

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008488.D
 Acq On : 01 Feb 2019 18:10
 Operator : SY/VA
 Sample : K1284-02
 Misc : 4.16G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-03-004-ABCD

Quant Time: Feb 02 00:46:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

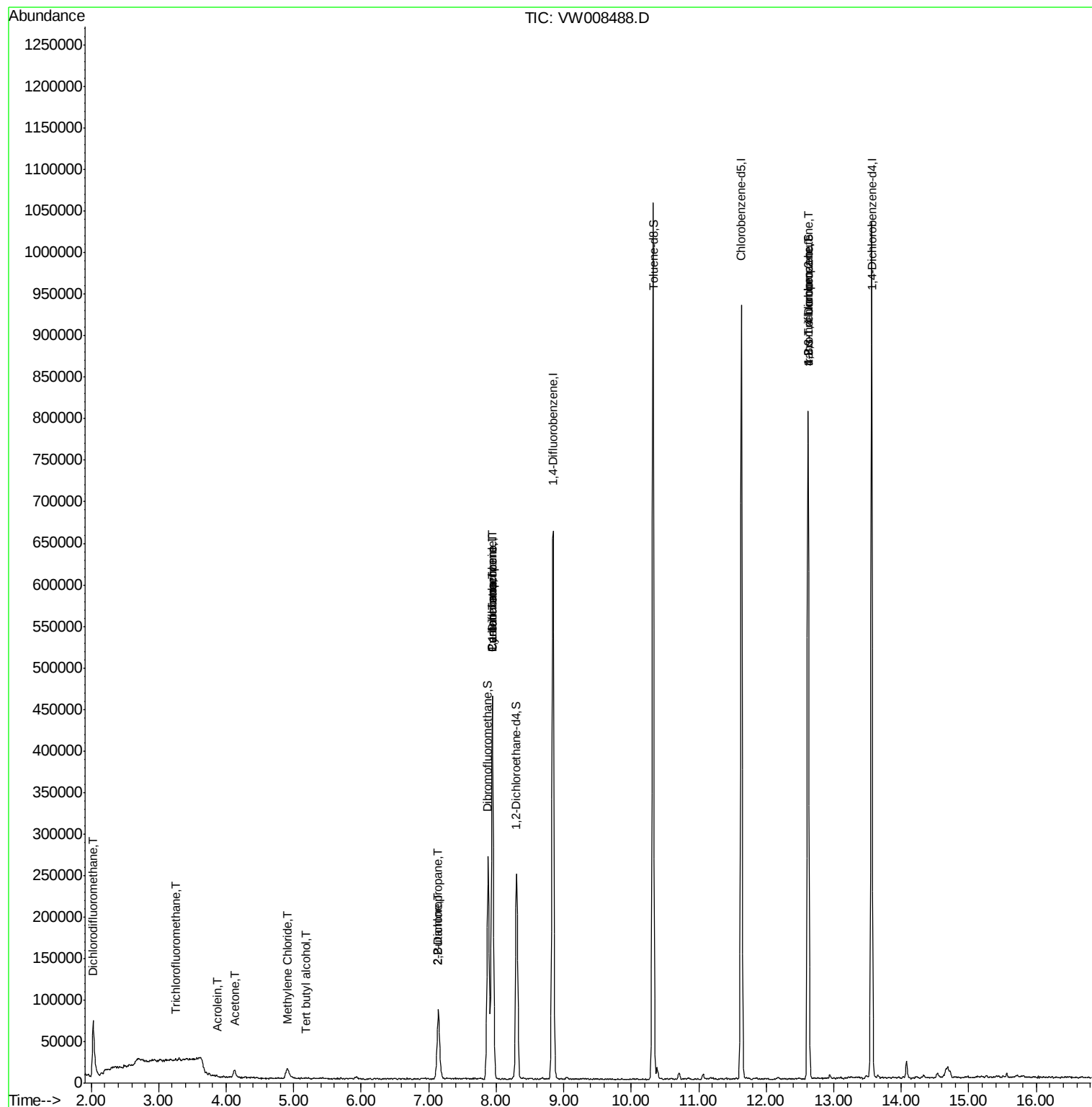
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	363069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	577622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	267282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	191931	53.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.62%	
35) Dibromofluoromethane	7.88	113	183668	54.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.76%	
50) Toluene-d8	10.32	98	689591	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	261628	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.03	85	2515	4.373	ug/l	87
7) Trichlorofluoromethane	3.26	101	23	4.731	ug/l #	17
11) Tert butyl alcohol	5.18	59	588	2.048	ug/l #	70
13) Acrolein	3.87	56	156	4.791	ug/l #	76
16) Acetone	4.12	43	17415	21.742	ug/l	98
20) Methylene Chloride	4.90	84	10302	2.791	ug/l	88
25) 2-Butanone	7.14	43	4944	4.444	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	5848	1.278	ug/l #	57
31) Cyclohexane	7.94	56	7673	1.096	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	26190	4.800	ug/l #	50
38) Carbon Tetrachloride	7.94	117	34552	6.293	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	128488	55.291	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	128488	109.205	ug/l #	12

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

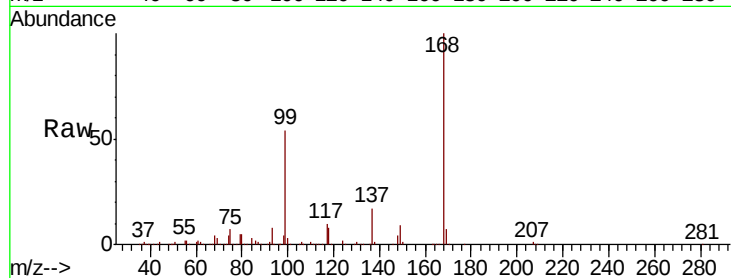
FK-BPM-03-004-ABCD

Tgt Ion: 168 Resp: 363069

Ion Ratio Lower Upper

168 100

99 54.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

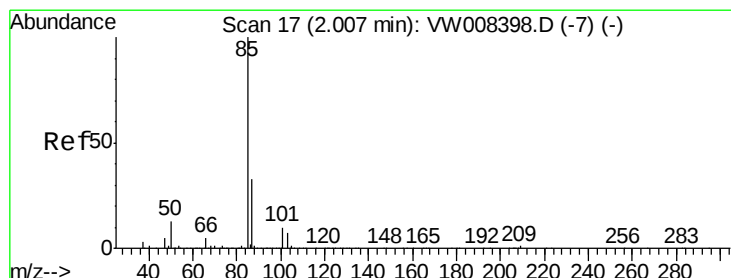
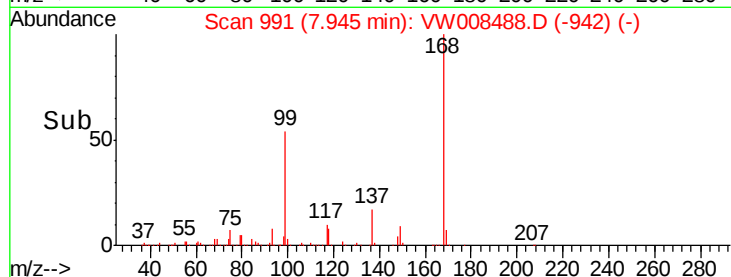
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.373 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW008488.D

