

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009160.D
 Acq On : 13 Mar 2019 17:23
 Operator : SY/VA
 Sample : K1870-09RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:22:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	416203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	180313	58.80	ug/l	0.00
Spiked Amount			Recovery	=	117.60%	
35) Dibromofluoromethane	7.88	113	150478	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.32	98	589359	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.62	95	187059	39.13	ug/l	0.00
Spiked Amount			Recovery	=	78.26%	

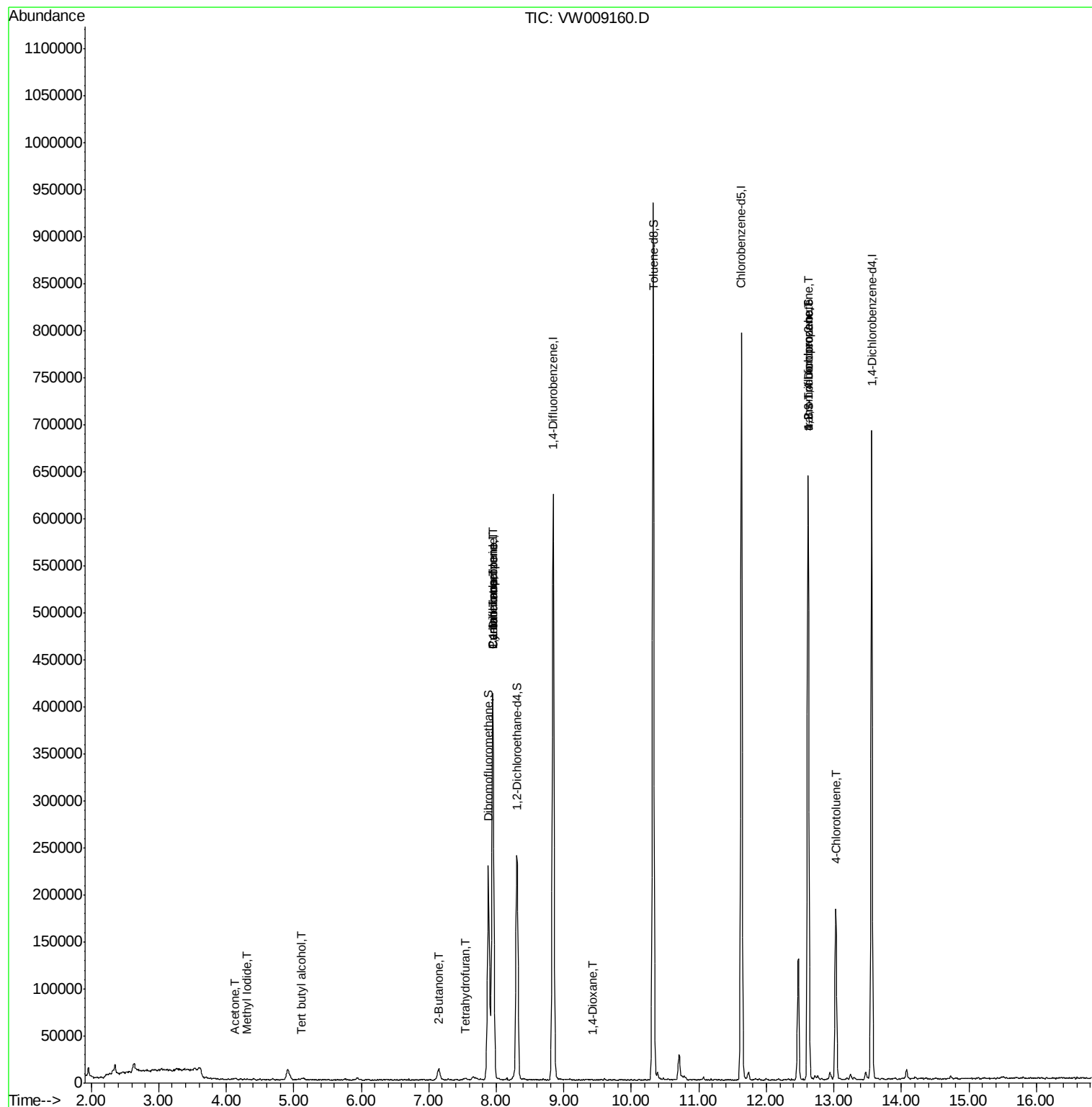
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.32	142	45	3.200	ug/l #	1
11) Tert butyl alcohol	5.11	59	362	1.541	ug/l #	41
16) Acetone	4.12	43	1754	2.535	ug/l #	53
20) Methylene Chloride	4.91	84	7980	Below Cal	#	94
25) 2-Butanone	7.16	43	1146	1.198	ug/l #	50
29) Tetrahydrofuran	7.54	42	1714	2.844	ug/l	94
31) Cyclohexane	7.95	56	7831	1.369	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	24033	4.681	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31827	6.002	ug/l #	18
49) 1,4-Dioxane	9.43	88	47	1.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	102306	76.429	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	102306	170.951	ug/l #	5
82) 4-Chlorotoluene	13.03	91	23128	2.584	ug/l #	41

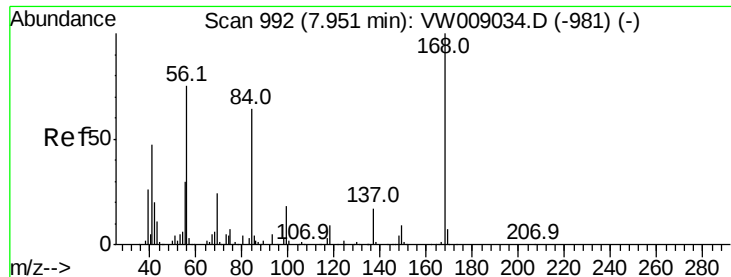
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
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QLast Update : Fri Mar 08 05:22:30 2019
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: VW009160.D

Acq: 13 Mar 2019 17:23

Instrument :

MSVOA_W

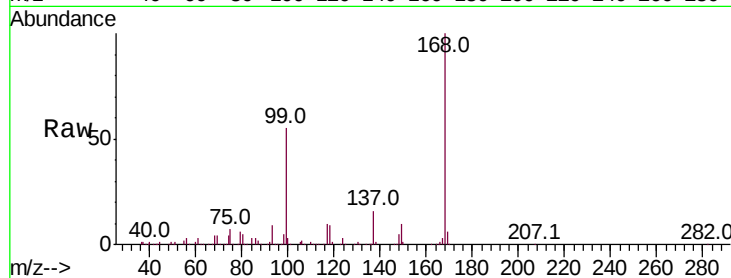
ClientSampleId :

Tot Ion:168 Resp: 304771

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

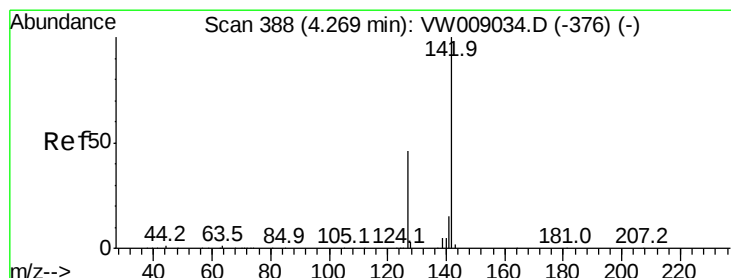
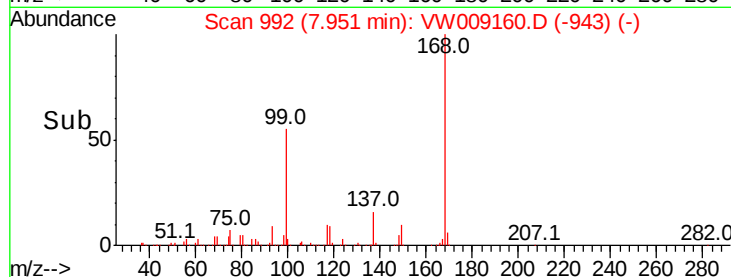
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.200 ug/l

