

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008831.D
 Acq On : 26 Feb 2019 15:30
 Operator : SY/VA
 Sample : K1620-07
 Misc : 4.77G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04

Quant Time: Feb 27 05:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	359008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	546859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	200000	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	191046	56.74	ug/l	0.00
Spiked Amount			Recovery	=	113.48%	
35) Dibromofluoromethane	7.88	113	172391	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
50) Toluene-d8	10.32	98	648217	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.62	95	209692	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	

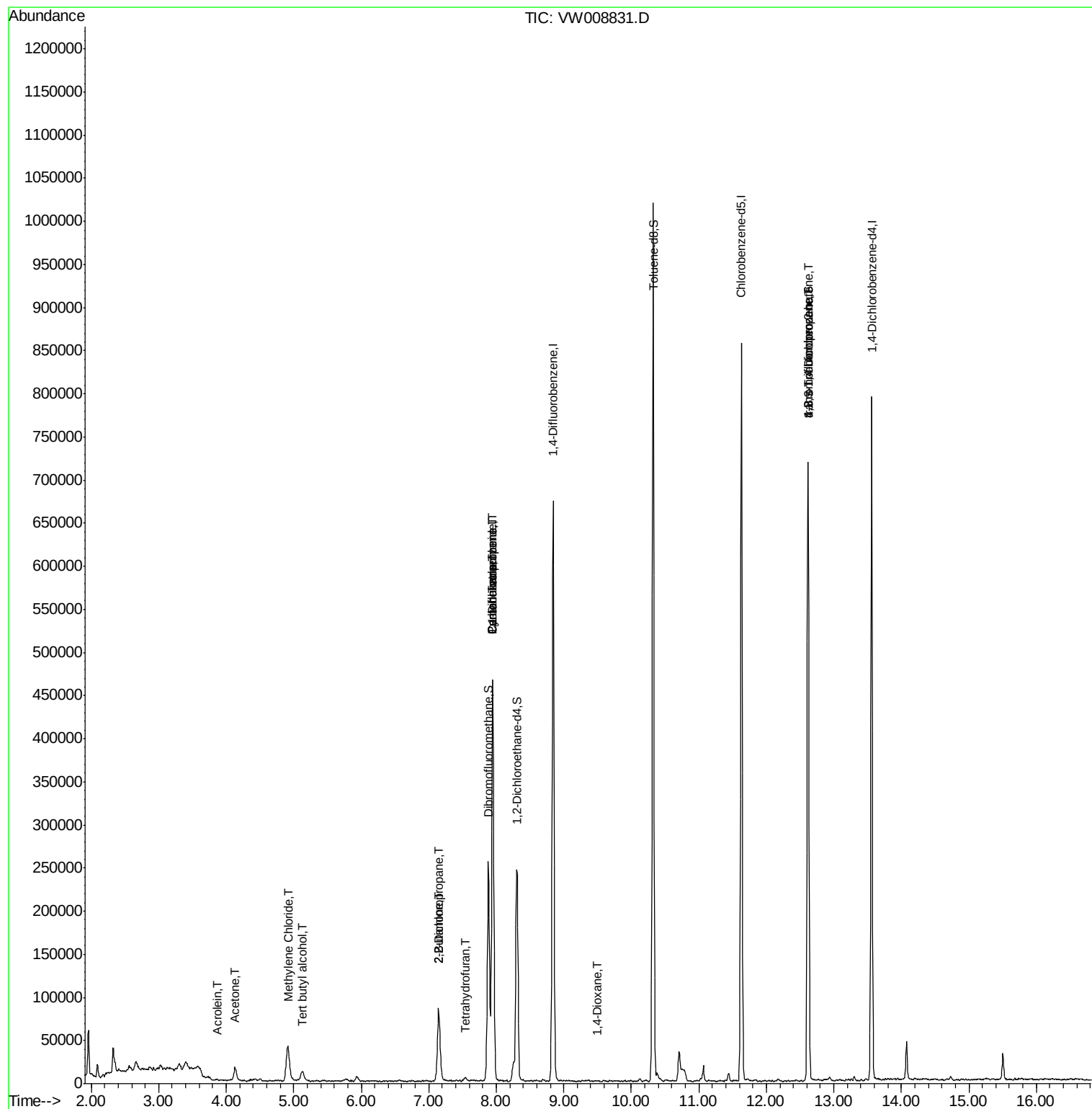
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	10234	34.140	ug/l #	73
13) Acrolein	3.87	56	68	19.978	ug/l #	14
16) Acetone	4.13	43	26702	34.212	ug/l	98
20) Methylene Chloride	4.92	84	31319	3.382	ug/l	92
25) 2-Butanone	7.15	43	4293	3.934	ug/l #	71
26) 2,2-Dichloropropane	7.15	77	6141	1.079	ug/l #	57
29) Tetrahydrofuran	7.54	42	2680	3.854	ug/l	89
31) Cyclohexane	7.95	56	8295	1.307	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	26636	5.004	ug/l #	52
38) Carbon Tetrachloride	7.95	117	34224	6.096	ug/l #	15
49) 1,4-Dioxane	9.51	88	34	1.063	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	111432	67.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	111432	164.056	ug/l #	6

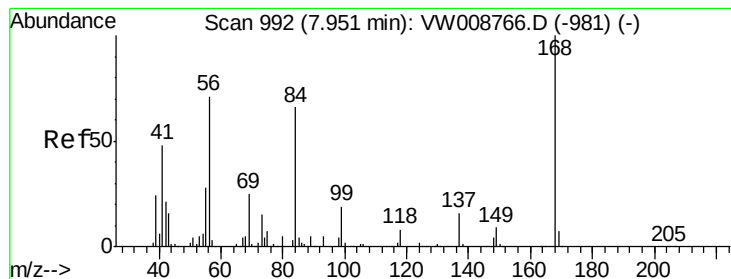
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

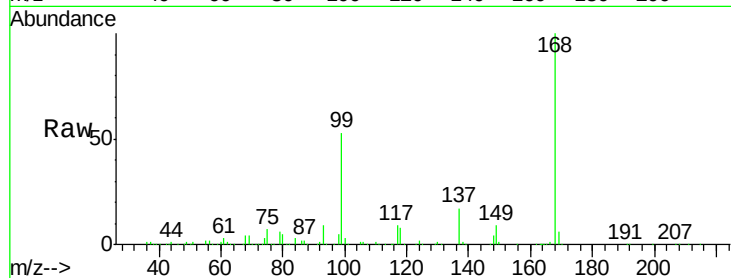
SB-04

Tot Ion:168 Resp: 359008

Ion Ratio Lower Upper

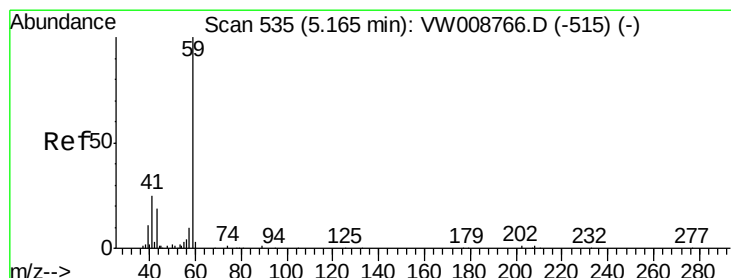
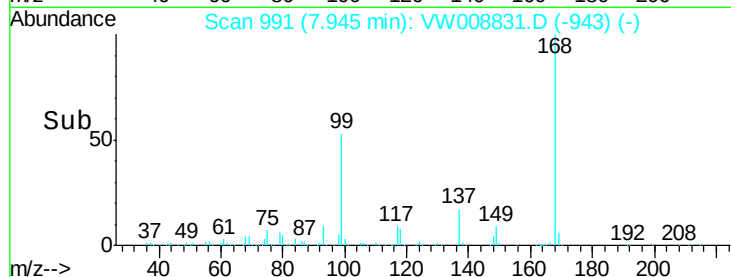
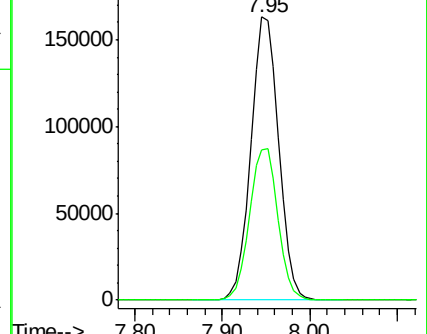
168 100