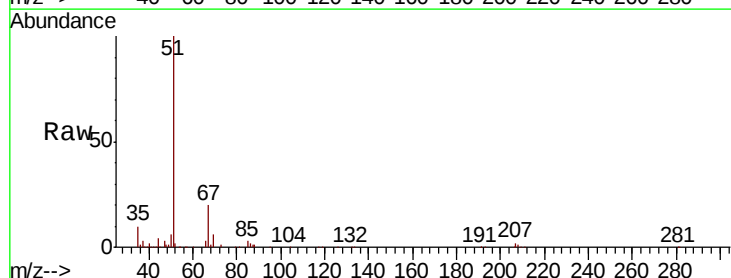
Acq: 01 Feb 2019 18:10

Tgt Ion: 85 Resp: 2515

Ion Ratio Lower Upper

85 100

87 41.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

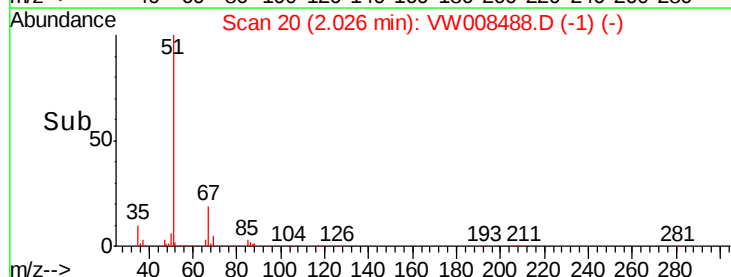
2.03

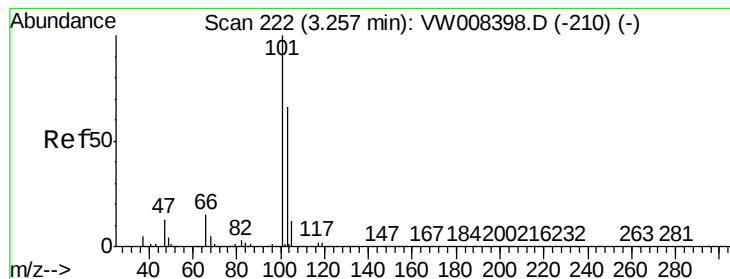
1000

500

0

Time-->



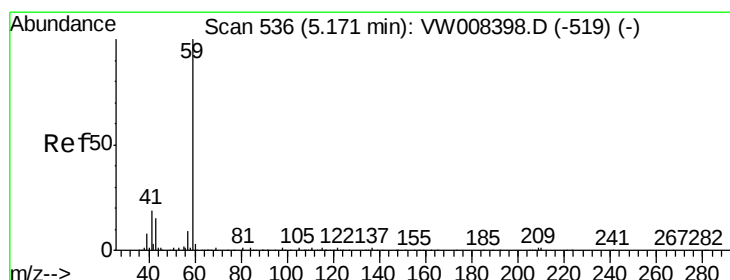
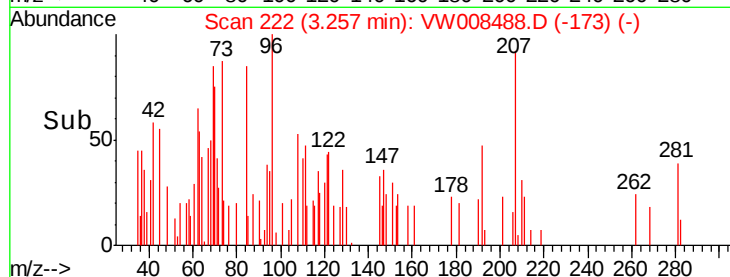
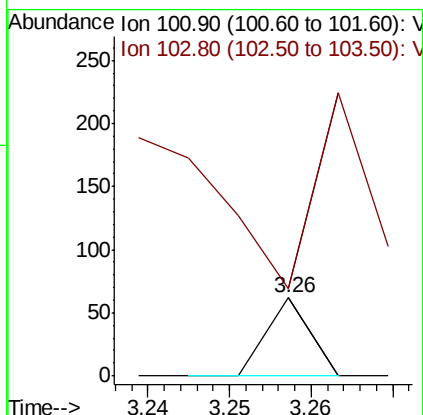
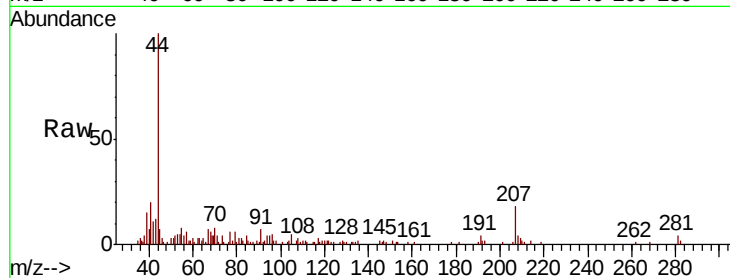


#7

Trichlorofluoromethane
Concen: 4.731 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-03-004-ABCD

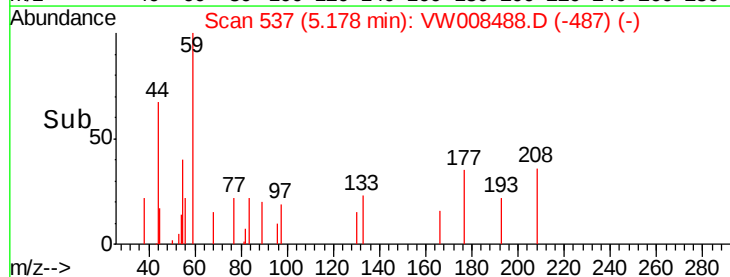
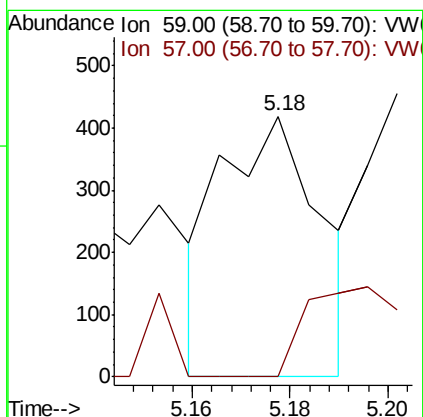
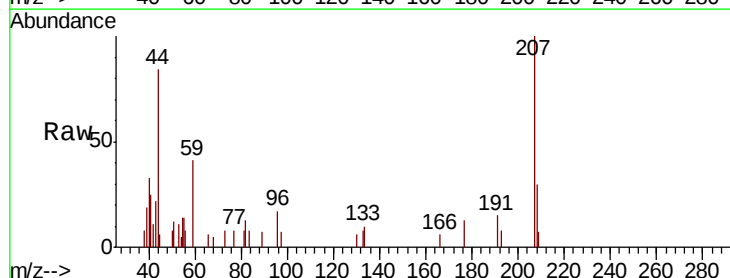
Tgt Ion: 101 Resp: 23
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

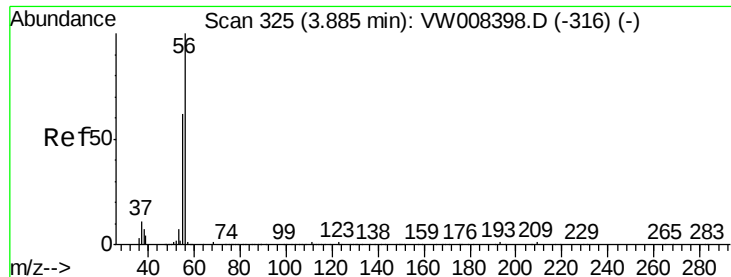


#11

Tert butyl alcohol
Concen: 2.048 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

