

Data File : VW008246.D
Acq On : 14 Jan 2019 14:51
Operator : SY/VA
Sample : K1129-02
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P-1A

Quant Time: Jan 14 21:13:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	84102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56473	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.88	113	51168	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
50) Toluene-d8	10.32	98	204048	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.62	95	67352	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

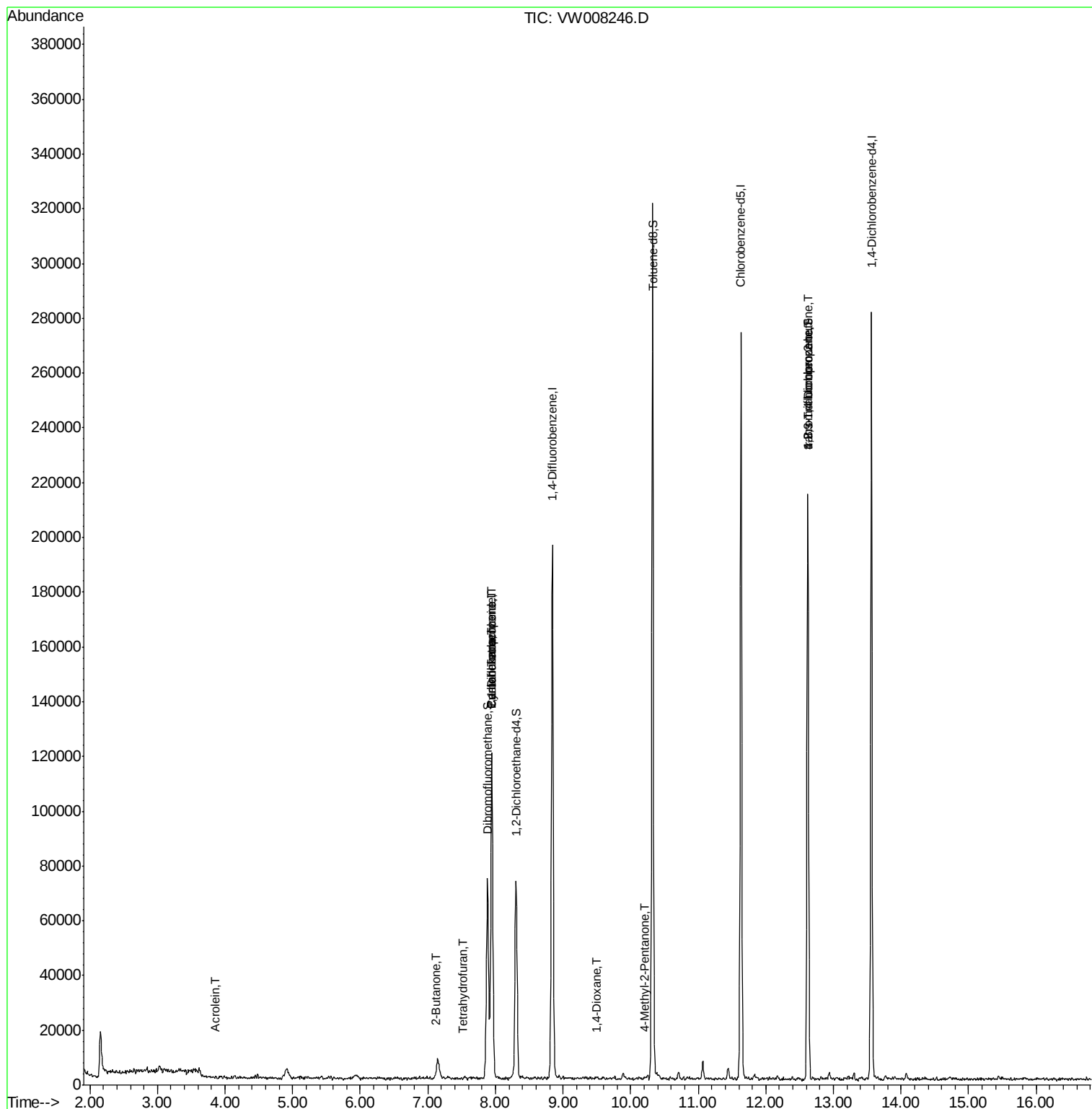
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.29	59	75	Below Cal	#	100
13) Acrolein	3.86	56	326	3.706	ug/l #	75
16) Acetone	4.14	43	1239	Below Cal	#	81
20) Methylene Chloride	4.92	84	2939	Below Cal	#	89
25) 2-Butanone	7.12	43	437	1.662	ug/l #	49
29) Tetrahydrofuran	7.52	42	215	1.224	ug/l #	53
31) Cyclohexane	7.94	56	2447	1.230	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	7136	4.476	ug/l #	44
38) Carbon Tetrachloride	7.94	117	9351	6.408	ug/l #	16
49) 1,4-Dioxane	9.50	88	21	2.480	ug/l #	1
51) 4-Methyl-2-Pentanone	10.20	43	697	1.128	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	34142	55.217	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34142	128.583	ug/l #	11

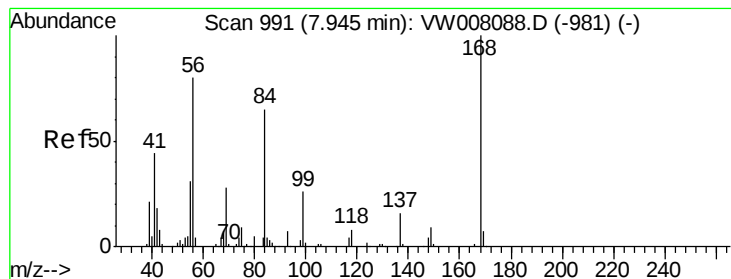
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

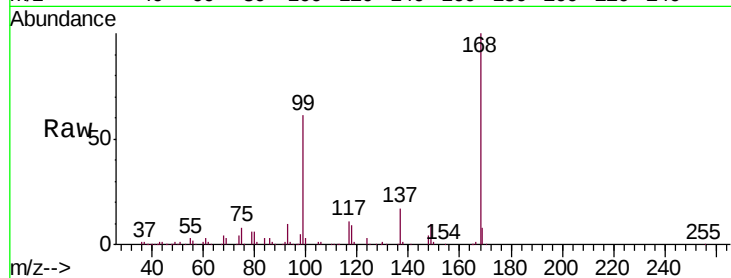
P-1A

Tgt Ion:168 Resp: 84102

Ion Ratio Lower Upper

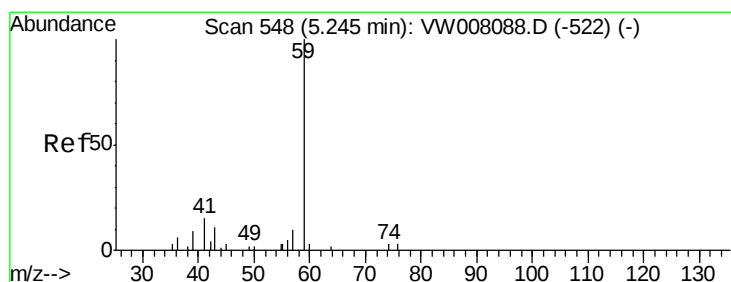
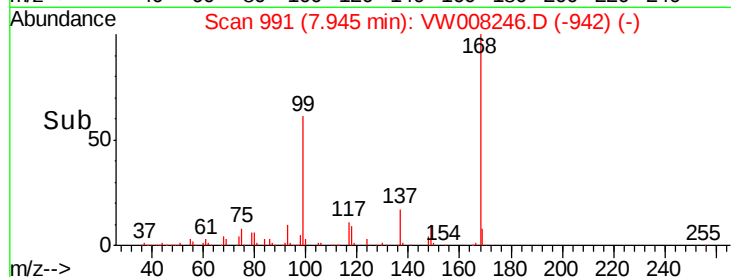
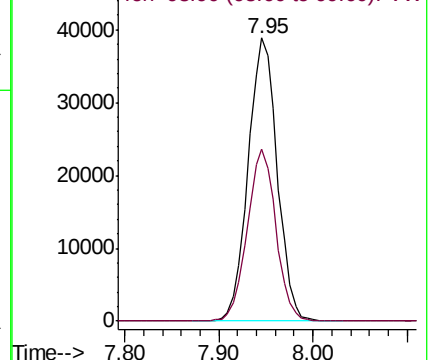
168 100