RT: 4.32 min Scan# 396

Delta R.T. 0.05 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

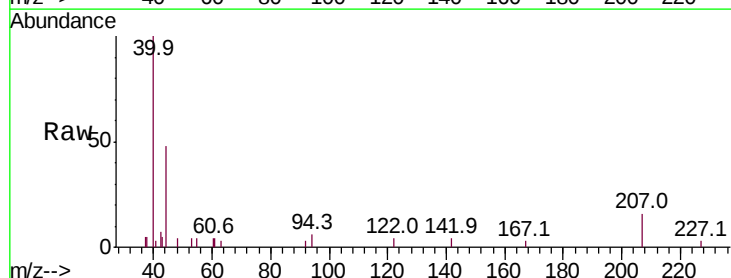
Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 111.1 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

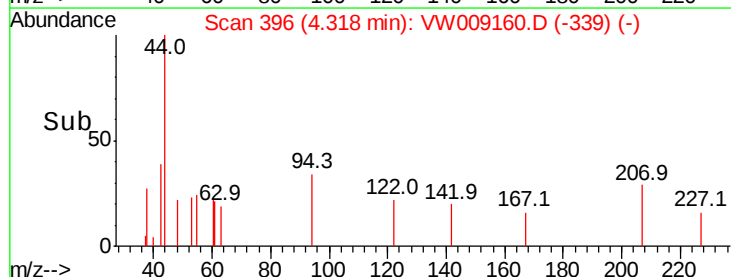
60

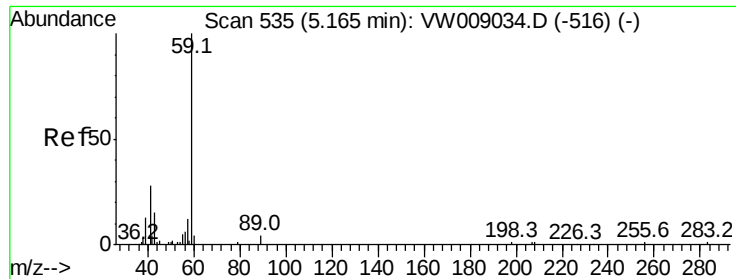
40

20

0

Time-->



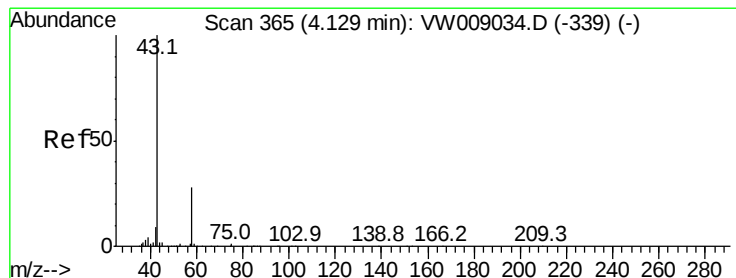
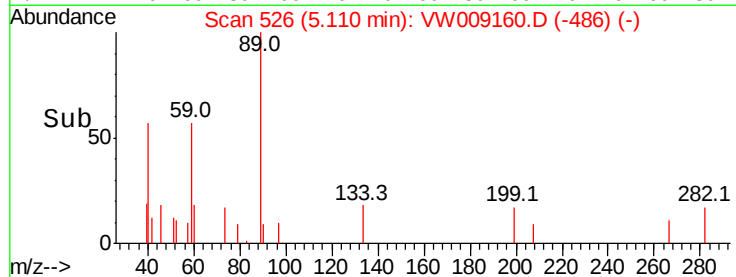
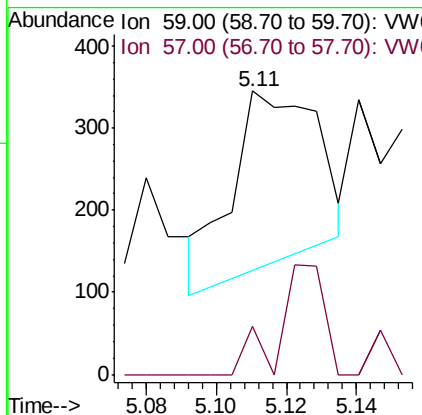
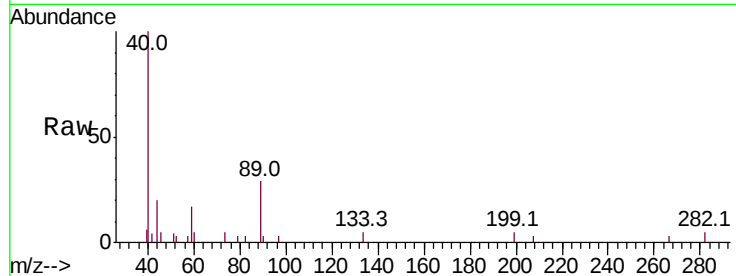


#11

Tert butyl alcohol
 Concen: 1.541 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

Instrument :
 MSVOA_W
 ClientSampleId :

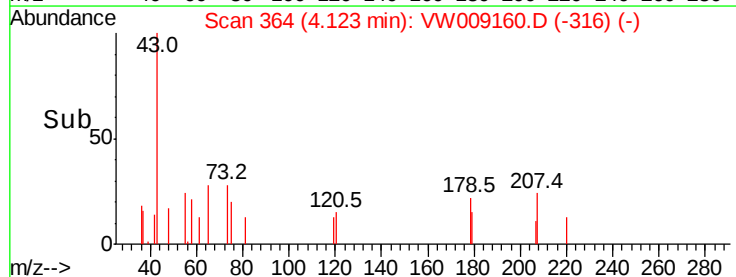
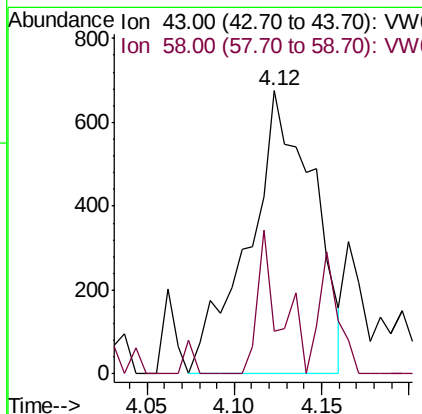
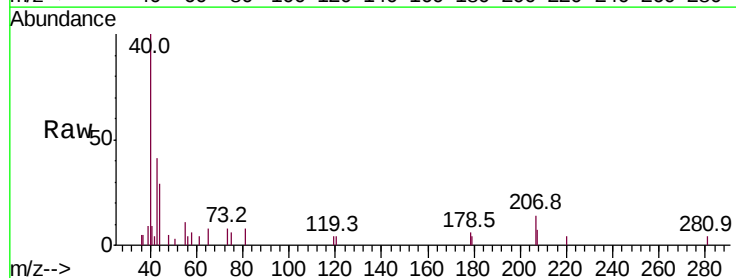
Tot Ion: 59 Resp: 362
 Ion Ratio Lower Upper
 59 100
 57 32.9 8.6 12.8#

