

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009081.D
 Acq On : 11 Mar 2019 12:51
 Operator : SY/VA
 Sample : K1808-02RE
 Misc : 4.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

Quant Time: Mar 12 08:10:35 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	317484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206572	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	185528	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	7.88	113	149468	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.32	98	599363	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.62	95	201350	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	

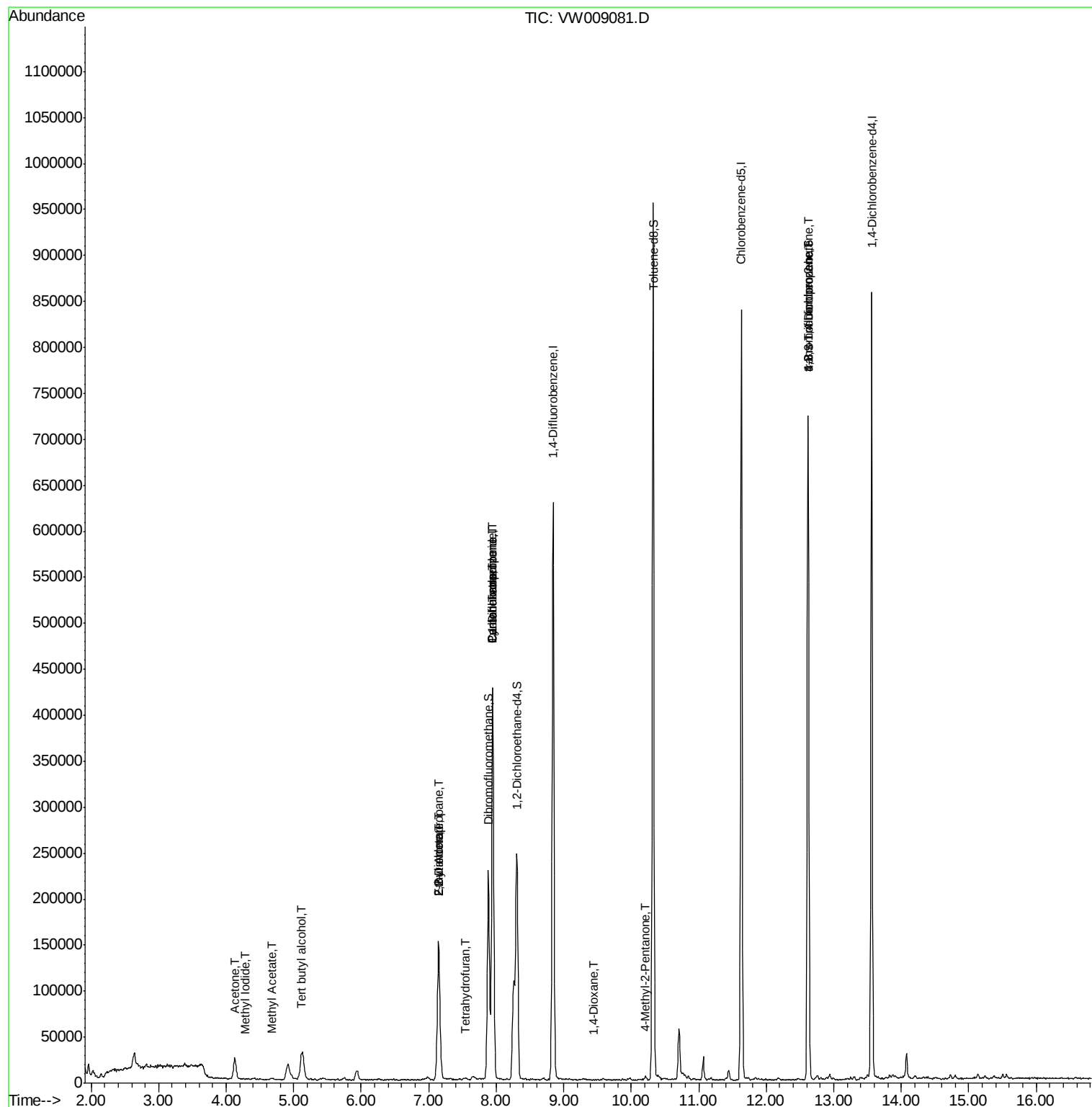
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	64	3.204	ug/l #	86
11) Tert butyl alcohol	5.12	59	28452	116.239	ug/l #	78
16) Acetone	4.13	43	41744	57.914	ug/l	98
18) Methyl Acetate	4.68	43	2385	1.439	ug/l #	88
20) Methylene Chloride	4.90	84	12979	Below Cal		89
25) 2-Butanone	7.15	43	10165	10.204	ug/l #	78
26) 2,2-Dichloropropane	7.14	77	10127	1.920	ug/l #	54
29) Tetrahydrofuran	7.53	42	1397	2.225	ug/l #	82
31) Cyclohexane	7.95	56	7808	1.311	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	25031	4.787	ug/l #	52
37) Ethyl Acetate	7.15	43	10165	4.138	ug/l #	1
38) Carbon Tetrachloride	7.95	117	31379	5.810	ug/l #	17
49) 1,4-Dioxane	9.45	88	31	1.134	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3216	1.385	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	110699	67.827	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	110699	151.710	ug/l #	5

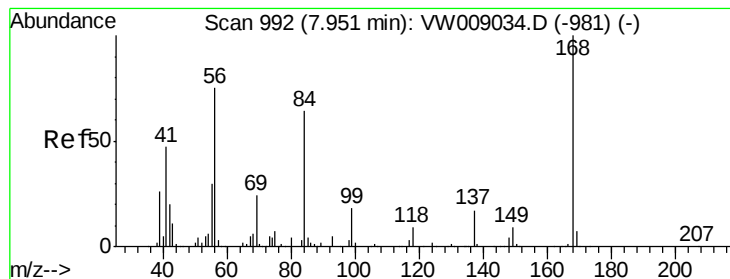
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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Quant Title : SW846 8260
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# 991

Delta R.T. -0.01 min

Lab File: VW009081.D

Acq: 11 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

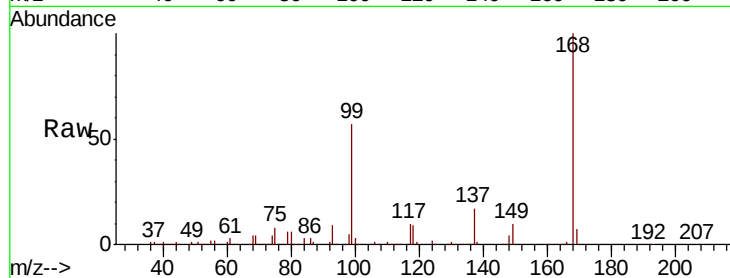
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Tgt Ion:168 Resp: 317484

Ion Ratio Lower Upper

168 100

99 57.4 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

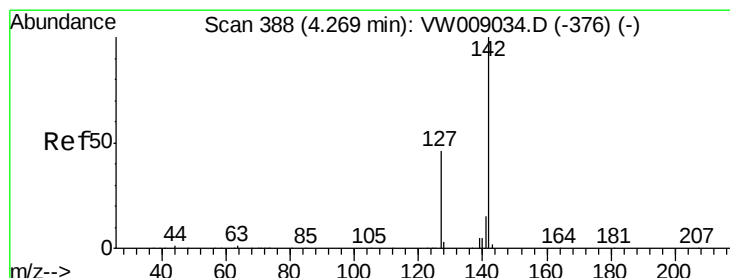
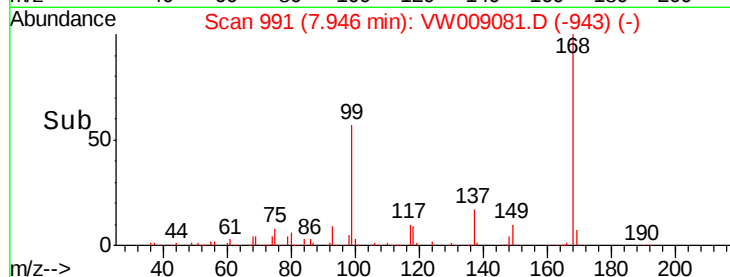
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.204 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009081.D

Acq: 11 Mar 2019 12:51

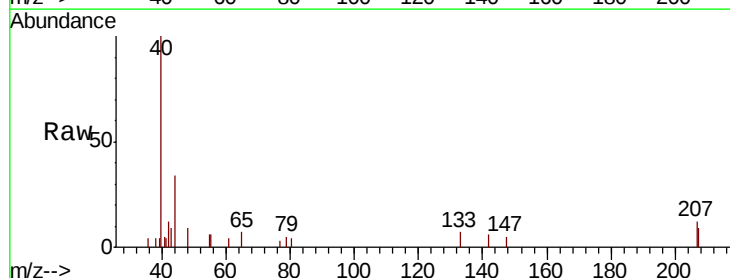
Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 40.6 35.8 53.6

