

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004258.D
 Acq On : 27 Jul 2018 07:37
 Operator : SY/AP
 Sample : J4099-03RE
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 08:47:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	432052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	73947	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	159519	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
35) Dibromofluoromethane	7.88	113	105049	37.89	ug/l	0.00
Spiked Amount			Recovery	=	75.78%	
50) Toluene-d8	10.33	98	401885	37.36	ug/l	0.00
Spiked Amount			Recovery	=	74.72%	
62) 4-Bromofluorobenzene	12.62	95	101383	26.14	ug/l	0.00
Spiked Amount			Recovery	=	52.28%	

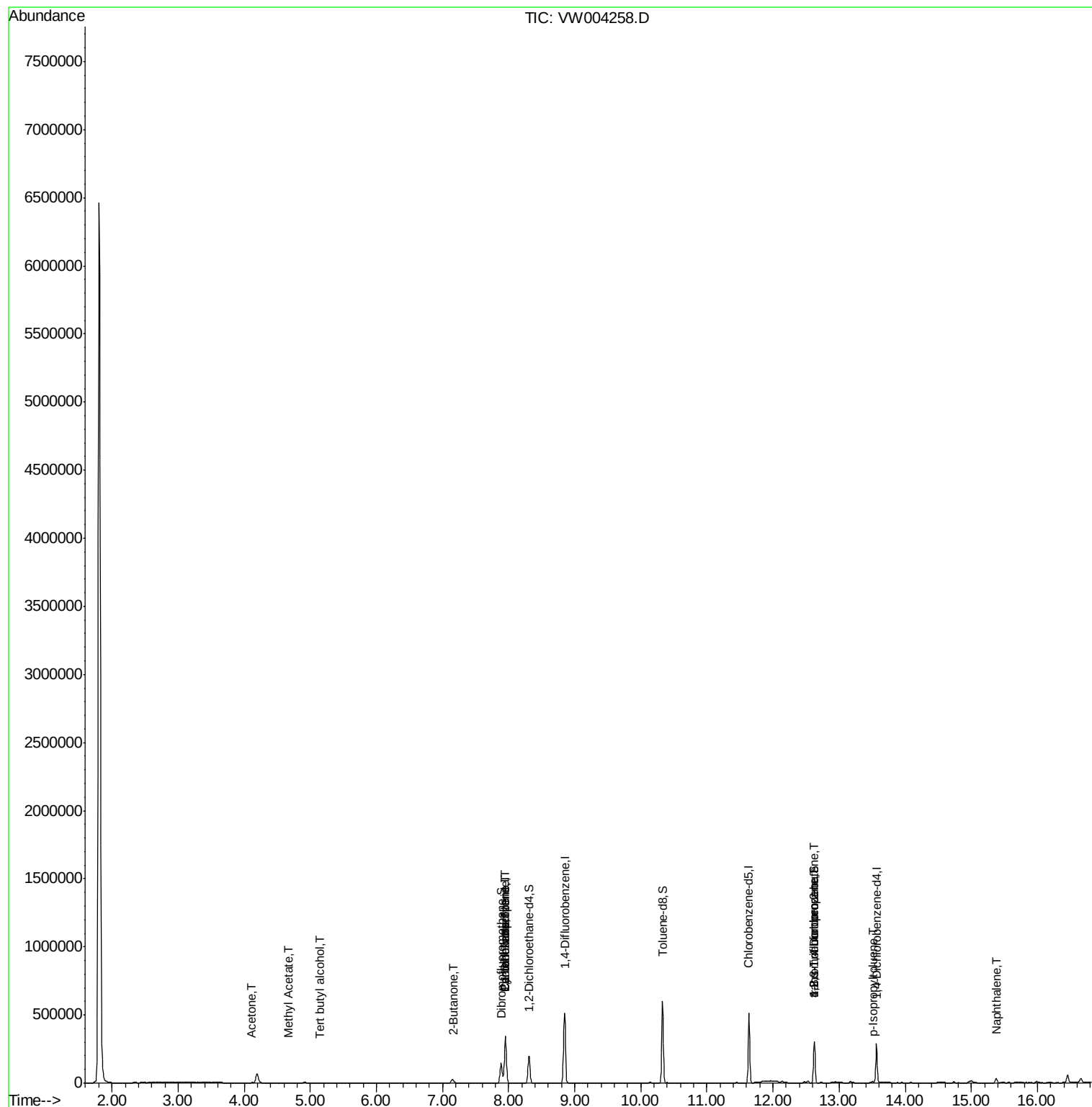
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	319	1.630	ug/l #	72
16) Acetone	4.12	43	5918	8.687	ug/l	99
18) Methyl Acetate	4.67	43	3567	2.181	ug/l	100
20) Methylene Chloride	4.91	84	3229	Below Cal	#	90
25) 2-Butanone	7.17	43	3264	3.560	ug/l #	84
31) Cyclohexane	7.95	56	5854	1.245	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20271	4.560	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24960	6.009	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	51517	70.175	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51517	155.225	ug/l #	11
86) p-Isopropyltoluene	13.51	119	6370	1.326	ug/l	100
95) Naphthalene	15.38	128	28174	9.768	ug/l	99

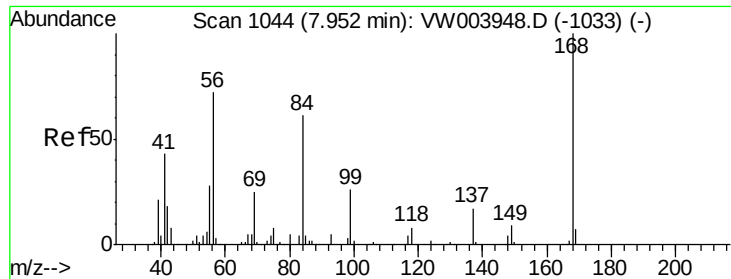
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

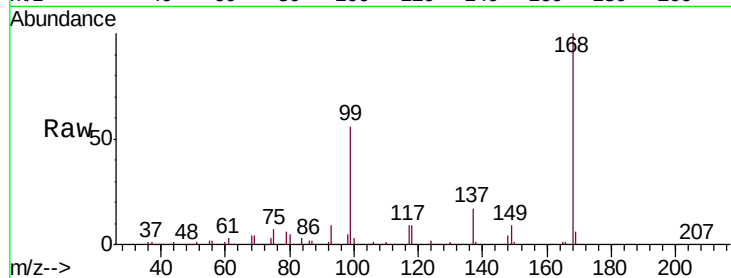
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 253622