Tgt Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

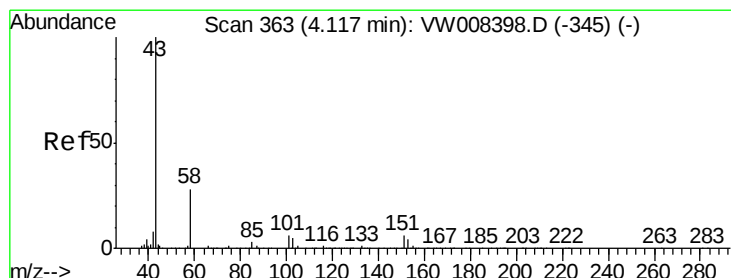
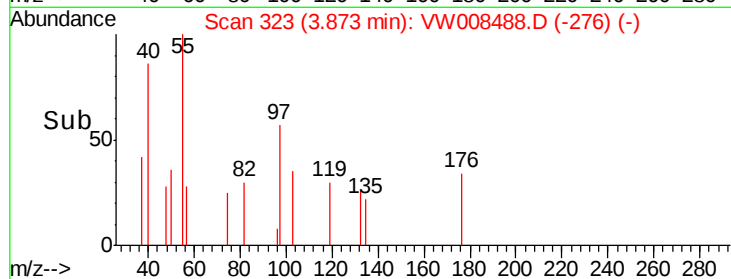
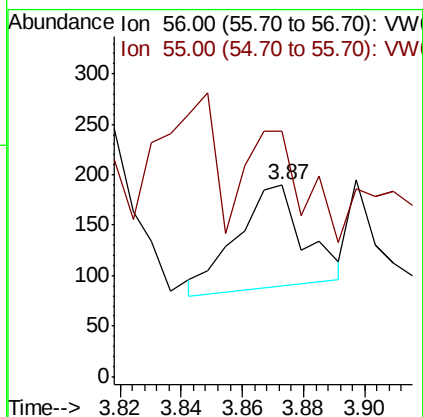
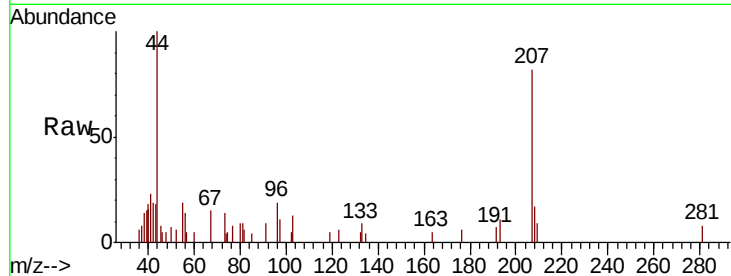




#13
Acrolein
Concen: 4.791 ug/l
RT: 3.87 min Scan# 323
Delta R.T. -0.01 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

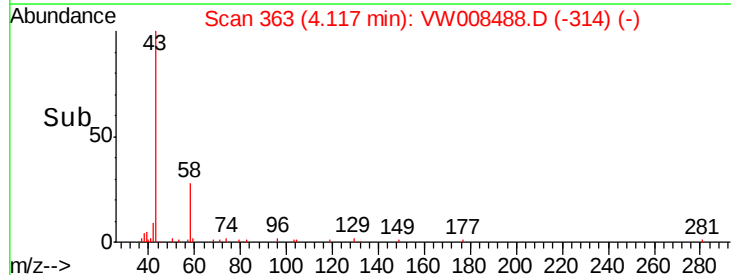
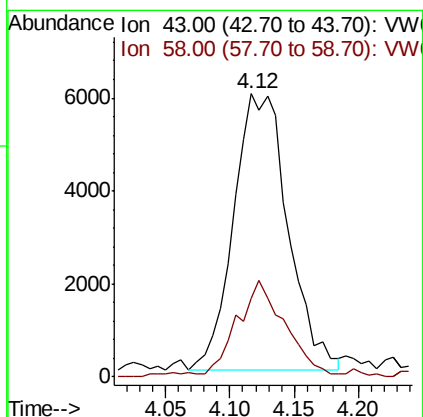
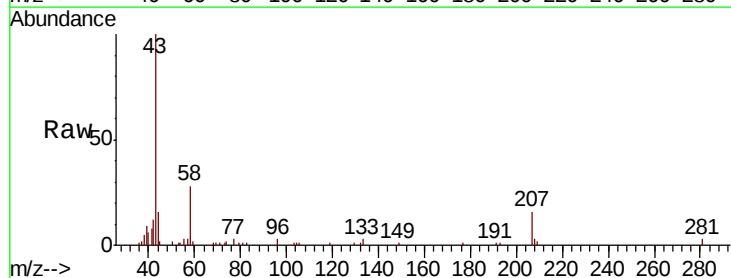
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-03-004-ABCD

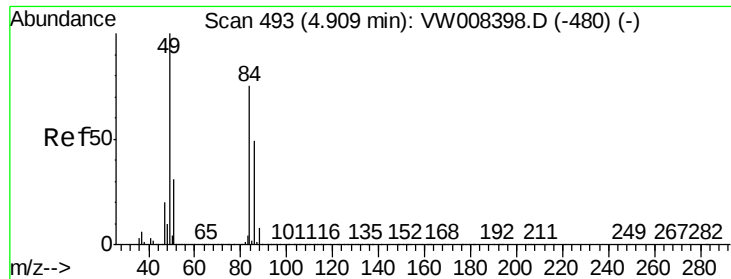
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 91.0 56.7 85.1#



#16
Acetone
Concen: 21.742 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

Tgt Ion: 43 Resp: 17415
Ion Ratio Lower Upper
43 100
58 27.4 22.6 34.0

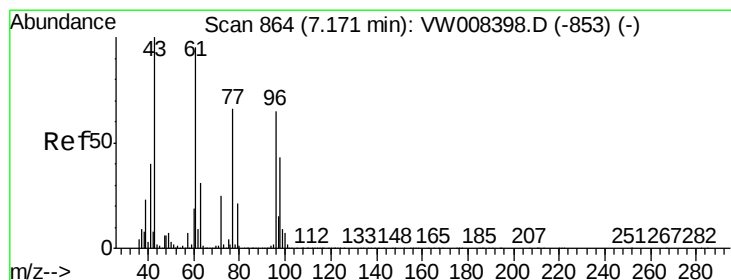
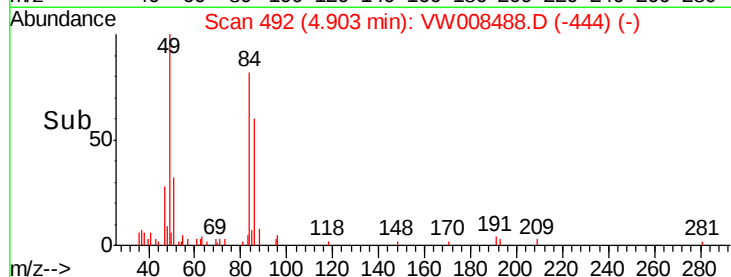
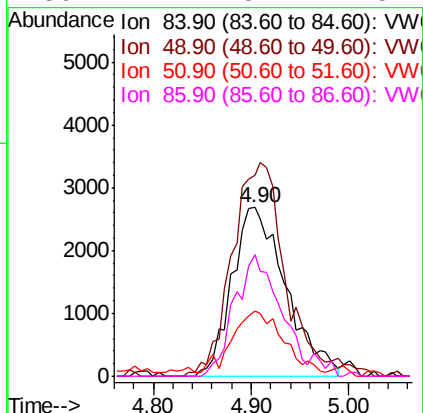
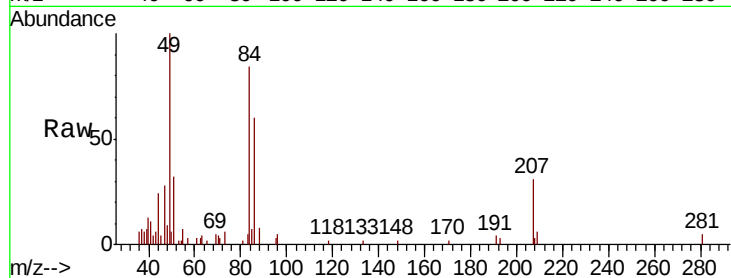




