

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008952.D
 Acq On : 02 Mar 2019 06:26
 Operator : SY/VA
 Sample : K1675-27RE
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-12-BRE

Quant Time: Mar 03 23:52:36 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	295807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	465432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199264	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	170563	61.48	ug/l	0.00
Spiked Amount			Recovery	=	122.96%	
35) Dibromofluoromethane	7.88	113	143429	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.32	98	564511	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.62	95	189447	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

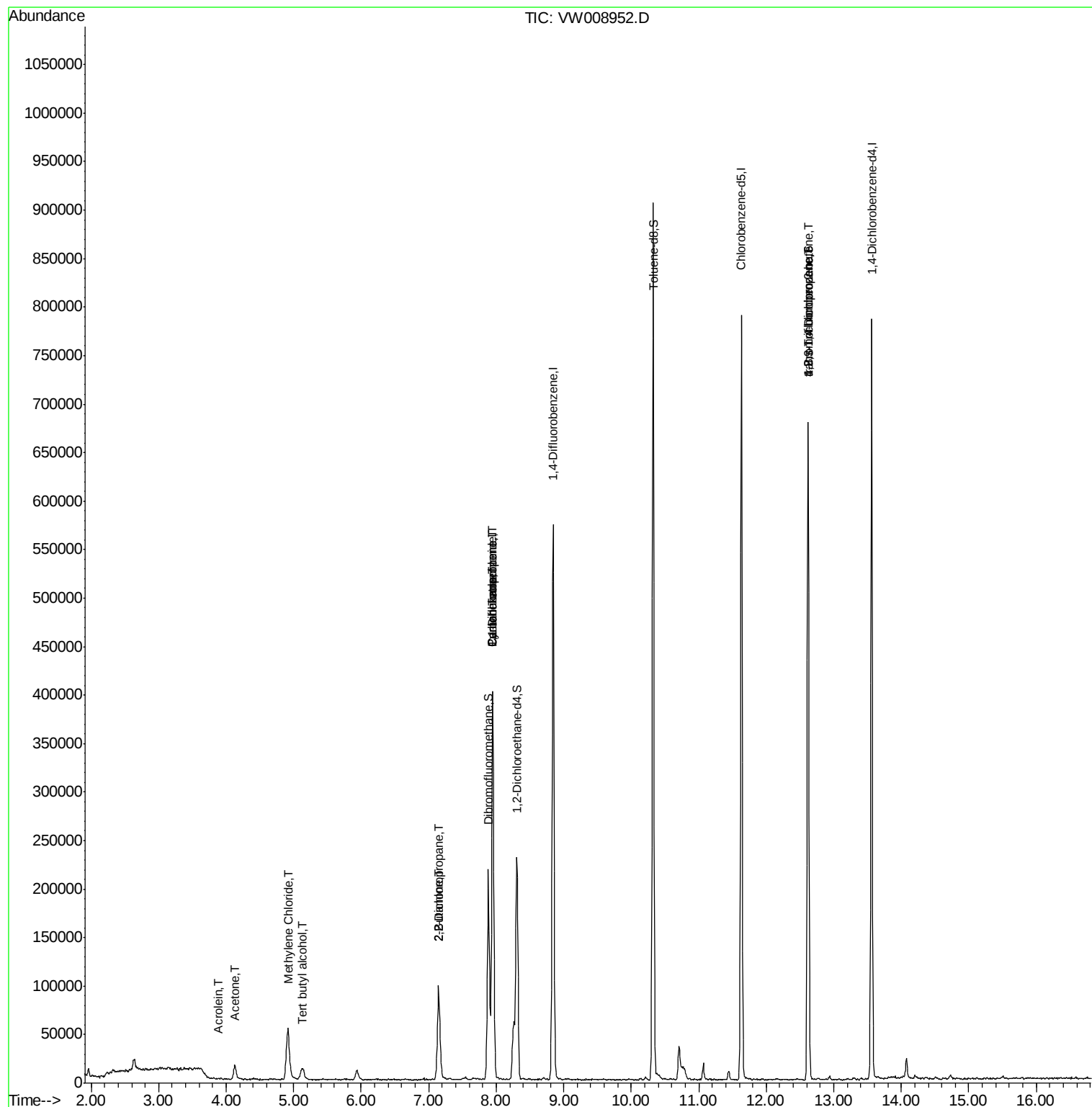
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	11414	46.211	ug/l #	73
13) Acrolein	3.89	56	86	20.084	ug/l	95
16) Acetone	4.13	43	26056	40.517	ug/l	100
20) Methylene Chloride	4.92	84	40460	8.535	ug/l	93
25) 2-Butanone	7.15	43	6522	7.254	ug/l	94
26) 2,2-Dichloropropane	7.15	77	6489	1.383	ug/l #	54
31) Cyclohexane	7.95	56	7046	1.347	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	23329	5.149	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29227	6.117	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	100085	60.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100085	147.894	ug/l #	6