99 53.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 34.140 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW008831.D

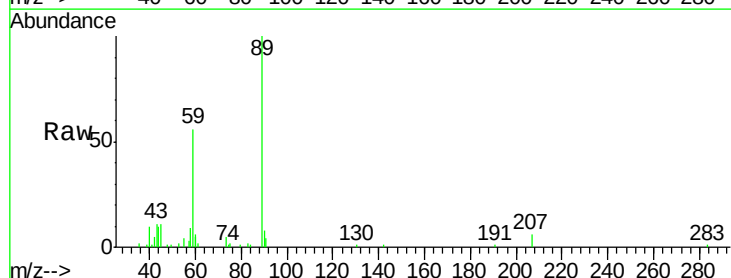
Acq: 26 Feb 2019 15:30

Tgt Ion: 59 Resp: 10234

Ion Ratio Lower Upper

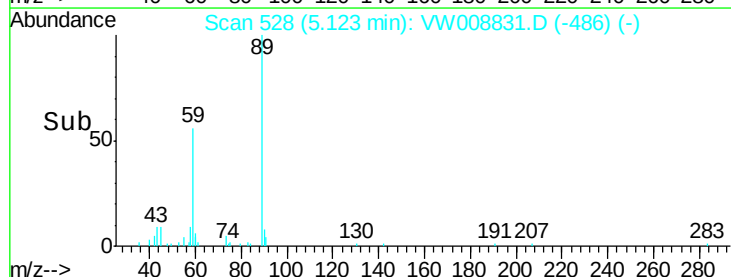
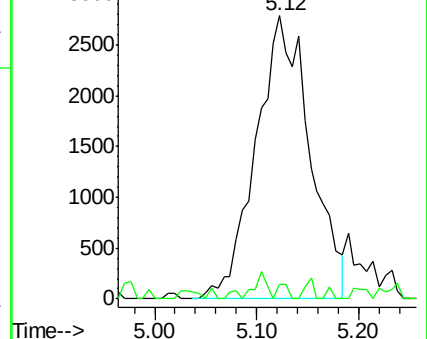
59 100

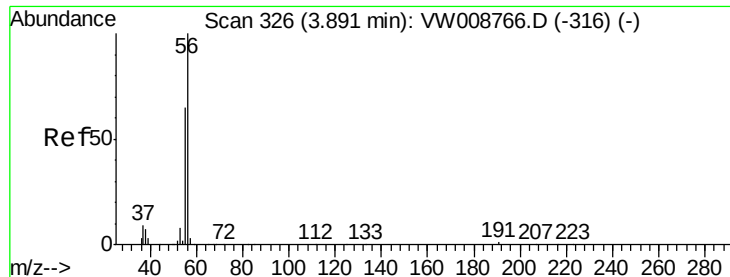
57 1.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 19.978 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampled :

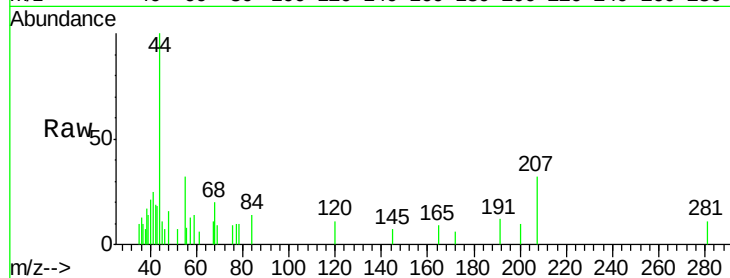
SB-04

Tot Ion: 56 Resp: 68

Ion Ratio Lower Upper

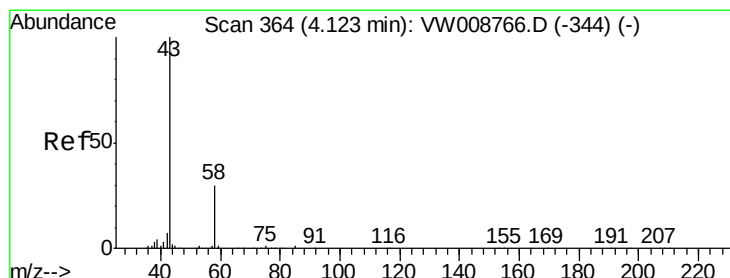
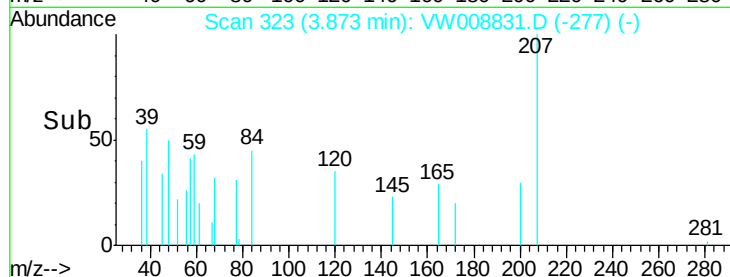
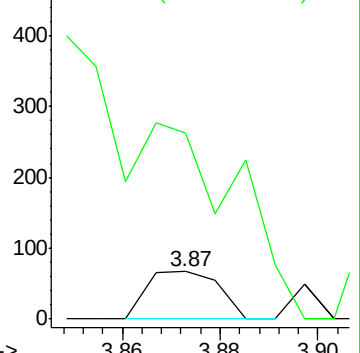
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 34.212 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008831.D

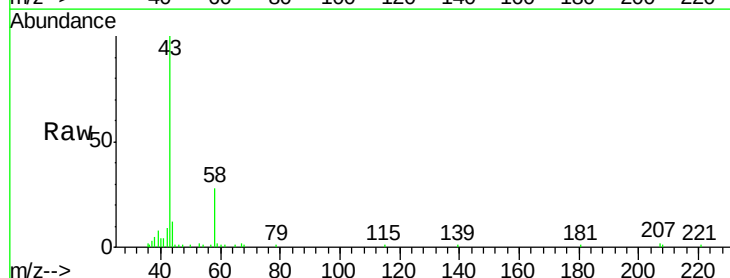
Acq: 26 Feb 2019 15:30

Tgt Ion: 43 Resp: 26702

Ion Ratio Lower Upper

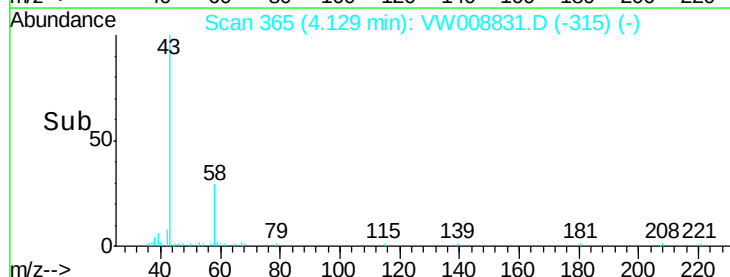
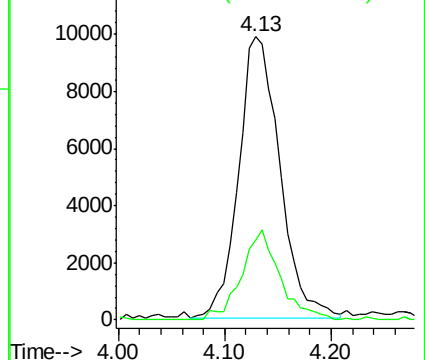
43 100