#20
Methylene Chloride
Concen: 2.791 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

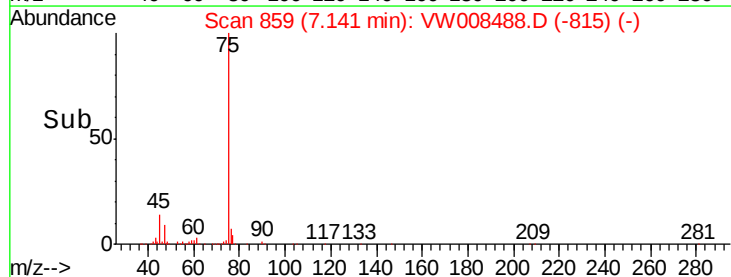
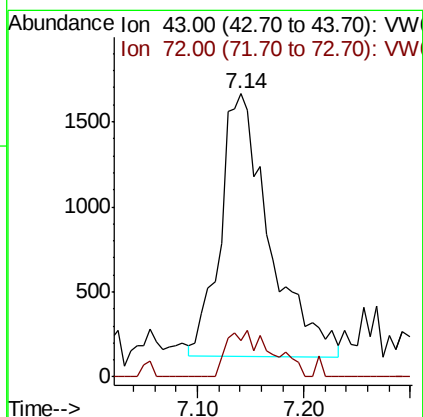
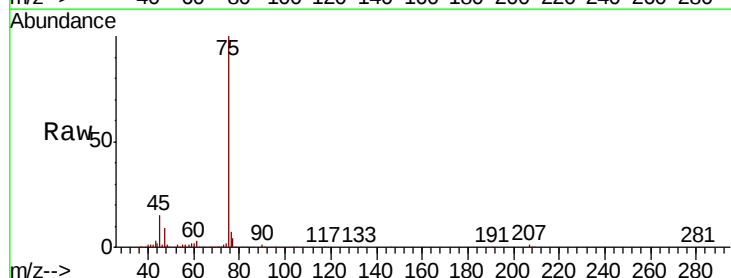
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-03-004-ABCD

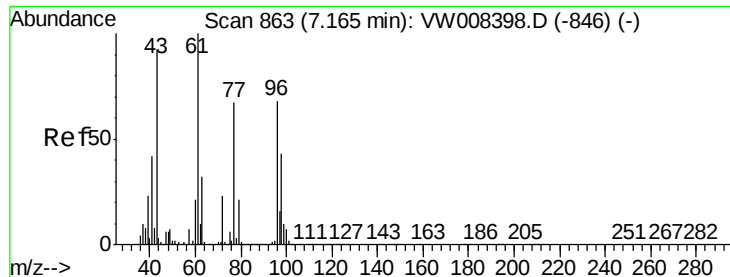
Tgt Ion:	84	Resp:	10302
Ion	Ratio	Lower	Upper
84	100		
49	117.2	106.8	160.2
51	33.3	32.9	49.3
86	72.1	52.2	78.2



#25
2-Butanone
Concen: 4.444 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

Tgt Ion:	43	Resp:	4944
Ion	Ratio	Lower	Upper
43	100		
72	14.2	20.1	30.1#





#26

2,2-Dichloropropane

Concen: 1.278 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

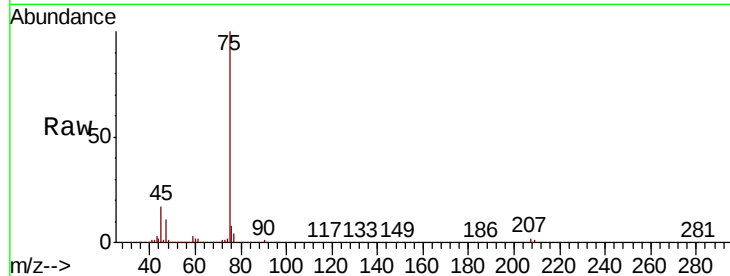
FK-BPM-03-004-ABCD

Tgt Ion: 77 Resp: 5848

Ion Ratio Lower Upper

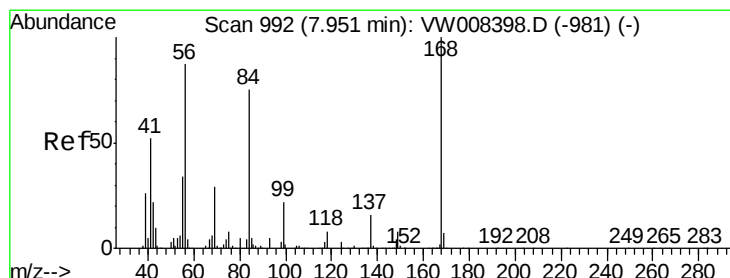
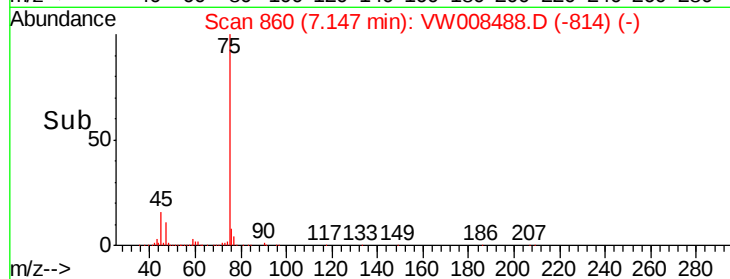
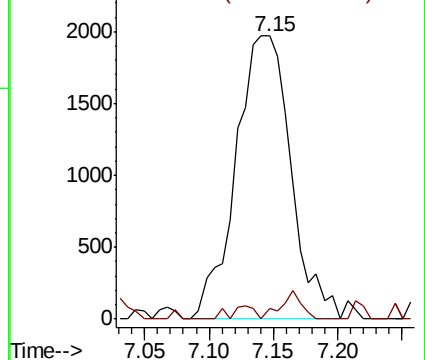
77 100