Ion Ratio Lower Upper

168 100

99 56.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

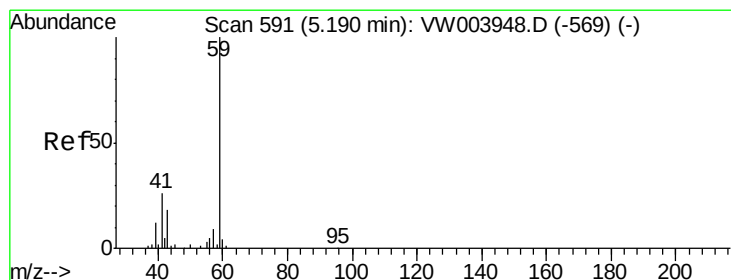
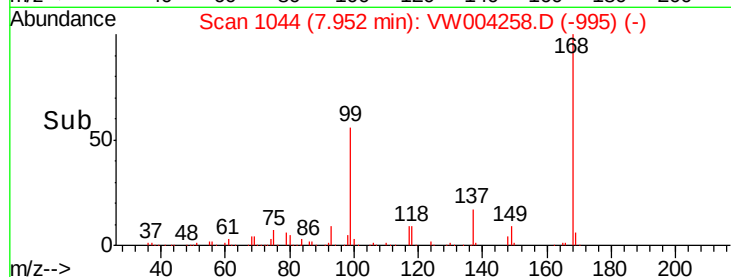
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.630 ug/l

RT: 5.15 min Scan# 584

Delta R.T. -0.04 min

Lab File: VW004258.D

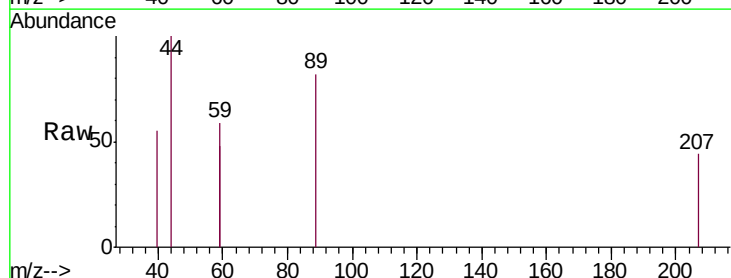
Acq: 27 Jul 2018 07:37

Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

400

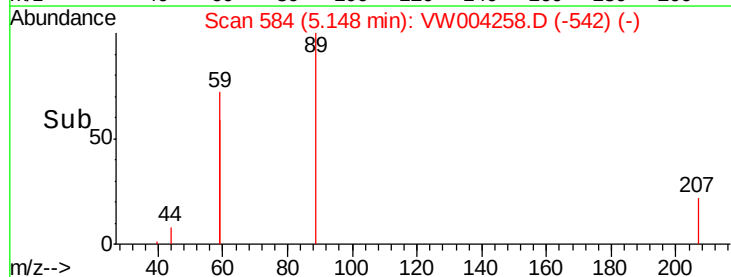
300

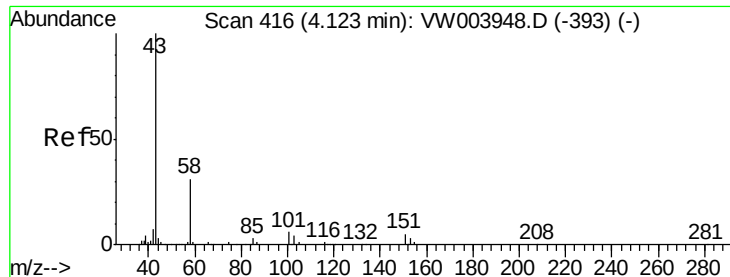
200

100

0

Time-->

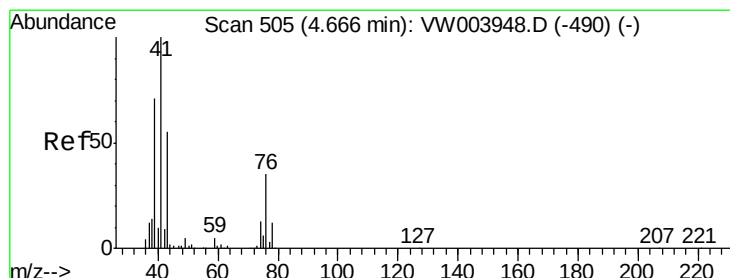
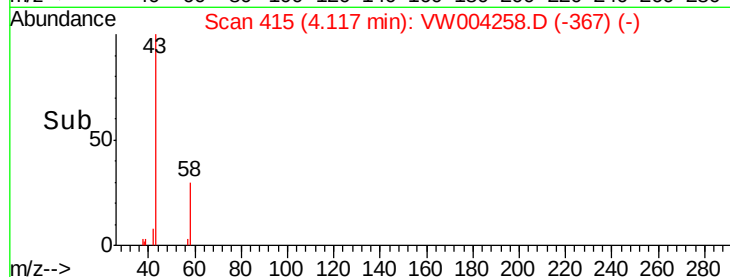
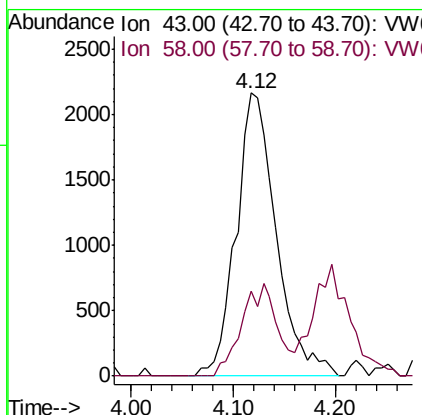
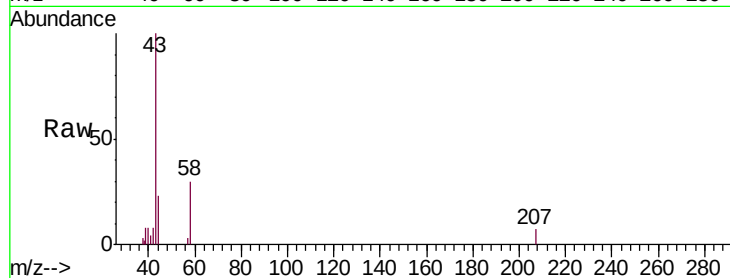




#16
Acetone
Concen: 8.687 ug/l
RT: 4.12 min Scan# 415
Delta R.T. -0.01 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

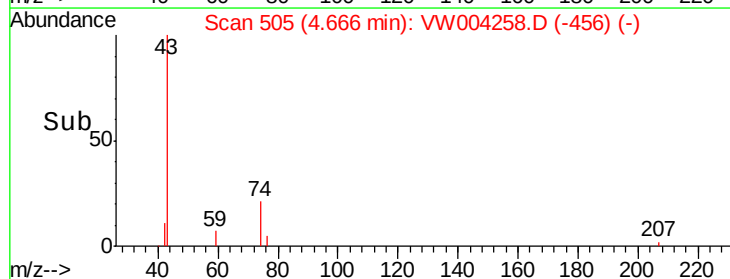
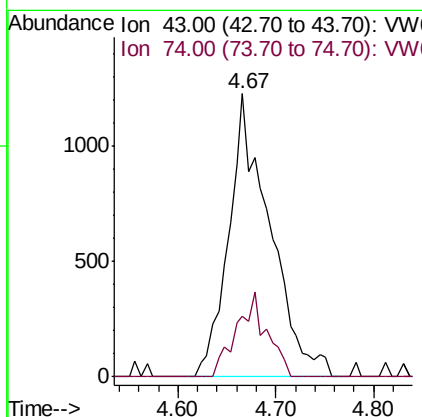
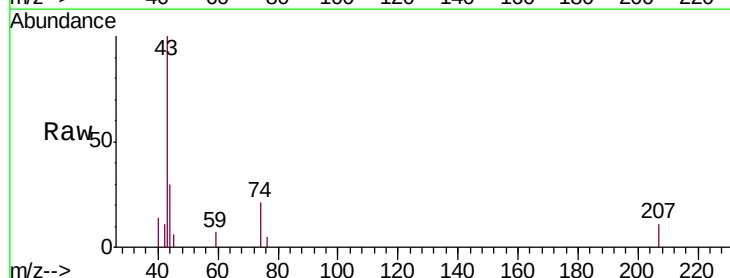
Instrument :
MSVOA_W
ClientSampled :