141 0.0 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

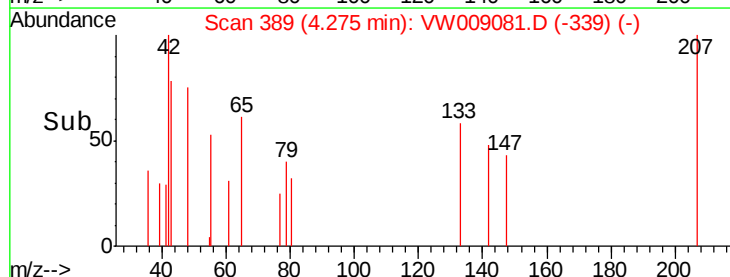
4.28

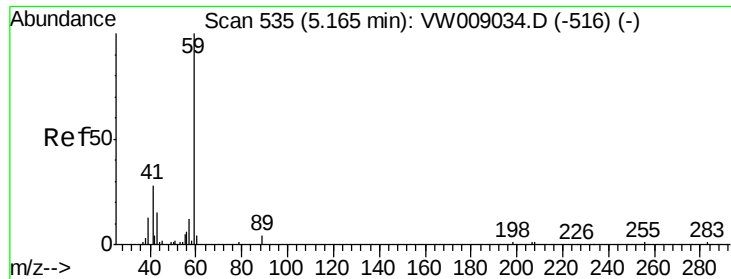
100

50

0

Time--> 4.26 4.28 4.30



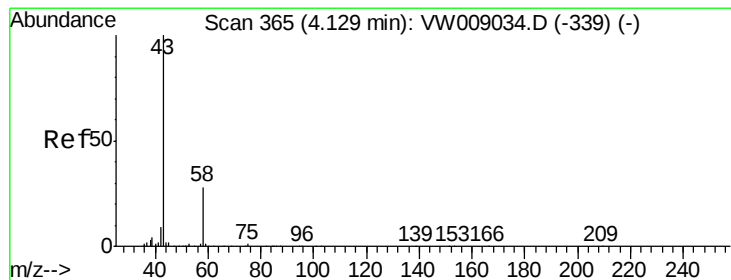
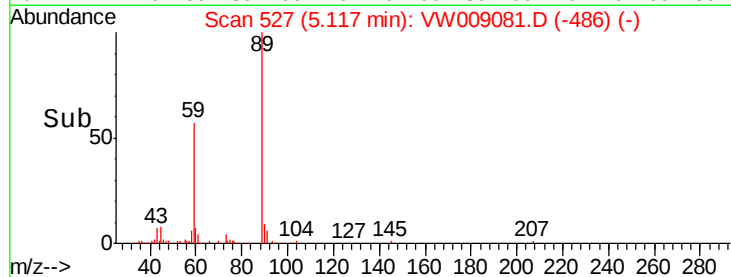
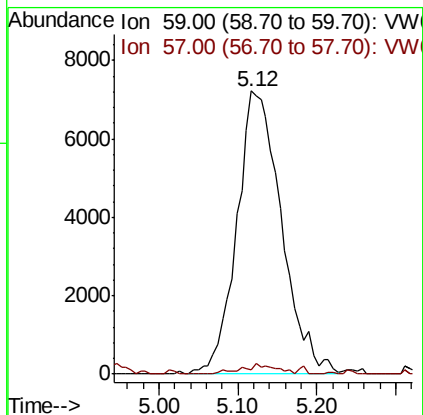
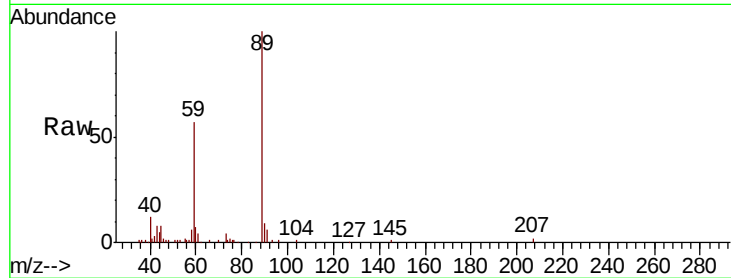


#11

Tert butyl alcohol
 Concen: 116.239 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.05 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

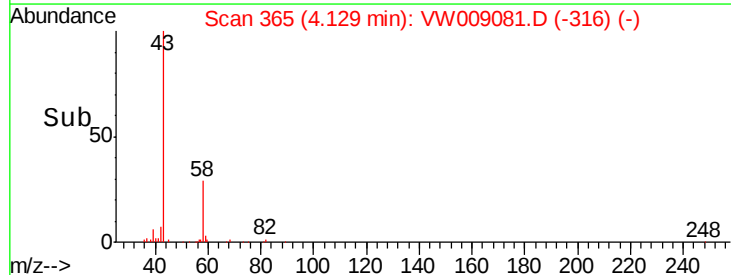
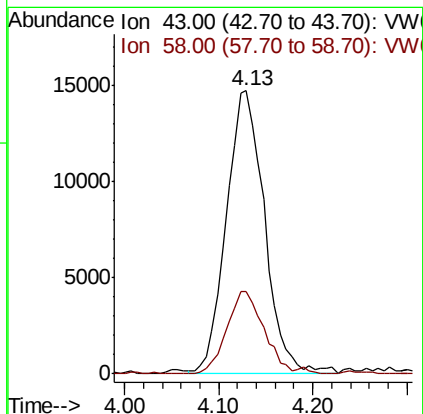
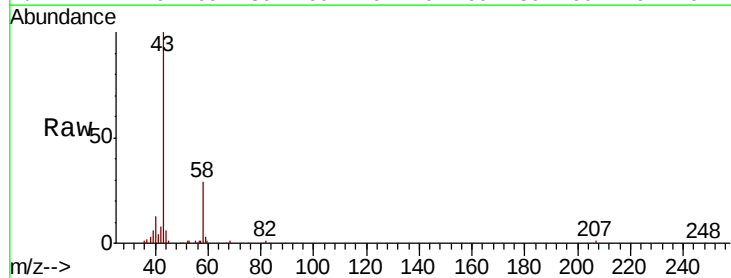
Tgt Ion: 59 Resp: 28452
 Ion Ratio Lower Upper
 59 100
 57 2.4 8.6 12.8#

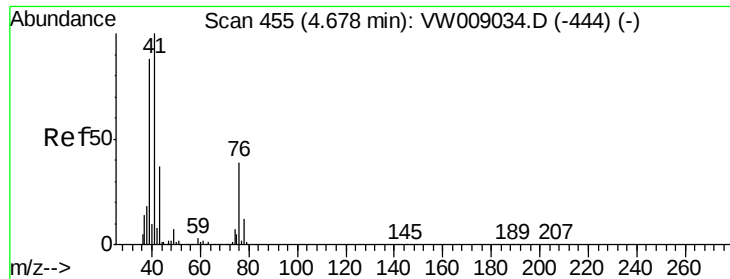


#16

Acetone
 Concen: 57.914 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Tgt Ion: 43 Resp: 41744
 Ion Ratio Lower Upper
 43 100
 58 28.9 22.5 33.7