97 2.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

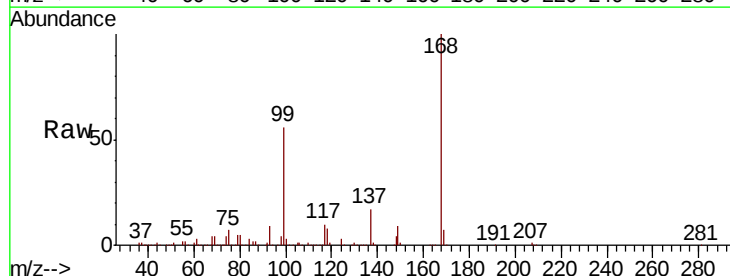
Tgt Ion: 56 Resp: 7673

Ion Ratio Lower Upper

56 100

69 155.9 26.4 39.6#

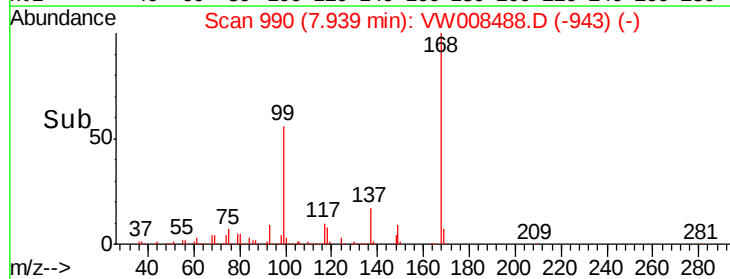
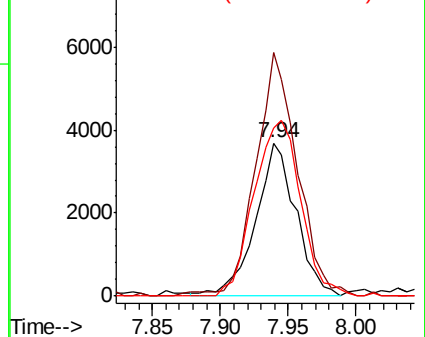
84 109.4 69.1 103.7#

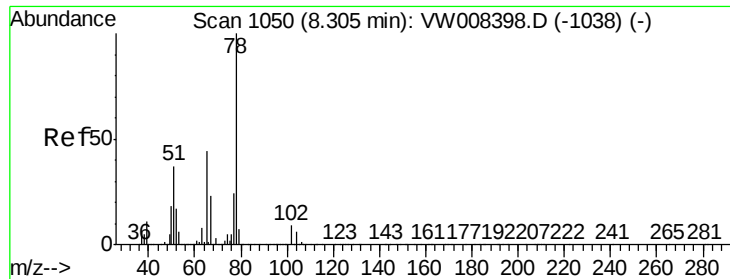


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

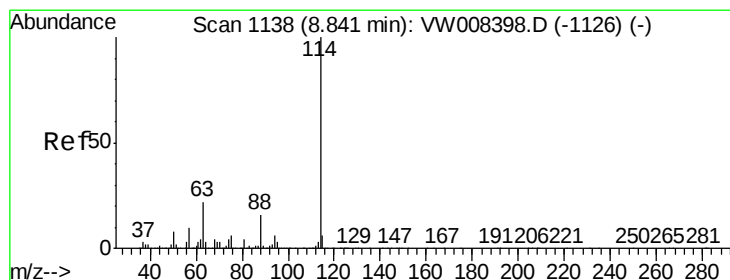
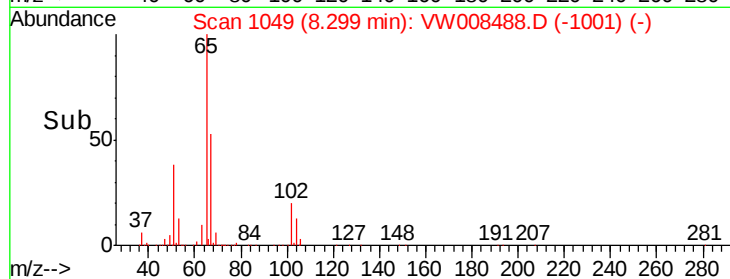
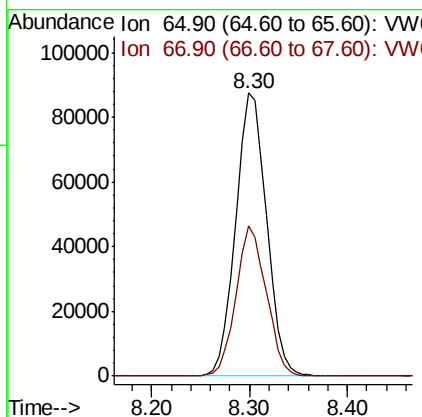
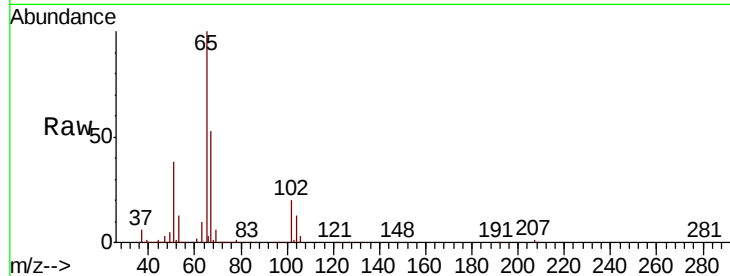




#33
 1,2-Dichloroethane-d4
 Concen: 53.810 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008488.D
 Acq: 01 Feb 2019 18:10

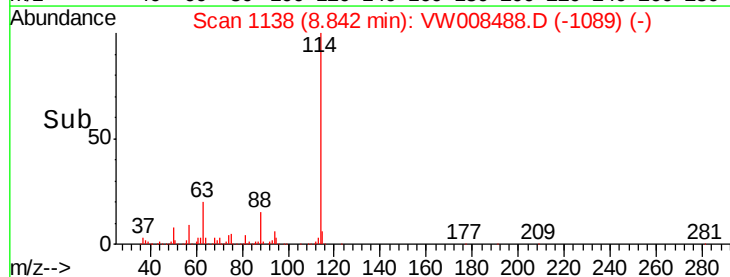
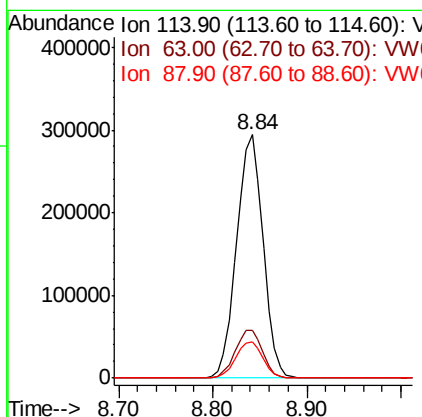
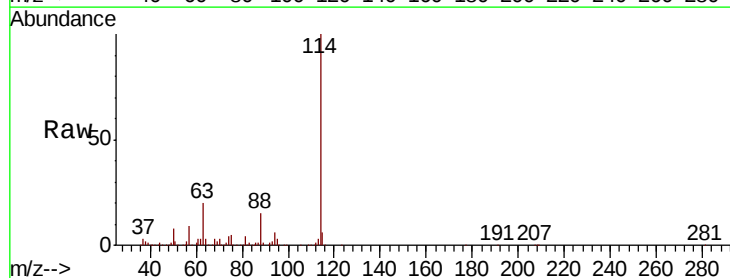
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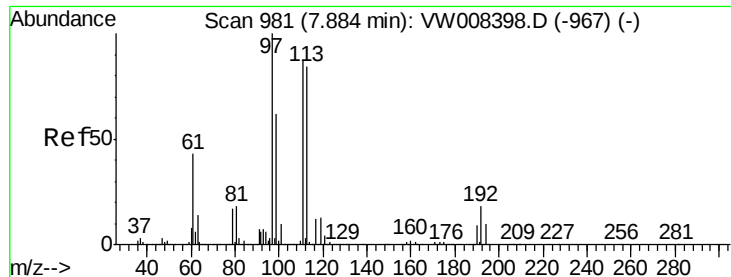
Tgt Ion: 65 Resp: 191931
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008488.D
 Acq: 01 Feb 2019 18:10

