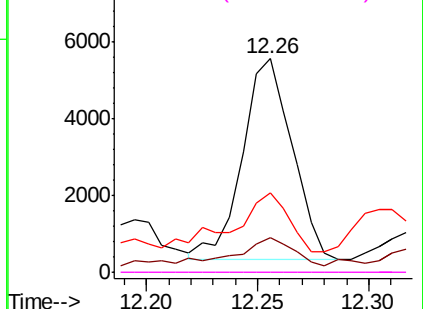


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 56.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007289.D

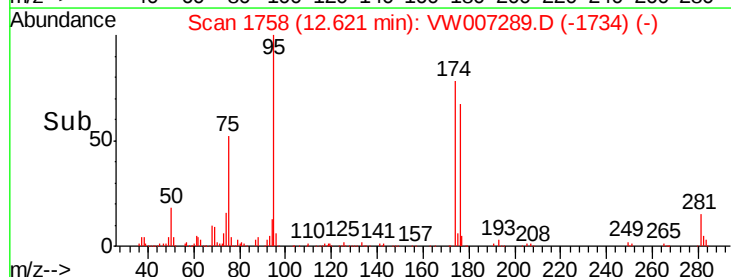
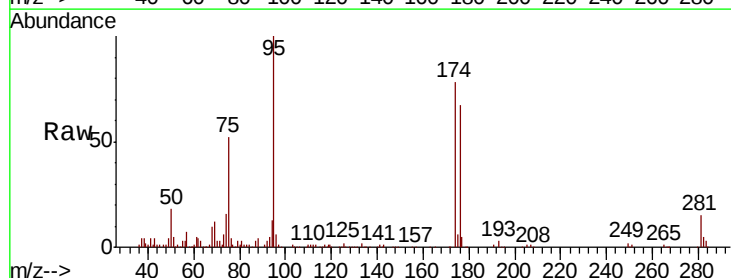
Acq: 06 Dec 2018 20:00

Tgt Ion: 75 Resp: 29504

Ion Ratio Lower Upper

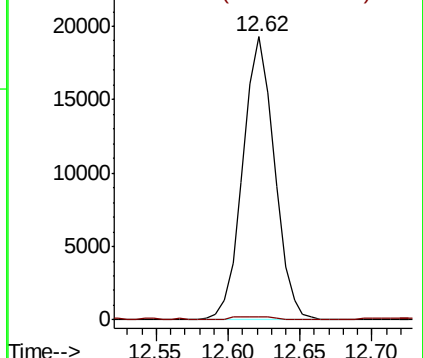
75 100

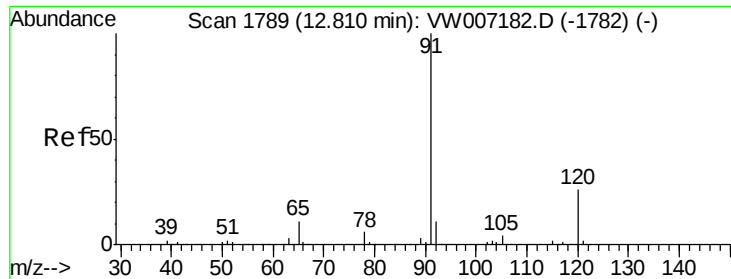
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

