

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008273.D
 Acq On : 15 Jan 2019 04:57
 Operator : SY/VA
 Sample : K1142-02RE
 Misc : 3.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-D9-E9-D9A-E9ARE

Quant Time: Jan 15 11:02:29 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	60677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51895	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	43302	63.50	ug/l	0.00
Spiked Amount			Recovery	=	127.00%	
35) Dibromofluoromethane	7.88	113	38368	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
50) Toluene-d8	10.32	98	161849	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.62	95	52753	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

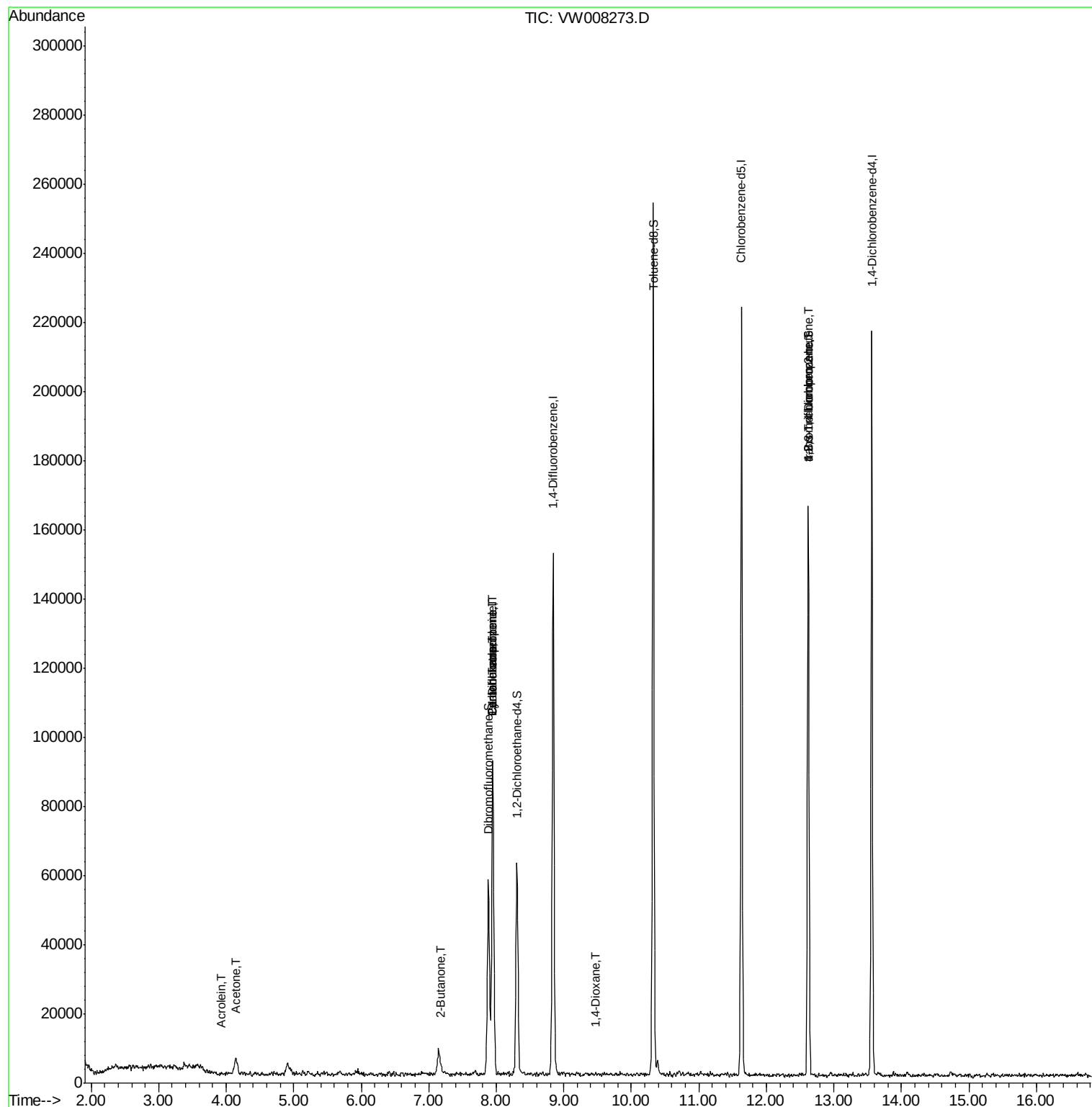
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	66	Below Cal	#	100
13) Acrolein	3.92	56	148	1.774	ug/l #	64
16) Acetone	4.14	43	10181	67.626	ug/l #	83
20) Methylene Chloride	4.92	84	2092	Below Cal	#	92
25) 2-Butanone	7.18	43	413	2.177	ug/l #	49
31) Cyclohexane	7.95	56	1953	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5974	4.868	ug/l #	52
38) Carbon Tetrachloride	7.95	117	6971	6.206	ug/l #	16
49) 1,4-Dioxane	9.47	88	127	19.483	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	27110	57.305	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	27110	133.447	ug/l #	11

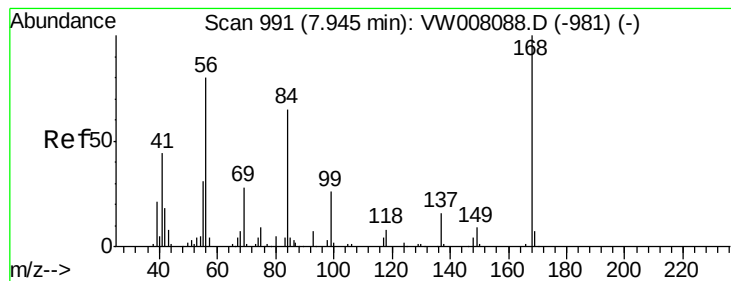
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
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QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