99 60.8 52.6 78.8



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: 5.29 min Scan# 556

Delta R.T. 0.05 min

Lab File: VW008246.D

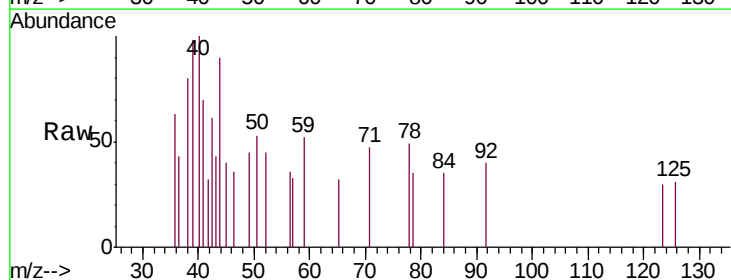
Acq: 14 Jan 2019 14:51

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

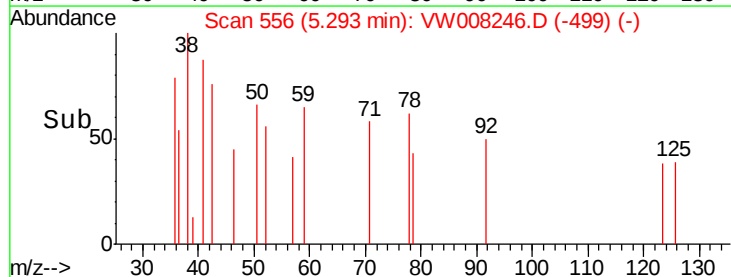
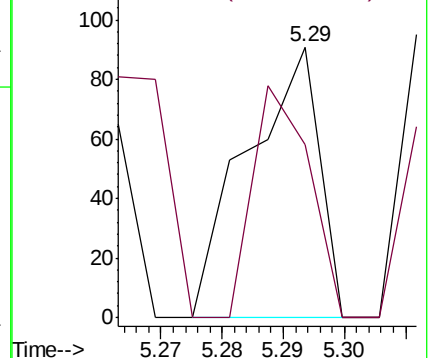
59 100

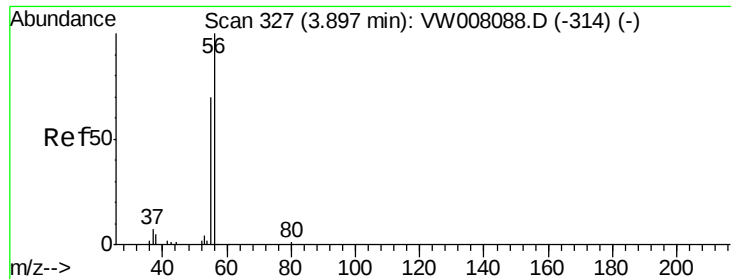
57 66.7 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.706 ug/l

RT: 3.86 min Scan# 321

Delta R.T. -0.04 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

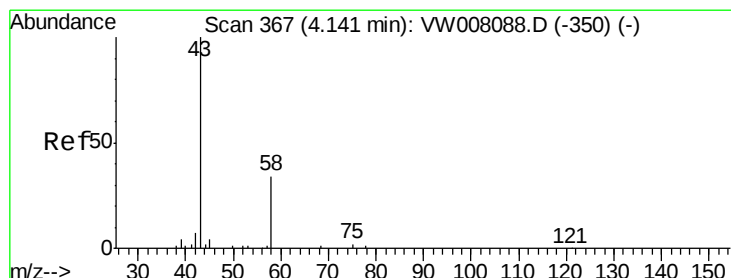
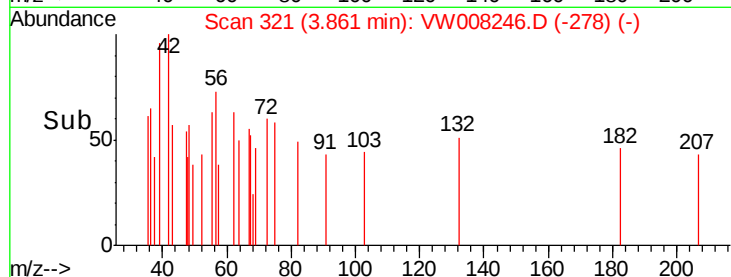
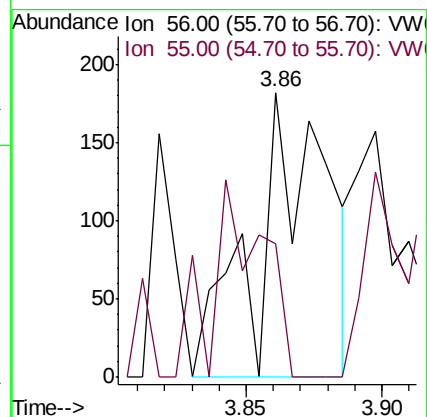
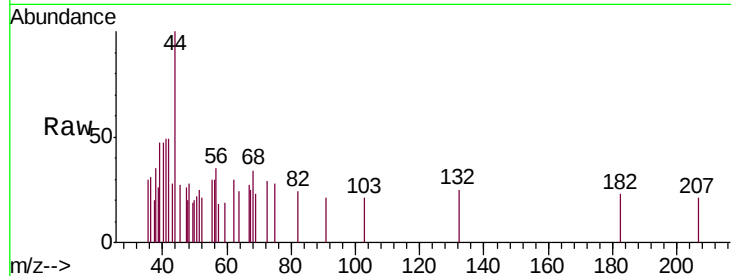
P-1A

Tgt Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 50.3 56.6 84.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008246.D

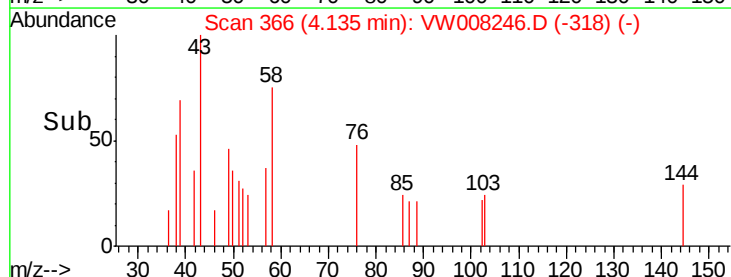
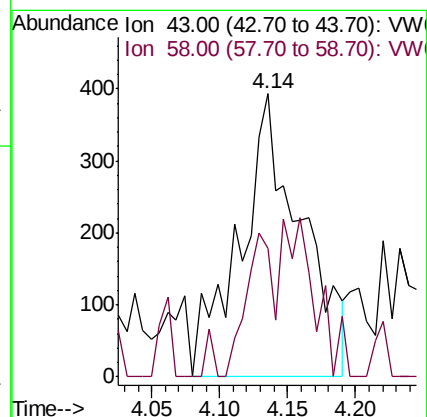
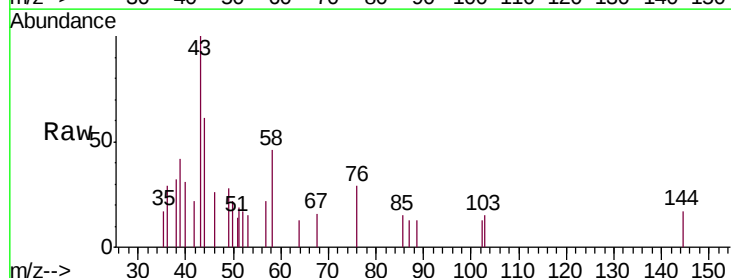
Acq: 14 Jan 2019 14:51