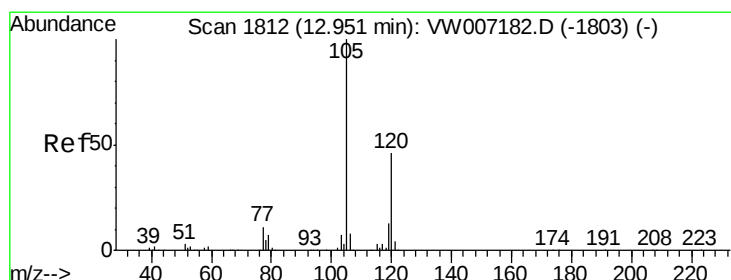
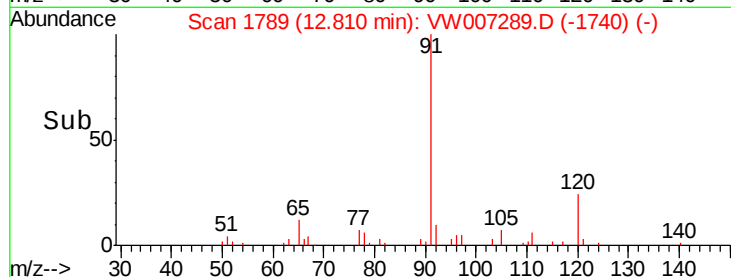
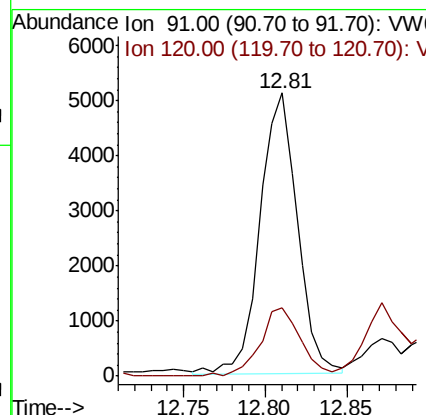
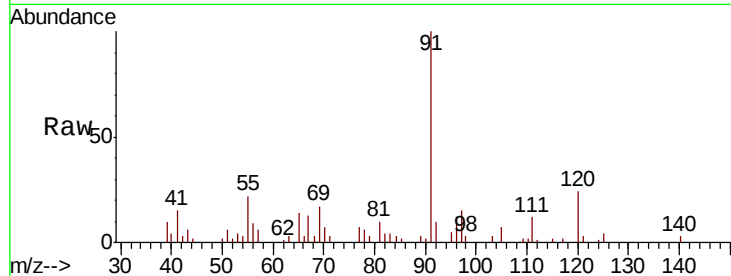




#78
 n-propylbenzene
 Concen: 1.240 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

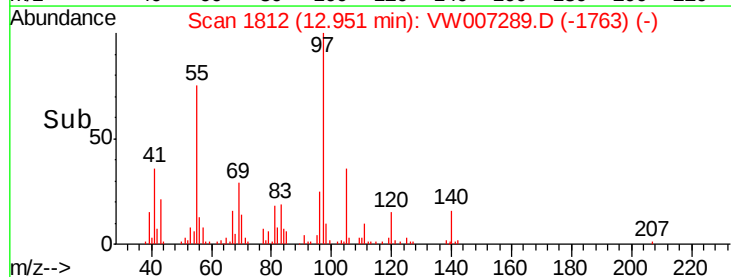
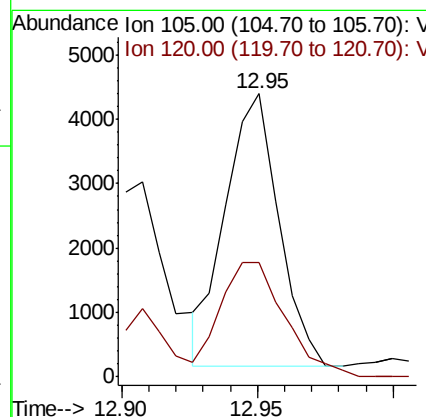
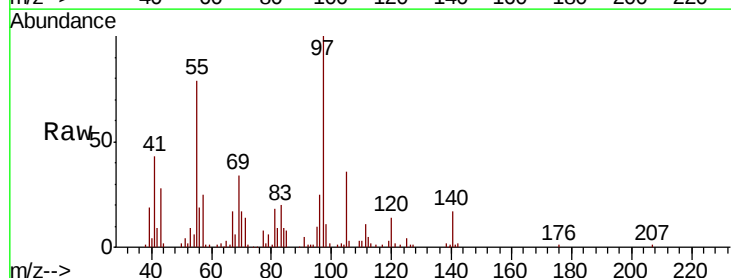
Instrument :
 MSVOA_W
 ClientSampled :