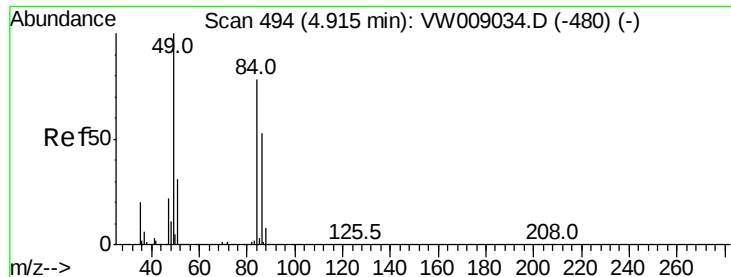


#16

Acetone
 Concen: 2.535 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

Tgt Ion: 43 Resp: 1754
 Ion Ratio Lower Upper
 43 100
 58 3.1 22.5 33.7#

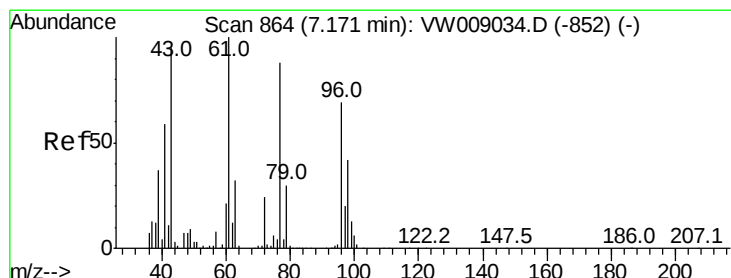
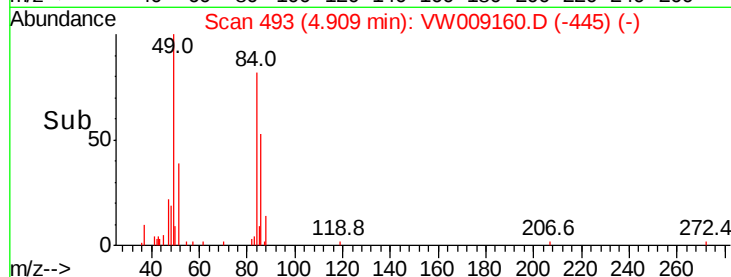
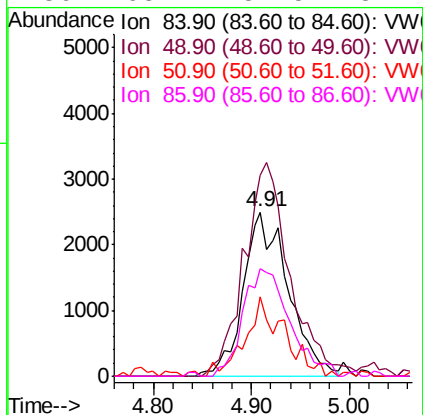
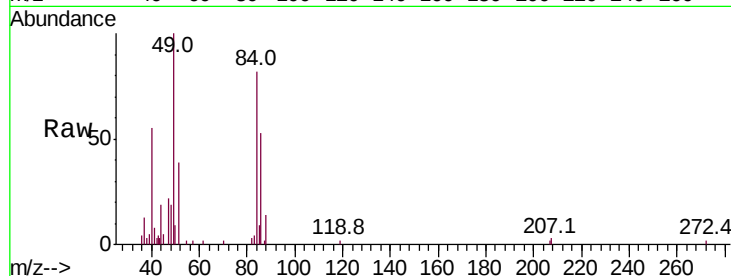




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009160.D
Acq: 13 Mar 2019 17:23

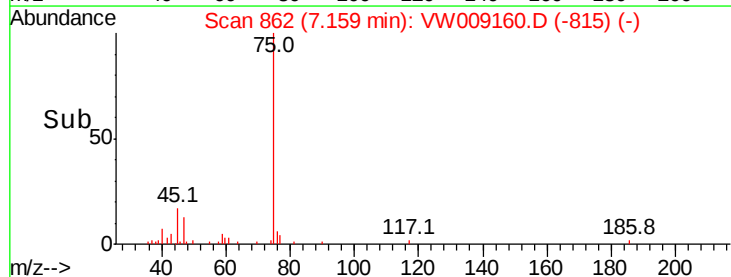
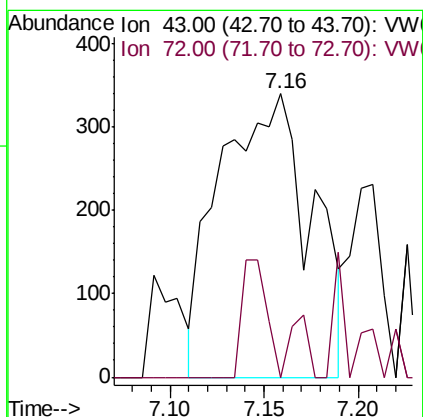
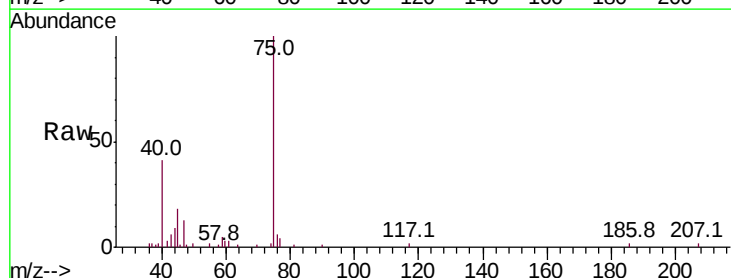
Instrument :
MSVOA_W
ClientSampleId :

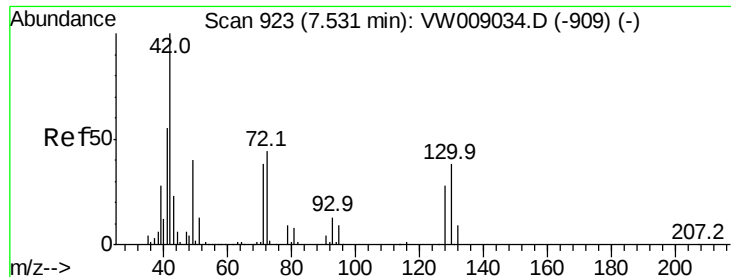
Tot Ion: 84 Resp: 7980
Ion Ratio Lower Upper
84 100
49 122.4 102.4 153.6
51 48.3 31.6 47.4#
86 65.4 54.5 81.7



#25
2-Butanone
Concen: 1.198 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009160.D
Acq: 13 Mar 2019 17:23