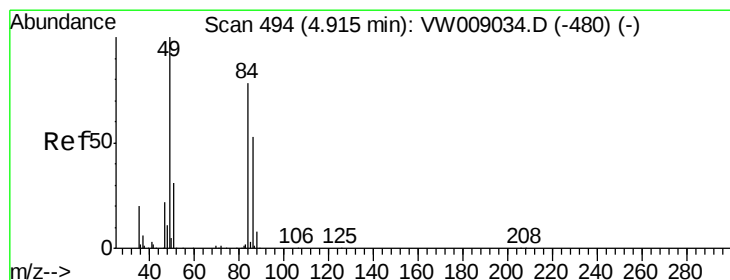
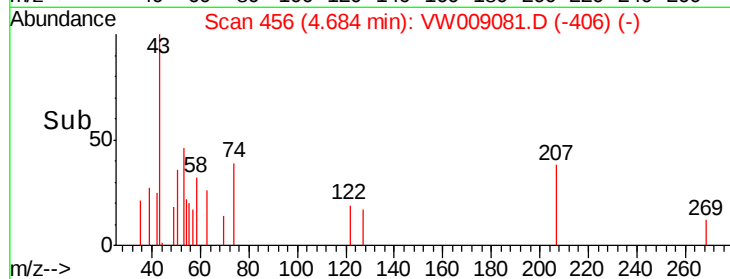
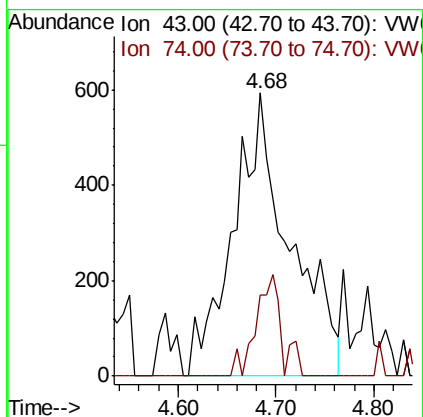
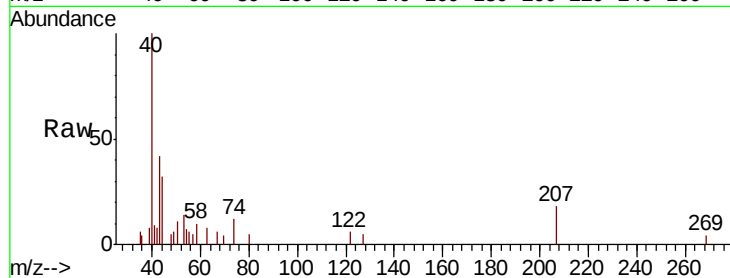




#18
Methyl Acetate
Concen: 1.439 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

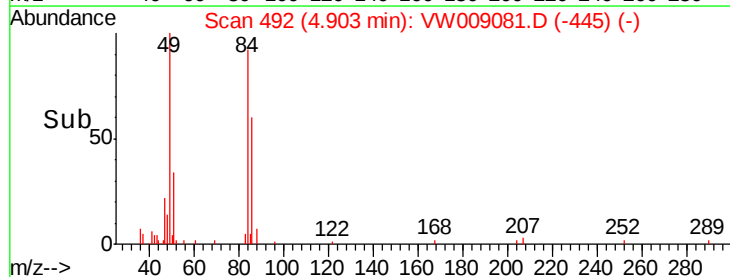
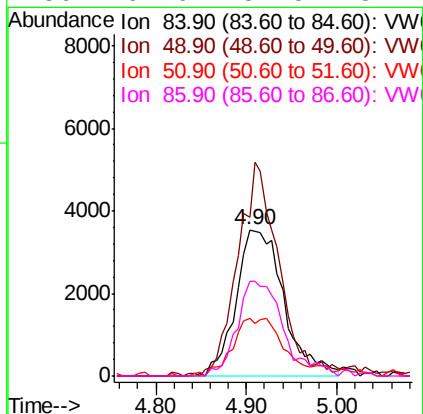
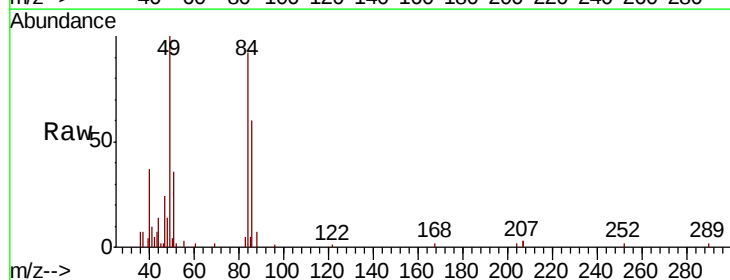
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

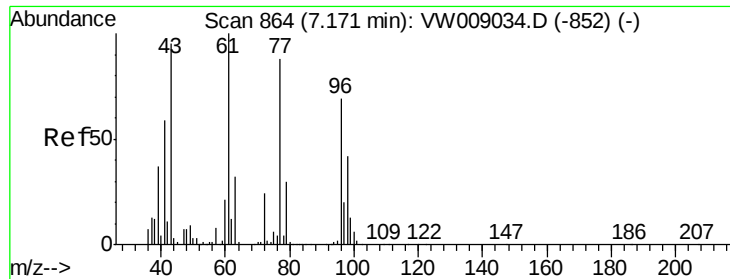
Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
74 16.3 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

Tgt Ion: 84 Resp: 12979
Ion Ratio Lower Upper
84 100
49 106.5 102.4 153.6
51 39.0 31.6 47.4
86 64.6 54.5 81.7





#25

2-Butanone

Concen: 10.204 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009081.D

Acq: 11 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

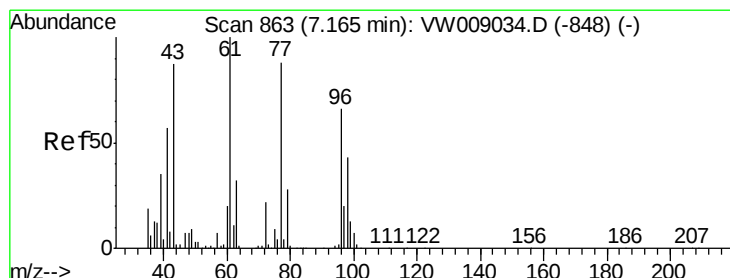
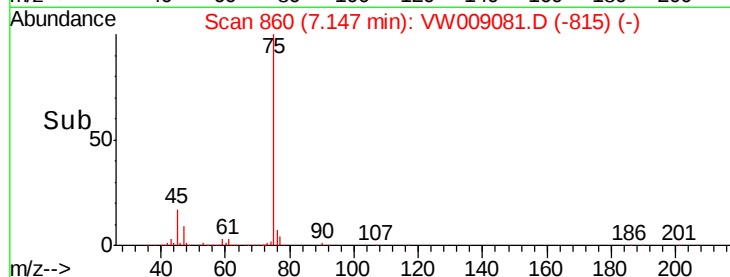
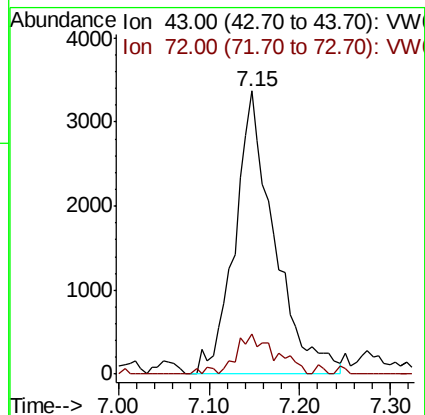
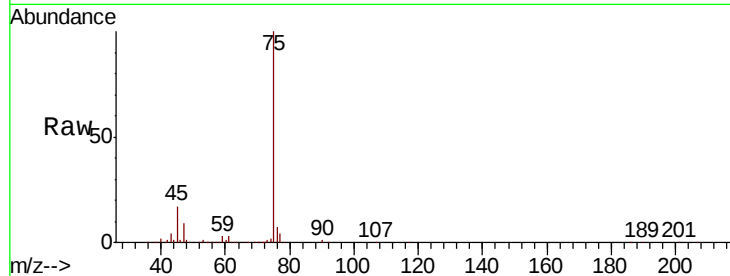
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Tgt Ion: 43 Resp: 10165

Ion Ratio Lower Upper

43 100

72 14.0 20.0 30.0#



#26

2,2-Dichloropropane

Concen: 1.920 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW009081.D

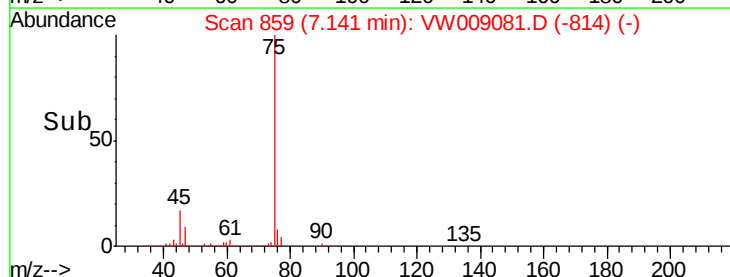
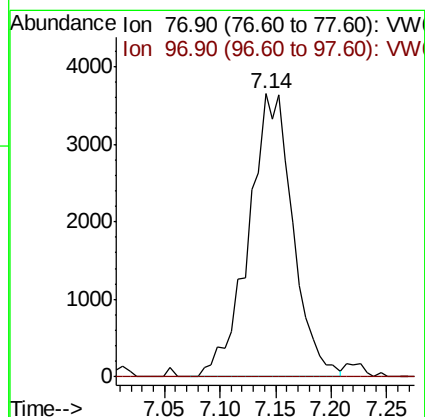
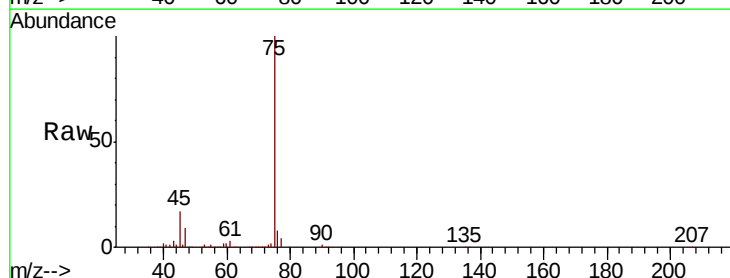
Acq: 11 Mar 2019 12:51