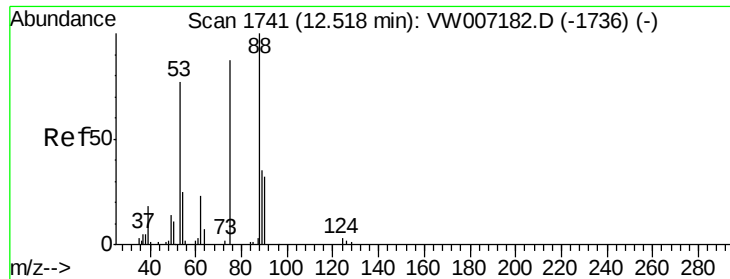
Tot Ion: 91 Resp: 8134
 Ion Ratio Lower Upper
 91 100
 120 26.2 12.5 37.5



#80
 1,3,5-Trimethylbenzene
 Concen: 1.225 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

Tgt Ion: 105 Resp: 5772
 Ion Ratio Lower Upper
 105 100
 120 50.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 121.321 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007289.D

Acq: 06 Dec 2018 20:00

Instrument :

MSVOA_W

ClientSampled :

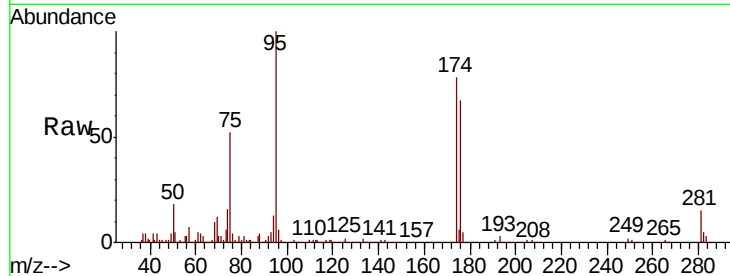
Tot Ion: 75 Resp: 29504

Ion Ratio Lower Upper

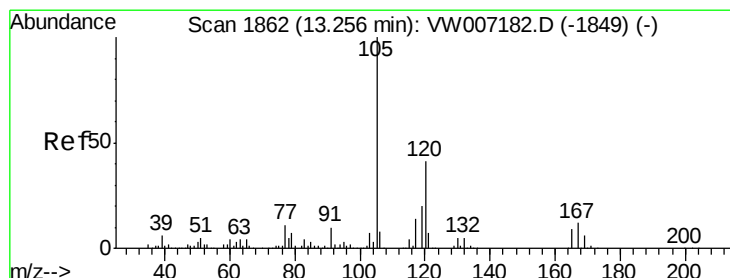
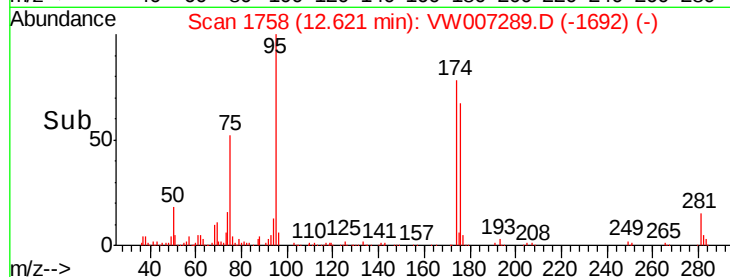
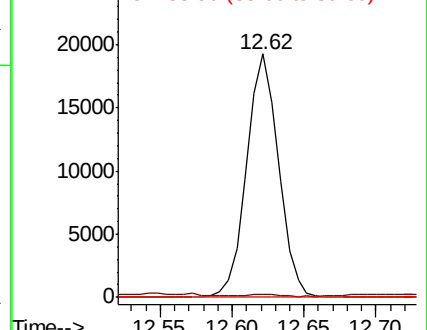
75 100

53 1.0 72.8 109.2#

89 0.1 36.4 54.6#



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: 10.392 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007289.D