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#





#29

Tetrahydrofuran

Concen: 2.844 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

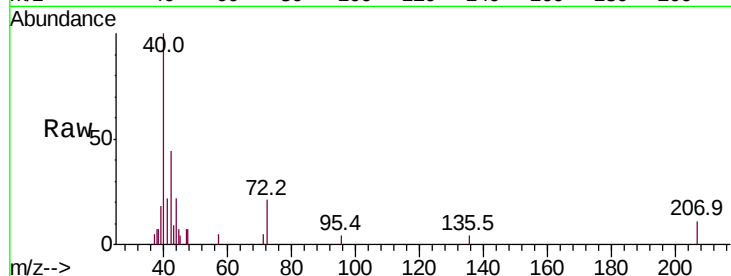
Tot Ion: 42 Resp: 1714

Ion Ratio Lower Upper

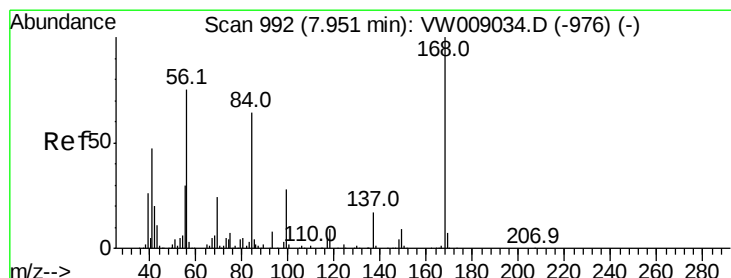
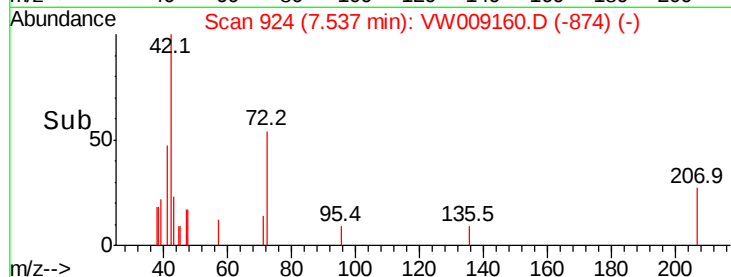
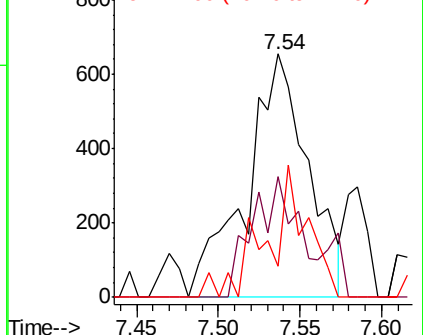
42 100

72 36.8 32.2 48.4

71 34.2 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

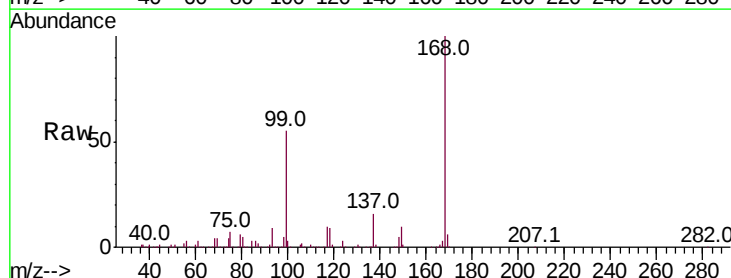
Tgt Ion: 56 Resp: 7831

Ion Ratio Lower Upper

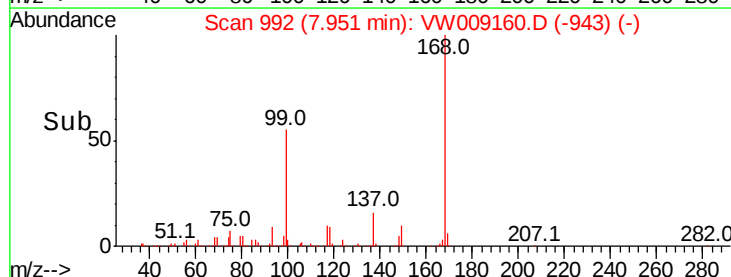
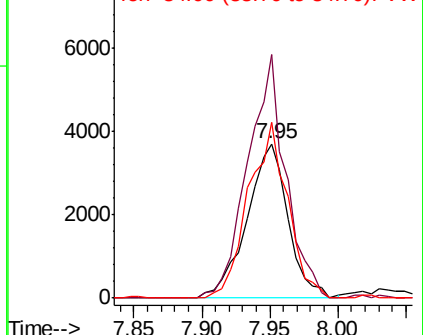
56 100

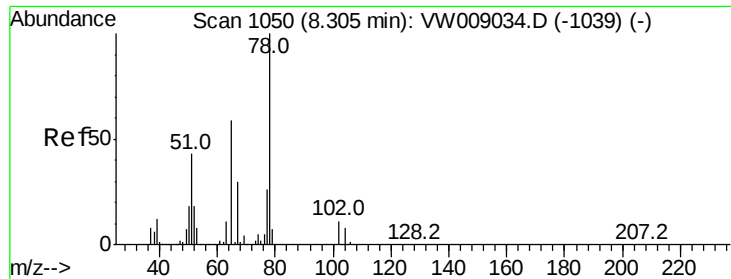
69 157.9 25.5 38.3#

84 114.4 68.6 103.0#



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

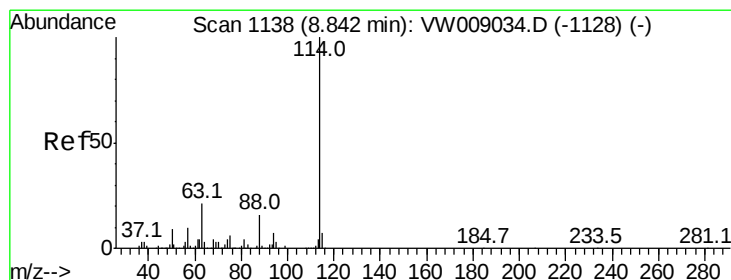
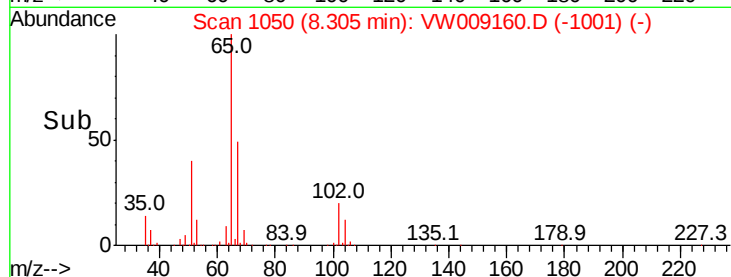
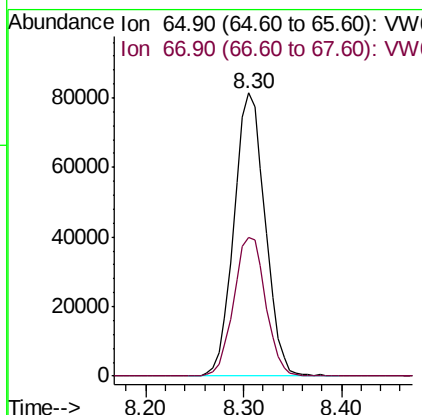
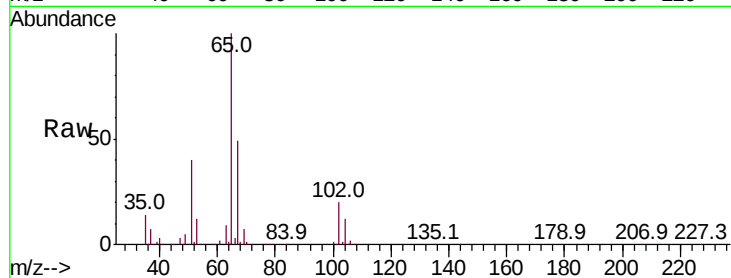




#33
 1,2-Dichloroethane-d4
 Concen: 58.805 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