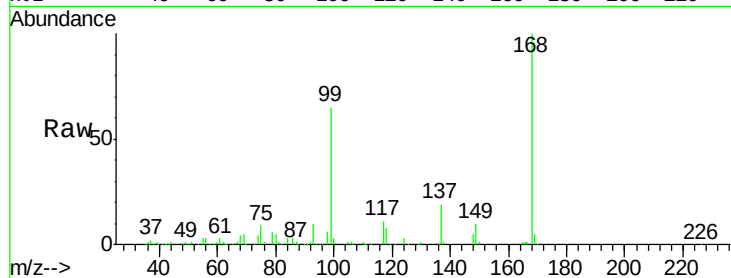
FK-BPM-01-D9-E9-D9A-E9ARE

Tgt Ion:168 Resp: 60677

Ion Ratio Lower Upper

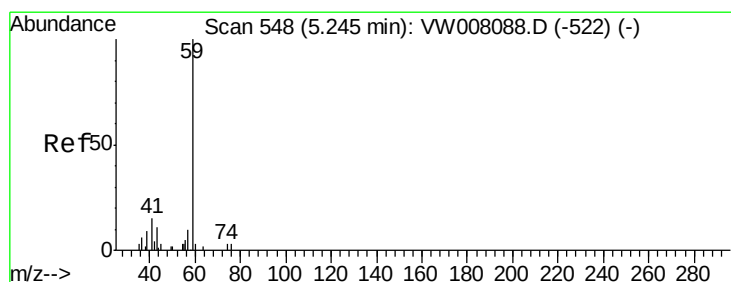
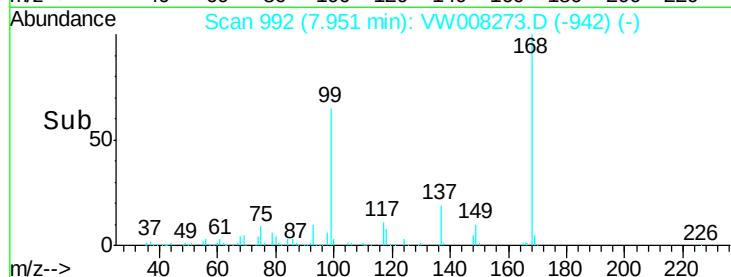
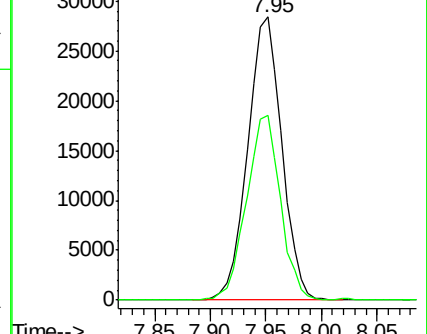
168 100

99 65.3 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: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008273.D

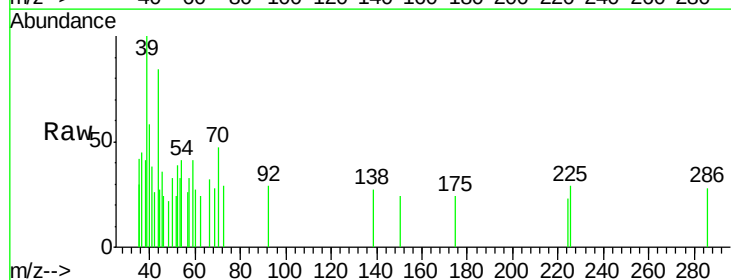
Acq: 15 Jan 2019 04:57

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

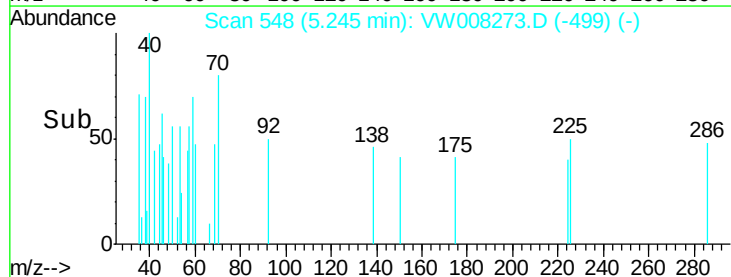
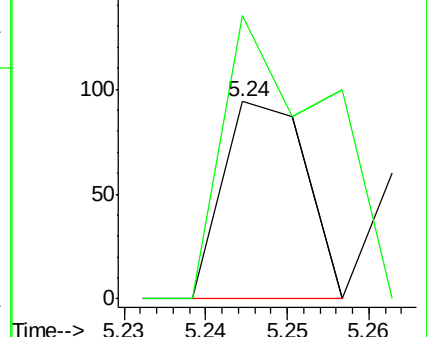
59 100

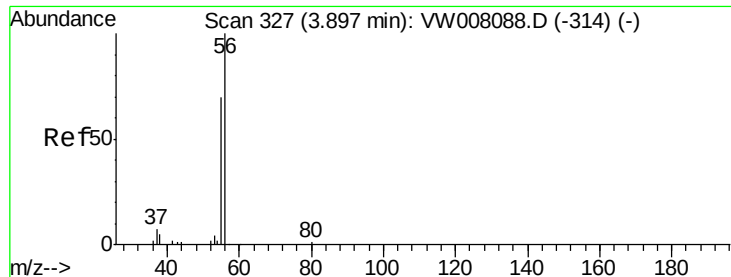
57 210.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.774 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

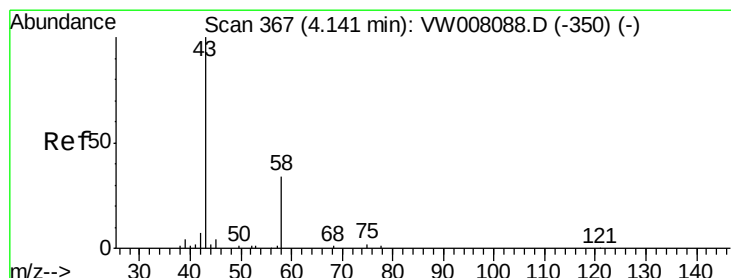
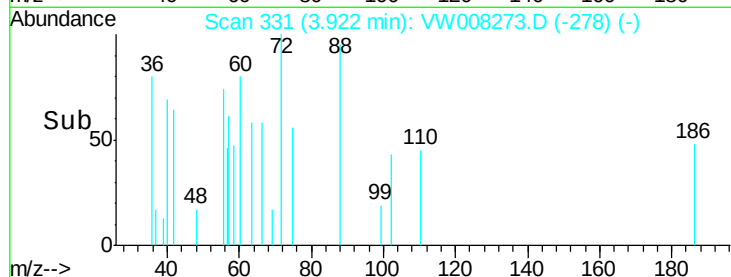
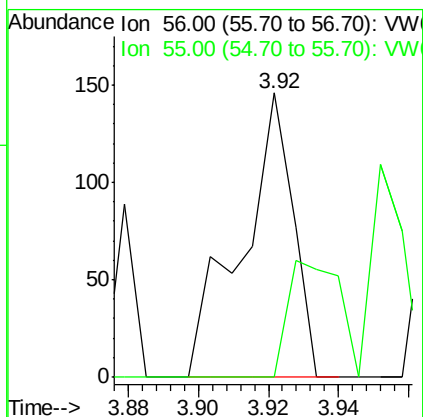
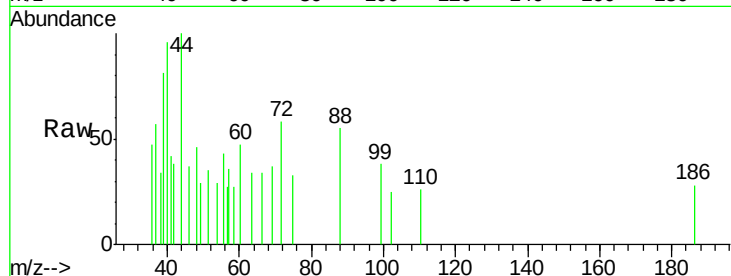
FK-BPM-01-D9-E9-D9A-E9ARE