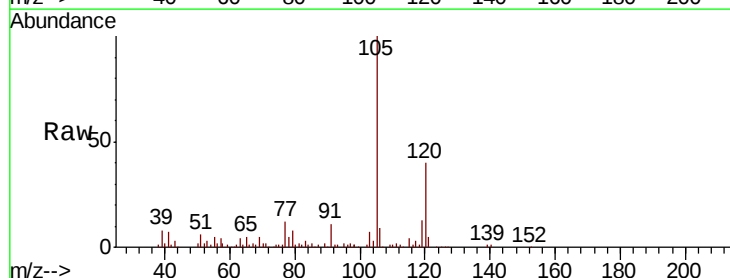
Acq: 06 Dec 2018 20:00

Tgt Ion: 105 Resp: 49965

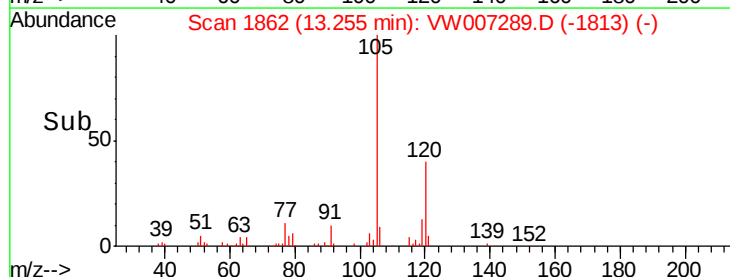
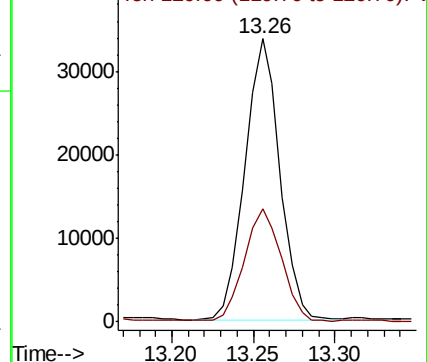
Ion Ratio Lower Upper

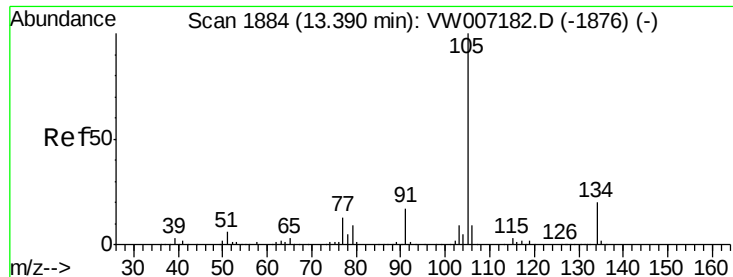
105 100

120 42.2 21.1 63.3



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

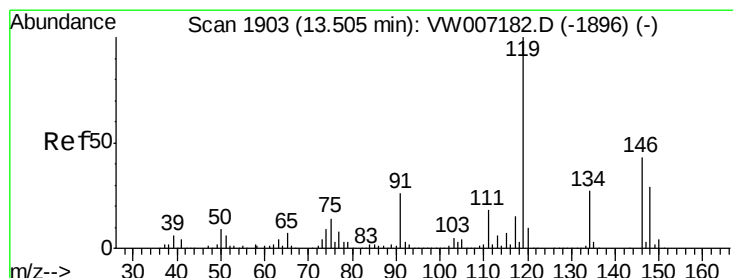
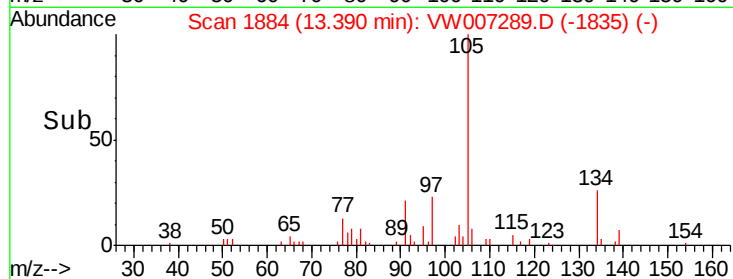
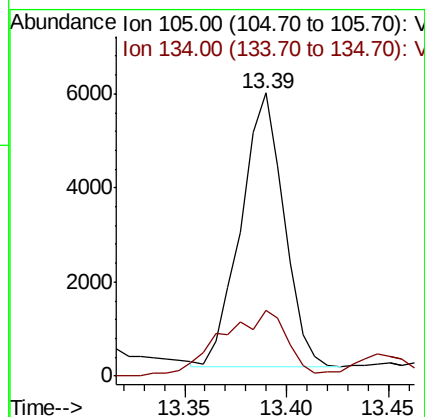
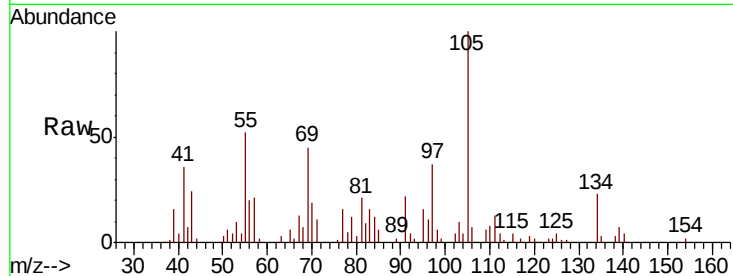