Tgt Ion: 114 Resp: 577622
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.6
 88 15.0 0.0 31.8

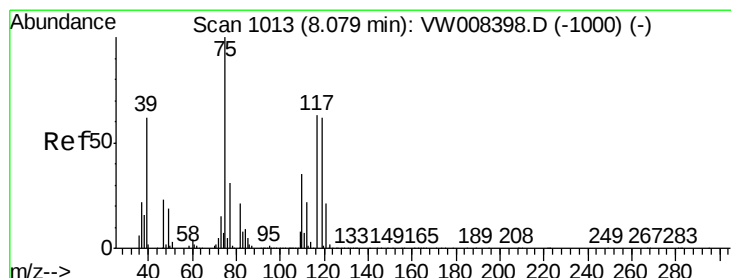
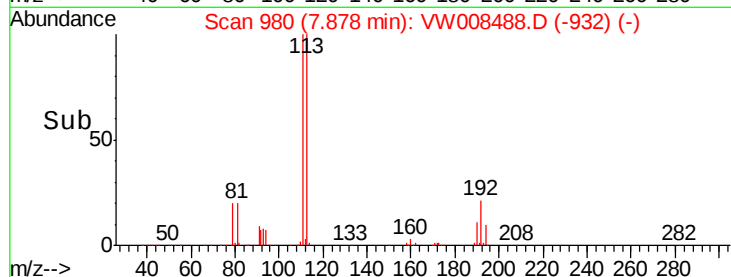
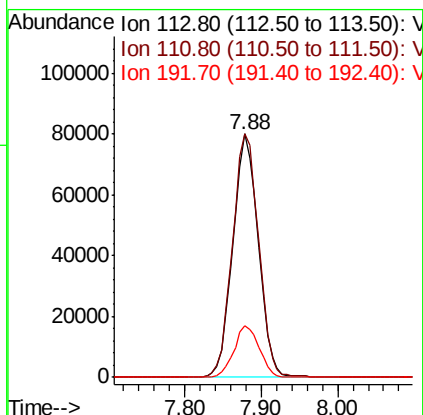
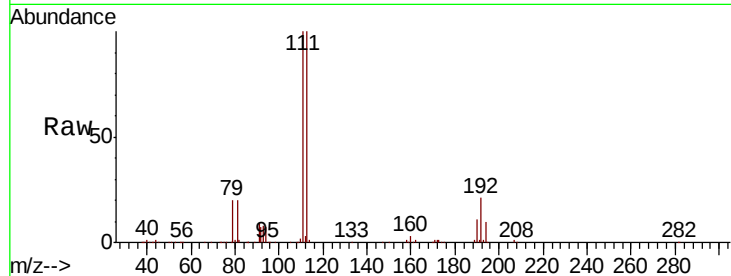




#35
 Dibromofluoromethane
 Concen: 54.379 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008488.D
 Acq: 01 Feb 2019 18:10

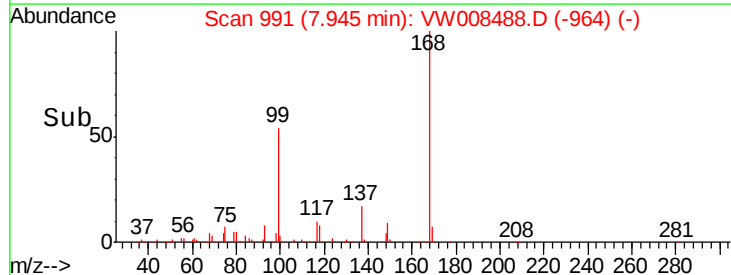
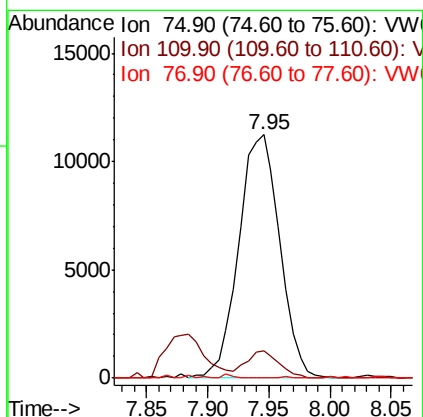
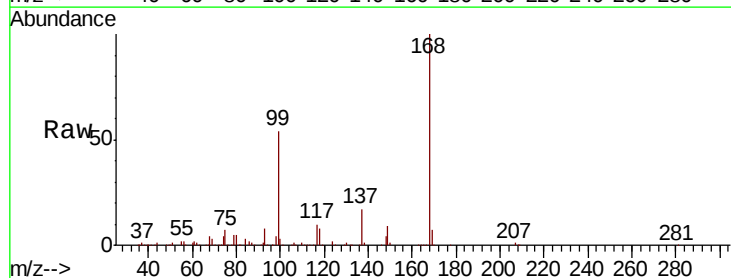
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-03-004-ABCD

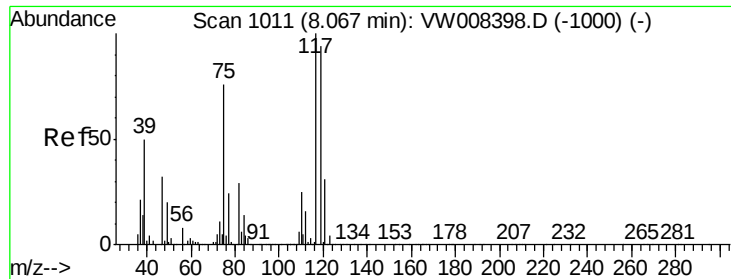
Tgt Ion:113 Resp: 183668
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.4
 192 21.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008488.D
 Acq: 01 Feb 2019 18:10

Tgt Ion: 75 Resp: 26190
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.3 52.0#
 77 0.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-004-ABCD

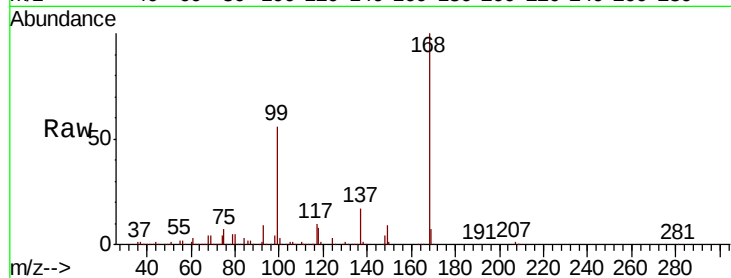
Tgt Ion:117 Resp: 34552

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.4#

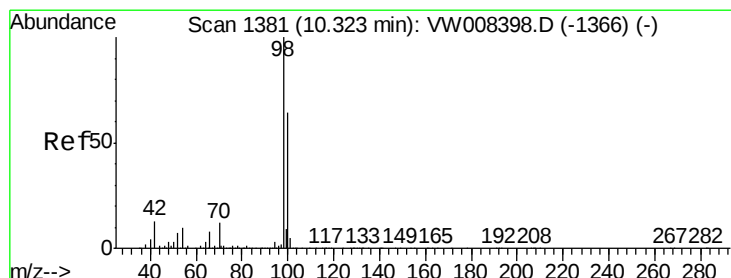
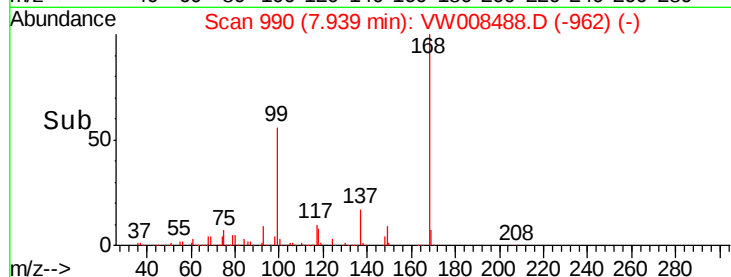
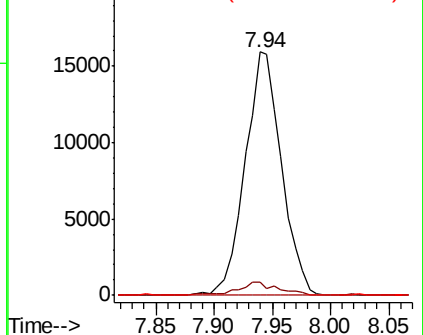
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 50.914 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008488.D