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 41.2 56.6 84.8#



#16

Acetone

Concen: 67.626 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008273.D

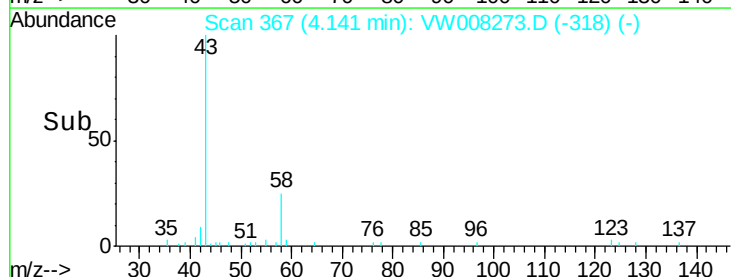
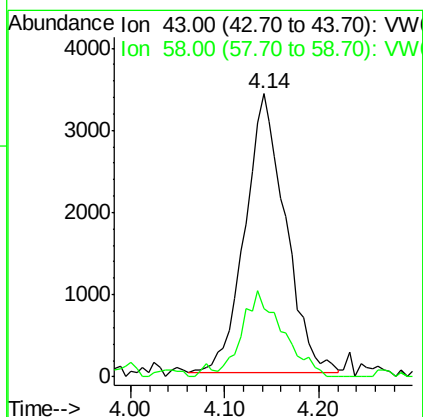
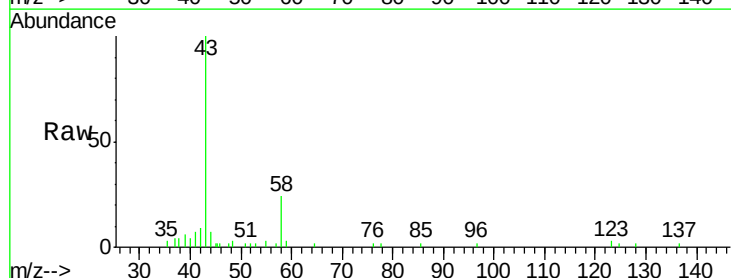
Acq: 15 Jan 2019 04:57

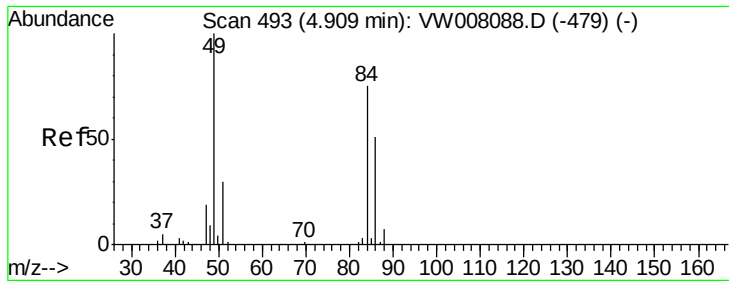
Tgt Ion: 43 Resp: 10181

Ion Ratio Lower Upper

43 100

58 24.5 27.5 41.3#

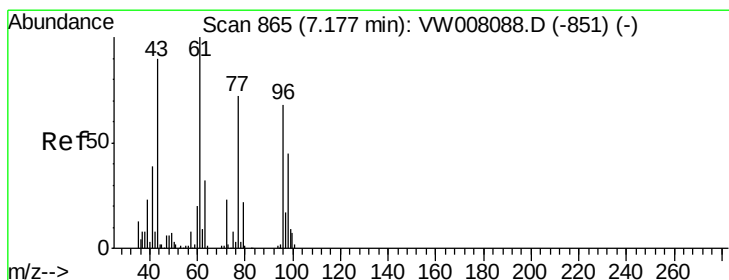
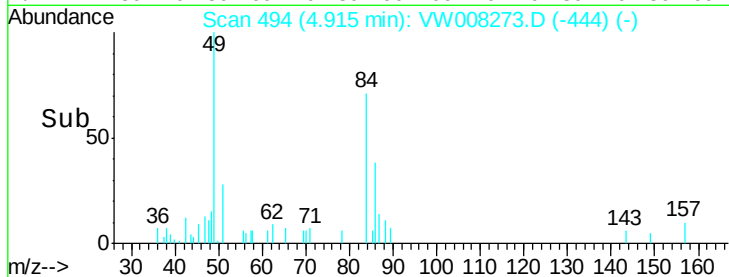
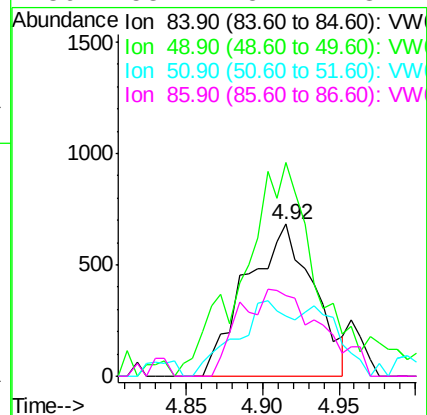
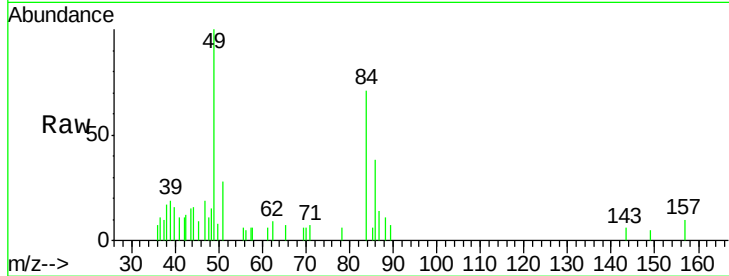




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008273.D
Acq: 15 Jan 2019 04:57

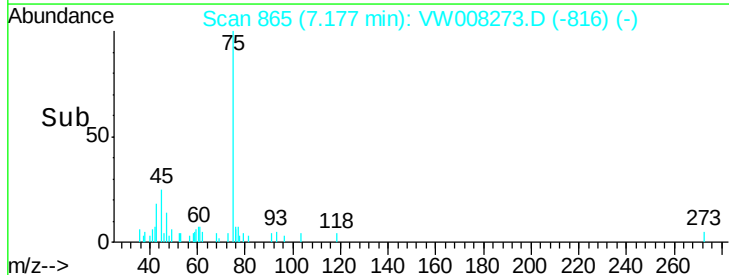
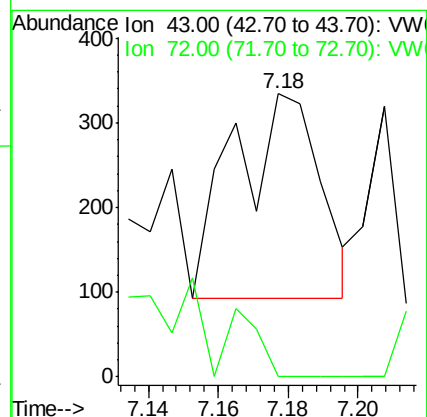
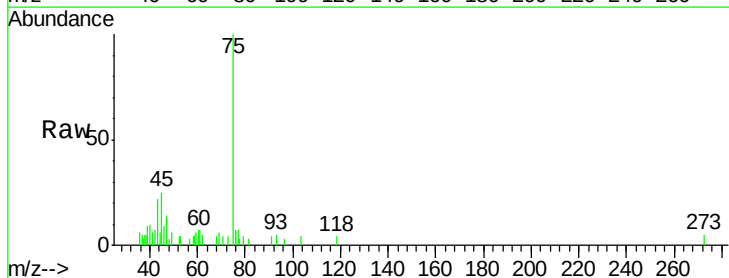
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-D9-E9-D9A-E9ARE