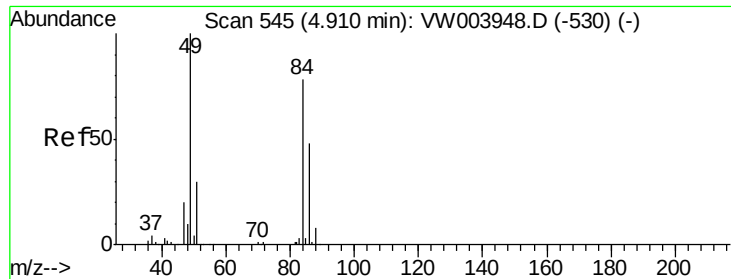
Tot Ion: 43 Resp: 5918
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7



#18
Methyl Acetate
Concen: 2.181 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
74 22.3 17.7 26.5

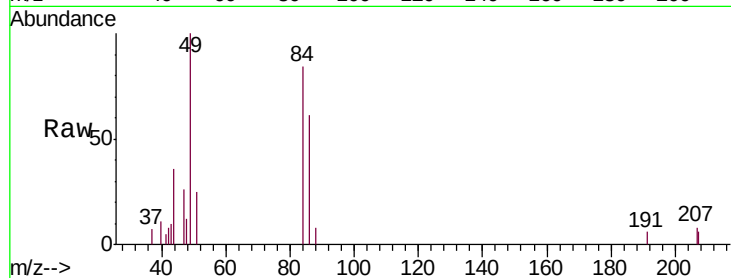




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	84	Resp	3229
Ion	Ratio	Lower	Upper
84	100		
49	119.7	102.9	154.3
51	30.4	30.9	46.3#
86	73.1	49.9	74.9



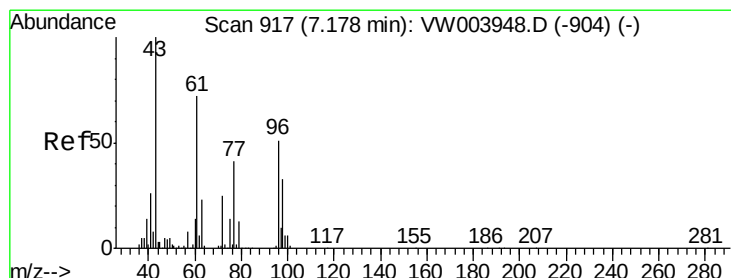
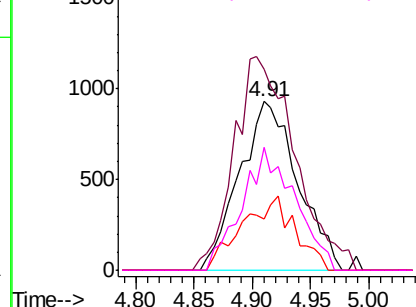
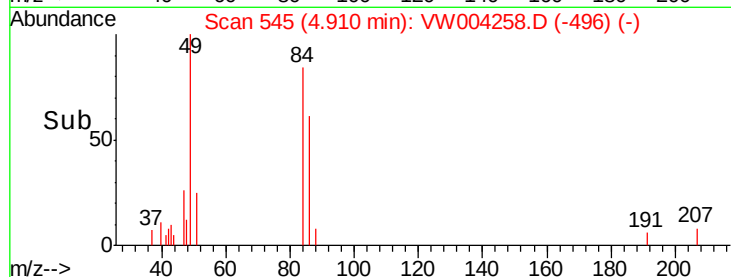
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

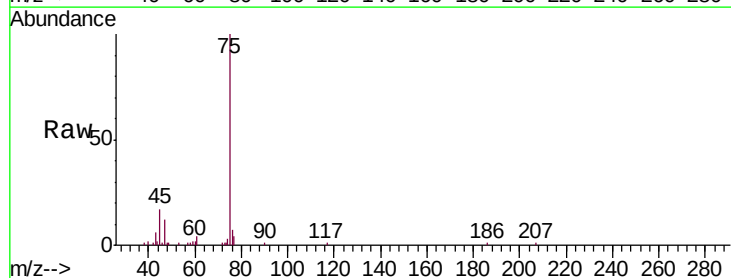
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 3.560 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

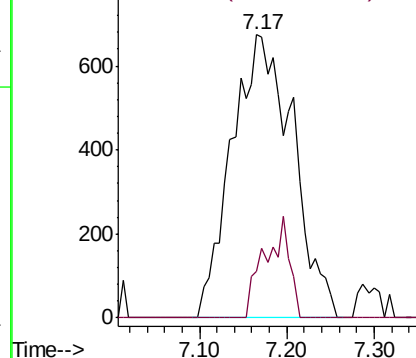
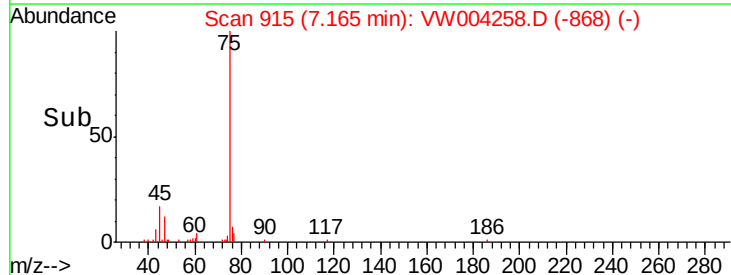
Tgt Ion	43	Resp	3264
Ion	Ratio	Lower	Upper
43	100		
72	16.6	19.8	29.6#