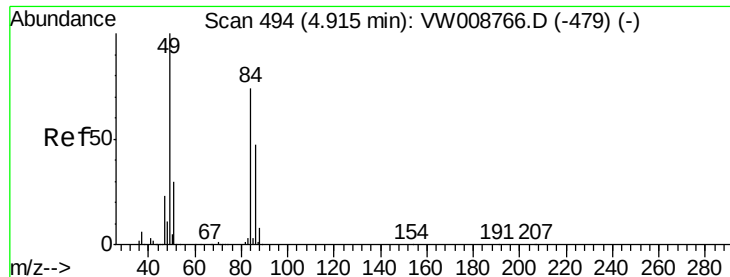
58 28.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

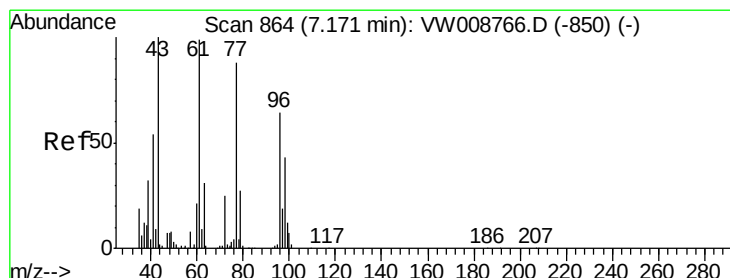
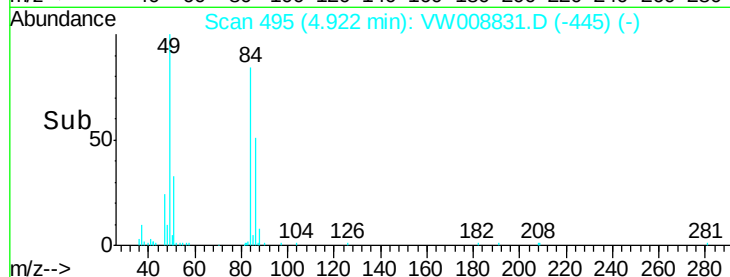
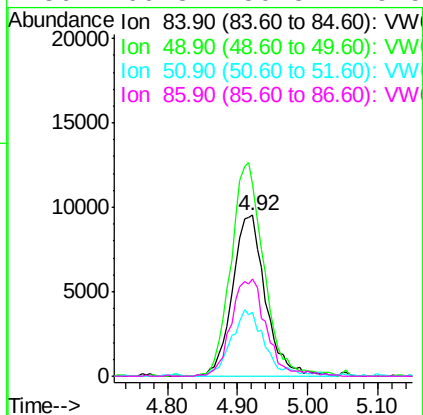
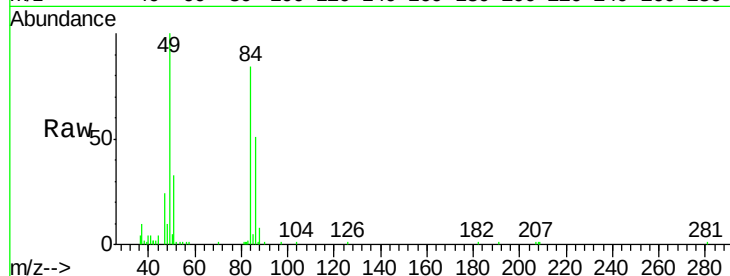




#20
Methylene Chloride
Concen: 3.382 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

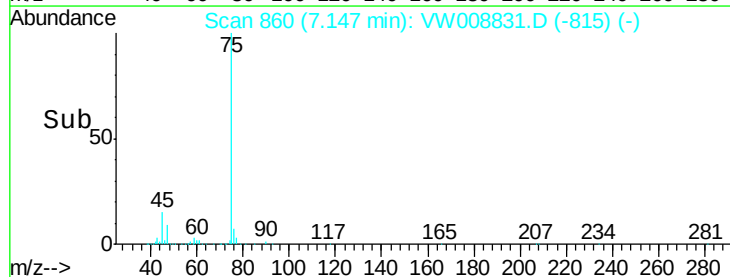
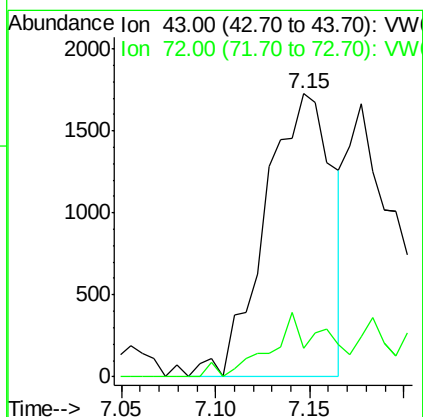
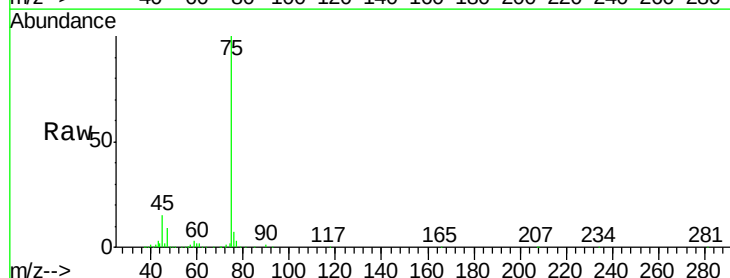
Instrument :
MSVOA_W
ClientSampleId :
SB-04

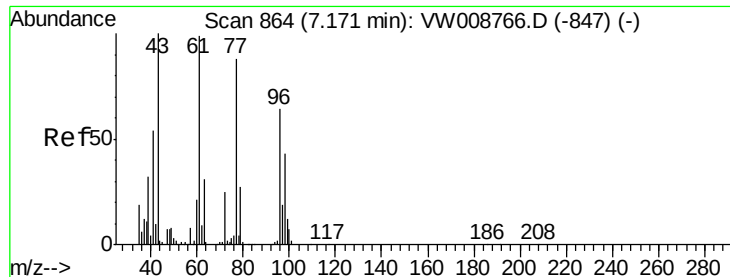
Tot Ion: 84 Resp: 31319
Ion Ratio Lower Upper
84 100
49 119.6 108.2 162.2
51 39.9 32.7 49.1
86 60.8 50.3 75.5



#25
2-Butanone
Concen: 3.934 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

Tgt Ion: 43 Resp: 4293
Ion Ratio Lower Upper
43 100
72 10.2 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.079 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampled :