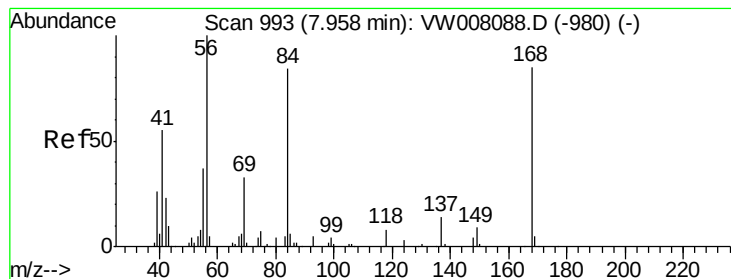
Tgt Ion: 84 Resp: 2092
Ion Ratio Lower Upper
84 100
49 129.0 107.1 160.7
51 39.4 32.4 48.6
86 53.4 54.2 81.4#



#25
2-Butanone
Concen: 2.177 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW008273.D
Acq: 15 Jan 2019 04:57

Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-D9-E9-D9A-E9ARE

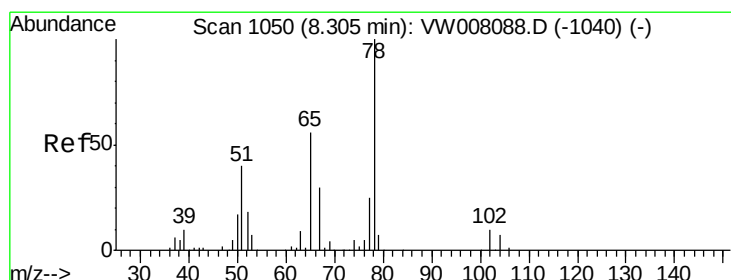
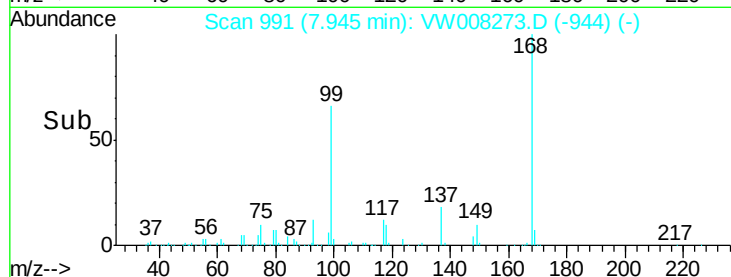
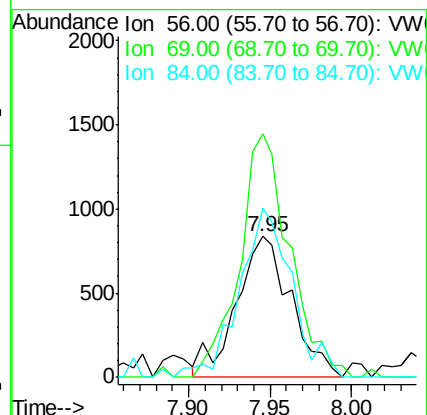
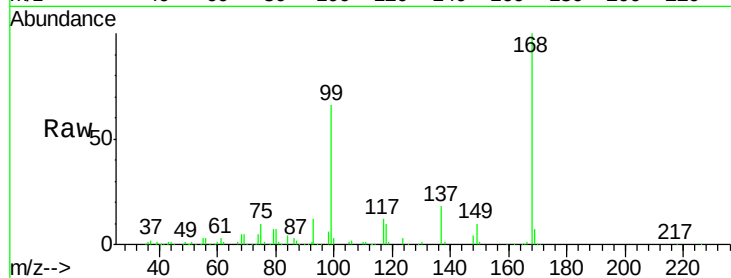
Tgt Ion: 56 Resp: 1953

Ion Ratio Lower Upper

56 100

69 187.0 26.2 39.4#

84 129.7 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 63.497 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008273.D

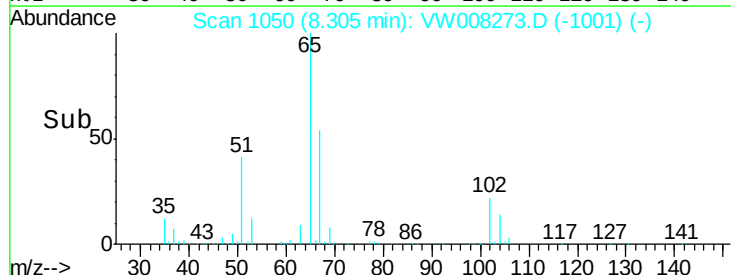
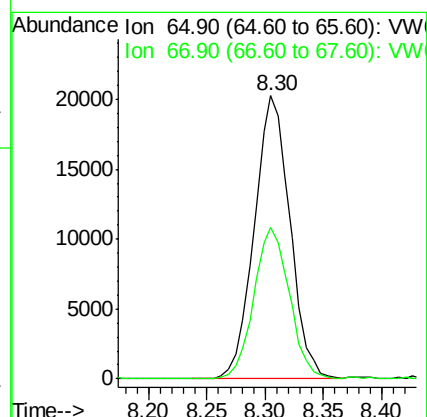
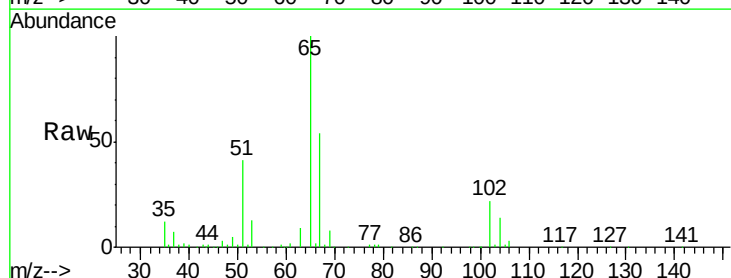
Acq: 15 Jan 2019 04:57