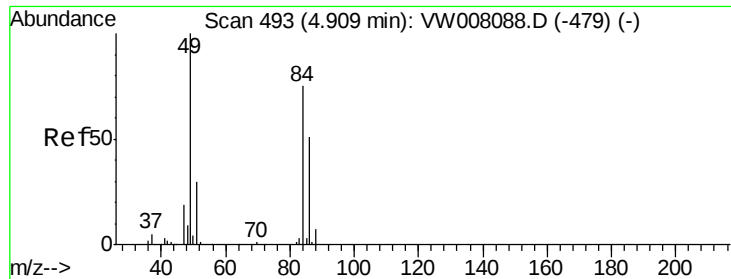
Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 45.5 27.5 41.3#

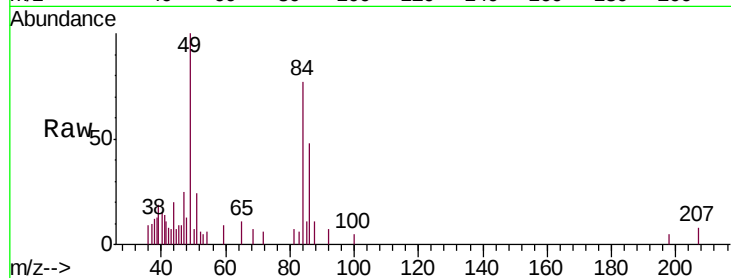




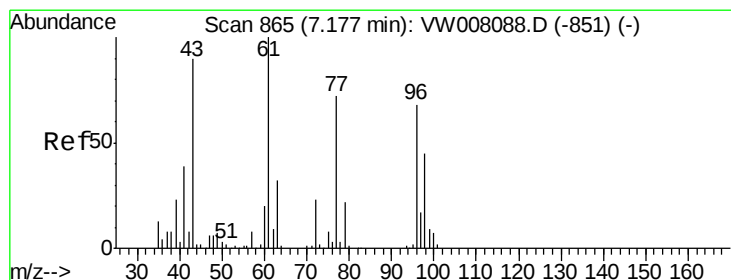
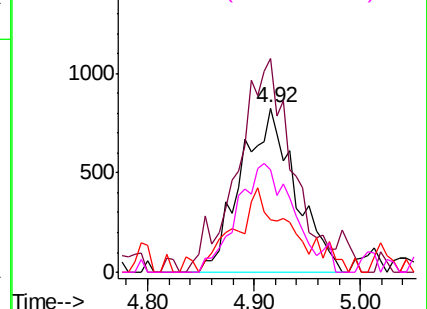
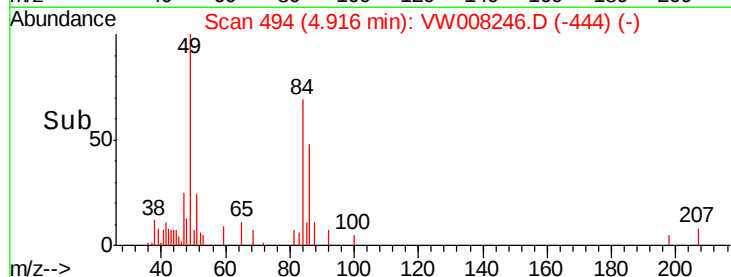
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

Instrument :
MSVOA_W
ClientSampled :
P-1A

Tgt Ion: 84 Resp: 2939
Ion Ratio Lower Upper
84 100
49 123.4 107.1 160.7
51 24.8 32.4 48.6#
86 62.0 54.2 81.4

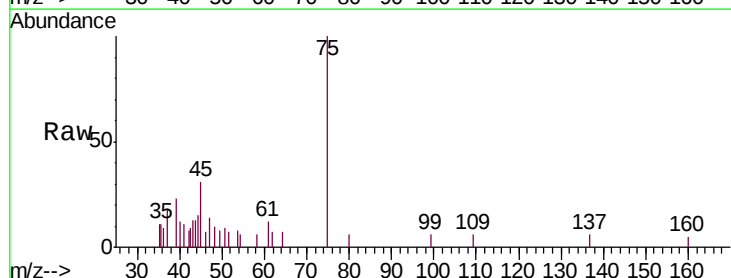


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

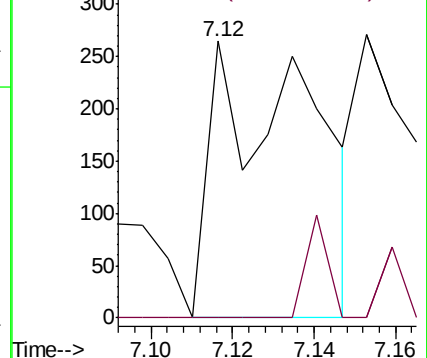
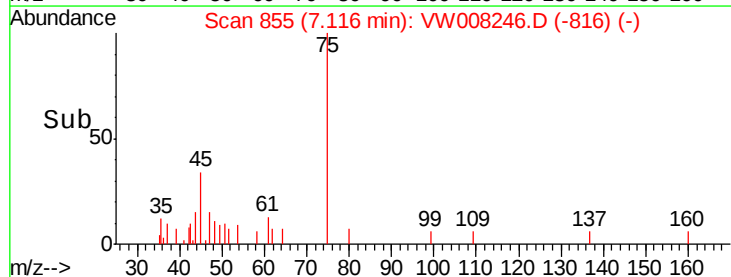


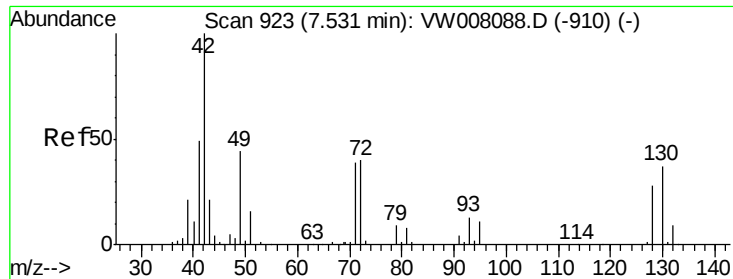
#25
2-Butanone
Concen: 1.662 ug/l
RT: 7.12 min Scan# 855
Delta R.T. -0.06 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