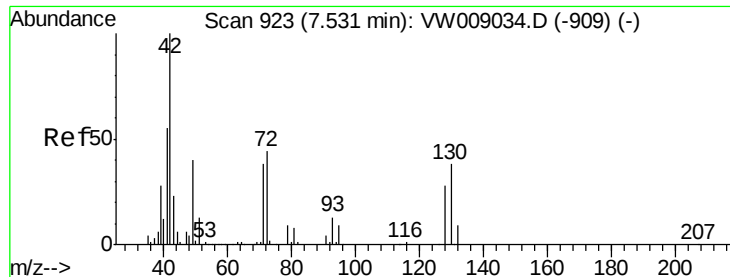
Tgt Ion: 77 Resp: 10127

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

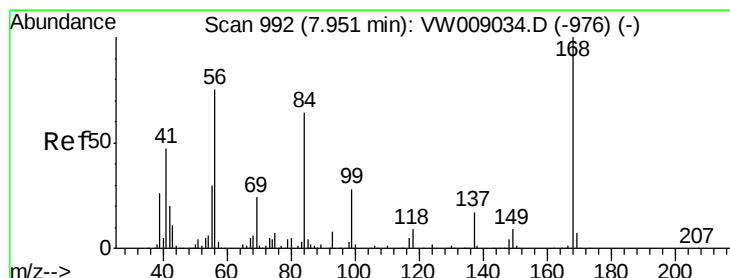
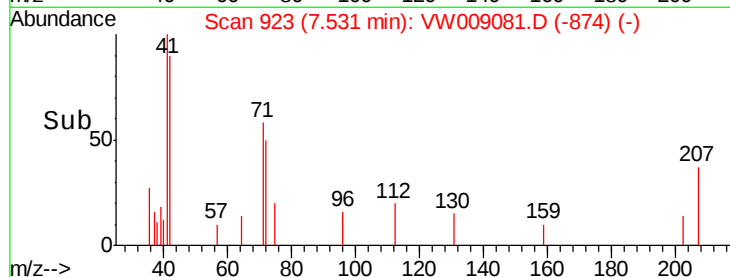
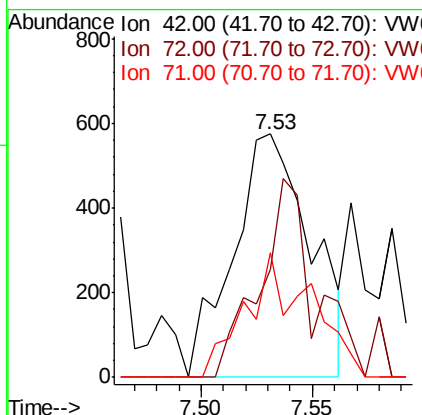
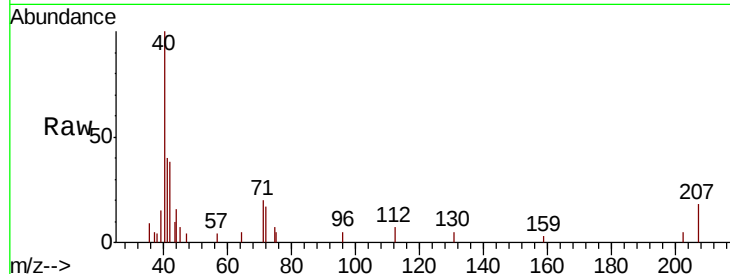




#29
Tetrahydrofuran
Concen: 2.225 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

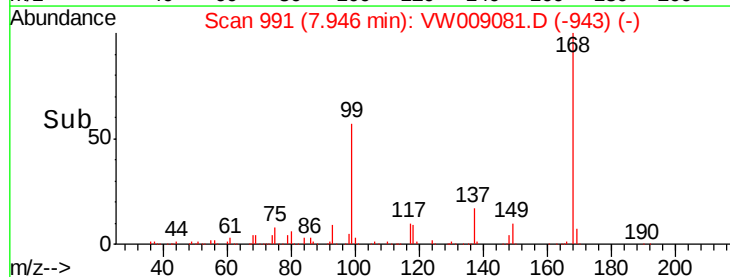
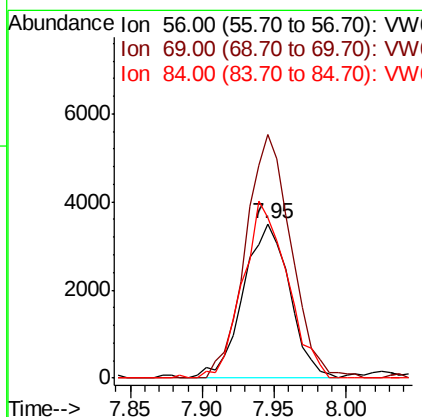
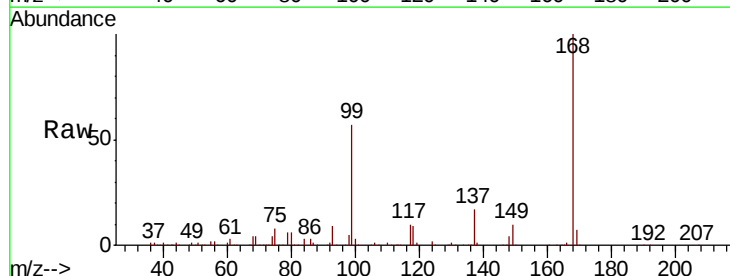
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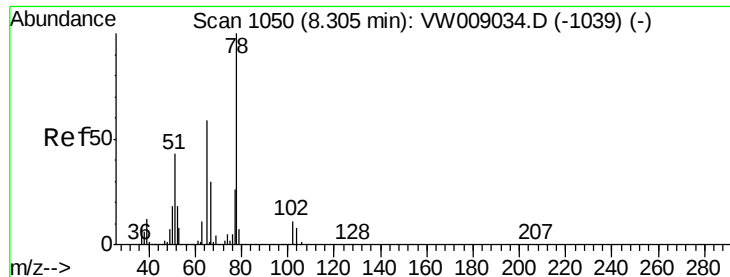
Tgt Ion: 42 Resp: 1397
Ion Ratio Lower Upper
42 100
72 57.2 32.2 48.4#
71 42.8 30.7 46.1



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

Tgt Ion: 56 Resp: 7808
Ion Ratio Lower Upper
56 100
69 157.8 25.5 38.3#
84 104.0 68.6 103.0#

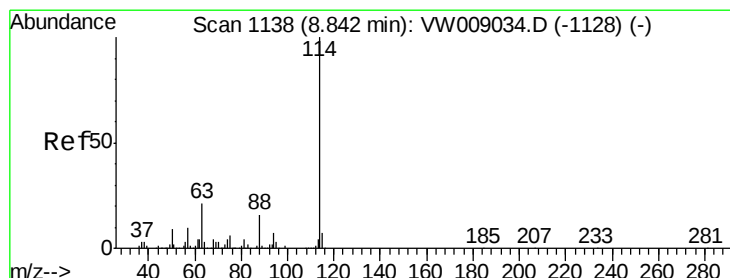
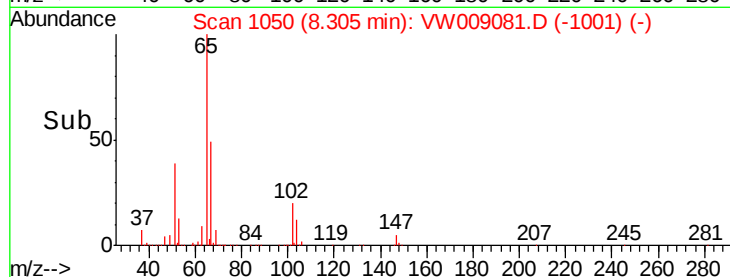
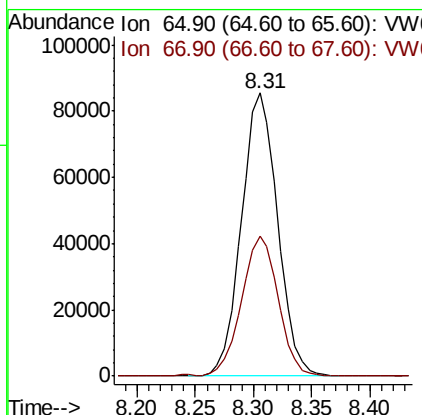
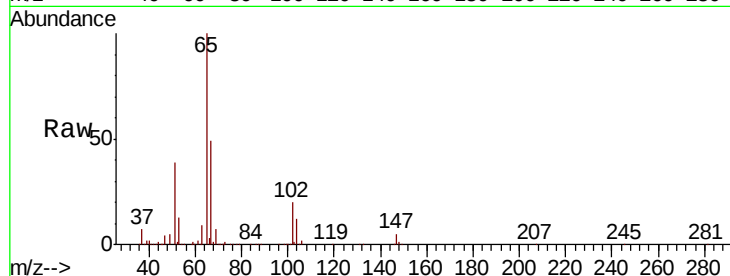