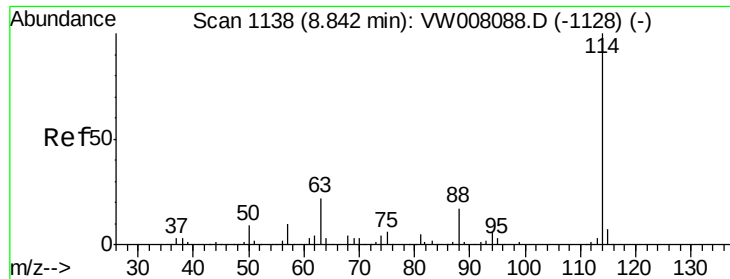
Tgt Ion: 65 Resp: 43302

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8

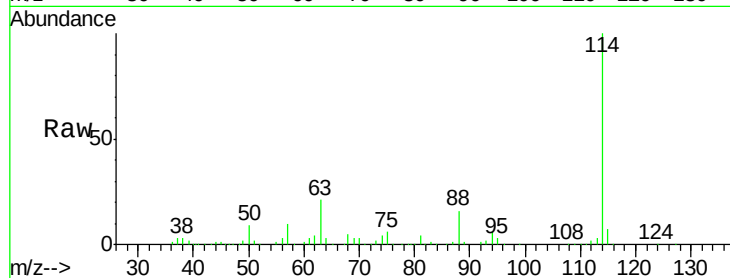




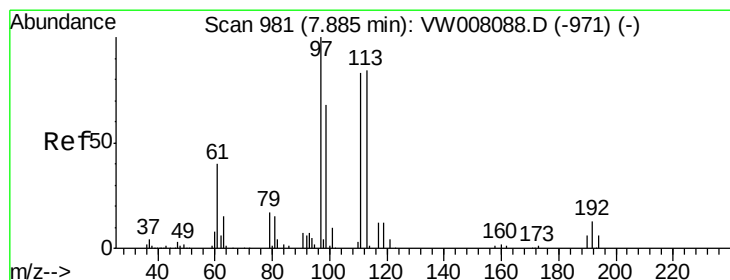
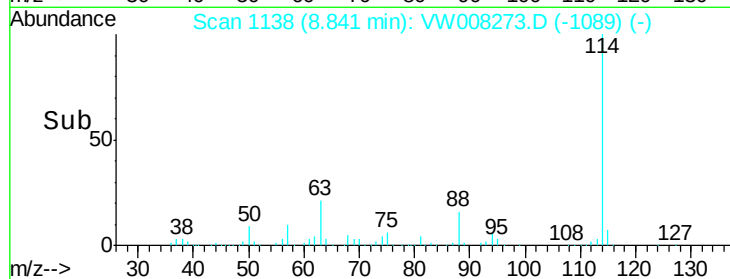
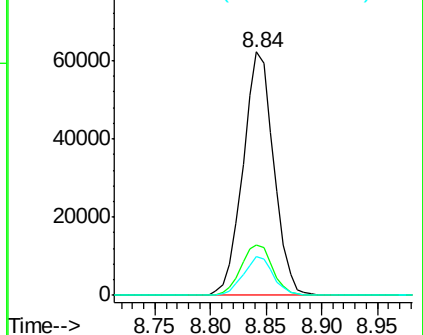
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008273.D
 Acq: 15 Jan 2019 04:57

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-D9-E9-D9A-E9ARE

Tgt Ion:114 Resp: 119135
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.4
 88 15.8 0.0 33.4

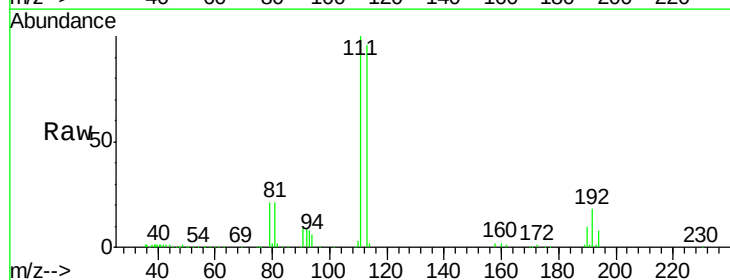


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

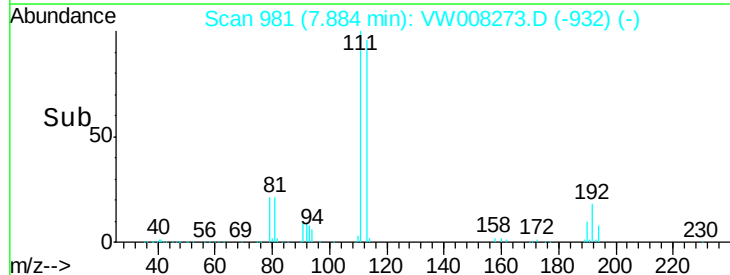
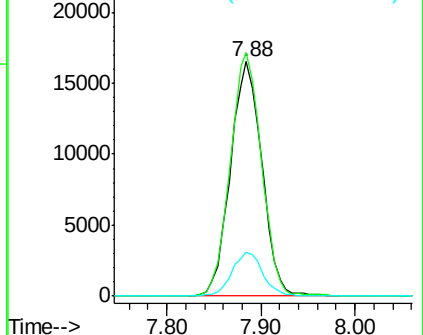


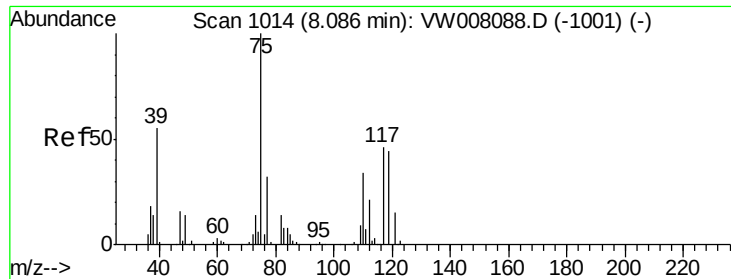
#35
 Dibromofluoromethane
 Concen: 55.218 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008273.D
 Acq: 15 Jan 2019 04:57

Tgt Ion:113 Resp: 38368
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 18.0 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

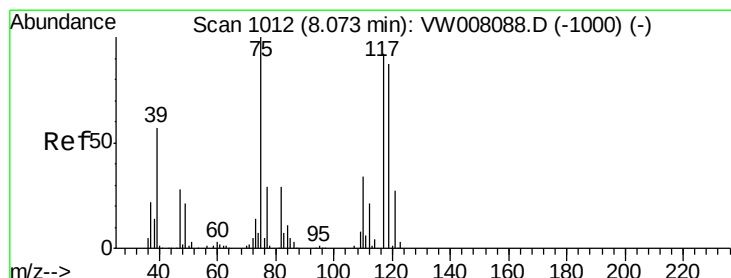
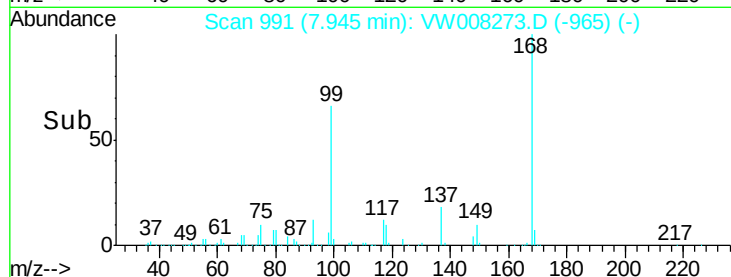
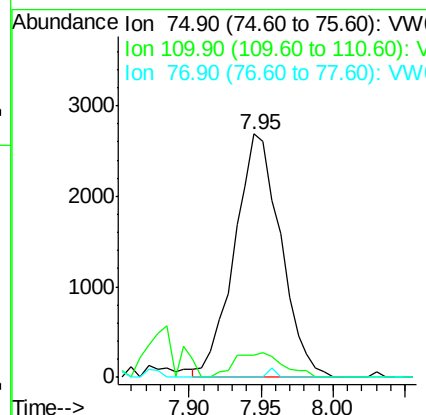
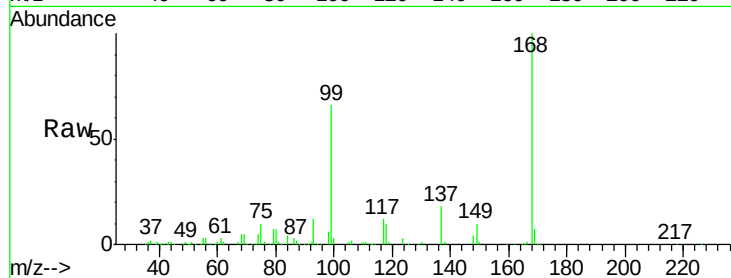