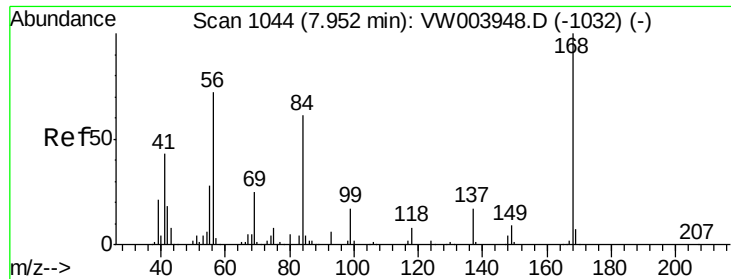


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

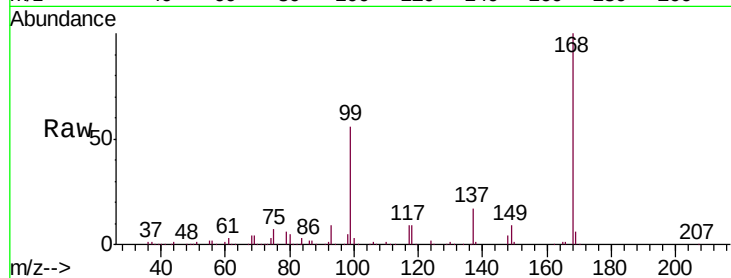




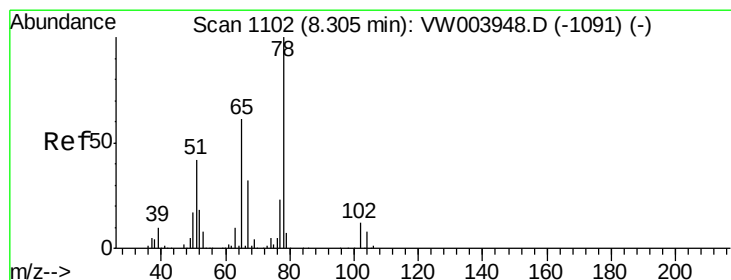
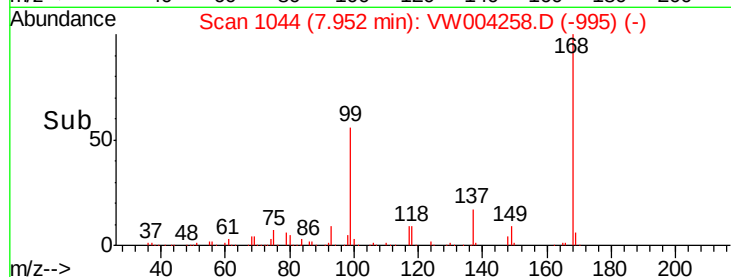
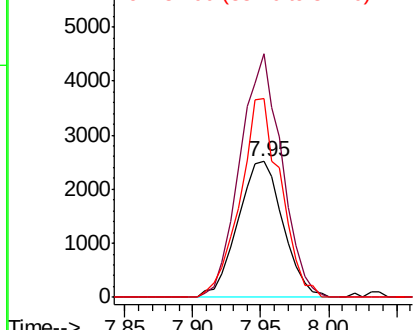
#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5854
Ion Ratio Lower Upper
56 100
69 179.0 27.8 41.8#
84 145.9 67.2 100.8#

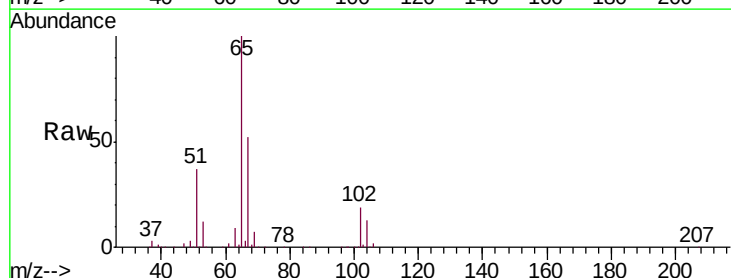


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

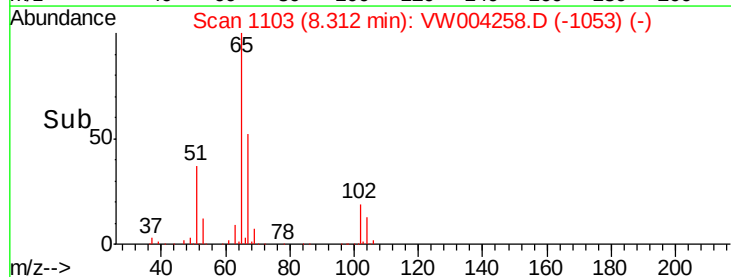
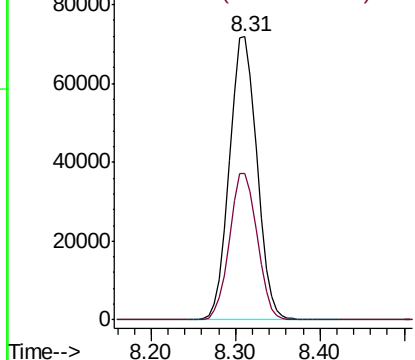


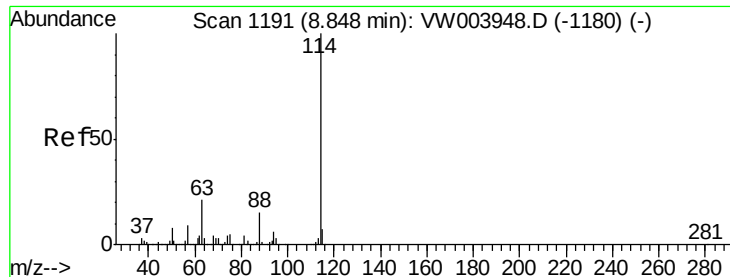
#33
1,2-Dichloroethane-d4
Concen: 56.268 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Tgt Ion: 65 Resp: 159519
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

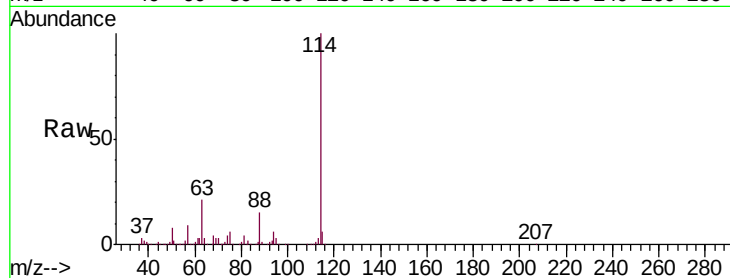




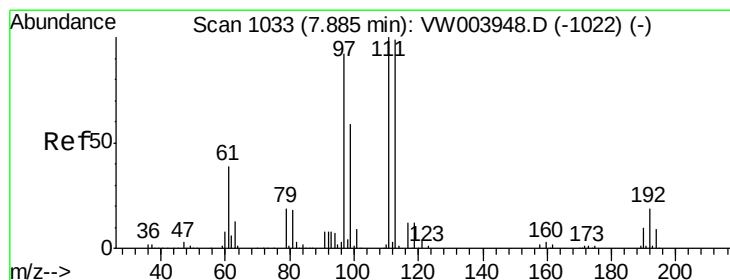
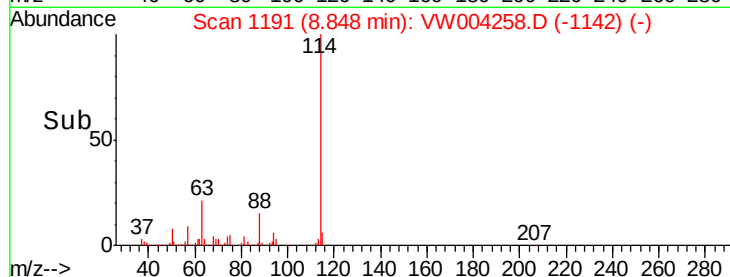
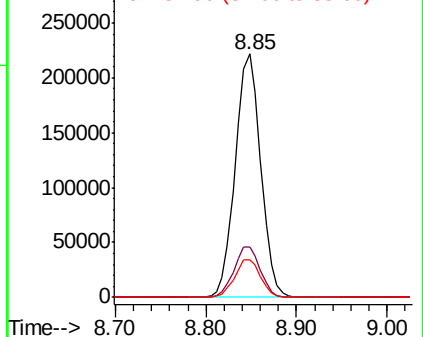
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 432052
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.8
88 15.5 0.0 30.4