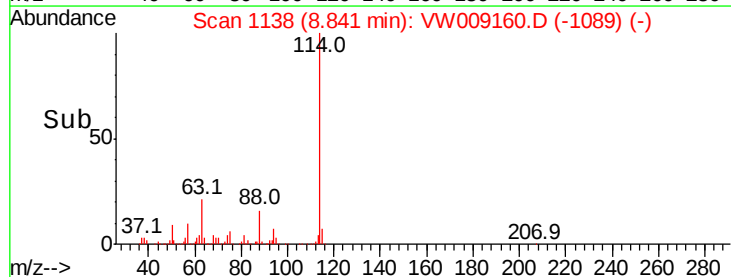
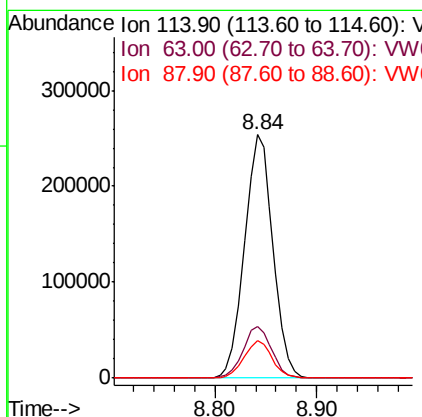
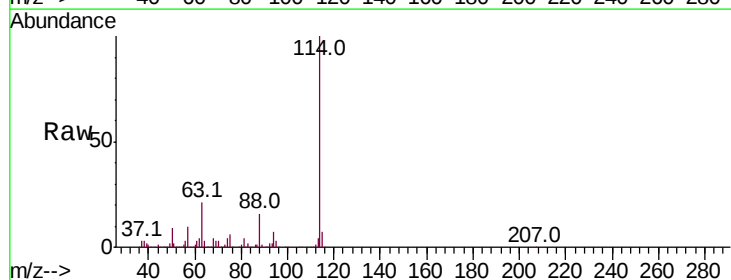
Instrument :
 MSVOA_W
 ClientSampled :

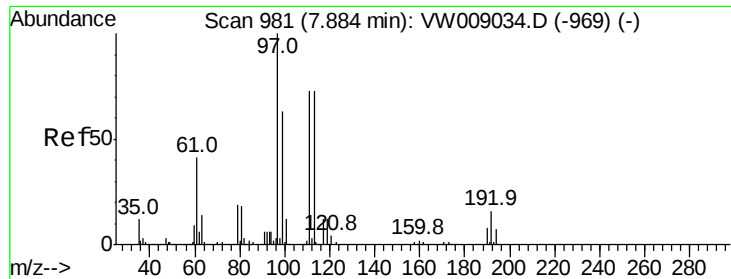
Tot Ion: 65 Resp: 180313
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

Tgt Ion: 114 Resp: 491058
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.2
 88 15.5 0.0 31.2

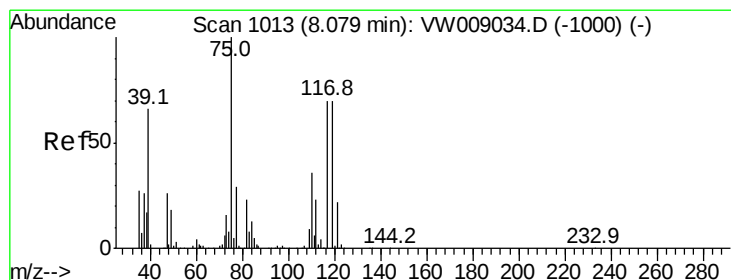
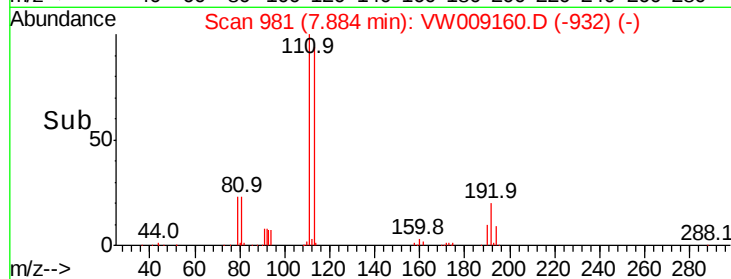
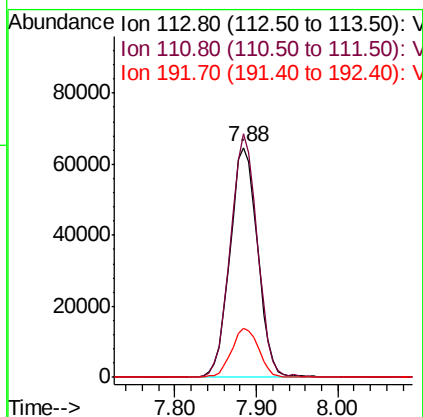
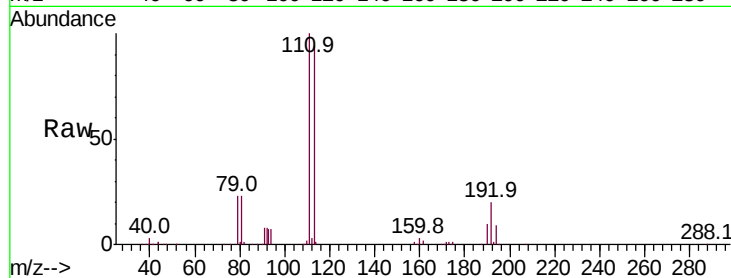




#35
 Dibromofluoromethane
 Concen: 50.895 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

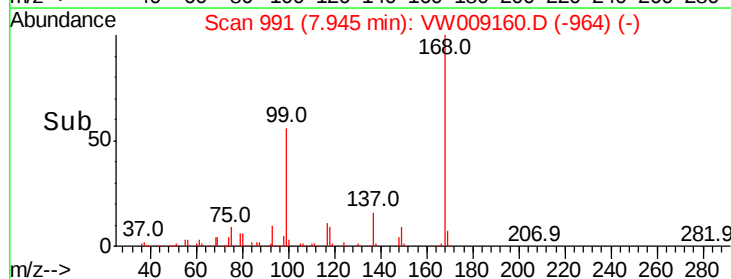
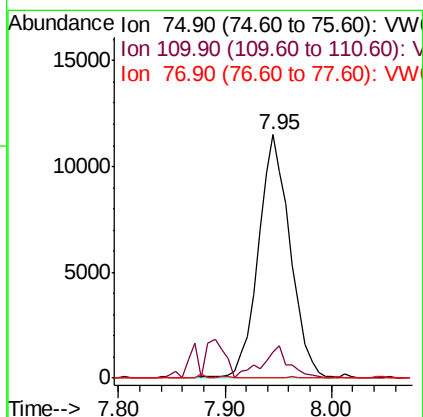
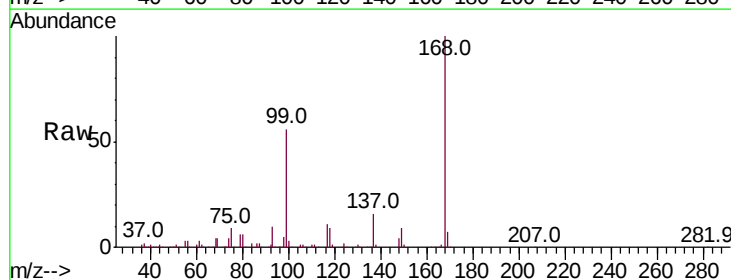
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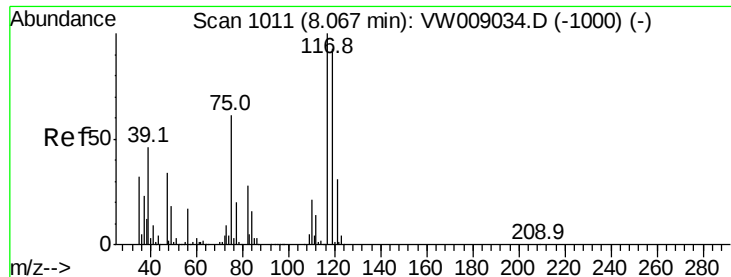
Tot Ion:113 Resp: 150478
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.0 121.4
 192 21.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