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008273.D
 Acq: 15 Jan 2019 04:57

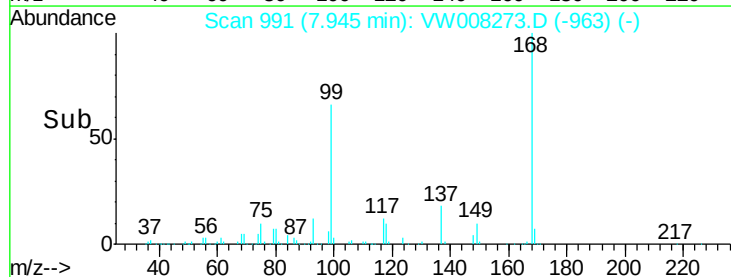
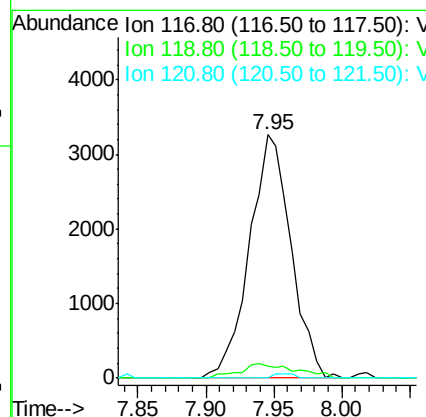
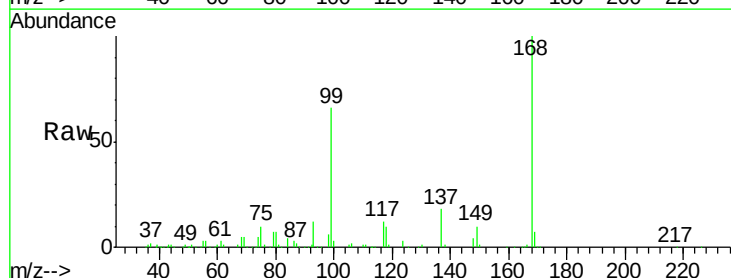
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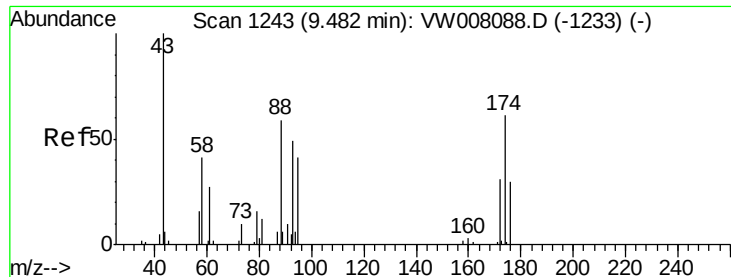
Tgt Ion: 75 Resp: 5974
 Ion Ratio Lower Upper
 75 100
 110 10.9 17.1 51.3#
 77 0.6 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.206 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008273.D
 Acq: 15 Jan 2019 04:57

Tgt Ion: 117 Resp: 6971
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 19.483 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-D9-E9-D9A-E9ARE

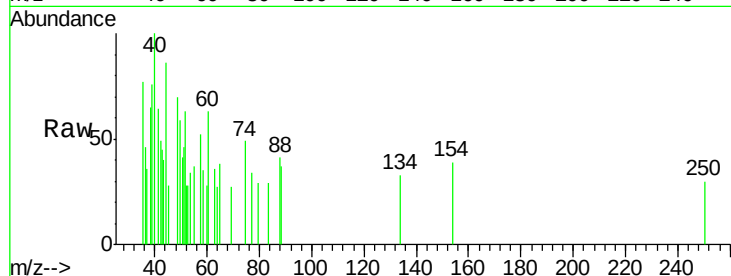
Tgt Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 102.4 0.0 0.0#

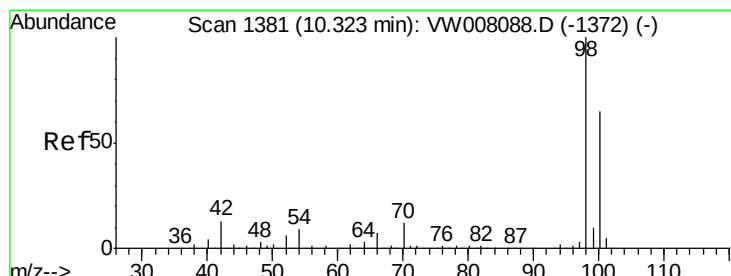
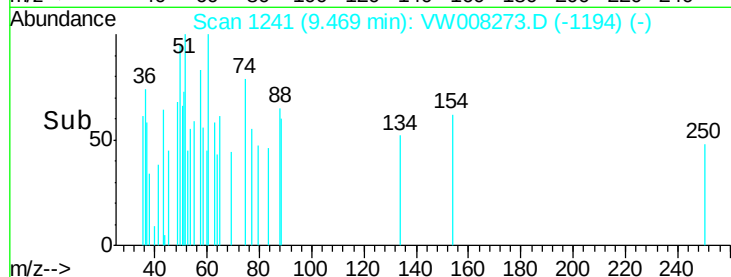
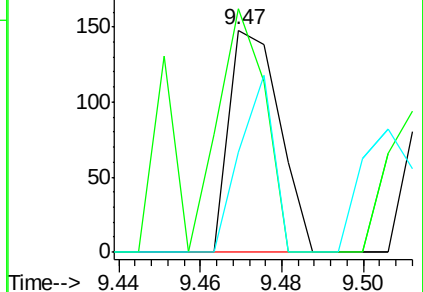
58 53.5 61.7 92.5#



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: 55.507 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008273.D

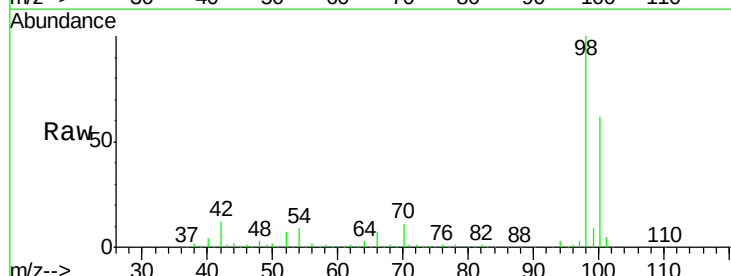
Acq: 15 Jan 2019 04:57

Tgt Ion: 98 Resp: 161849

Ion Ratio Lower Upper

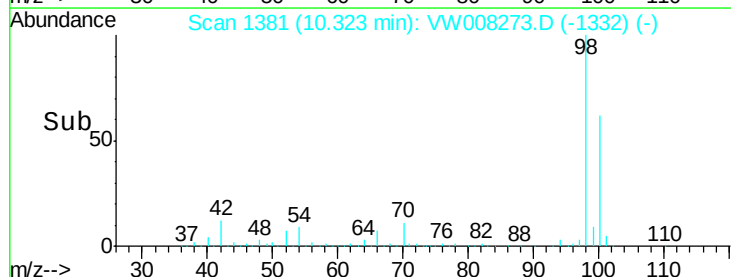
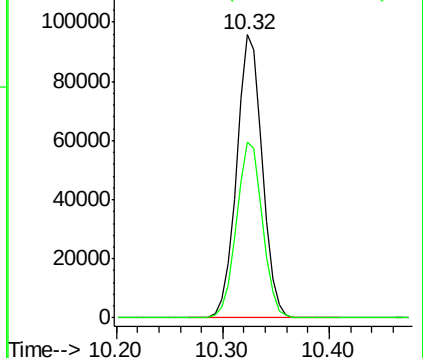
98 100