#33
 1,2-Dichloroethane-d4
 Concen: 58.083 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

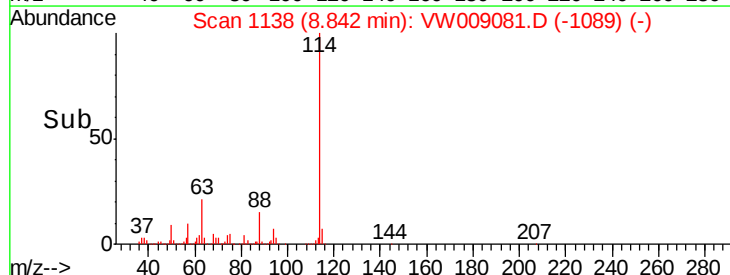
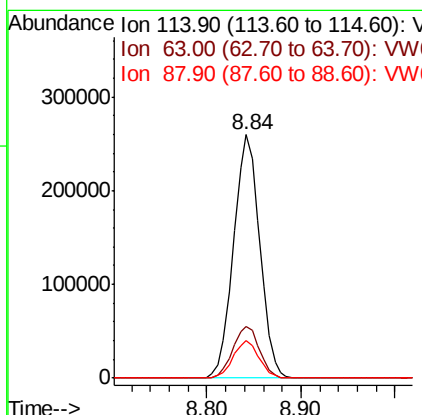
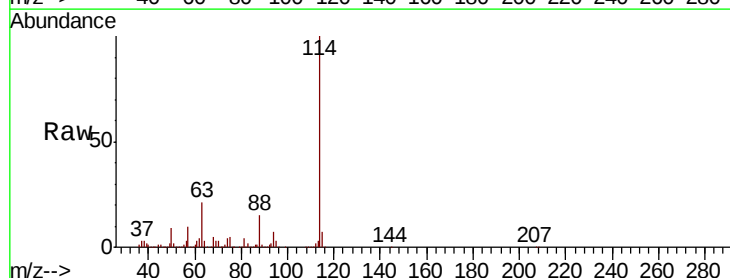
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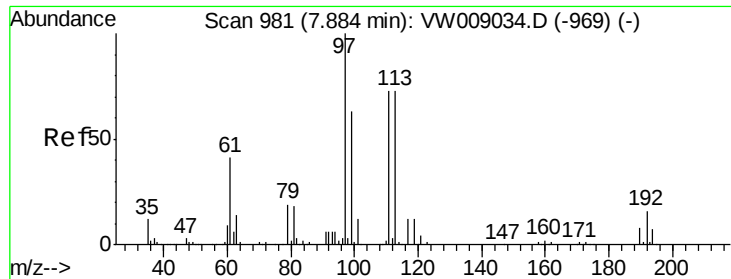
Tgt Ion: 65 Resp: 185528
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Tgt Ion: 114 Resp: 500130
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 15.3 0.0 31.2

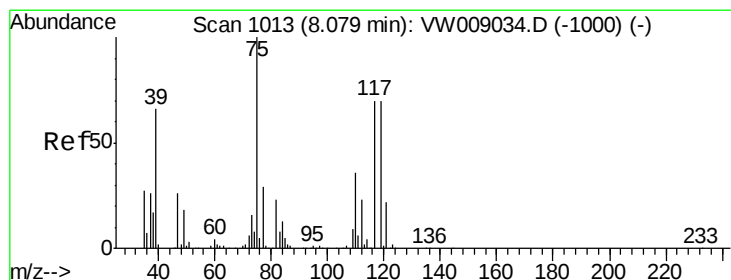
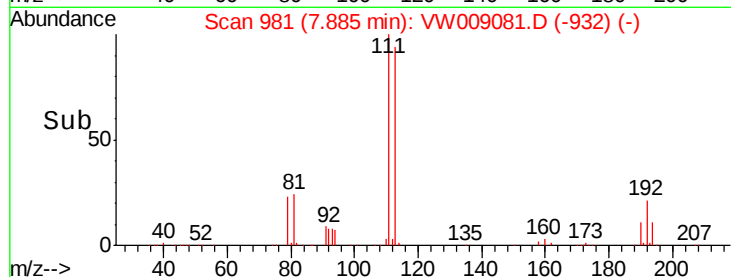
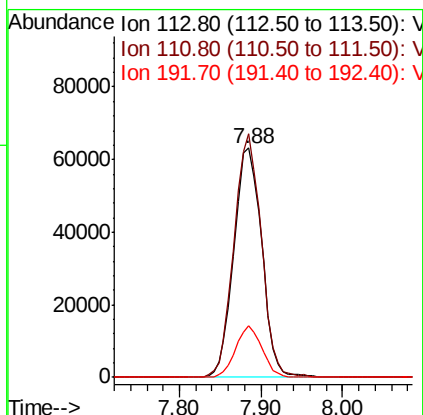
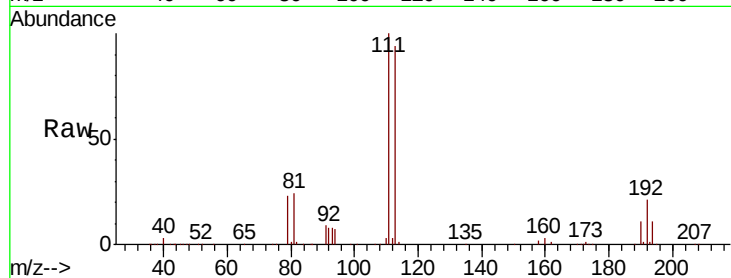




#35
 Dibromofluoromethane
 Concen: 49.637 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

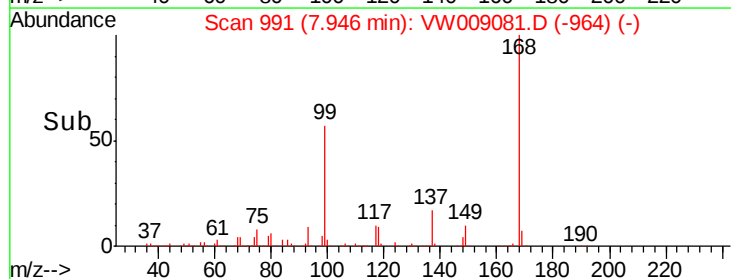
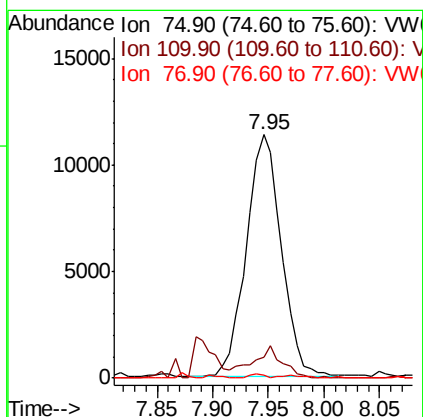
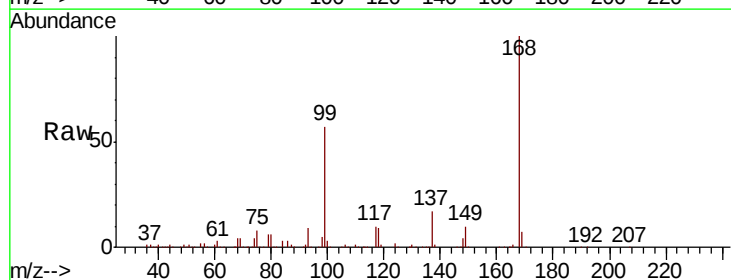
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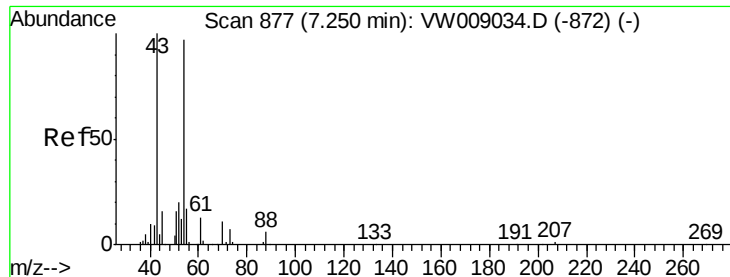
Tgt Ion:113 Resp: 149468
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.0 121.4
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Tgt Ion: 75 Resp: 25031
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.6 52.9#
 77 0.7 25.1 37.7#