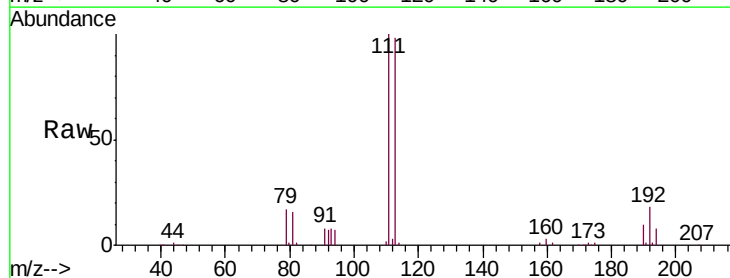


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

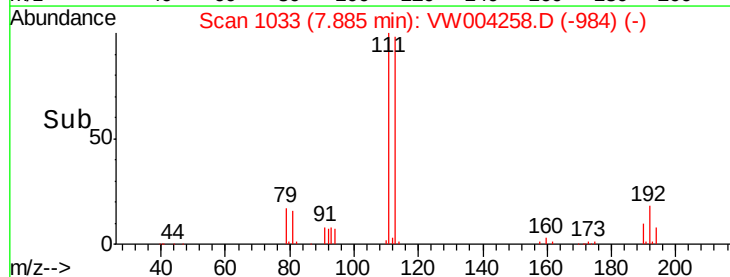
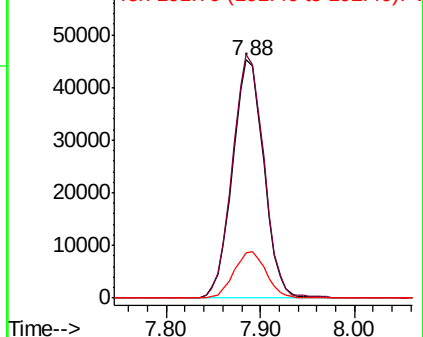


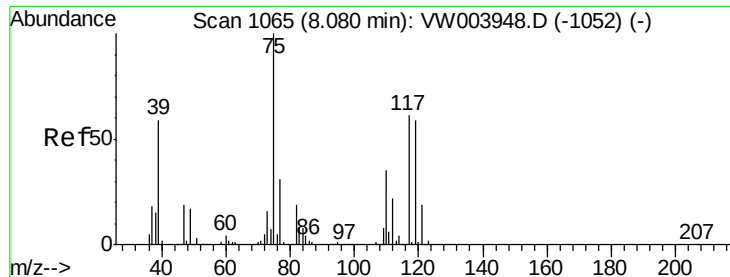
#35
Dibromofluoromethane
Concen: 37.894 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Tgt Ion:113 Resp: 105049
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.9 15.8 23.6



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: 4.560 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

Instrument :

MSVOA_W

ClientSampled :

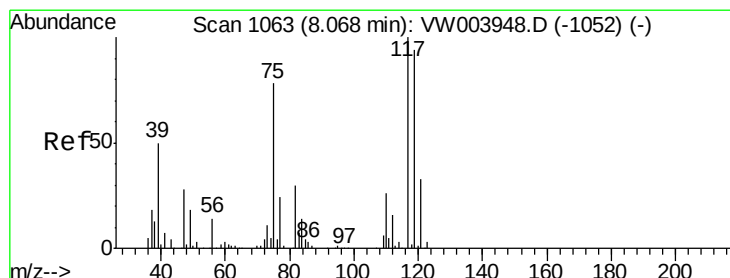
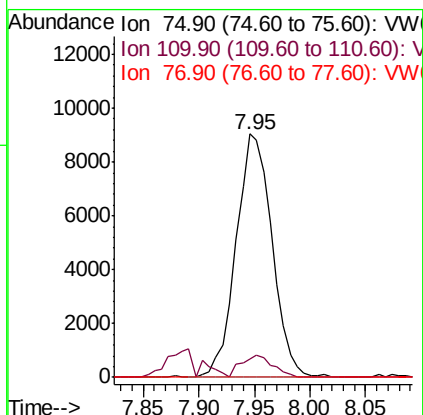
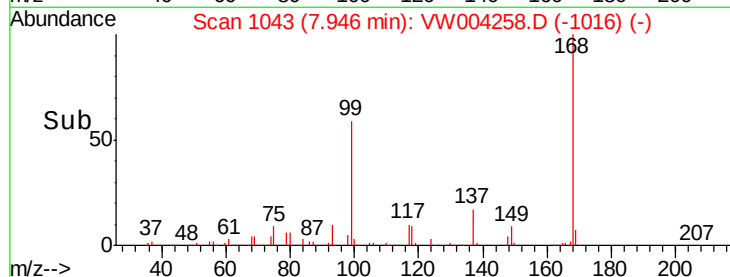
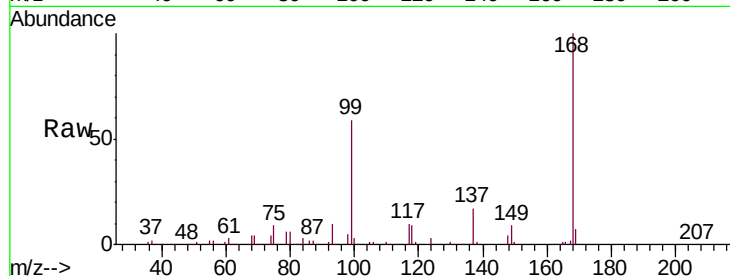
Tot Ion: 75 Resp: 20271