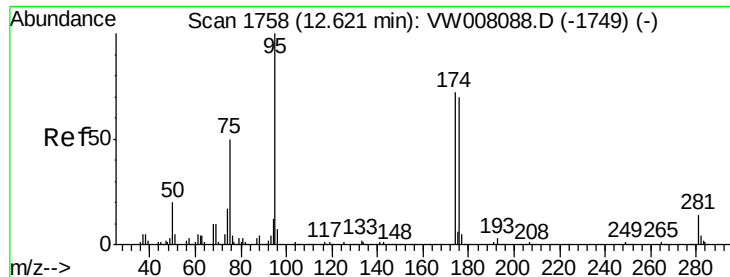
100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.466 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-D9-E9-D9A-E9ARE

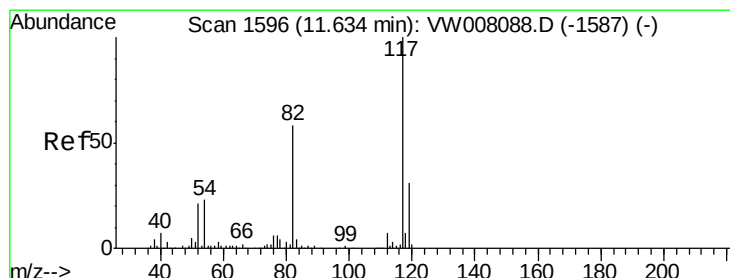
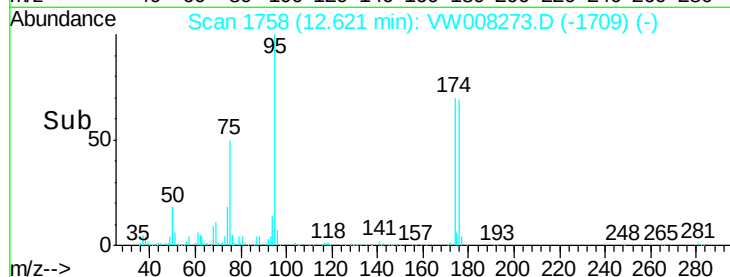
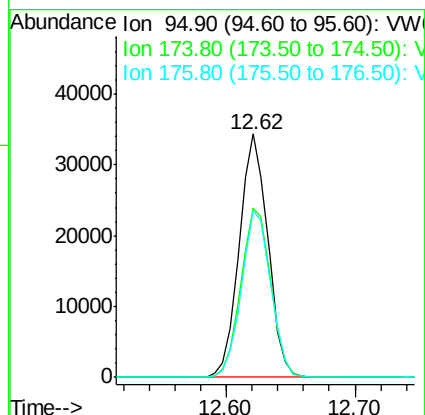
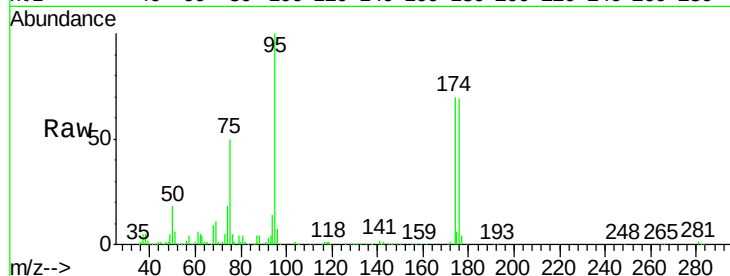
Tgt Ion: 95 Resp: 52753

Ion Ratio Lower Upper

95 100

174 72.8 0.0 143.0

176 70.2 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: VW008273.D

Acq: 15 Jan 2019 04:57

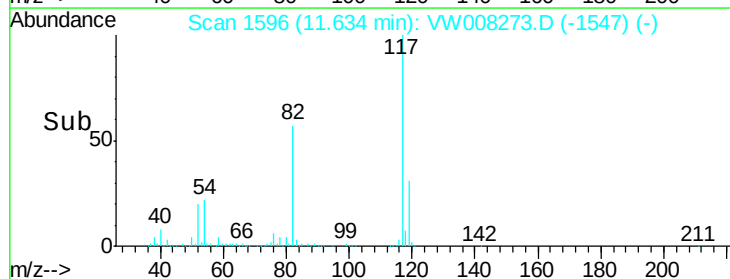
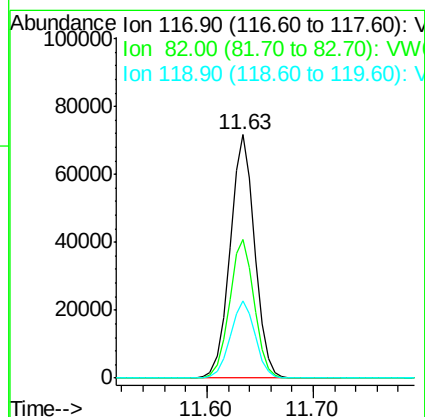
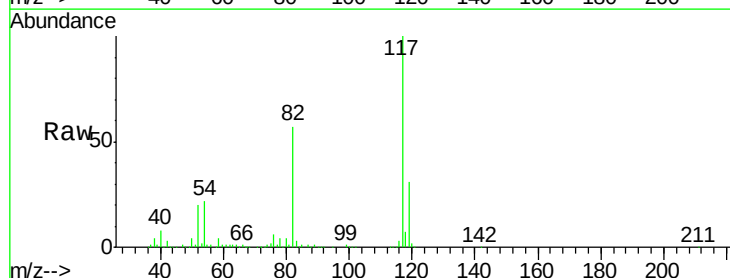
Tgt Ion: 117 Resp: 115682