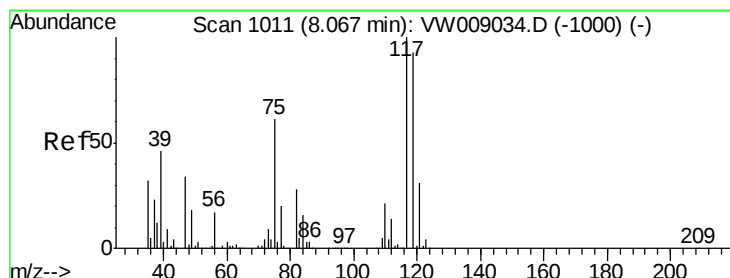
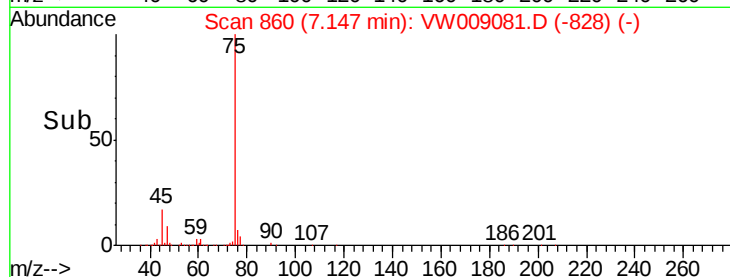
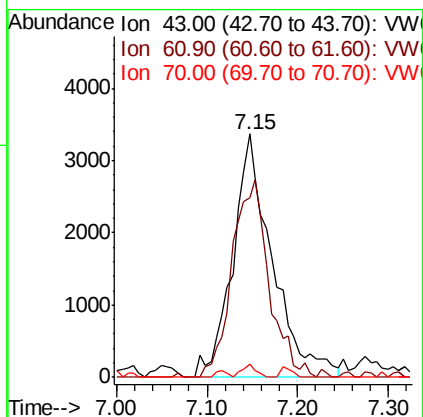
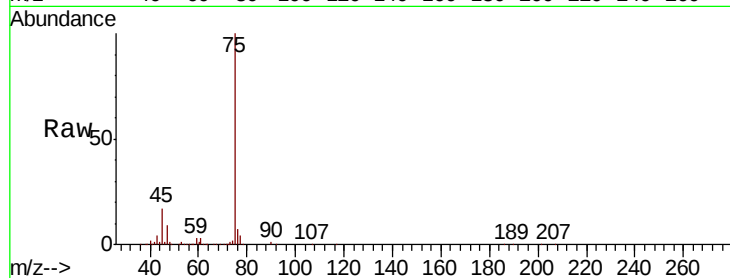




#37
Ethyl Acetate
Concen: 4.138 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.10 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

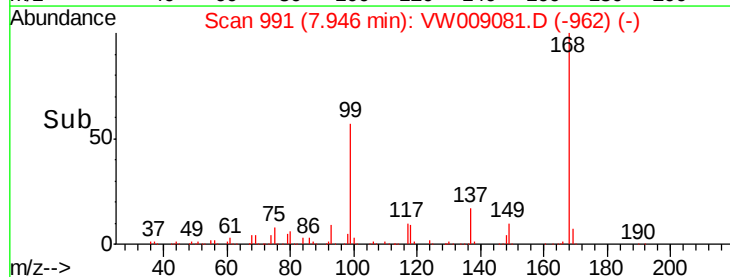
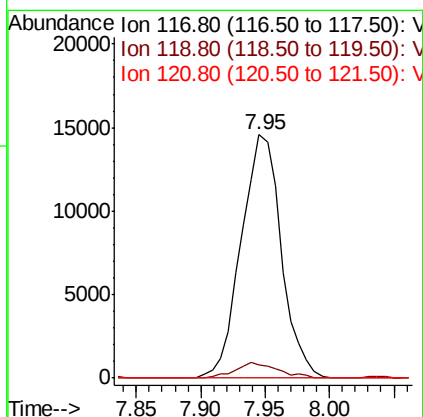
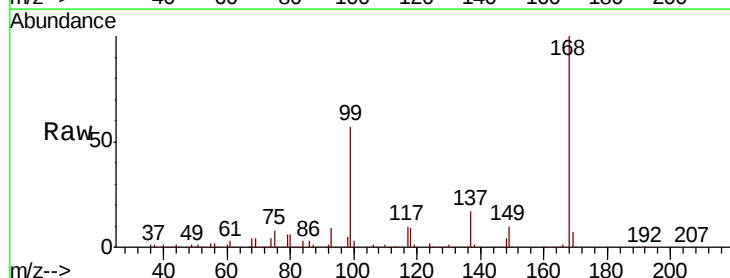
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

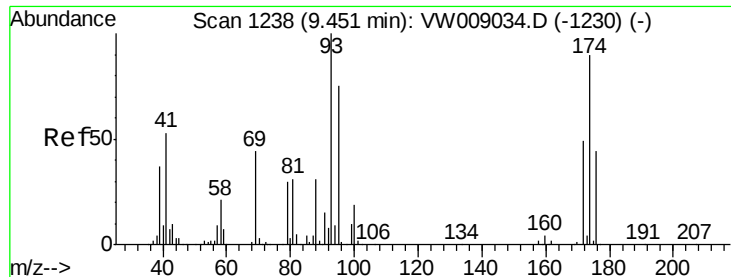
Tgt Ion: 43 Resp: 10165
Ion Ratio Lower Upper
43 100
61 75.8 9.8 14.6#
70 1.9 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

Tgt Ion: 117 Resp: 31379
Ion Ratio Lower Upper
117 100
119 5.5 74.6 112.0#
121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.134 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW009081.D

Acq: 11 Mar 2019 12:51

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-01-AA0-BB0-AA0A-BB0A

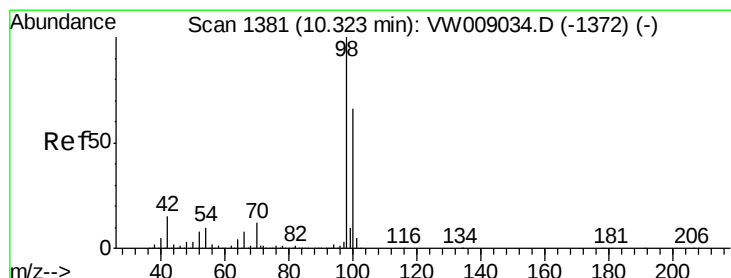
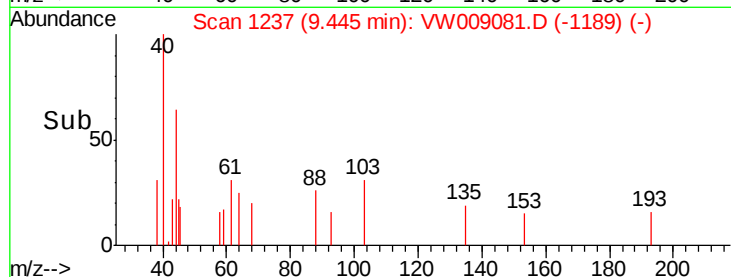
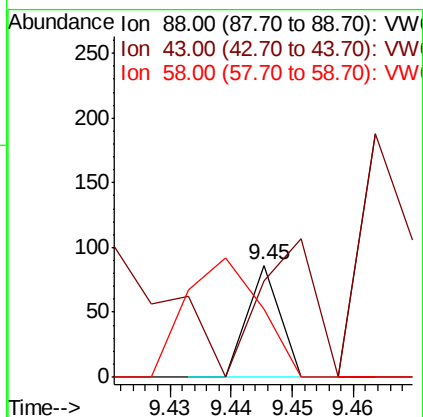
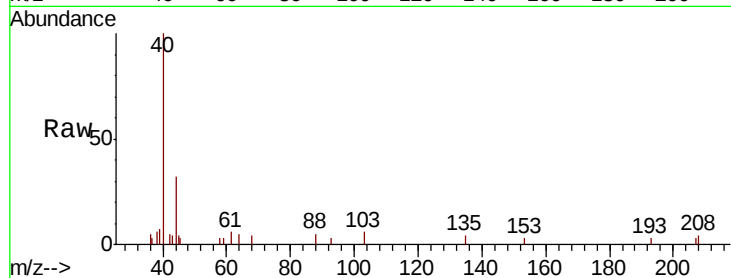
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 248.4 59.2 88.8#