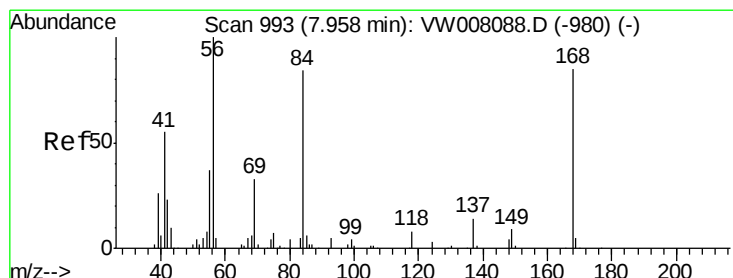
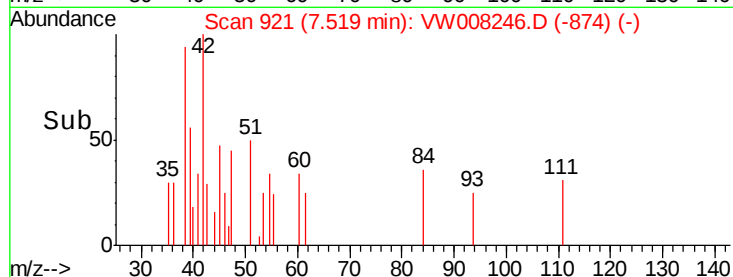
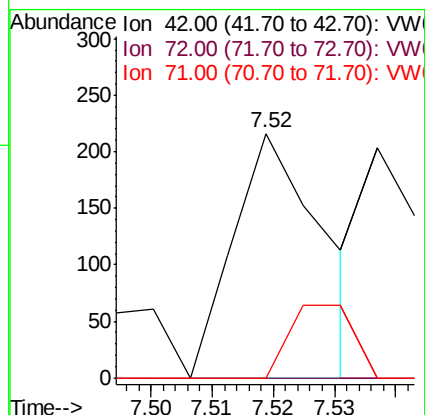
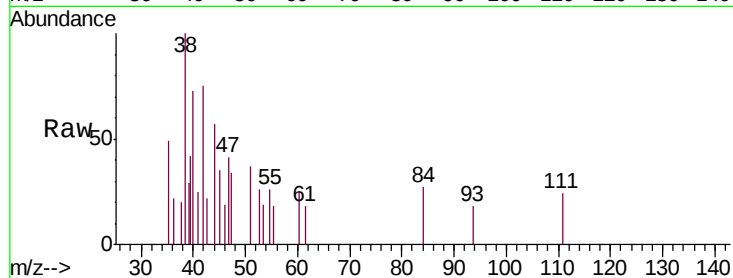




#29
Tetrahydrofuran
Concen: 1.224 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

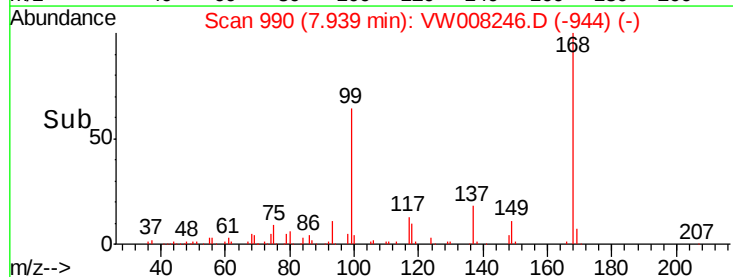
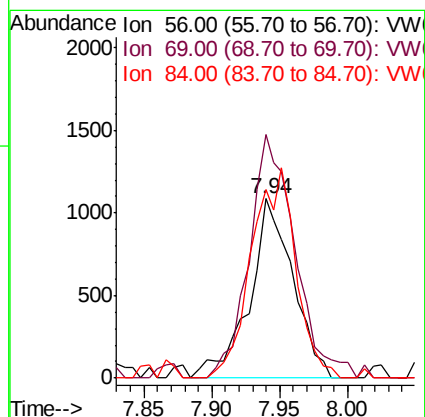
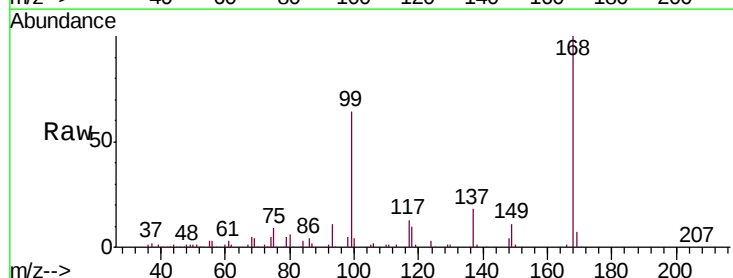
Instrument :
MSVOA_W
ClientSampleId :
P-1A

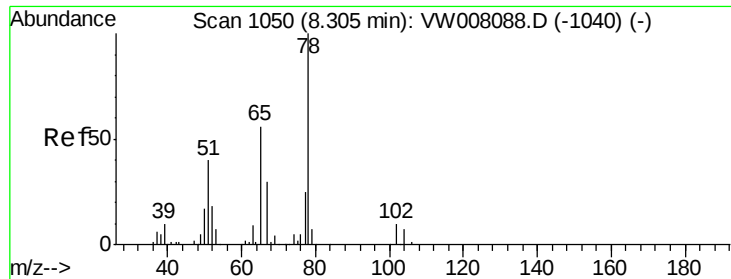
Tgt Ion: 42 Resp: 215
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 21.9 31.3 46.9#



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

Tgt Ion: 56 Resp: 2447
Ion Ratio Lower Upper
56 100
69 135.9 26.2 39.4#
84 105.2 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 59.745 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

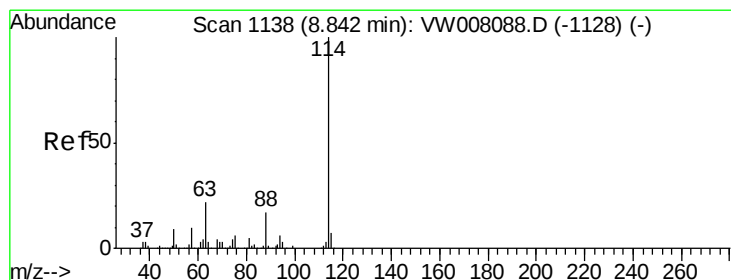
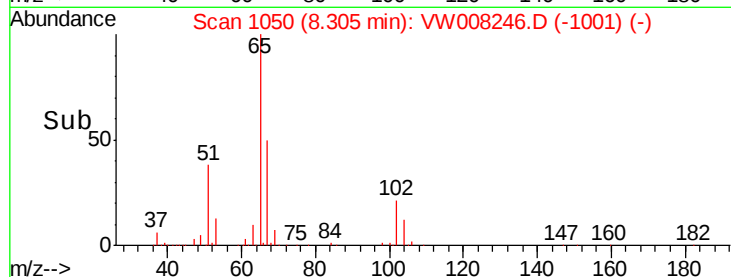
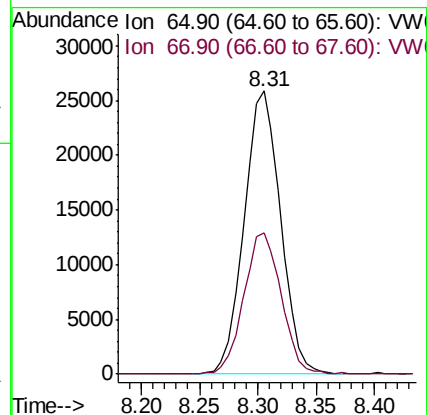
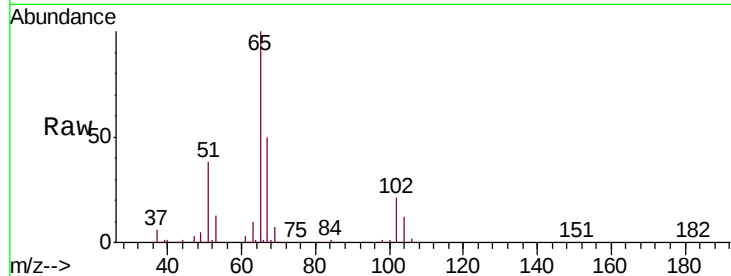
P-1A