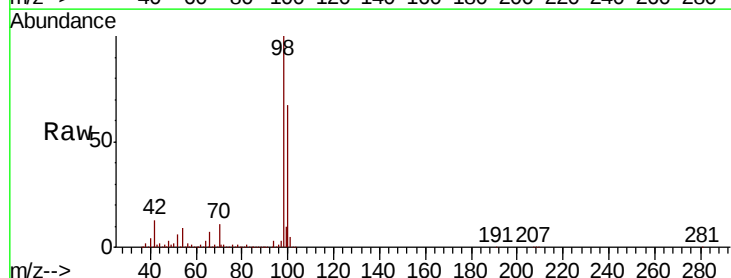
Acq: 01 Feb 2019 18:10

Tgt Ion: 98 Resp: 689591

Ion Ratio Lower Upper

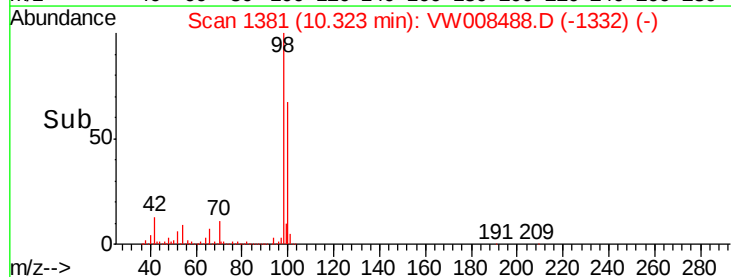
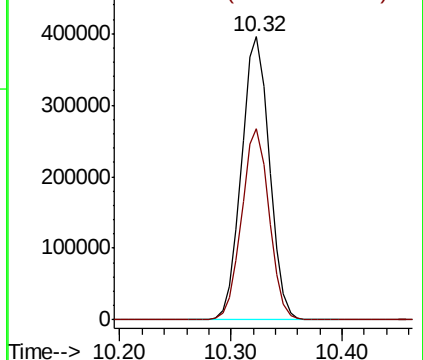
98 100

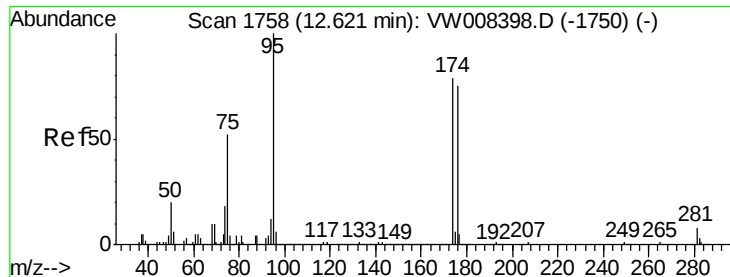
100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

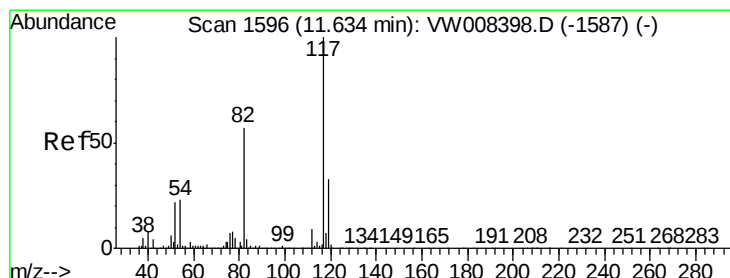
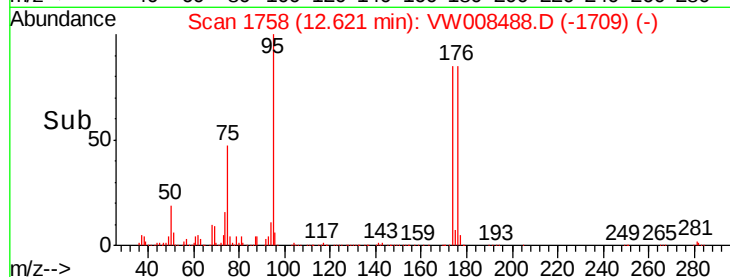
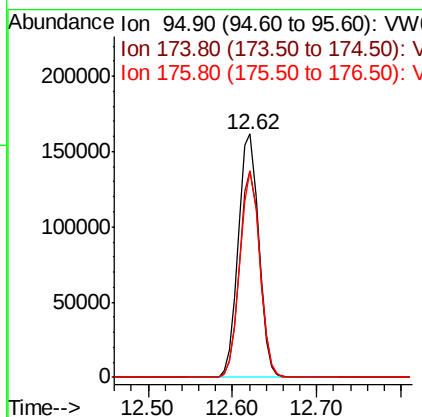
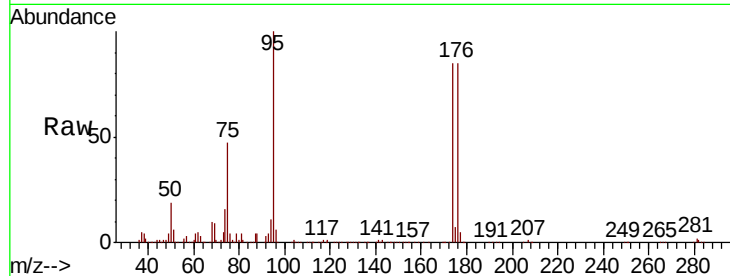




#62
4-Bromofluorobenzene
Concen: 50.254 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