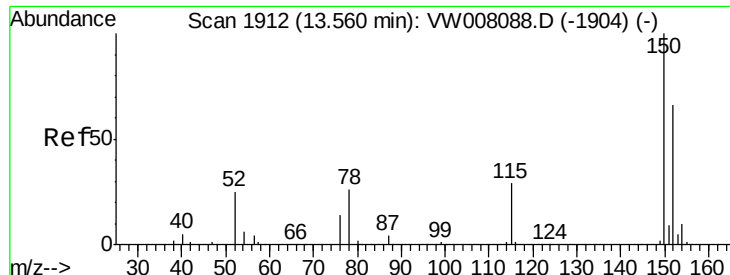
Ion Ratio Lower Upper

117 100

82 57.0 46.4 69.6

119 31.5 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: VW008273.D

Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-D9-E9-D9A-E9ARE

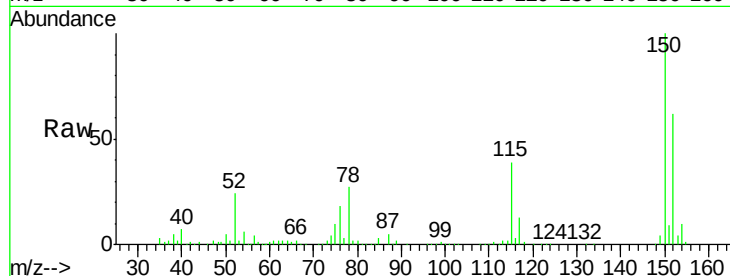
Tgt Ion:152 Resp: 51895

Ion Ratio Lower Upper

152 100

115 61.6 30.8 92.4

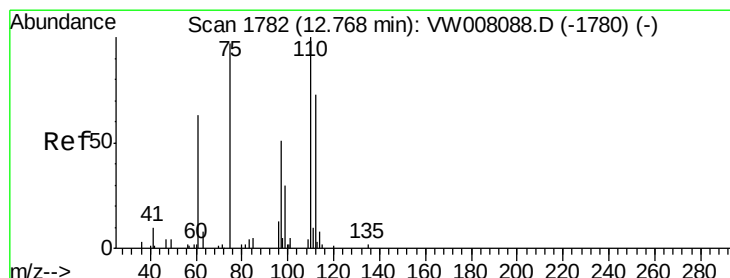
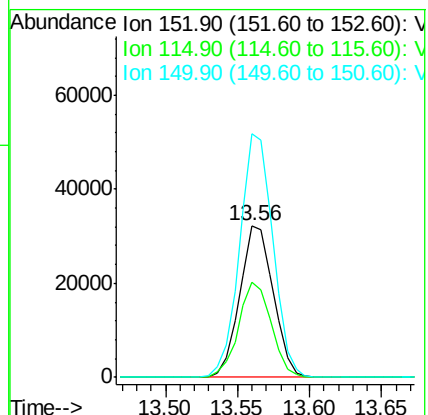
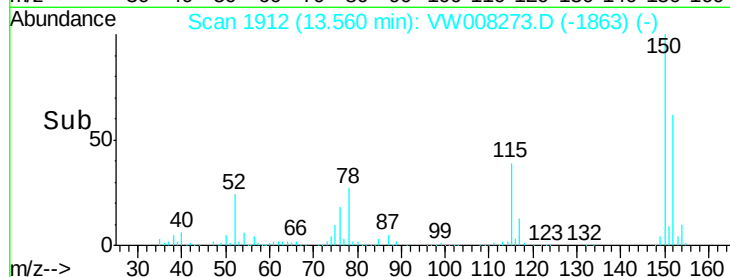
150 159.9 0.0 350.2



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: 57.305 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008273.D

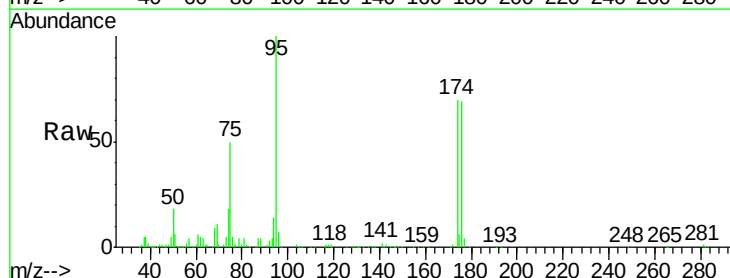
Acq: 15 Jan 2019 04:57

Tgt Ion: 75 Resp: 27110

Ion Ratio Lower Upper

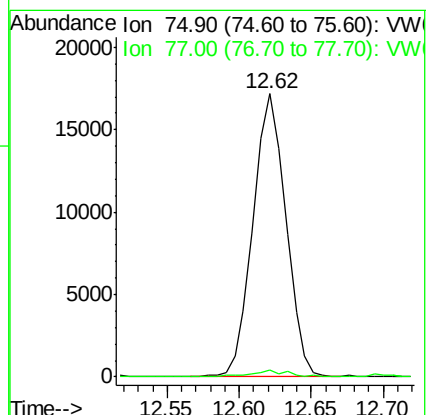
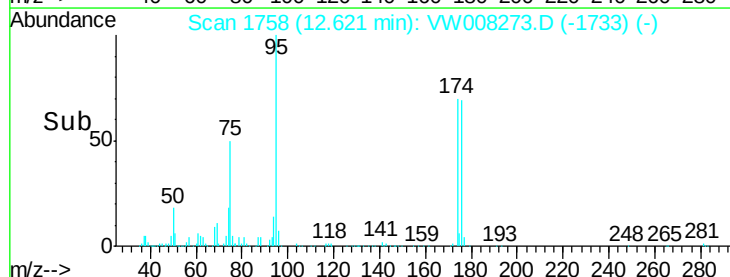
75 100

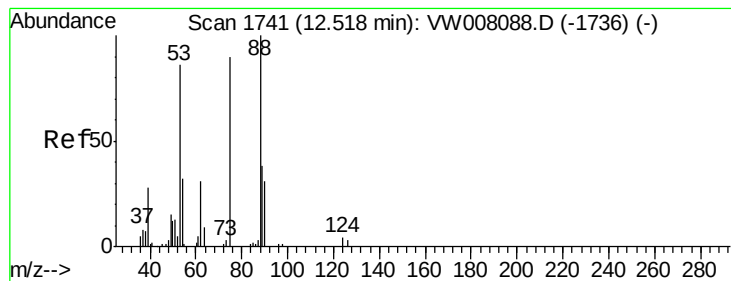
77 2.4 179.4 538.2#



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: 133.447 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008273.D

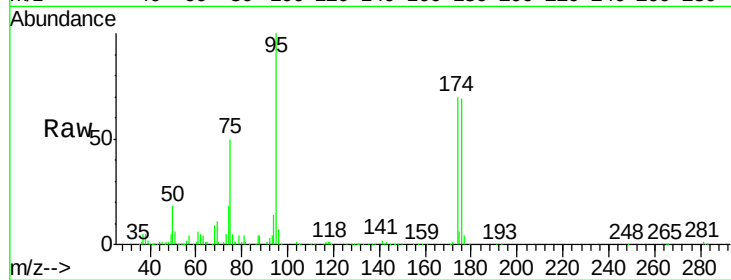
Acq: 15 Jan 2019 04:57

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-D9-E9-D9A-E9ARE



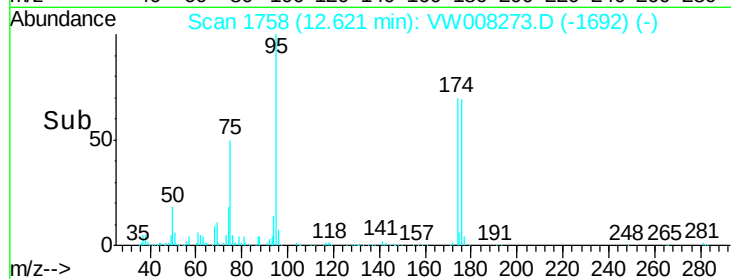
Tgt Ion: 75 Resp: 27110

Ion Ratio Lower Upper

75 100

53 0.7 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