Ion Ratio Lower Upper

75 100

110 8.0 17.0 51.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

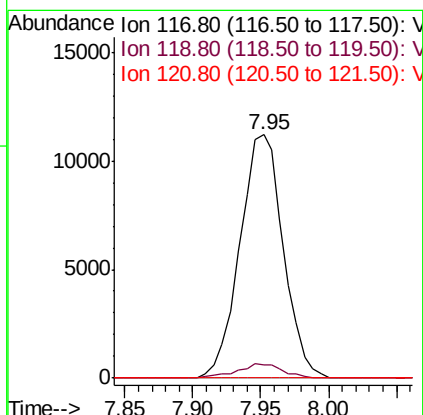
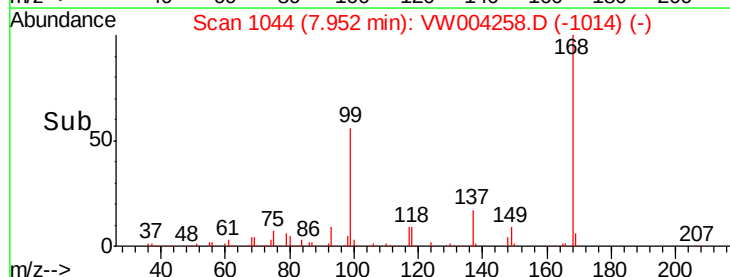
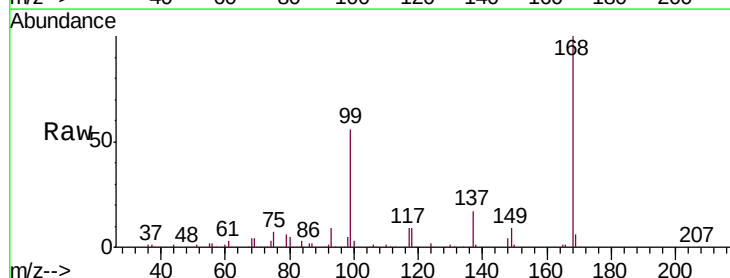
Tgt Ion: 117 Resp: 24960

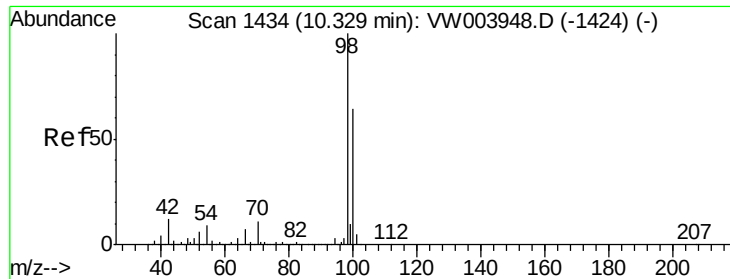
Ion Ratio Lower Upper

117 100

119 5.2 75.3 112.9#

121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 37.362 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

Instrument :

MSVOA_W

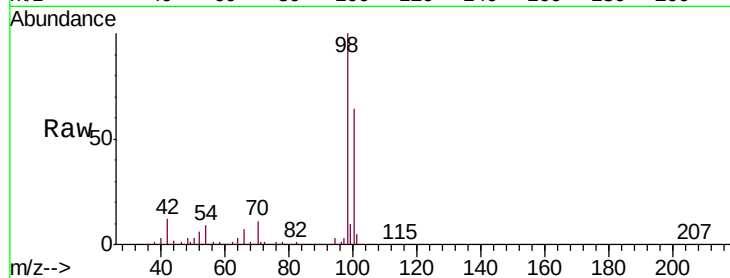
ClientSampleId :

Tot Ion: 98 Resp: 401885

Ion Ratio Lower Upper

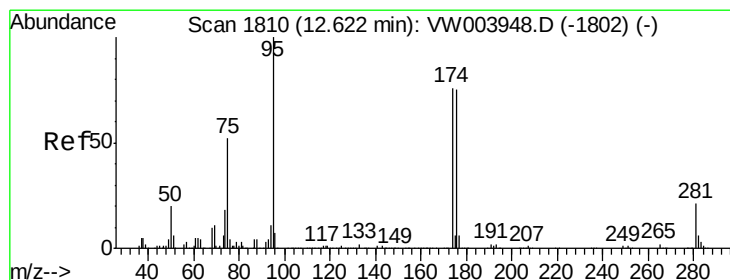
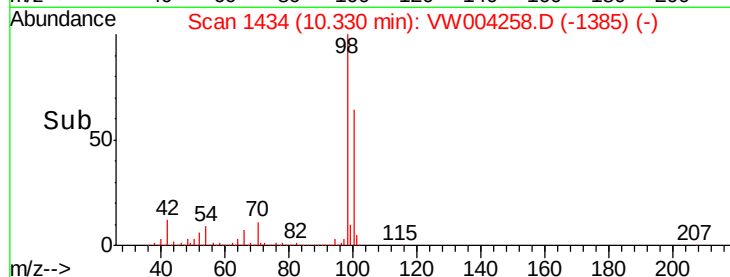
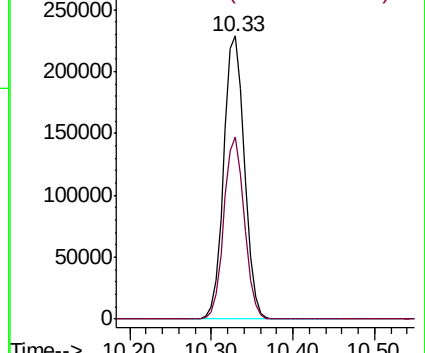
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 26.137 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

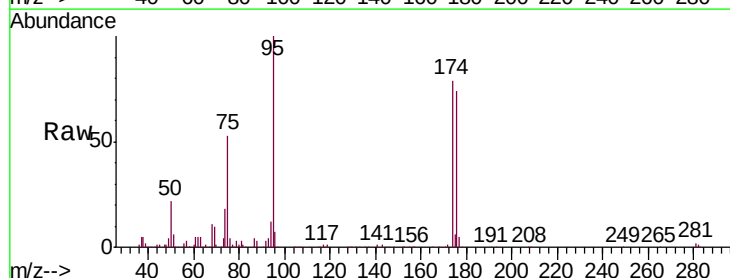
Tgt Ion: 95 Resp: 101383

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

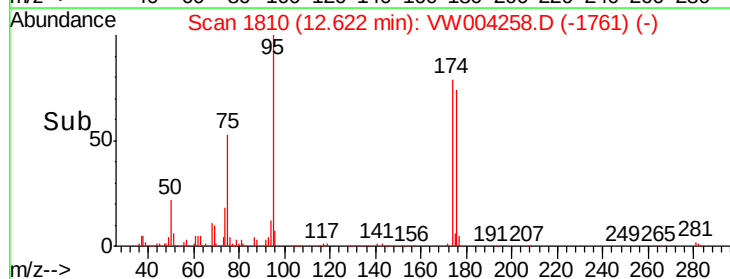
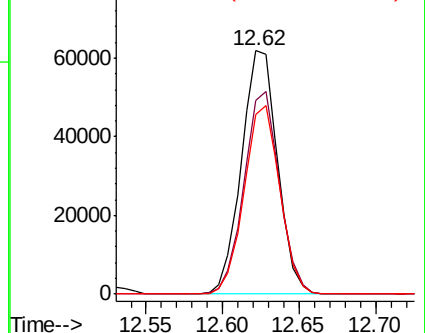
176 76.8 0.0 155.8