Tgt Ion: 75 Resp: 24033
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.6 52.9#
 77 0.1 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

Instrument :
MSVOA_W
ClientSampled :

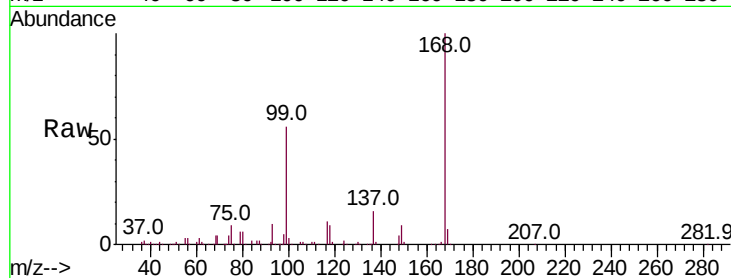
Tot Ion:117 Resp: 31827

Ion Ratio Lower Upper

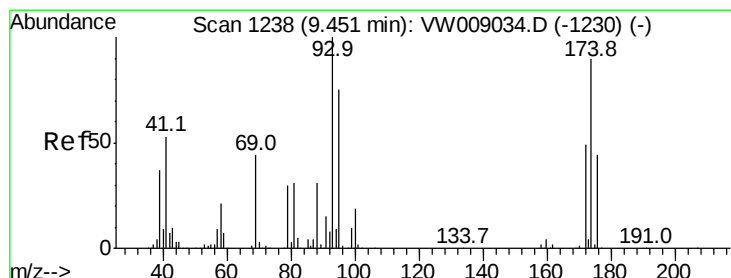
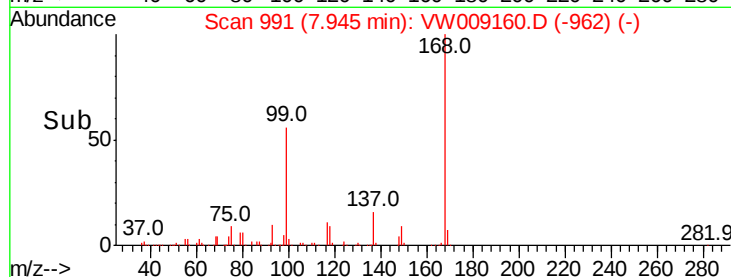
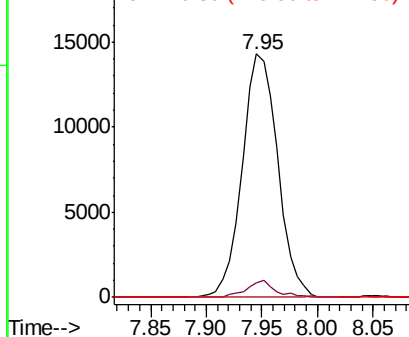
117 100

119 5.9 74.6 112.0#

121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.751 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

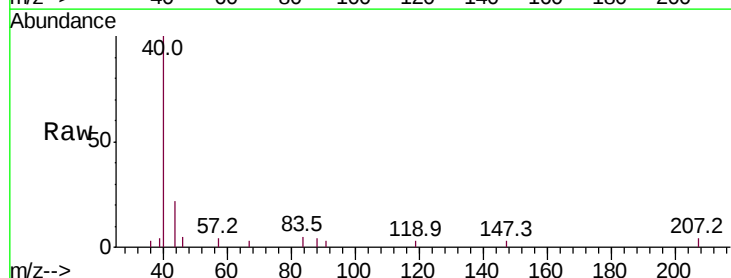
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

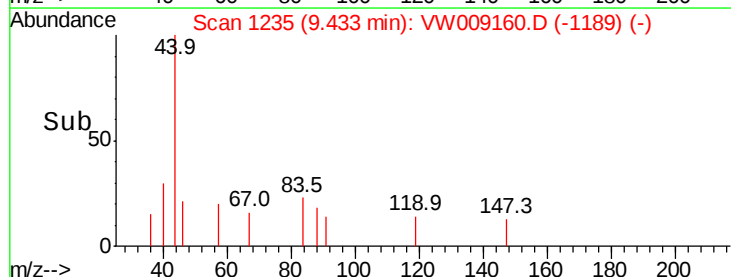
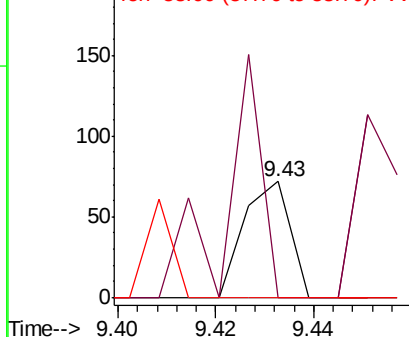
88 100

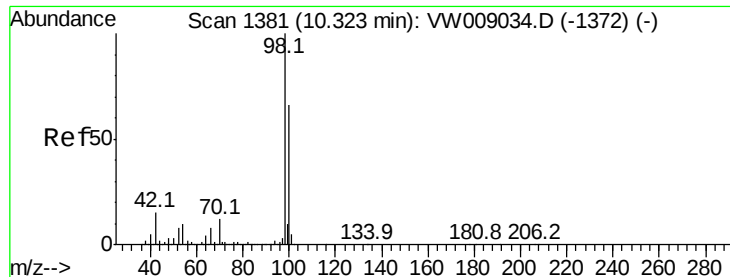
43 166.0 29.0 43.4#

58 0.0 59.2 88.8#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.534 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

Instrument :

MSVOA_W

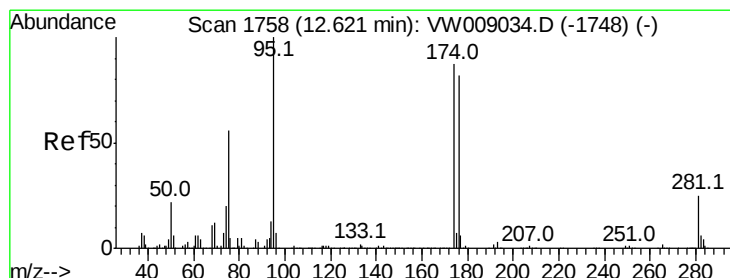
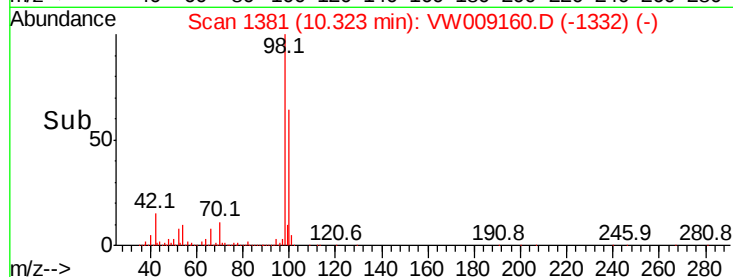
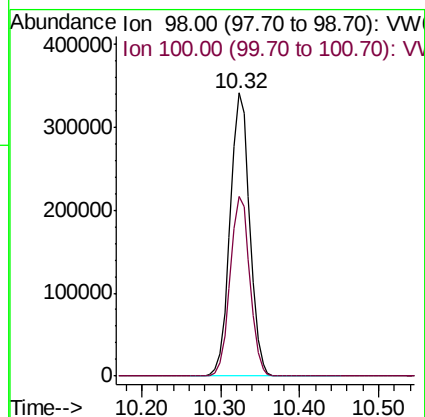
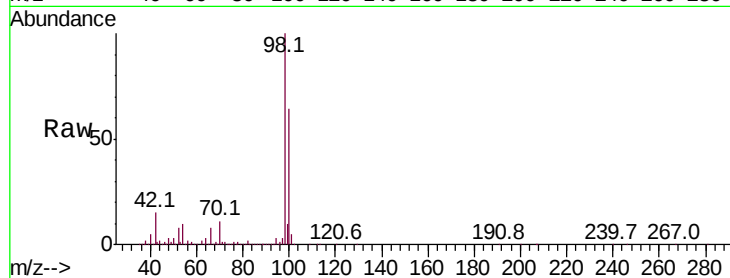
ClientSampleId :