Tgt Ion: 65 Resp: 56473

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

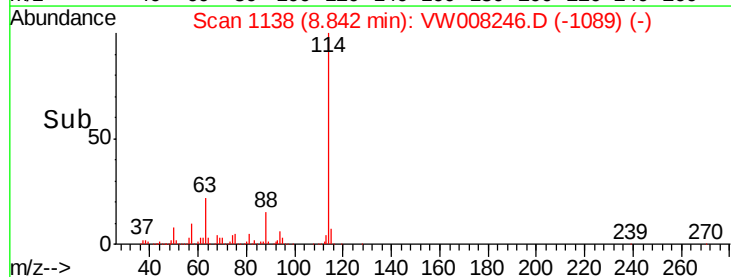
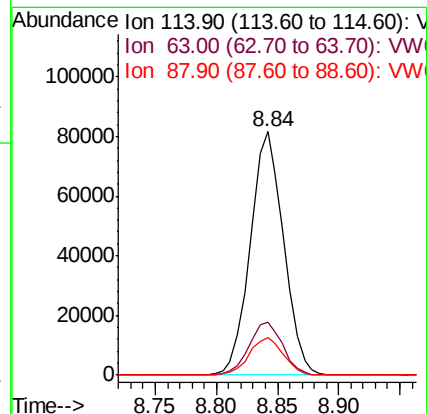
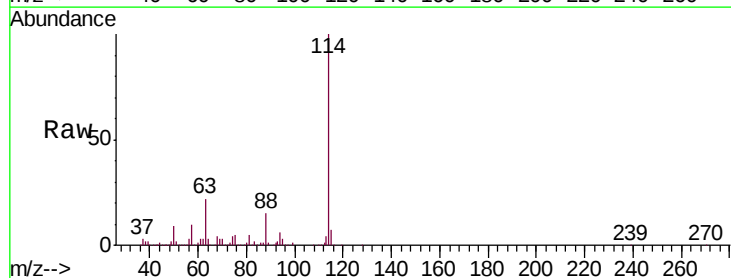
Tgt Ion: 114 Resp: 154775

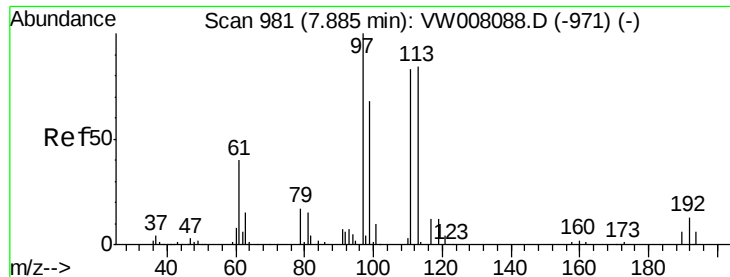
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 15.4 0.0 33.4

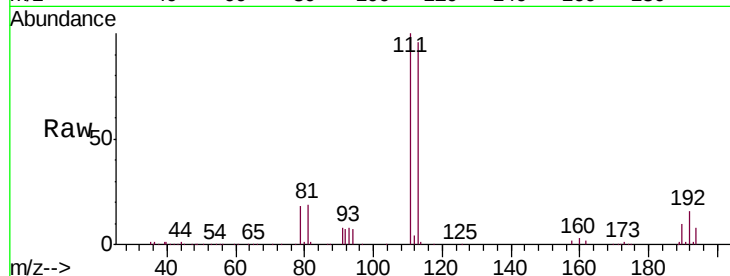




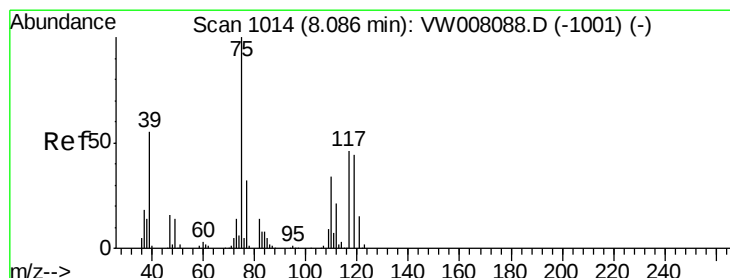
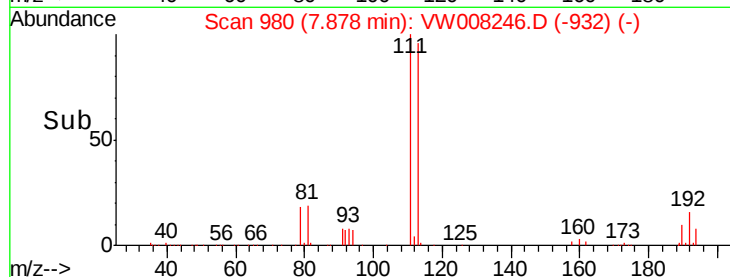
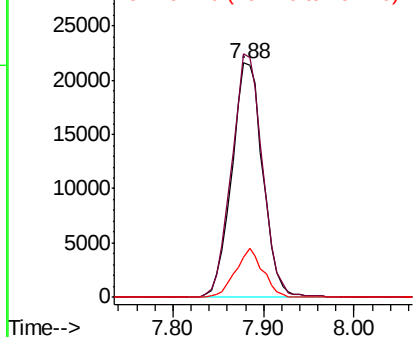
#35
 Dibromofluoromethane
 Concen: 56.683 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008246.D
 Acq: 14 Jan 2019 14:51

Instrument :
 MSVOA_W
 ClientSampleId :
 P-1A

Tgt Ion:113 Resp: 51168
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 18.6 12.8 19.2

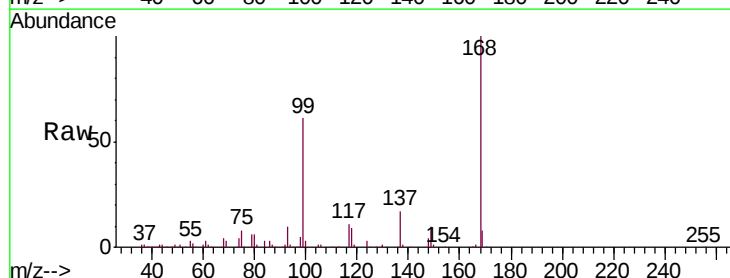


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

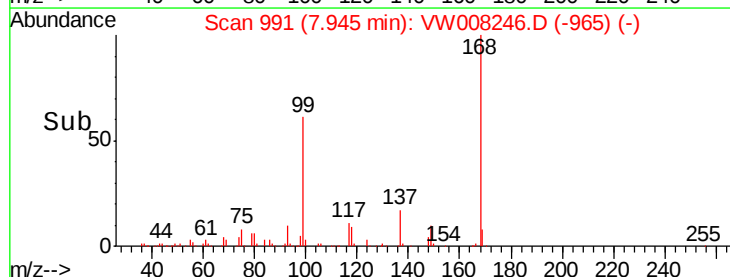
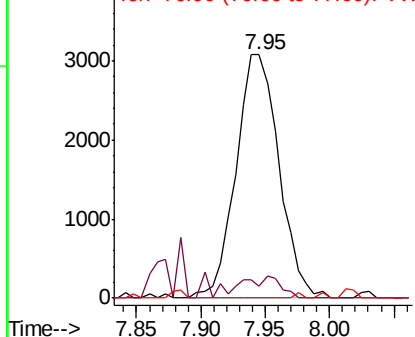


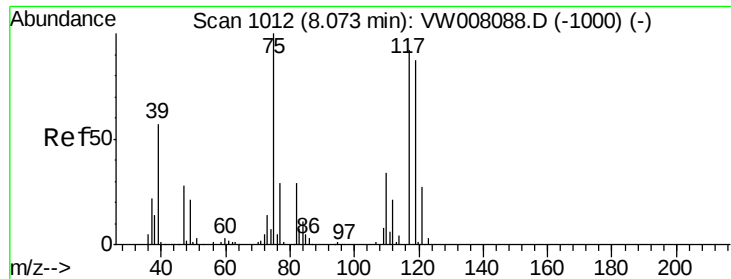
#36
 1,1-Dichloropropene
 Concen: 4.476 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008246.D
 Acq: 14 Jan 2019 14:51