#85
 sec-Butylbenzene
 Concen: 1.459 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

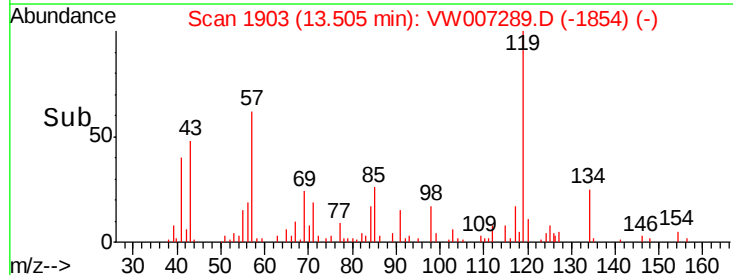
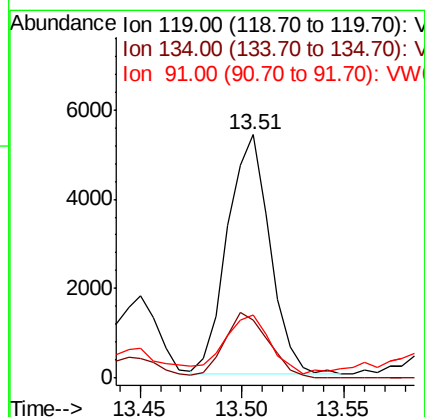
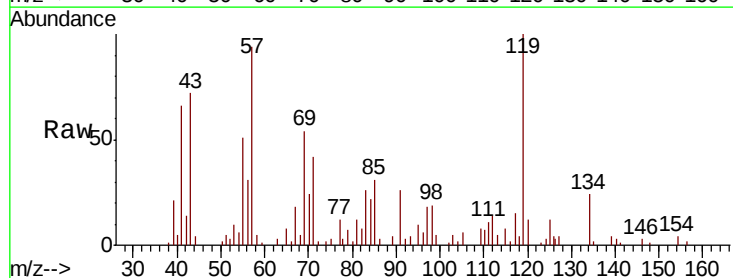
Instrument :
 MSVOA_W
 ClientSampleId :

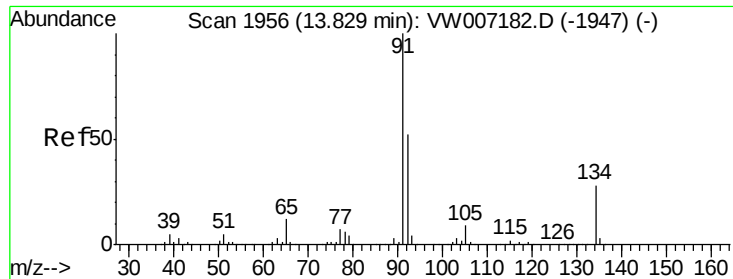
Tot Ion:105 Resp: 8572
 Ion Ratio Lower Upper
 105 100
 134 37.4 10.3 30.8#



#86
 p-Isopropyltoluene
 Concen: 1.471 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

Tgt Ion:119 Resp: 7695
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.2 39.6
 91 26.5 12.4 37.2