Tot Ion: 98 Resp: 589359

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 39.131 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

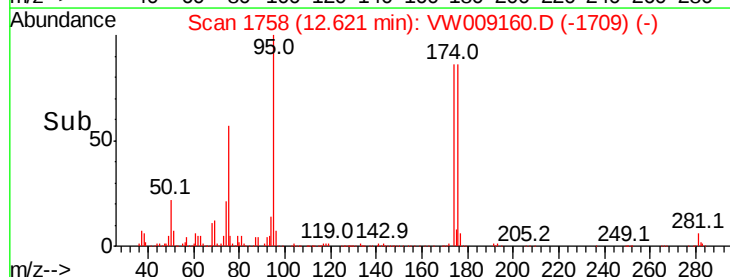
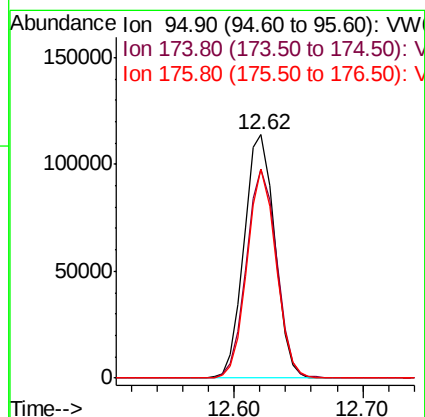
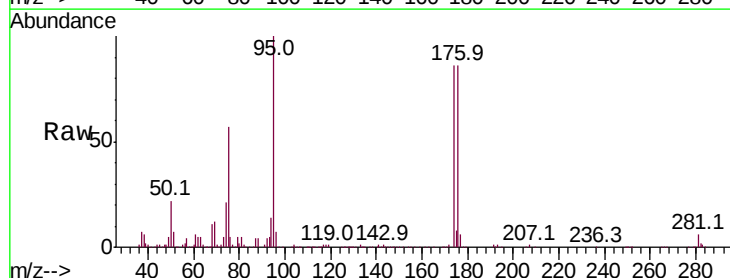
Tgt Ion: 95 Resp: 187059

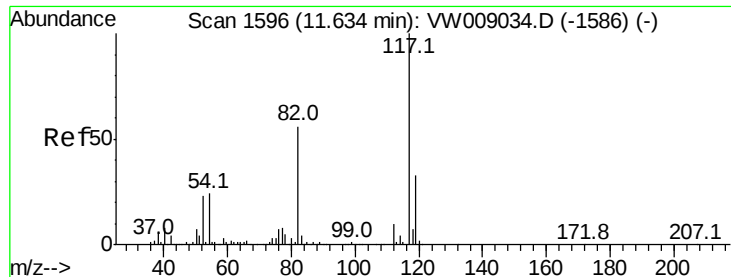
Ion Ratio Lower Upper

95 100

174 84.7 0.0 167.0

176 81.2 0.0 159.4

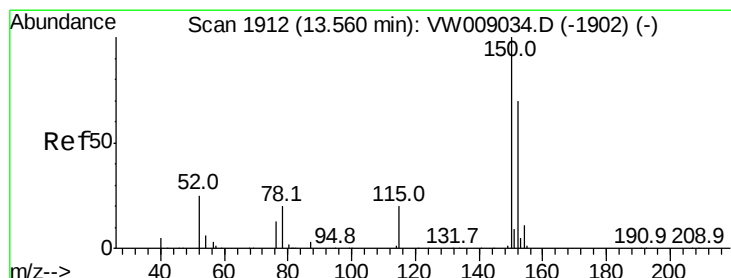
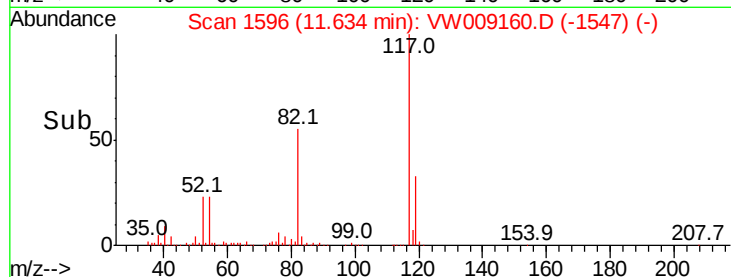
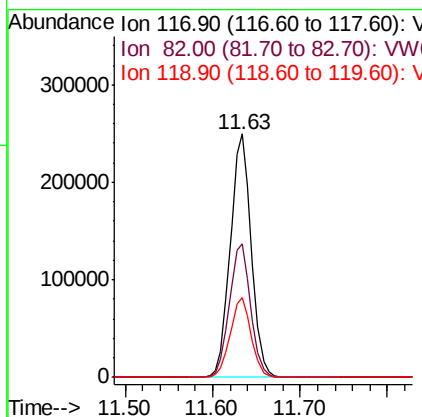
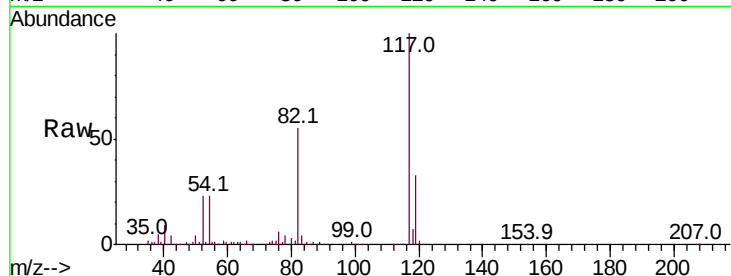




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009160.D
Acq: 13 Mar 2019 17:23

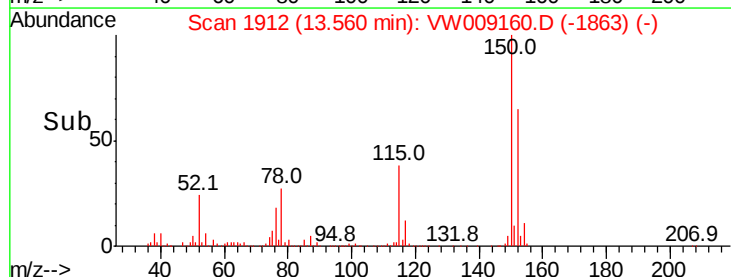
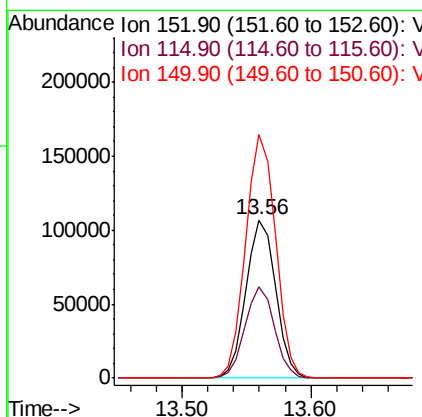
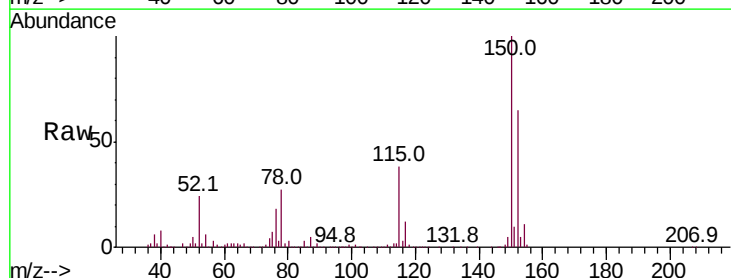
Instrument :
MSVOA_W
ClientSampleId :