Tgt Ion: 75 Resp: 7136
 Ion Ratio Lower Upper
 75 100
 110 2.9 17.1 51.3#
 77 0.0 25.5 38.3#



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

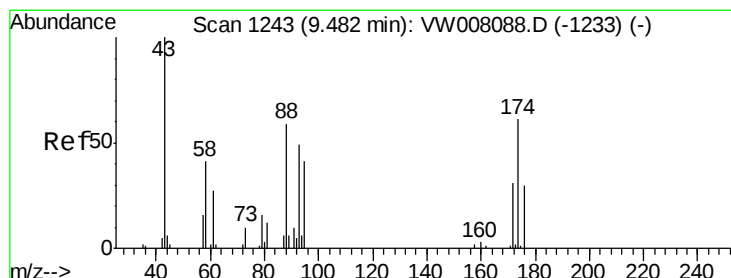
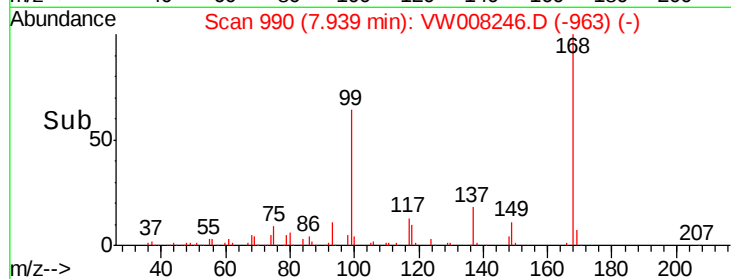
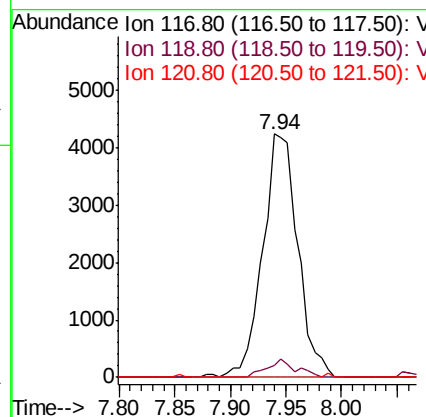
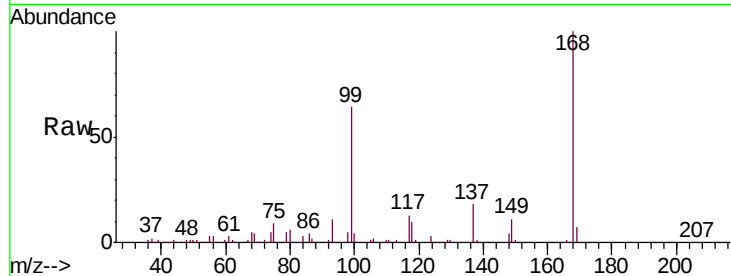




#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

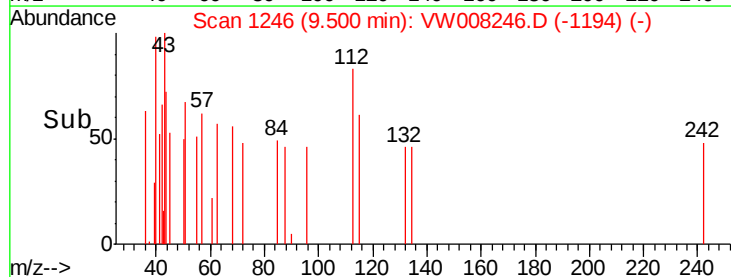
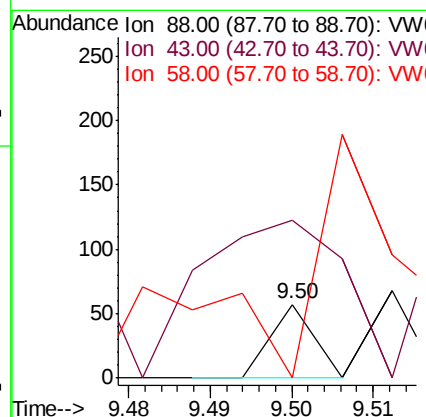
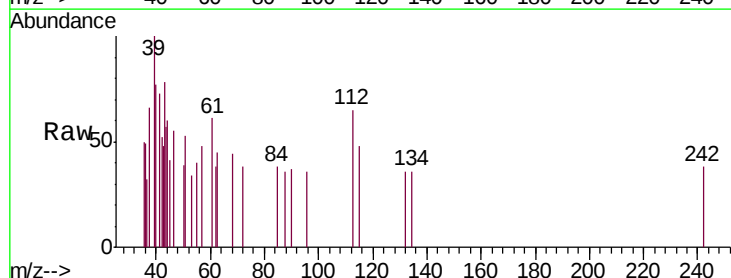
Instrument :
MSVOA_W
ClientSampled :
P-1A

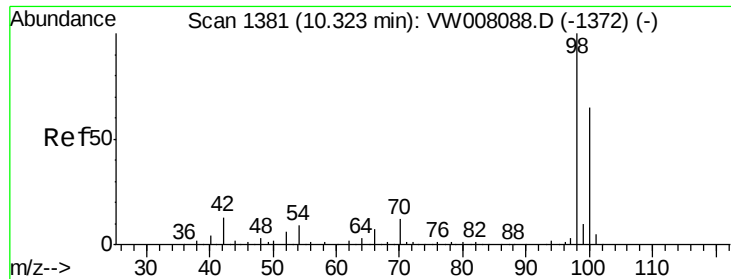
Tgt Ion: 117 Resp: 9351
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 2.480 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 714.3 0.0 0.0#
58 619.0 61.7 92.5#





#50

Toluene-d8

Concen: 53.865 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampled :

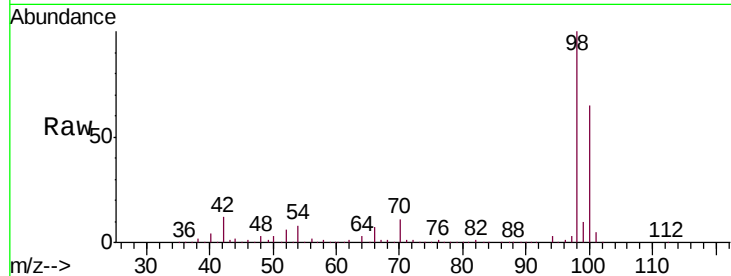
P-1A

Tgt Ion: 98 Resp: 204048

Ion Ratio Lower Upper

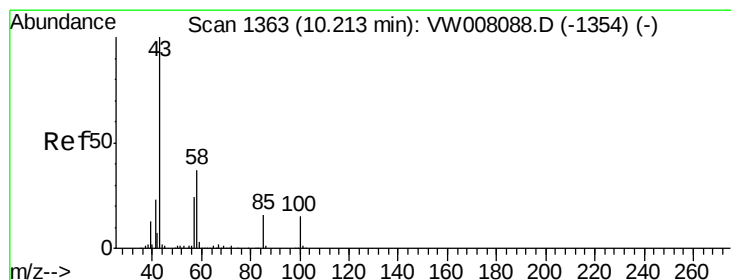
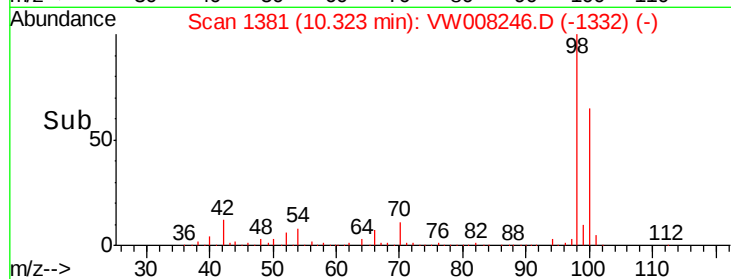
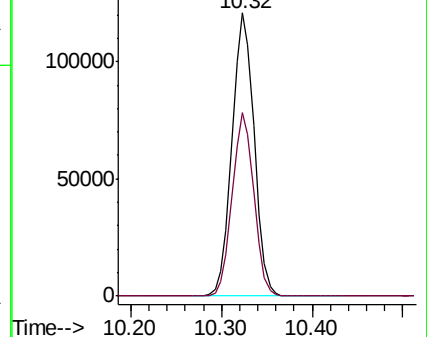
98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 10.20 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VW008246.D