#50

Toluene-d8

Concen: 48.462 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009081.D

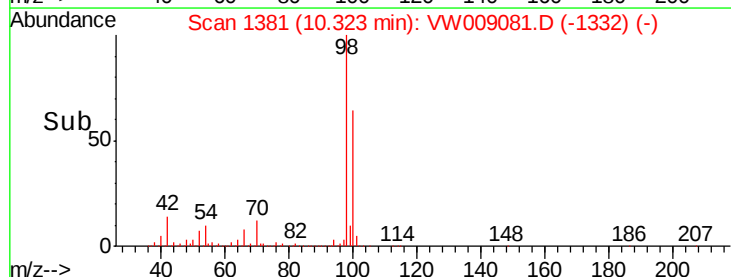
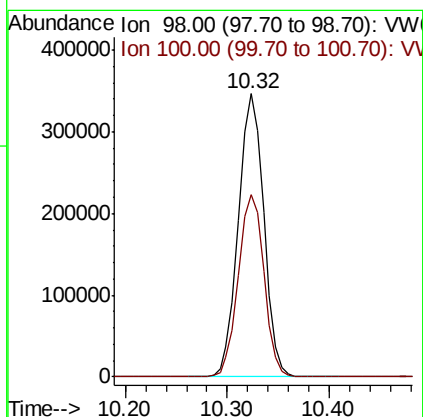
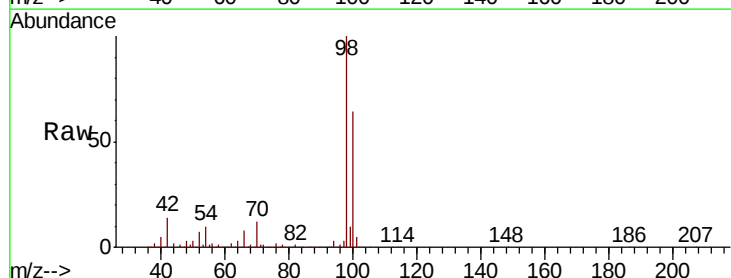
Acq: 11 Mar 2019 12:51

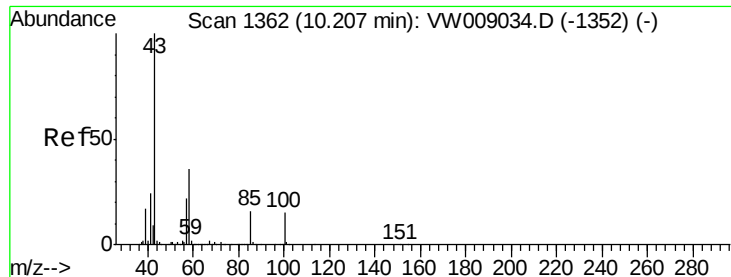
Tgt Ion: 98 Resp: 599363

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

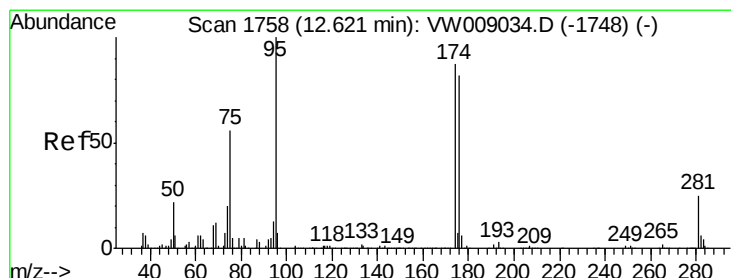
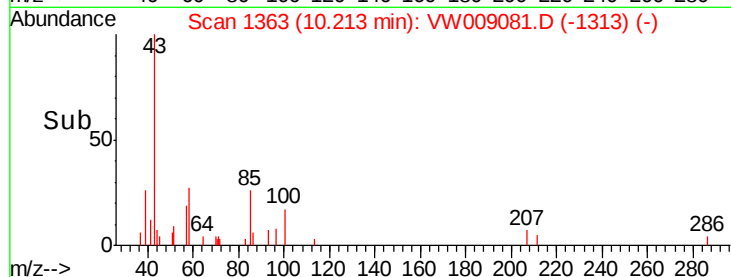
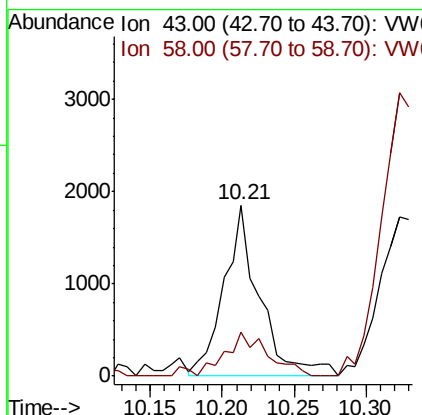
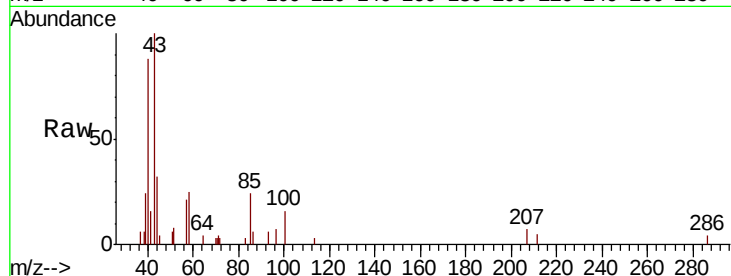




#51
 4-Methyl-2-Pentanone
 Concen: 1.385 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

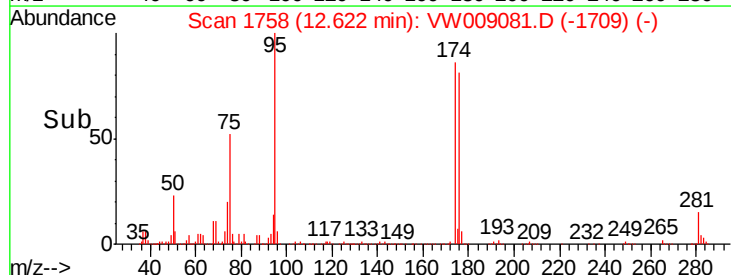
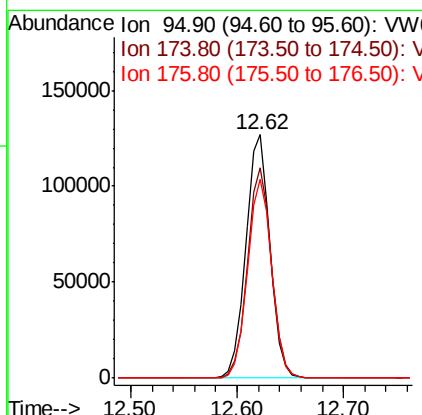
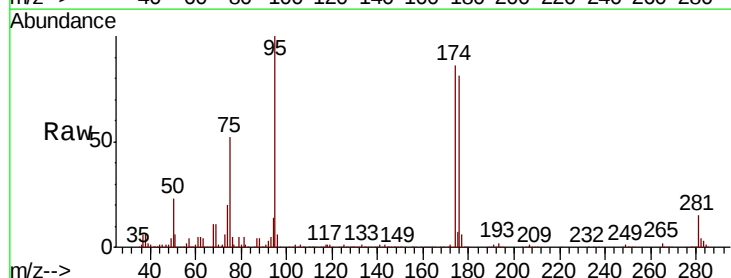
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

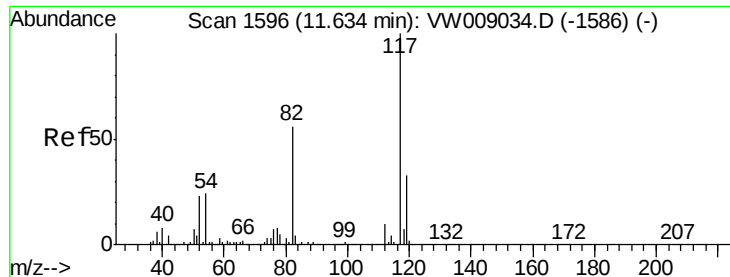
Tgt Ion: 43 Resp: 3216
 Ion Ratio Lower Upper
 43 100
 58 30.3 28.8 43.2