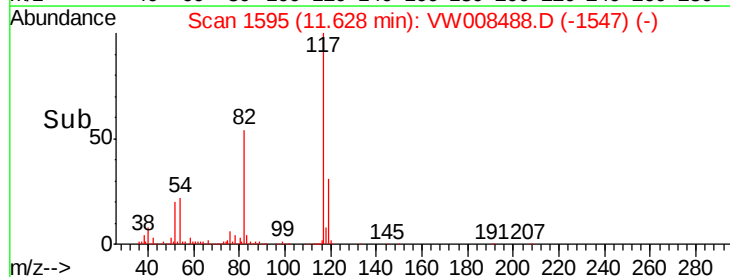
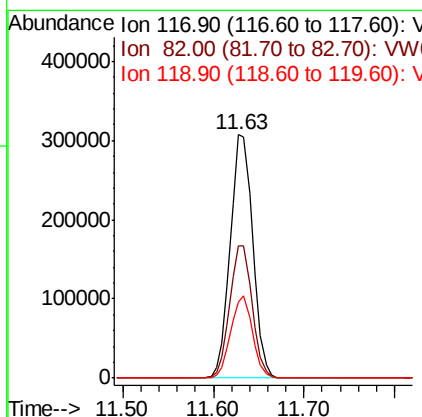
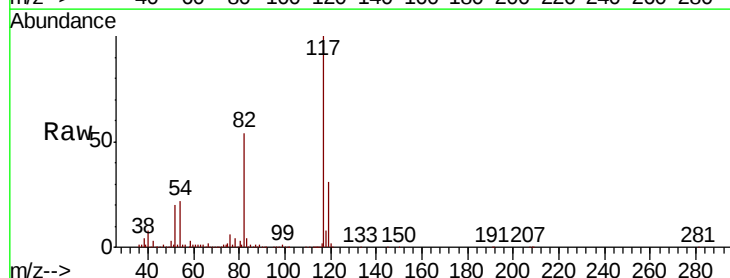
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-03-004-ABCD

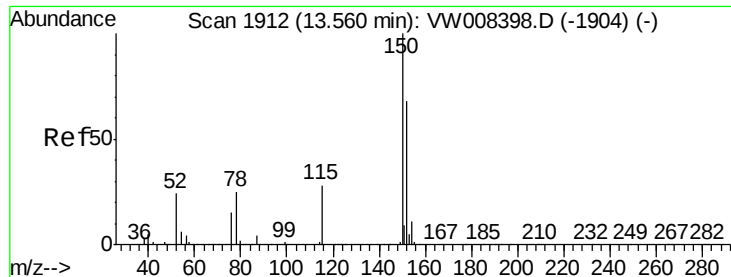
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	157.6
176	82.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008488.D
Acq: 01 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.4	68.0
119	31.4	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-004-ABCD

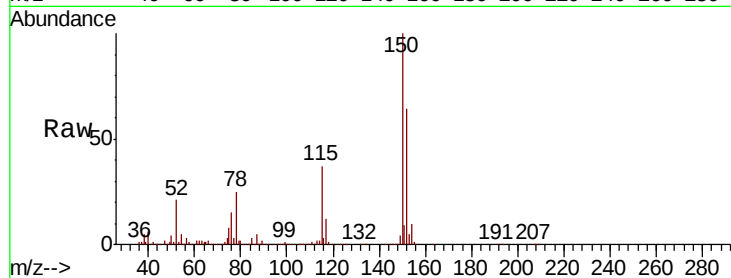
Tgt Ion: 152 Resp: 267282

Ion Ratio Lower Upper

152 100

115 57.6 29.9 89.7

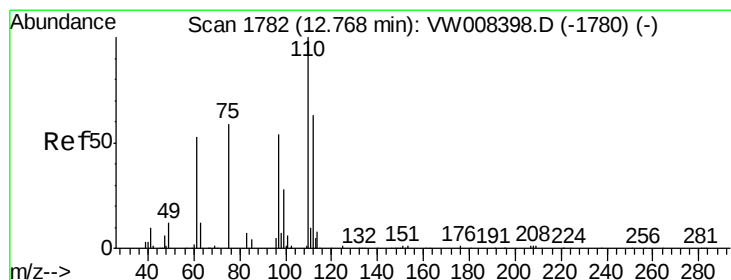
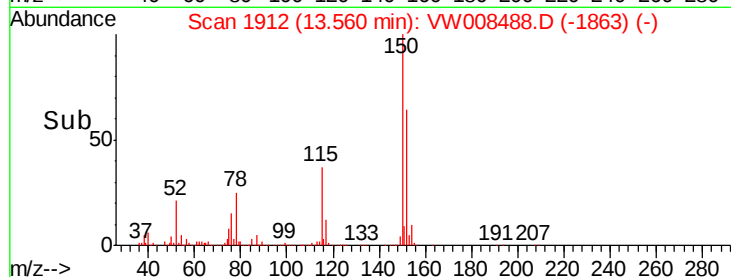
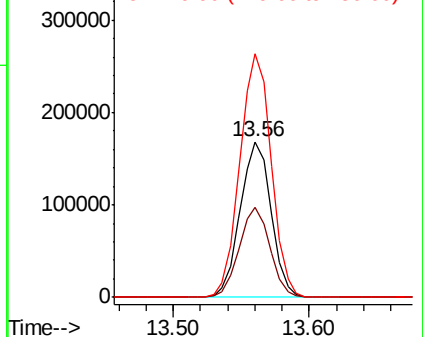
150 158.8 0.0 351.4



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: 55.291 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008488.D

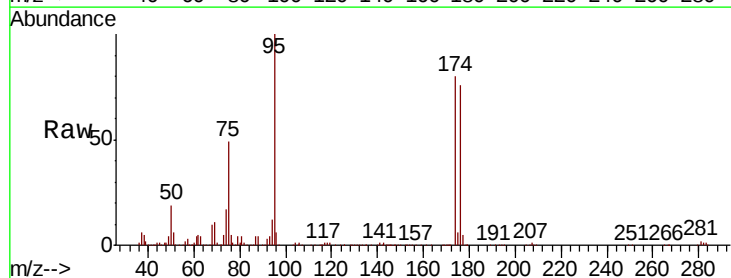
Acq: 01 Feb 2019 18:10

Tgt Ion: 75 Resp: 128488

Ion Ratio Lower Upper

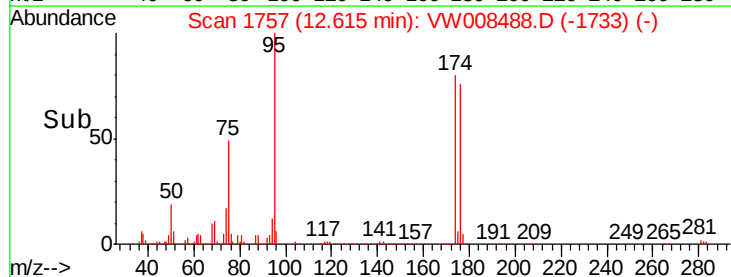
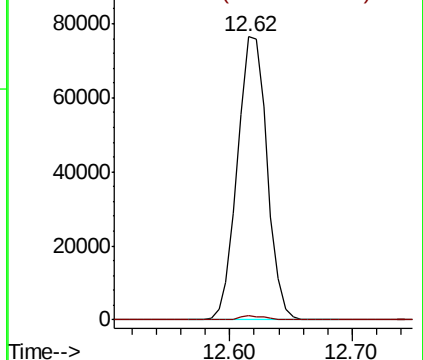
75 100

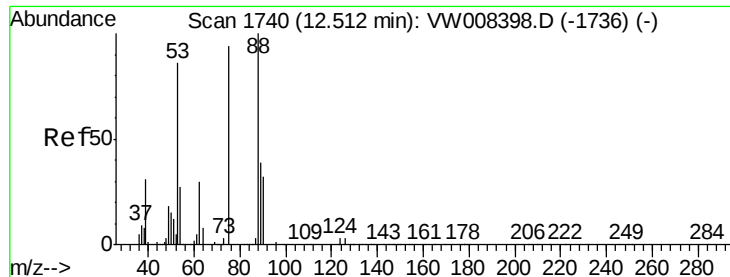
77 1.5 180.7 542.1#



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: 109.205 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008488.D

Acq: 01 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-004-ABCD

Tgt Ion: 75 Resp: 128488

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.1 35.4 53.0#