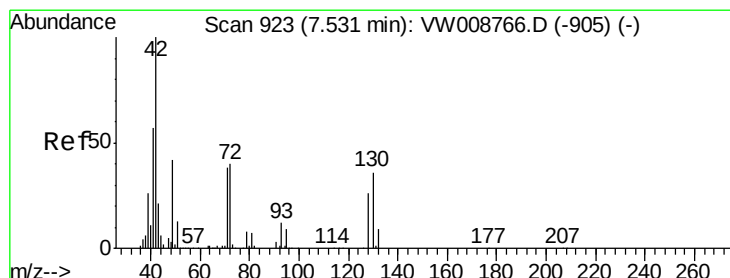
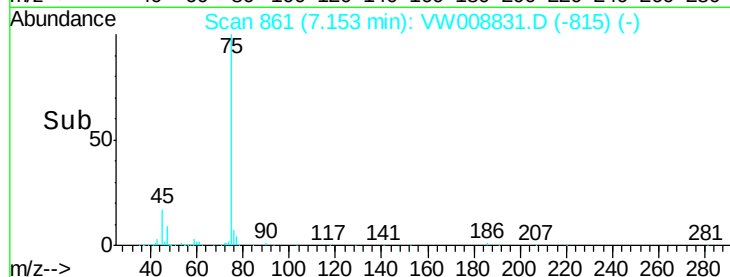
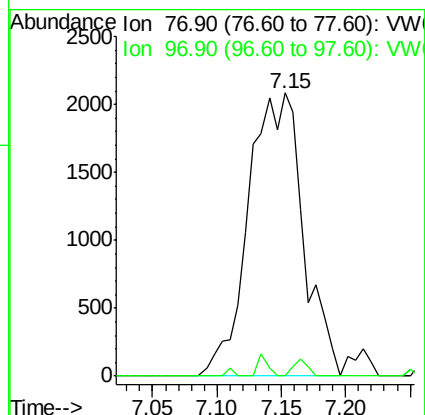
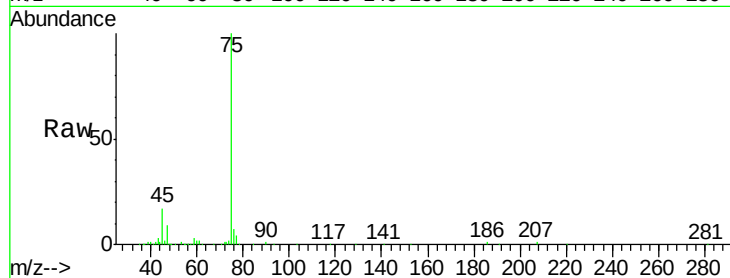
SB-04

Tot Ion: 77 Resp: 6141

Ion Ratio Lower Upper

77 100

97 1.5 11.0 33.0#



#29

Tetrahydrofuran

Concen: 3.854 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

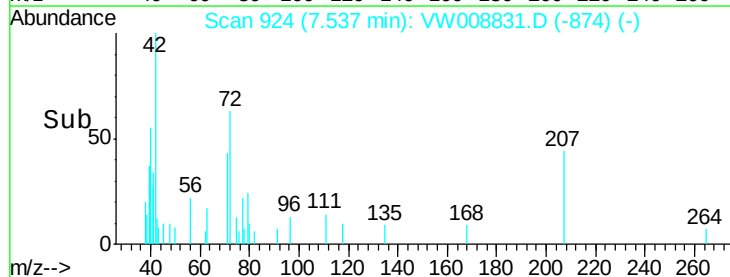
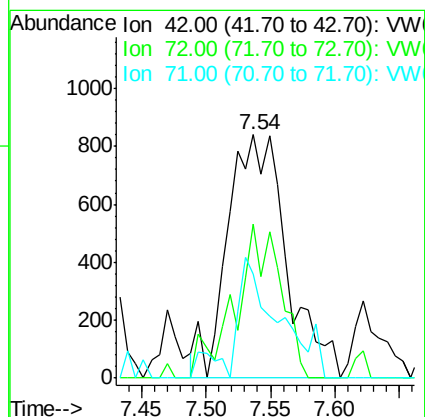
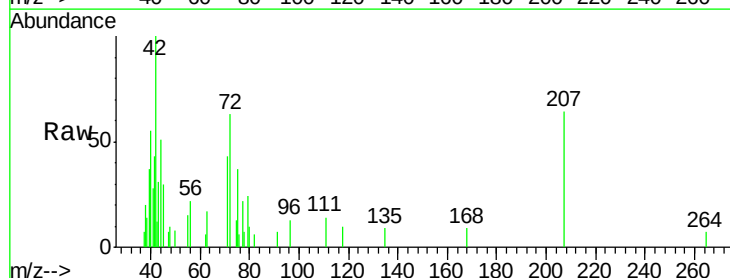
Tgt Ion: 42 Resp: 2680

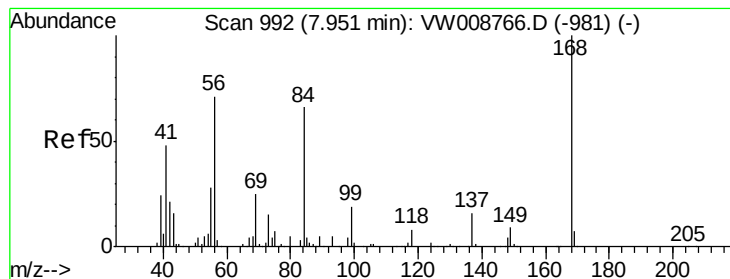
Ion Ratio Lower Upper

42 100

72 48.8 32.7 49.1

71 33.2 31.3 46.9





#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

SB-04

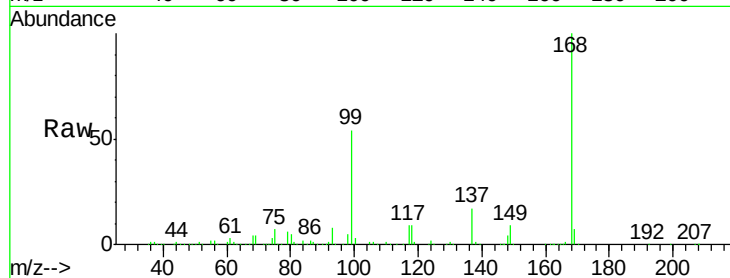
Tot Ion: 56 Resp: 8295

Ion Ratio Lower Upper

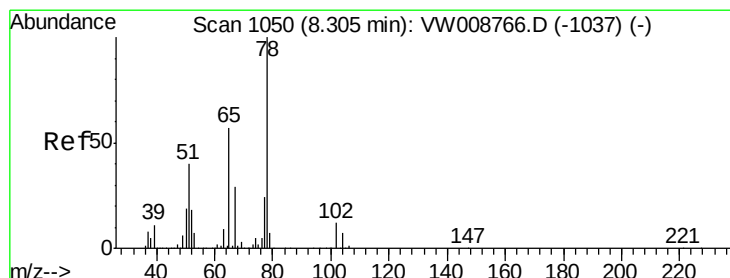
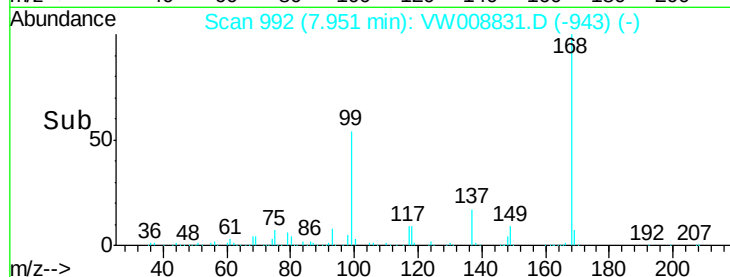
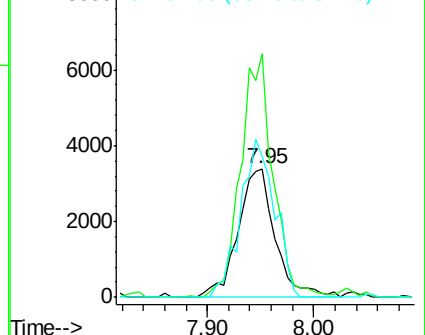
56 100

69 187.6 28.2 42.4#

84 109.9 74.1 111.1



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: 56.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008831.D