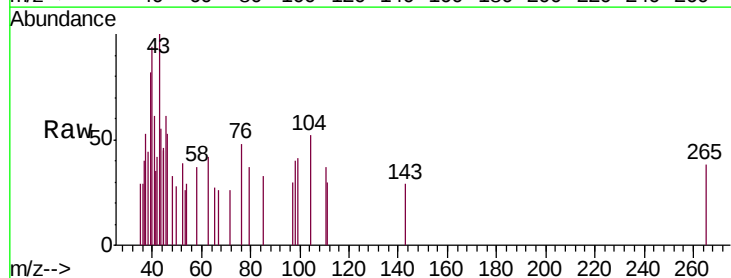
Acq: 14 Jan 2019 14:51

Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

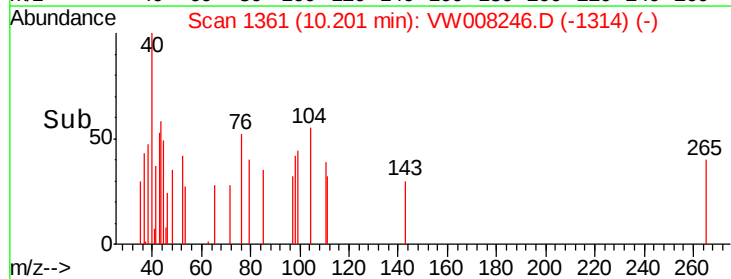
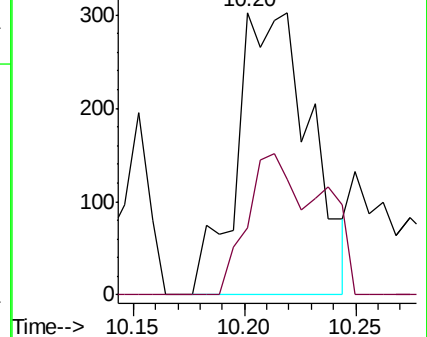
43 100

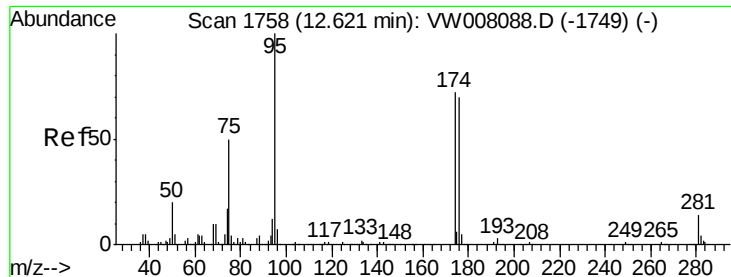
58 33.3 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

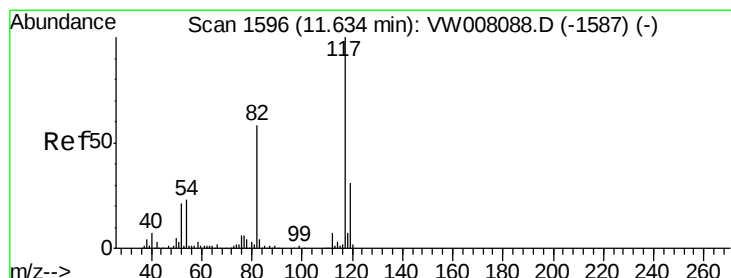
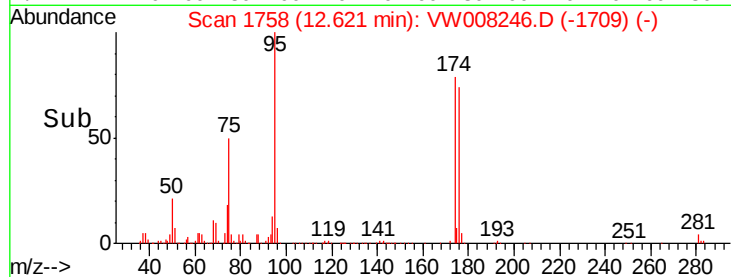
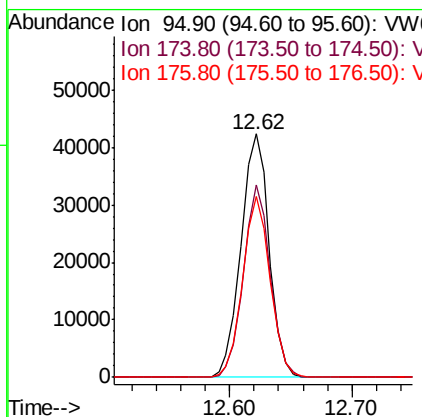
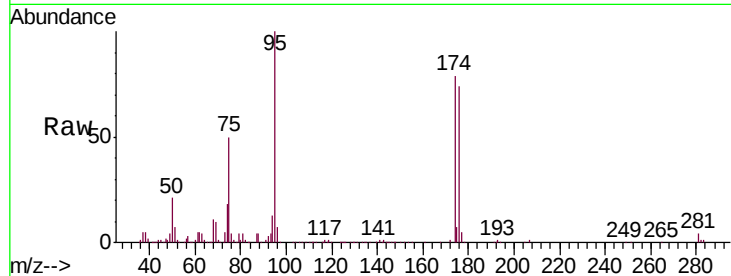




#62
4-Bromofluorobenzene
Concen: 49.595 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

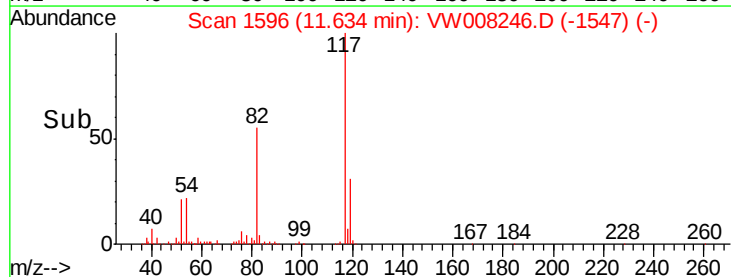
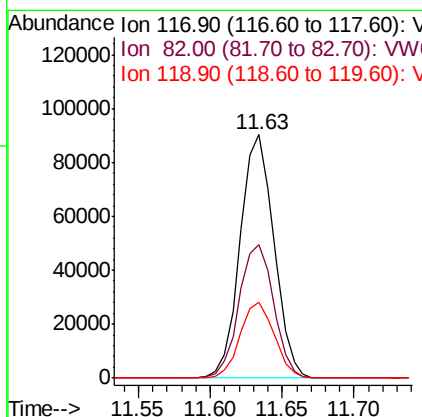
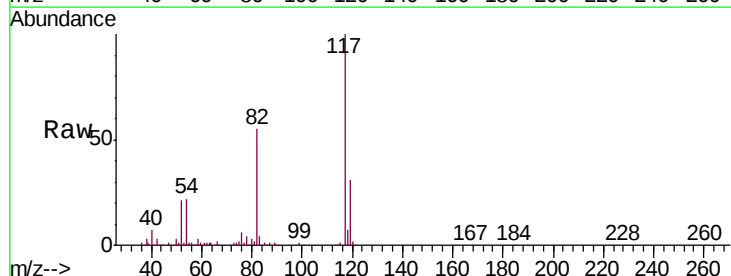
Instrument :
MSVOA_W
ClientSampled :
P-1A