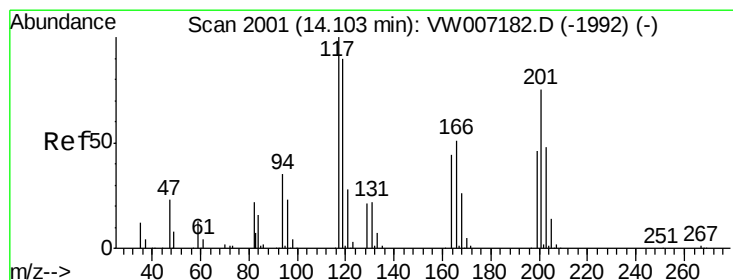
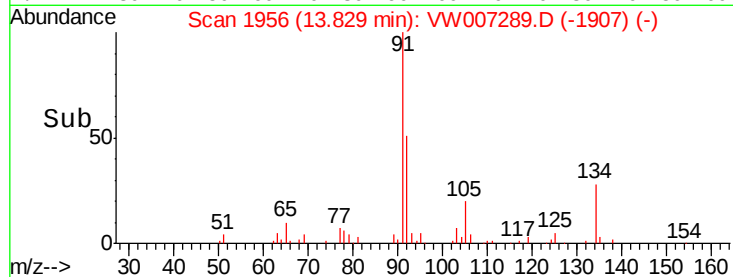
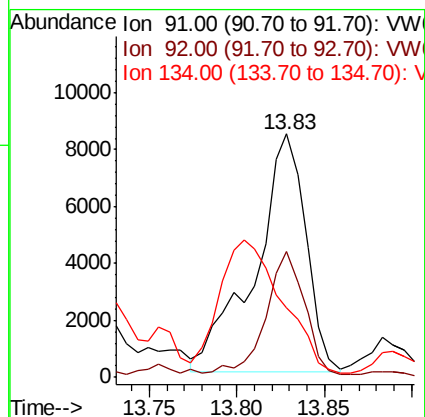
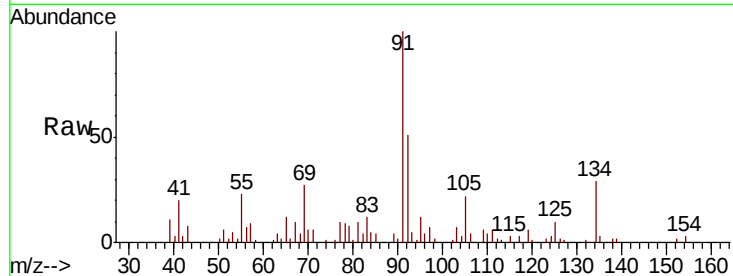




#89
n-Butylbenzene
Concen: 3.467 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

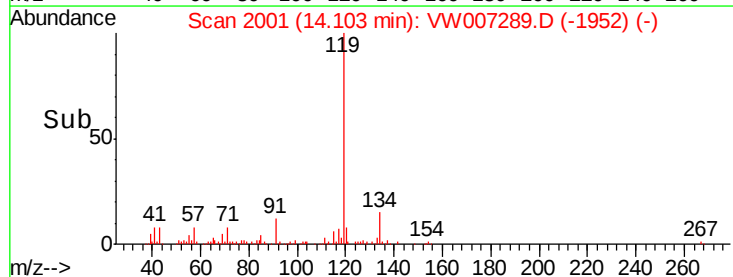
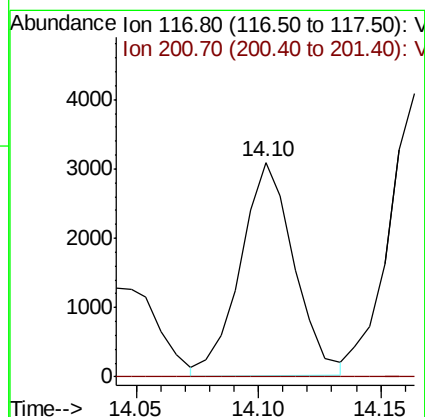
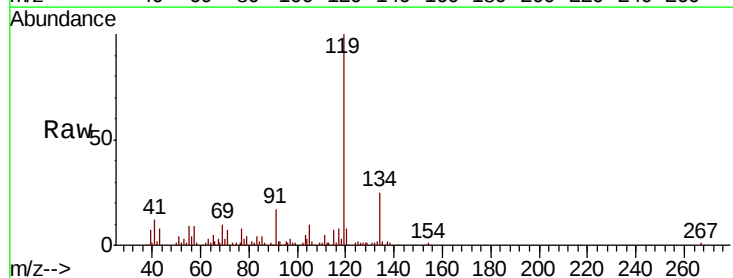
Instrument :
MSVOA_W
ClientSampled :