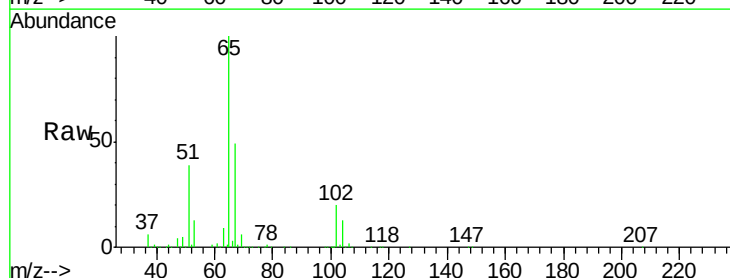
Acq: 26 Feb 2019 15:30

Tgt Ion: 65 Resp: 191046

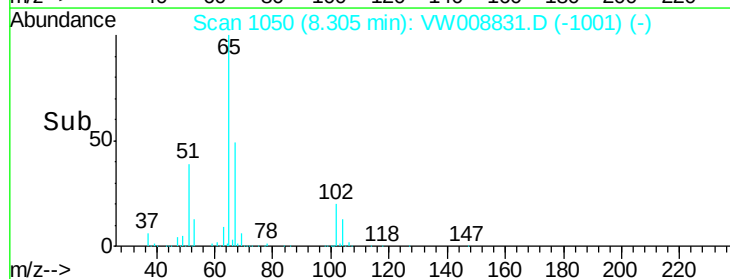
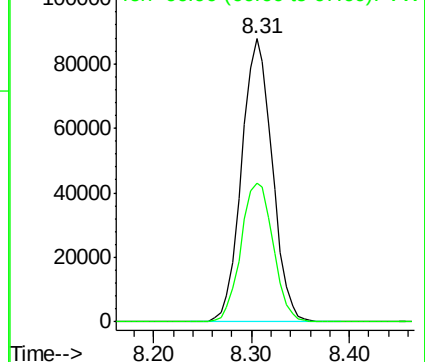
Ion Ratio Lower Upper

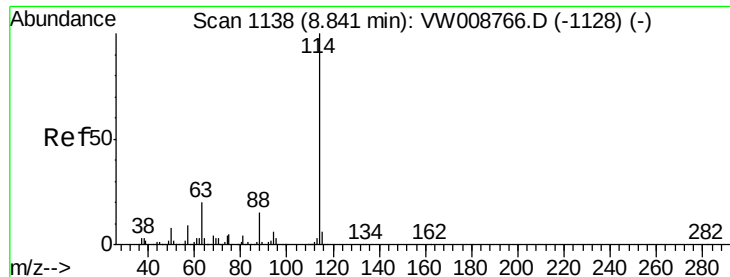
65 100

67 51.5 0.0 101.4



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

SB-04

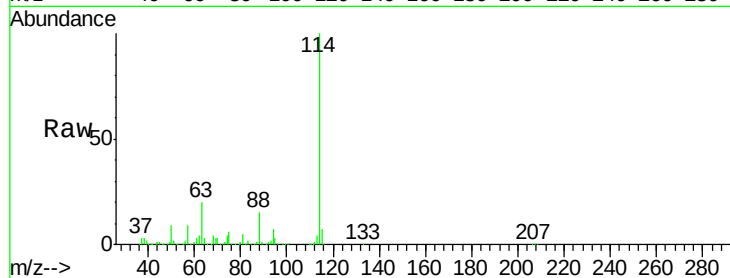
Tot Ion:114 Resp: 546859

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

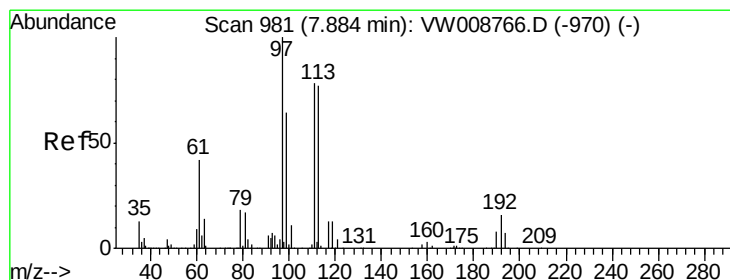
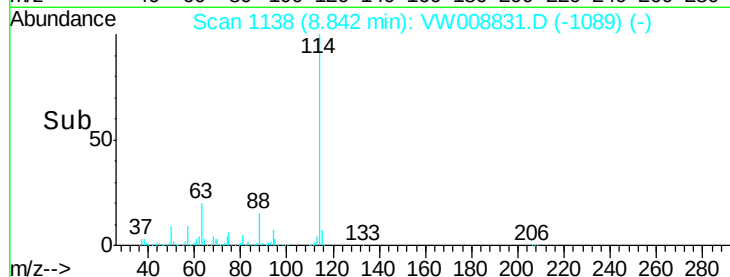
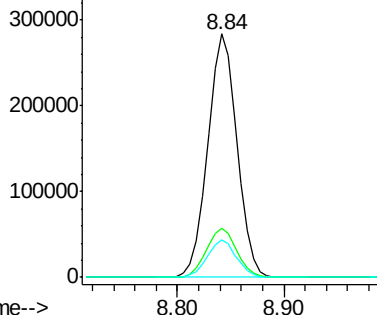
88 15.3 0.0 30.4



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: 52.504 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

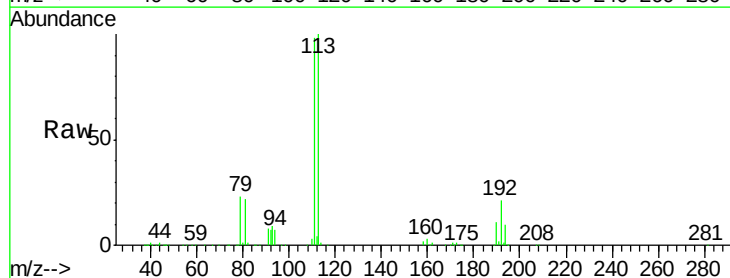
Tgt Ion:113 Resp: 172391

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

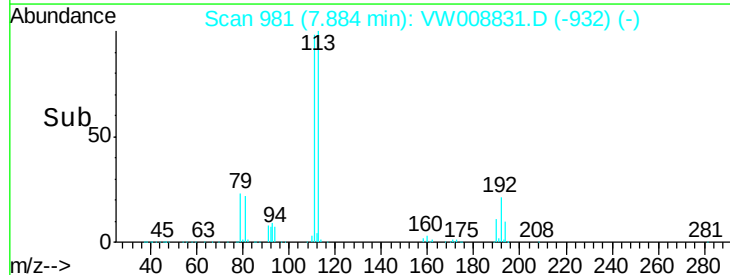
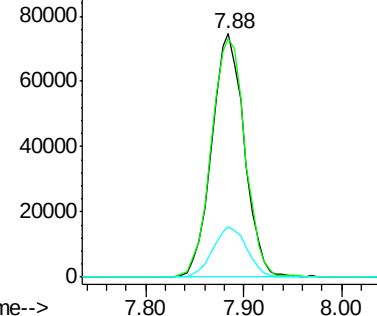
192 21.5 17.1 25.7