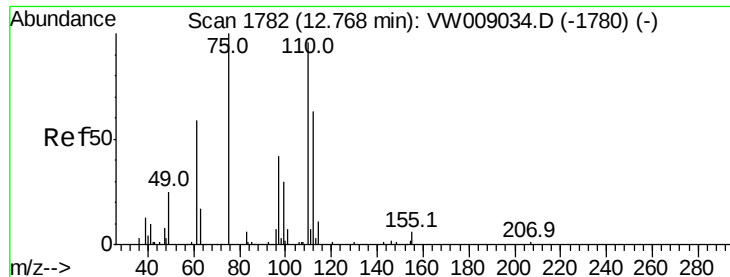
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.6
119	32.6	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009160.D
Acq: 13 Mar 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	155.8	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 76.429 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

Instrument :

MSVOA_W

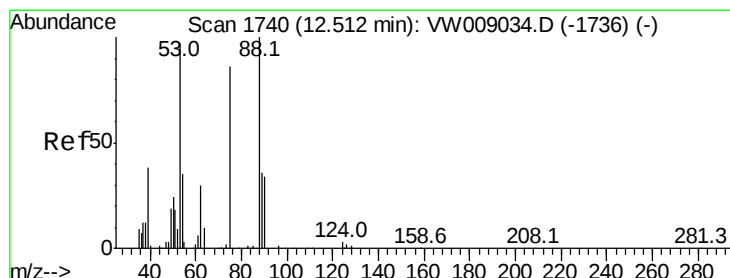
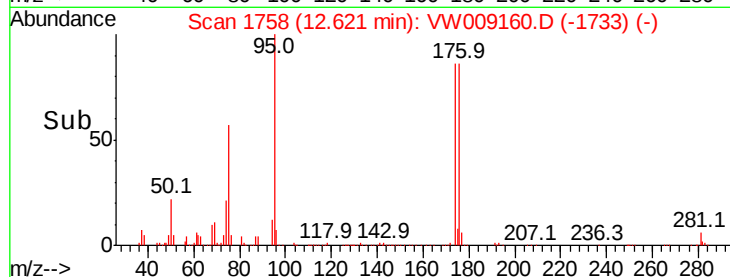
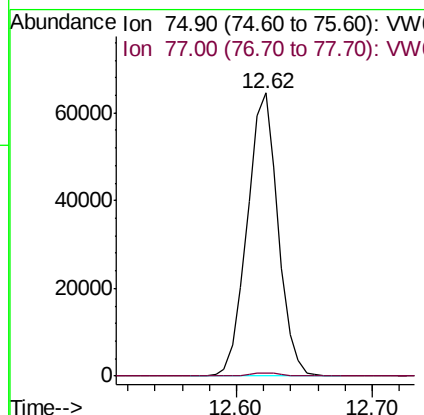
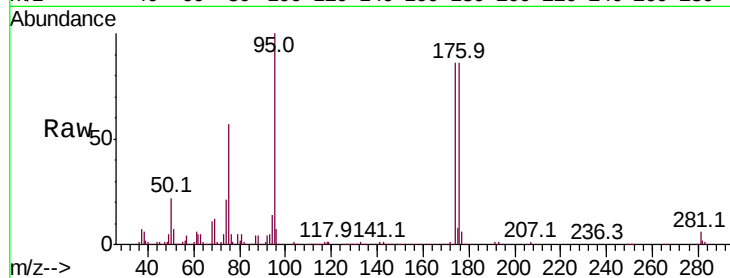
ClientSampleId :

Tot Ion: 75 Resp: 102306

Ion Ratio Lower Upper

75 100

77 1.4 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 170.951 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009160.D

Acq: 13 Mar 2019 17:23

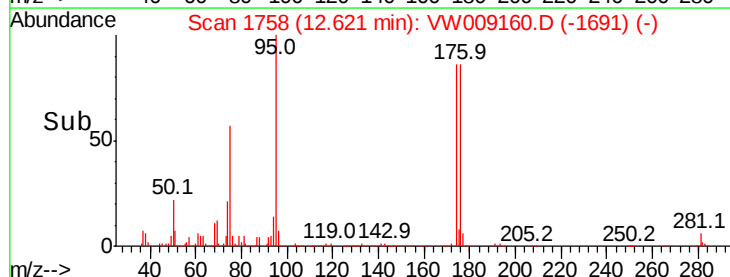
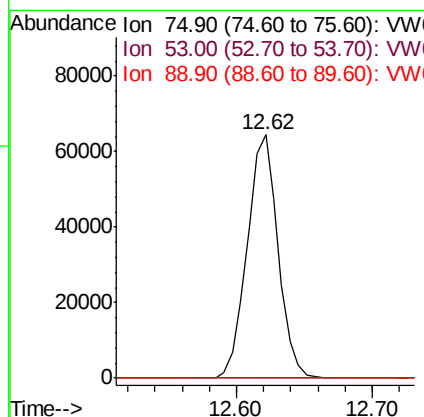
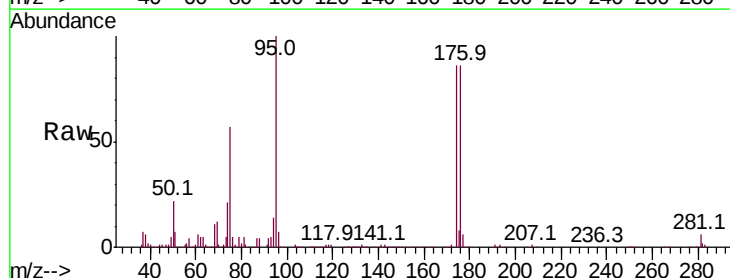
Tgt Ion: 75 Resp: 102306

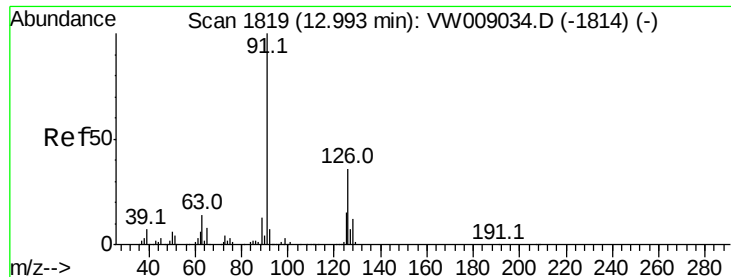
Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.0 37.5 56.3#





#82
 4-Chlorotoluene
 Concen: 2.584 ug/l
 RT: 13.03 min Scan# 1825
 Delta R.T. 0.04 min
 Lab File: VW009160.D
 Acq: 13 Mar 2019 17:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 91 Resp: 23128
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.8#