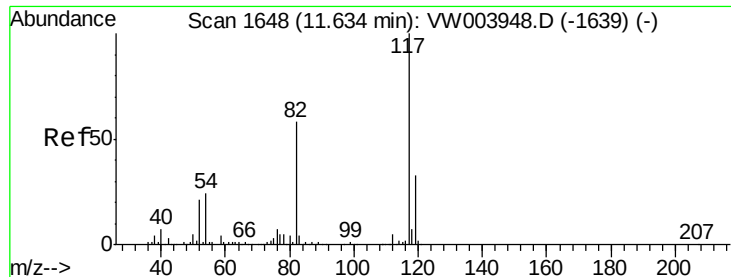


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

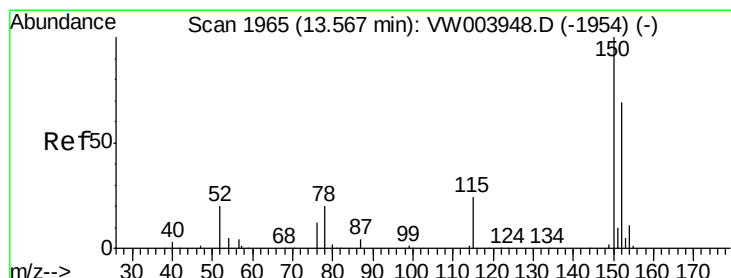
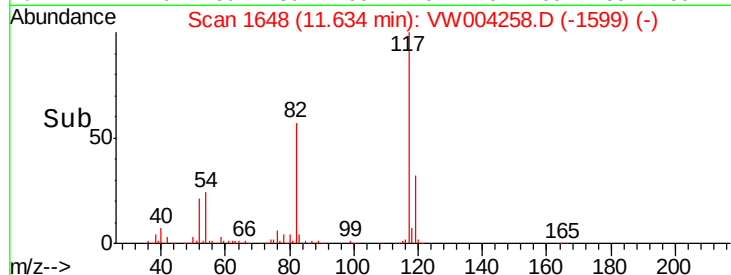
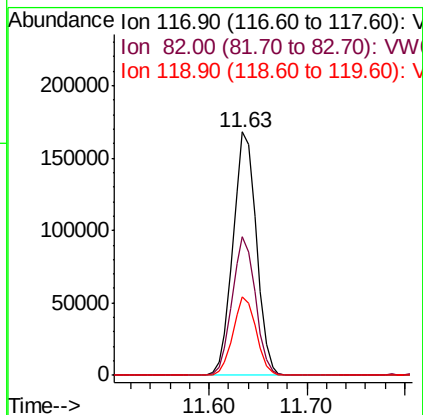
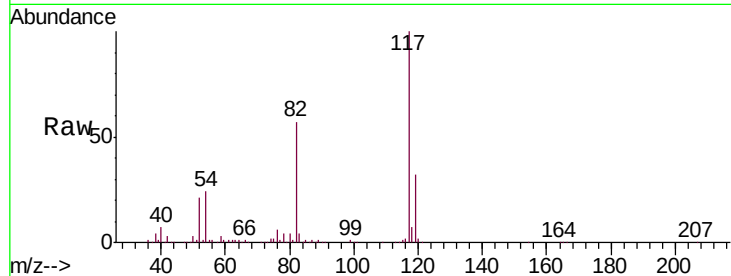




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

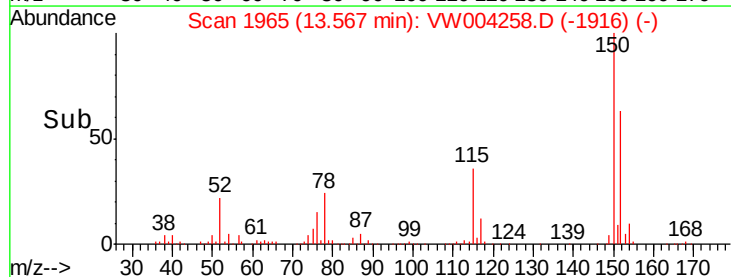
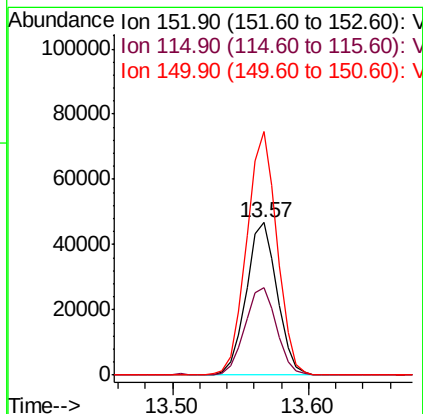
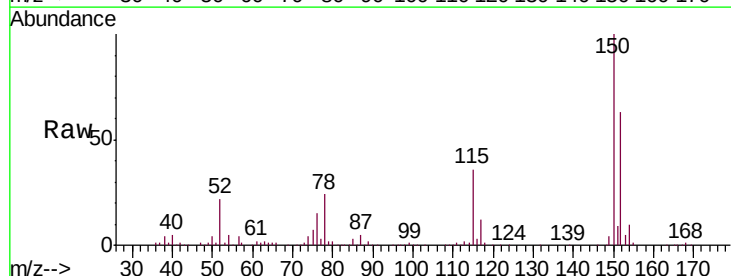
Instrument :
MSVOA_W
ClientSampleId :

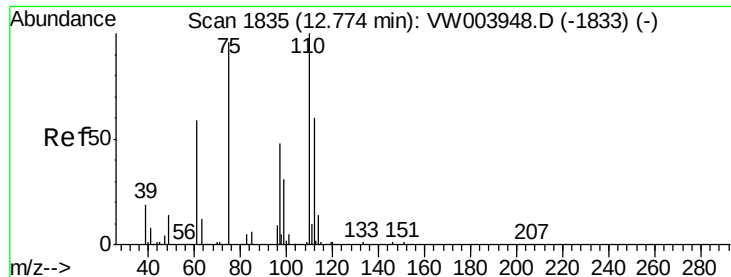
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.5	69.7
119	32.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004258.D
Acq: 27 Jul 2018 07:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.2	87.6
150	157.9	0.0	345.2





#76

1,2,3-Trichloropropane

Concen: 70.175 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

Instrument :

MSVOA_W

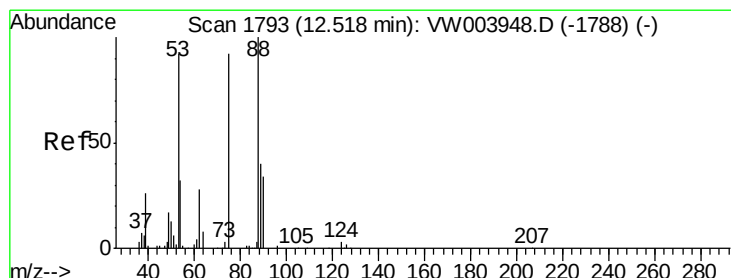
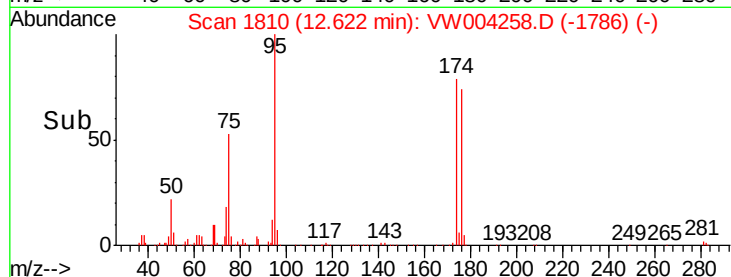
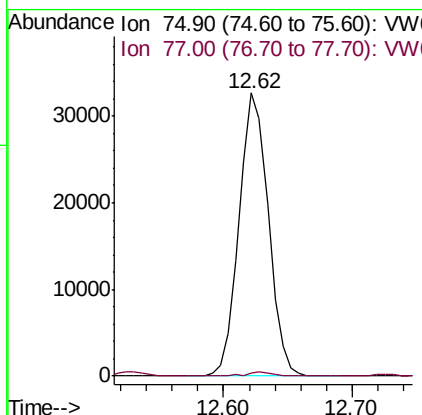
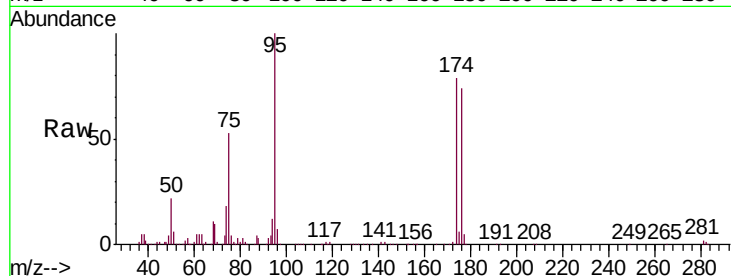
ClientSampleId :