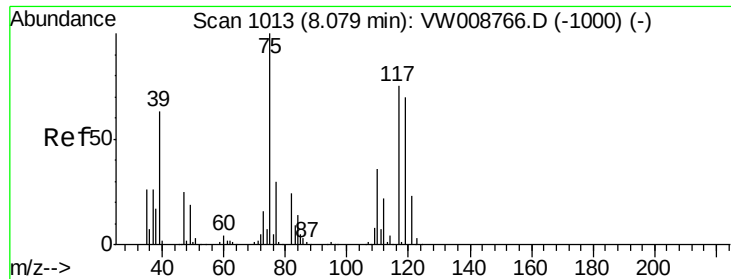


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

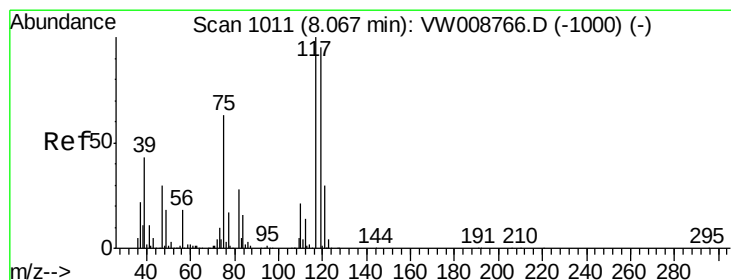
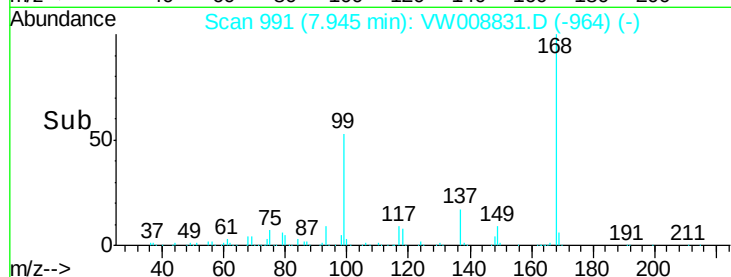
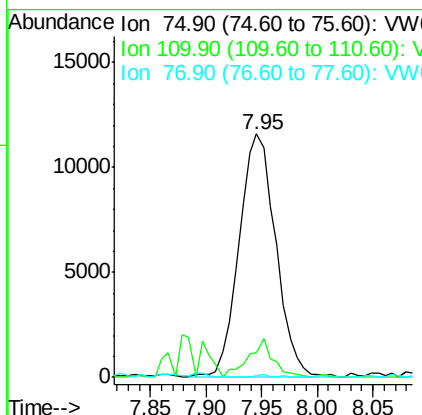
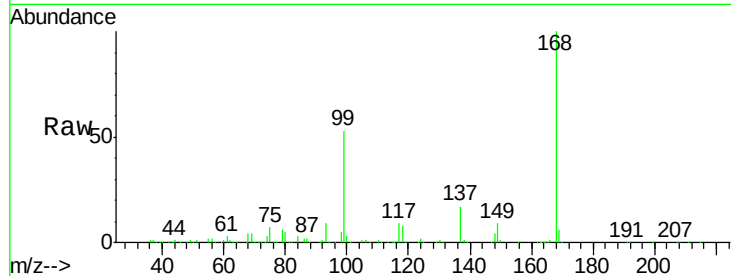




#36
 1,1-Dichloropropene
 Concen: 5.004 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008831.D
 Acq: 26 Feb 2019 15:30

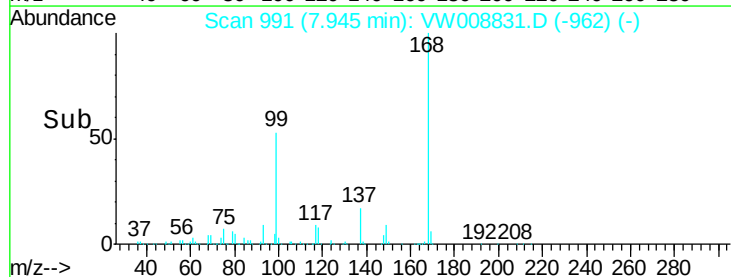
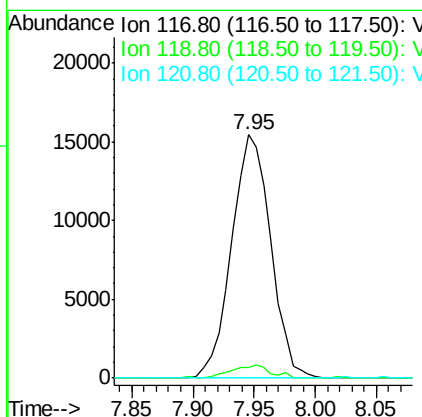
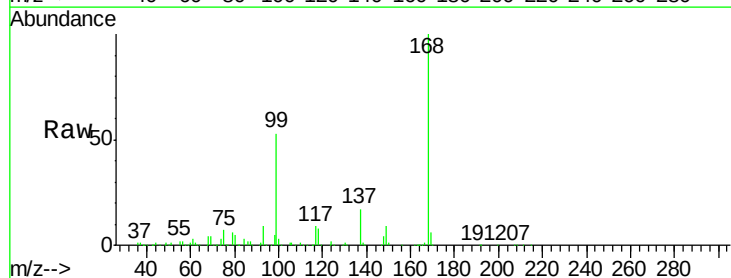
Instrument :
 MSVOA_W
 ClientSampled :
 SB-04

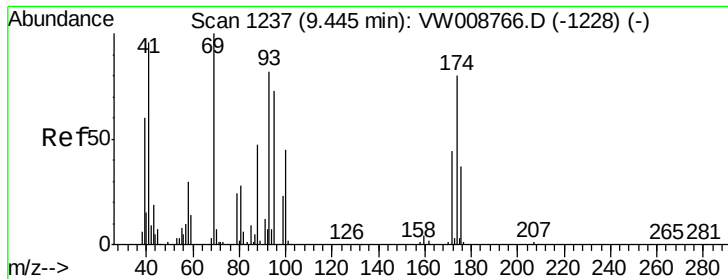
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.5	52.6#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.096 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008831.D
 Acq: 26 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.1	114.1#
121	0.0	24.0	36.0#

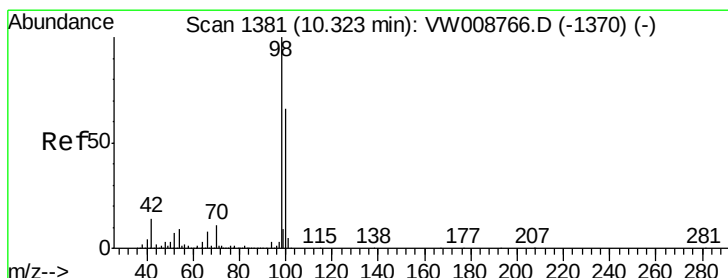
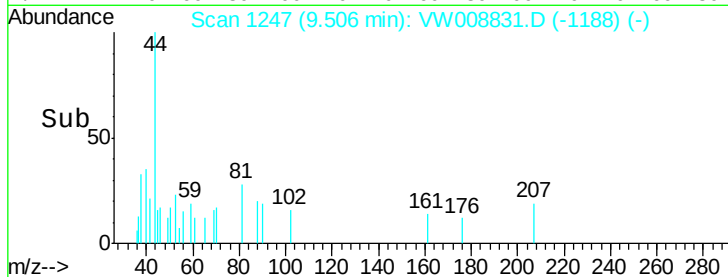
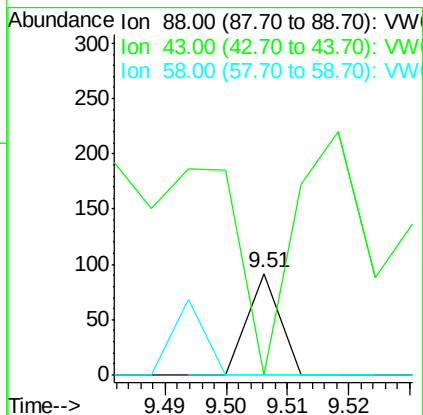
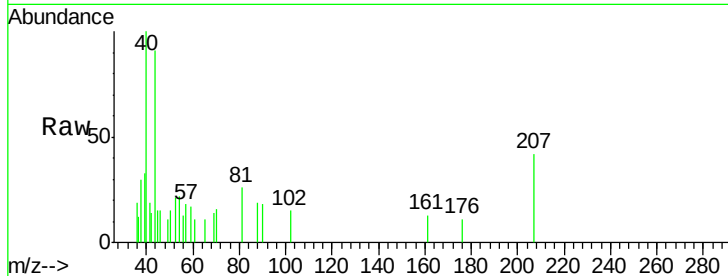