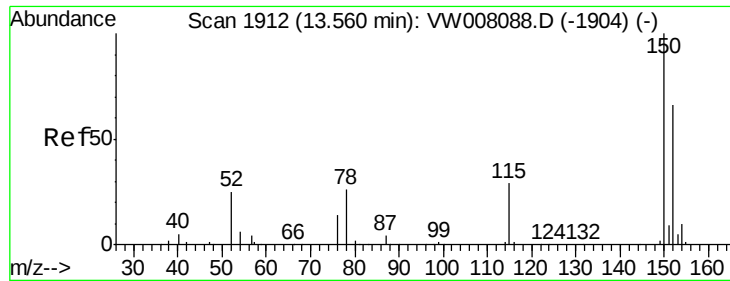
Tgt Ion: 95 Resp: 67352
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.0
176 72.8 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008246.D
Acq: 14 Jan 2019 14:51

Tgt Ion: 117 Resp: 147334
Ion Ratio Lower Upper
117 100
82 54.9 46.4 69.6
119 31.1 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

P-1A

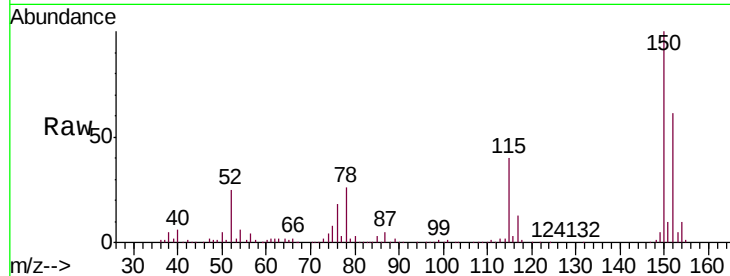
Tgt Ion:152 Resp: 67828

Ion Ratio Lower Upper

152 100

115 60.5 30.8 92.4

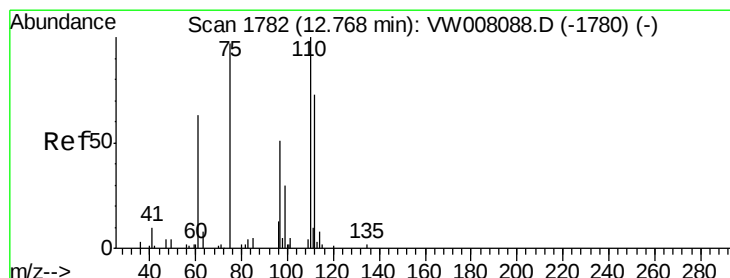
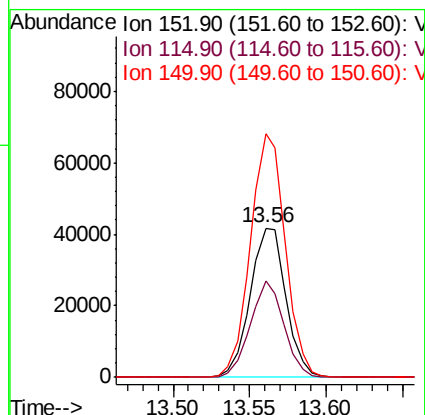
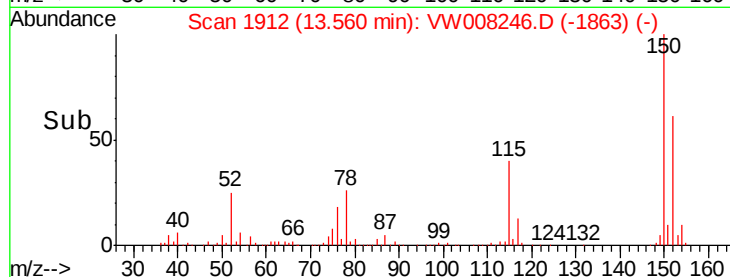
150 159.3 0.0 350.2



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: 55.217 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008246.D

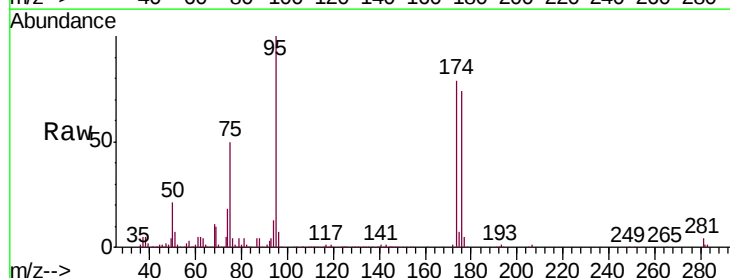
Acq: 14 Jan 2019 14:51

Tgt Ion: 75 Resp: 34142

Ion Ratio Lower Upper

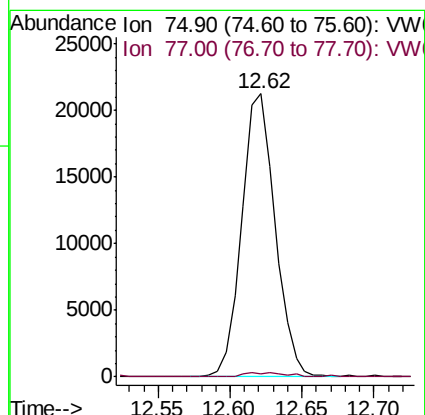
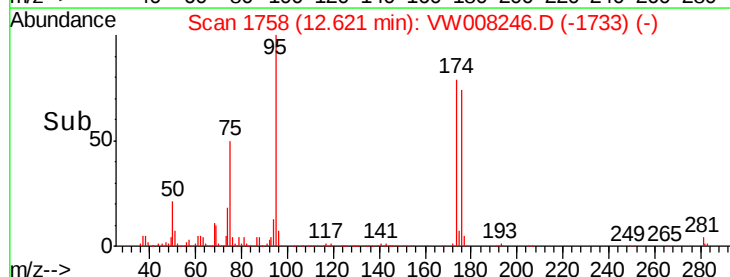
75 100

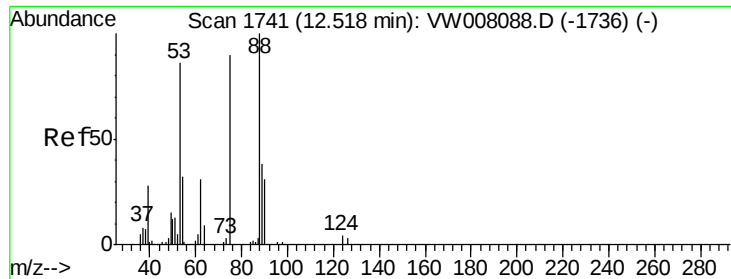
77 2.1 179.4 538.2#



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: 128.583 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008246.D

Acq: 14 Jan 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

P-1A

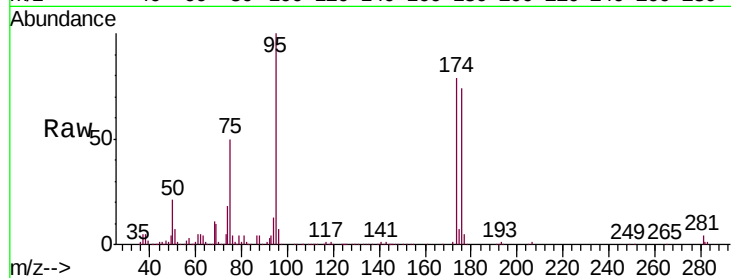
Tgt Ion: 75 Resp: 34142

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.1 35.4 53.2#



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