#62
 4-Bromofluorobenzene
 Concen: 41.357 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Tgt Ion: 95 Resp: 201350
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 167.0
 176 81.9 0.0 159.4

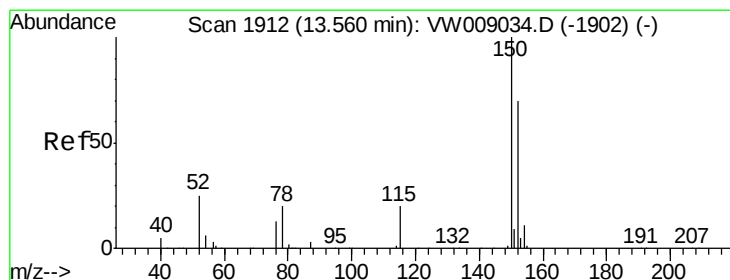
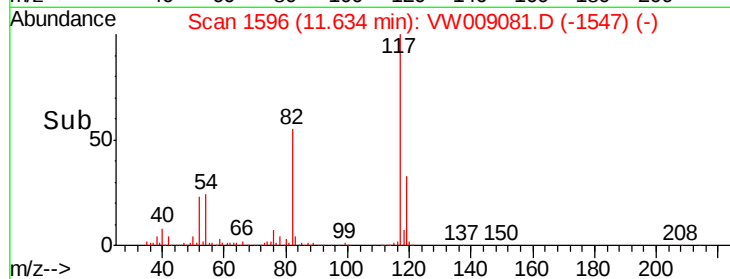
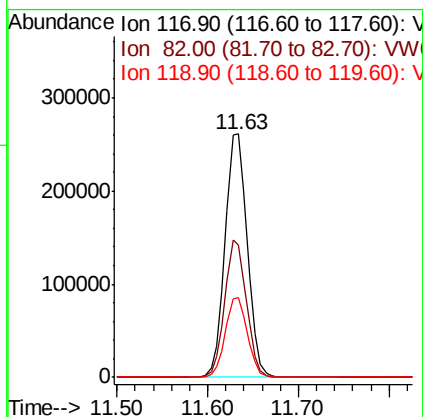
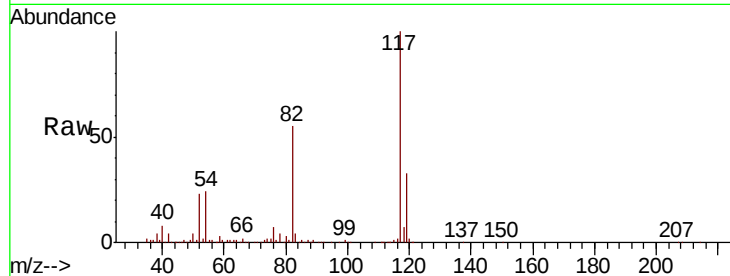




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

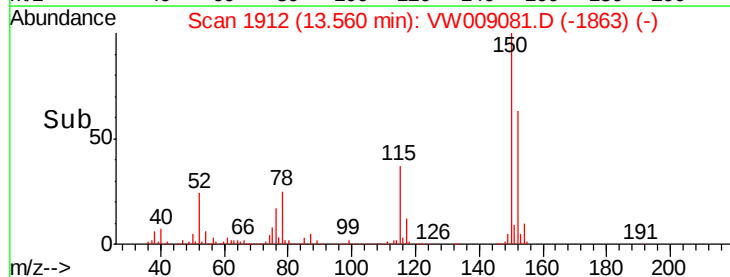
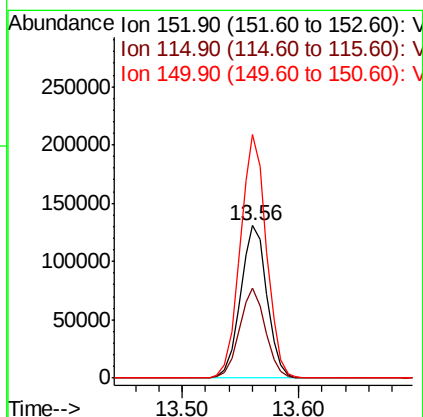
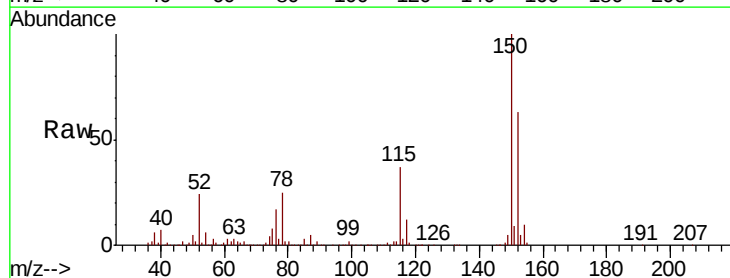
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

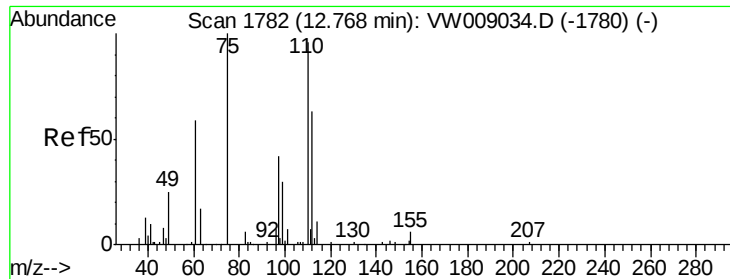
Tgt Ion:117 Resp: 445498
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009081.D
Acq: 11 Mar 2019 12:51

Tgt Ion:152 Resp: 206572
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 157.8 0.0 349.2

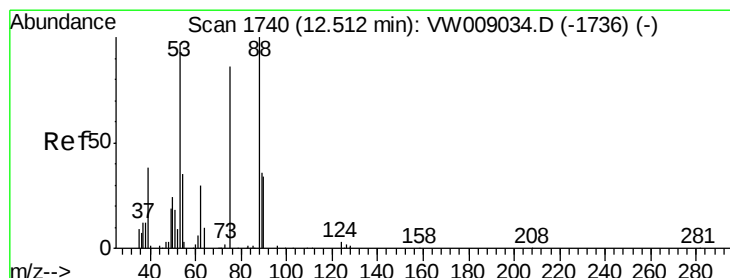
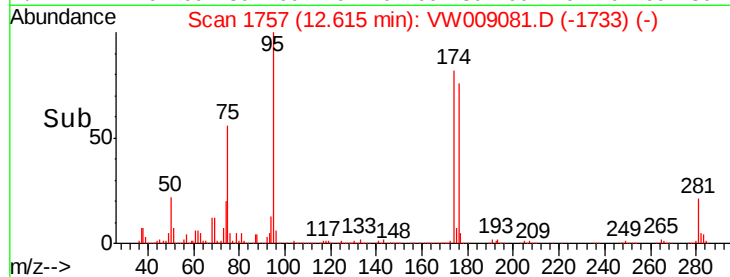
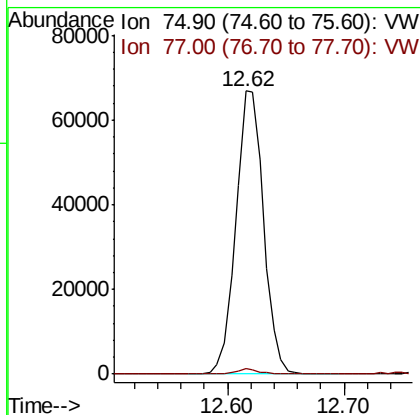
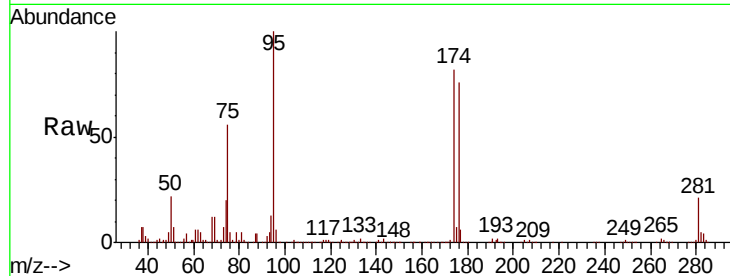




#76
 1,2,3-Trichloropropane
 Concen: 67.827 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

Tgt Ion: 75 Resp: 110699
 Ion Ratio Lower Upper
 75 100
 77 1.5 186.7 560.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.710 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW009081.D
 Acq: 11 Mar 2019 12:51

Tgt Ion: 75 Resp: 110699
 Ion Ratio Lower Upper
 75 100
 53 0.4 90.5 135.7#
 89 0.1 37.5 56.3#