#49
1,4-Dioxane
Concen: 1.063 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

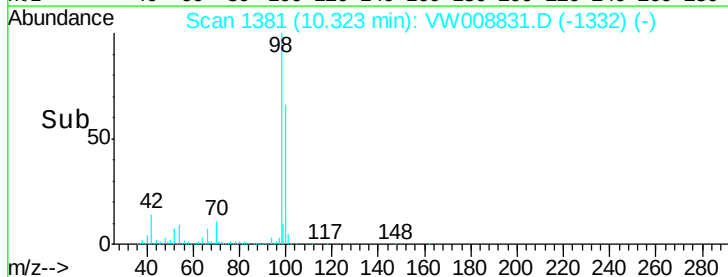
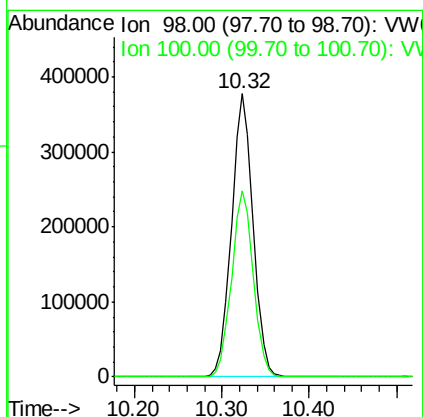
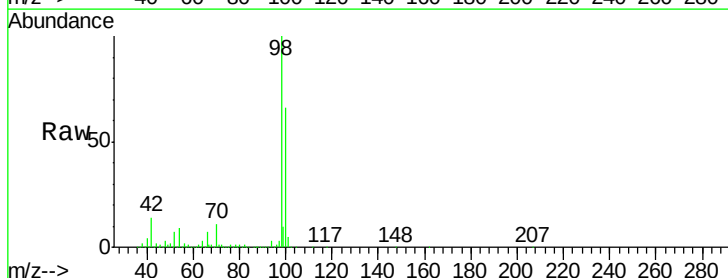
Instrument :
MSVOA_W
ClientSampleId :
SB-04

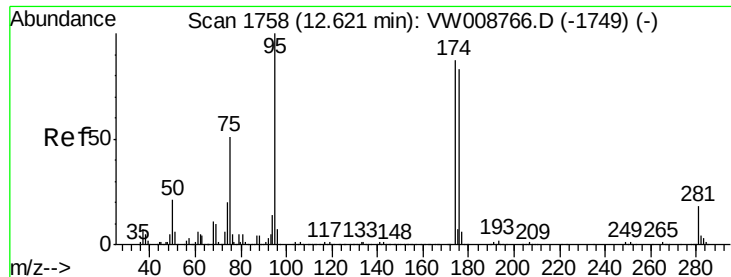
Tot Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 73.5 52.0 78.0



#50
Toluene-d8
Concen: 51.142 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

Tgt Ion: 98 Resp: 648217
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

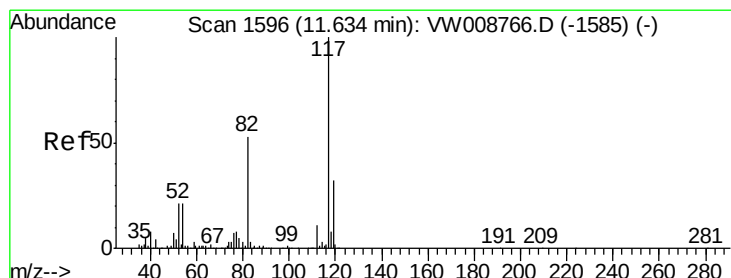
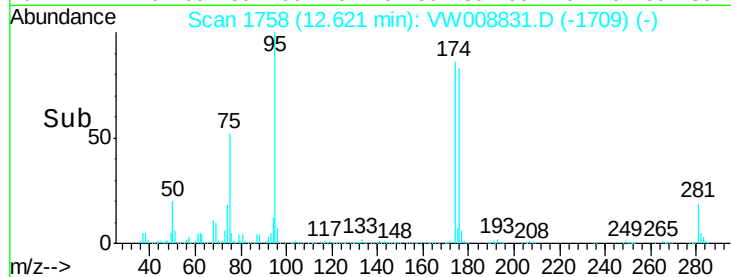
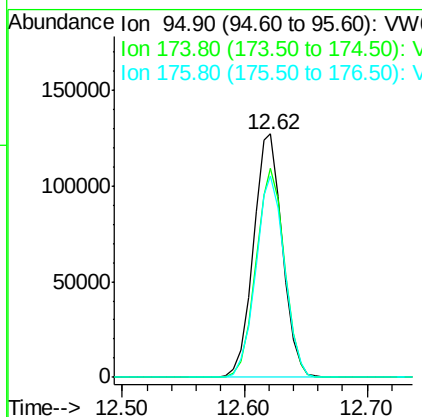
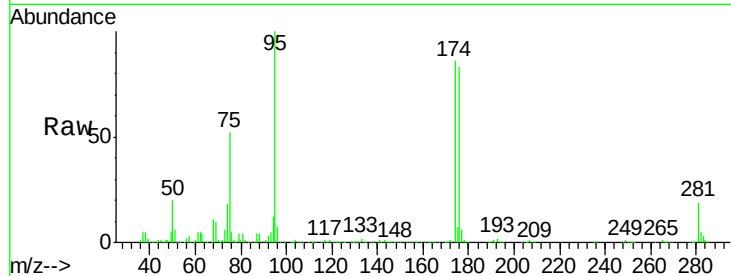




#62
4-Bromofluorobenzene
Concen: 42.253 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

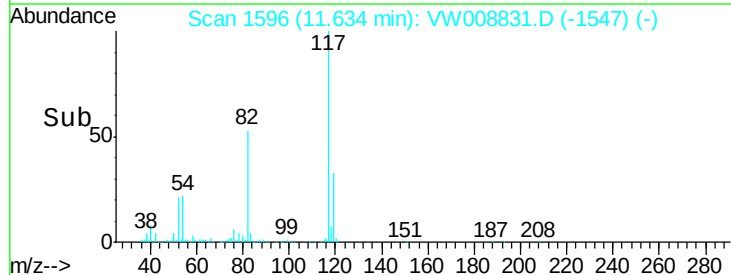
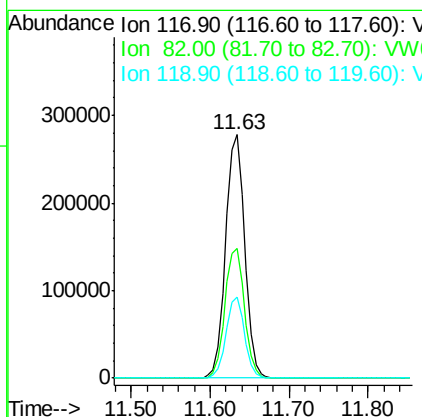
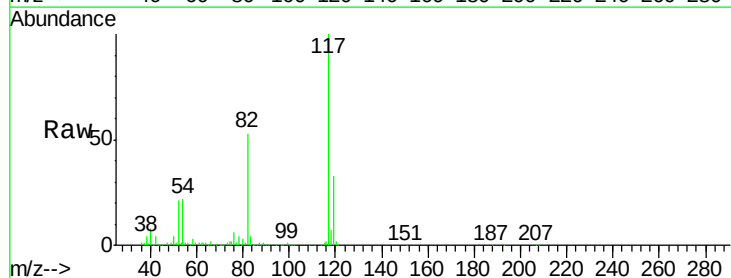
Instrument :
MSVOA_W
ClientSampleId :
SB-04