Tot Ion: 75 Resp: 51517

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.225 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004258.D

Acq: 27 Jul 2018 07:37

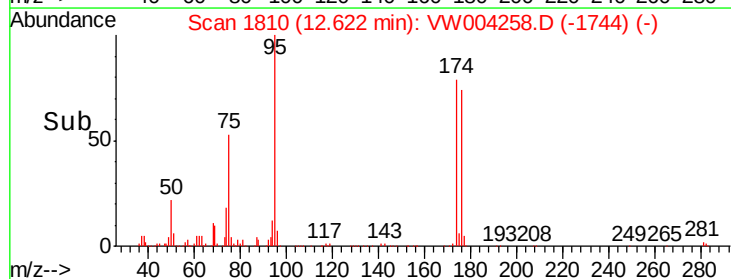
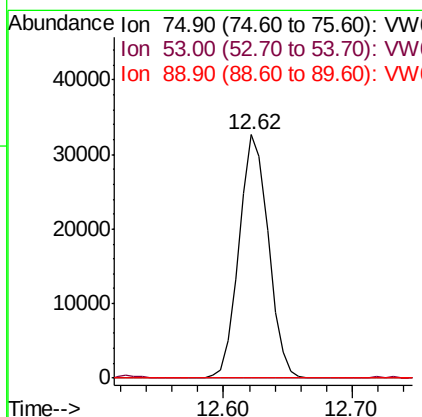
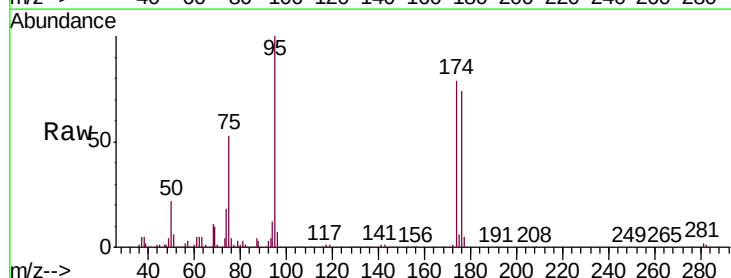
Tgt Ion: 75 Resp: 51517

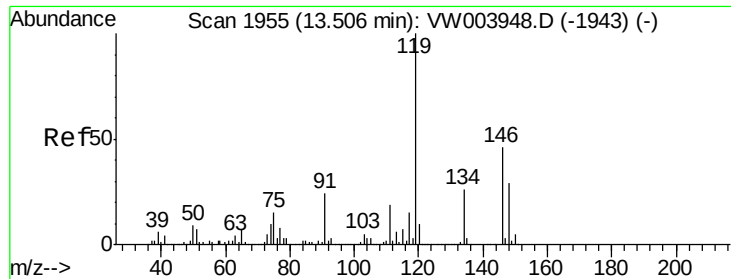
Ion Ratio Lower Upper

75 100

53 0.3 77.6 116.4#

89 0.0 36.6 54.8#

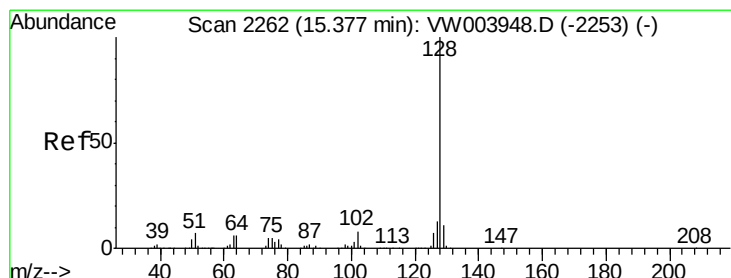
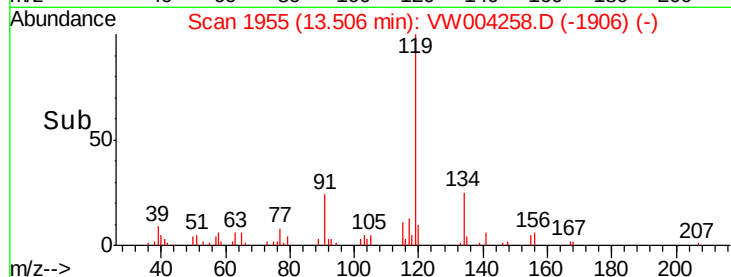
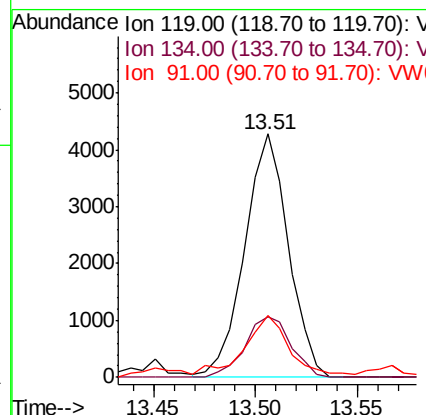
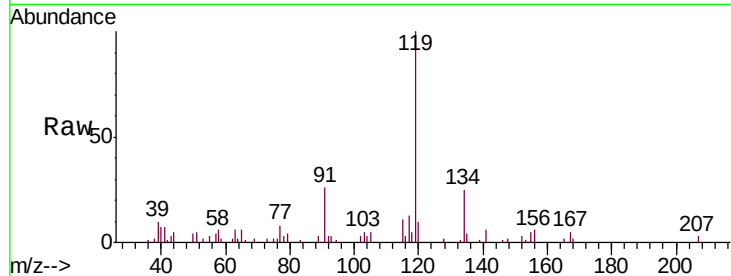




#86
 p-Isopropyltoluene
 Concen: 1.326 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004258.D
 Acq: 27 Jul 2018 07:37

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.2	11.8	35.3



#95
 Naphthalene
 Concen: 9.768 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004258.D
 Acq: 27 Jul 2018 07:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.7	16.1
129	10.9	8.7	13.1