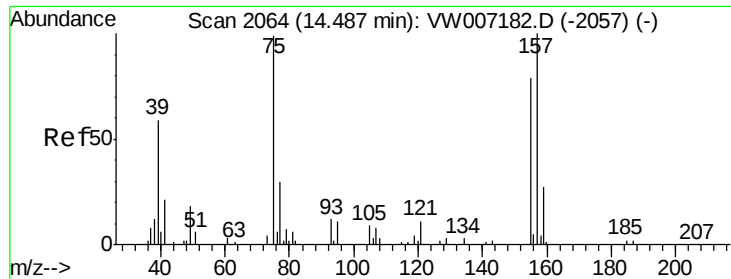
Tot Ion: 91 Resp: 16948
Ion Ratio Lower Upper
91 100
92 40.9 26.5 79.5
134 0.0 14.1 42.2#



#90
Hexachloroethane
Concen: 5.900 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW007289.D
Acq: 06 Dec 2018 20:00

Tgt Ion: 117 Resp: 4703
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#

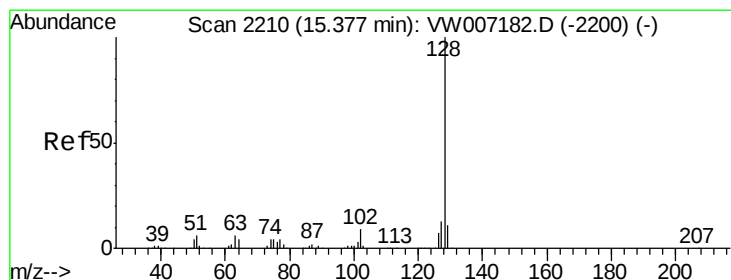
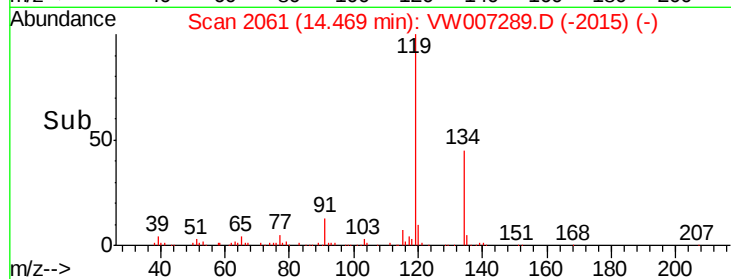
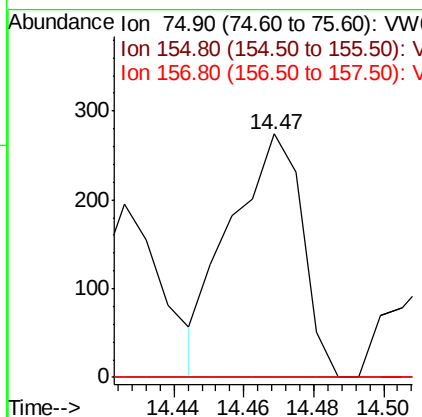
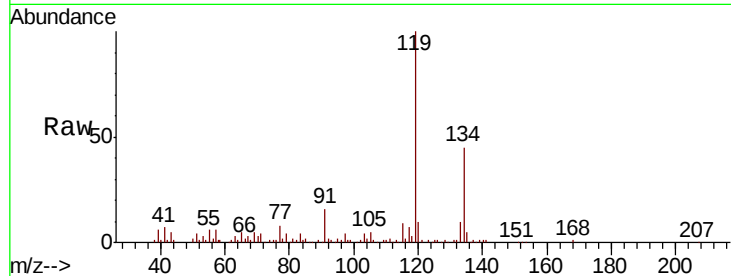




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.816 ug/l
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 390
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.4 127.2#
 157 0.0 55.3 165.9#



#95
 Naphthalene
 Concen: 6.719 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007289.D
 Acq: 06 Dec 2018 20:00

Tgt Ion: 128 Resp: 17625
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.3 15.5
 129 13.3 8.6 13.0#