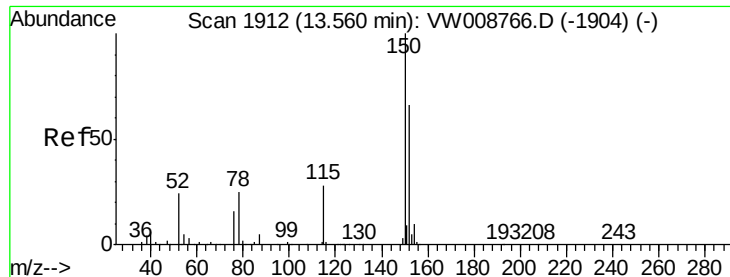
Tot Ion: 95 Resp: 209692
Ion Ratio Lower Upper
95 100
174 84.4 0.0 169.2
176 82.0 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008831.D
Acq: 26 Feb 2019 15:30

Tgt Ion: 117 Resp: 468045
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.4
119 33.3 25.9 38.9

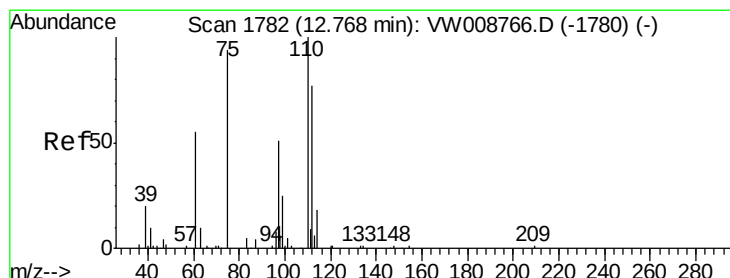
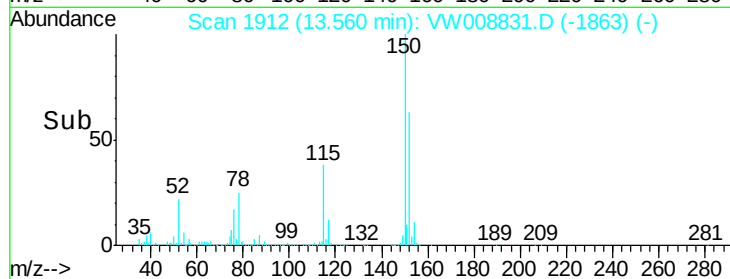
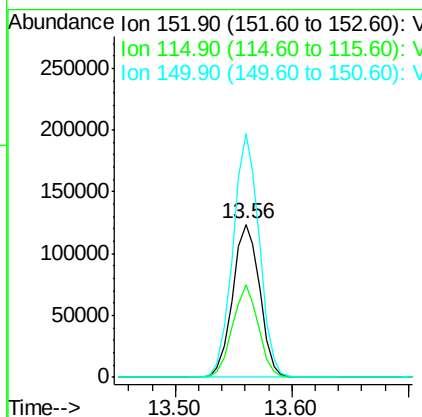
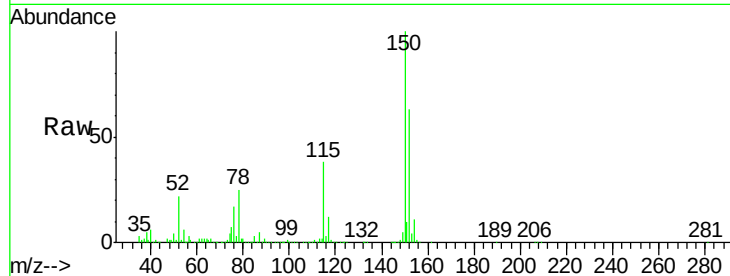




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008831.D
 Acq: 26 Feb 2019 15:30

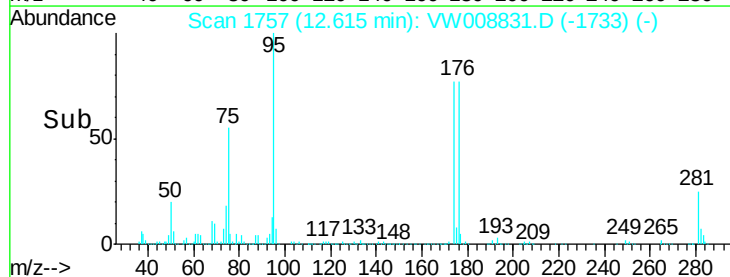
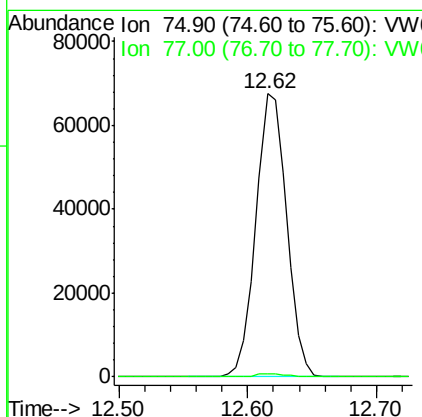
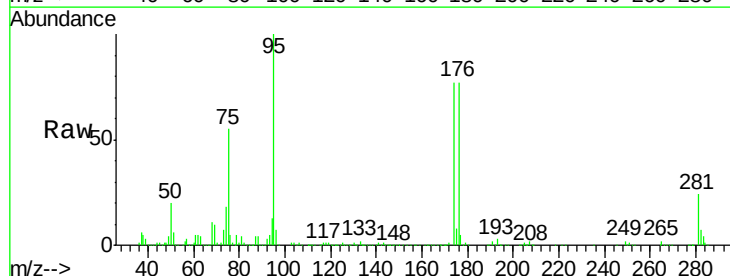
Instrument :
 MSVOA_W
 ClientSampled :
 SB-04

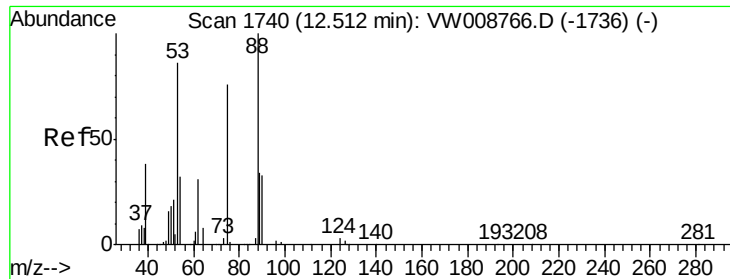
Tot Ion:152 Resp: 200000
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.6 85.8
 150 154.5 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 67.483 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008831.D
 Acq: 26 Feb 2019 15:30

Tgt Ion: 75 Resp: 111432
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 164.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008831.D

Acq: 26 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

SB-04

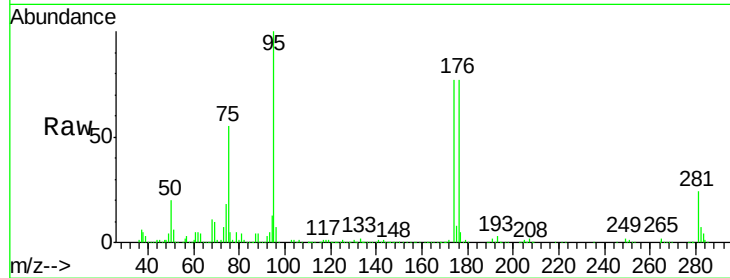
Tot Ion: 75 Resp: 111432

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.5 39.5 59.3#



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