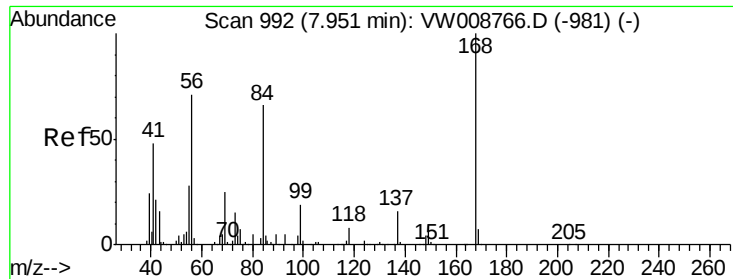
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

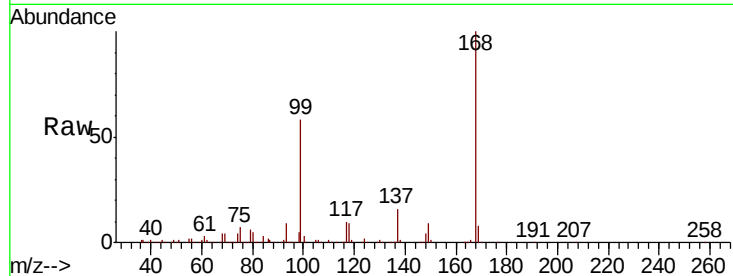
Z-3-12-BRE

Tgt Ion:168 Resp: 295807

Ion Ratio Lower Upper

168 100

99 58.1 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

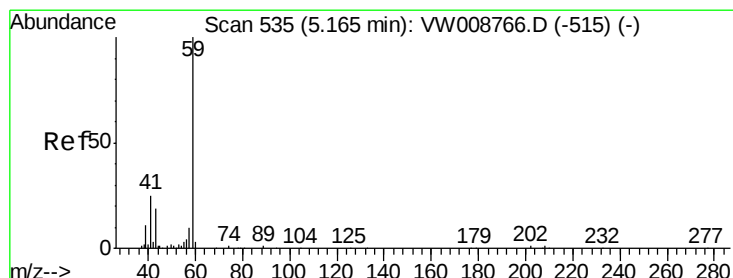
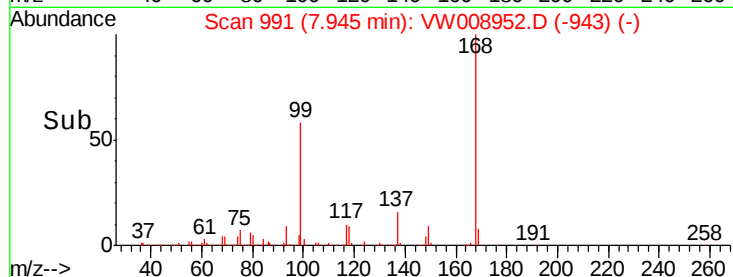
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 46.211 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW008952.D

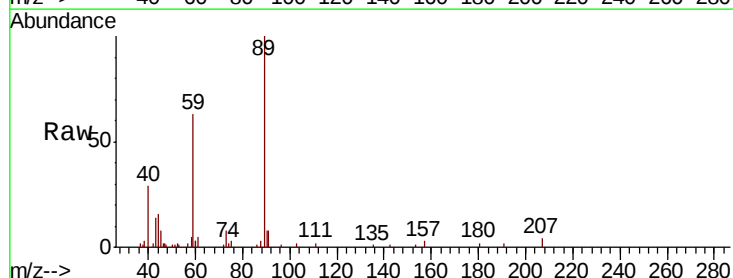
Acq: 02 Mar 2019 06:26

Tgt Ion: 59 Resp: 11414

Ion Ratio Lower Upper

59 100

57 1.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

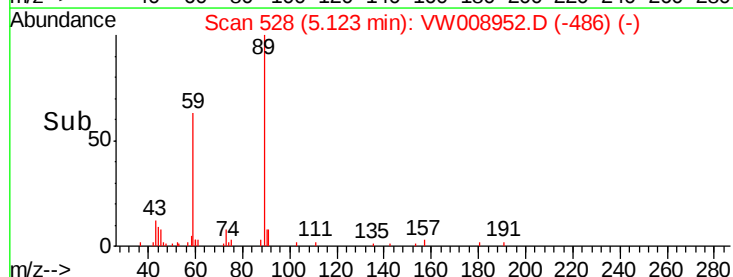
3000

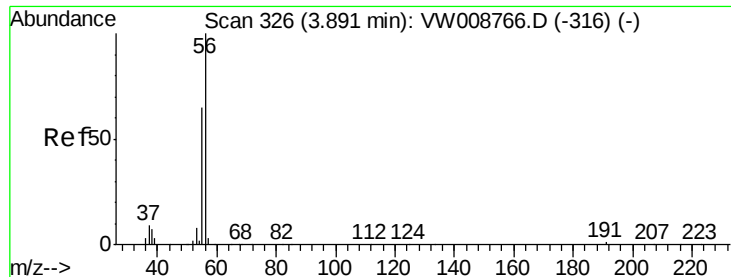
2000

1000

0

Time--> 5.00 5.10 5.20





#13

Acrolein

Concen: 20.084 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

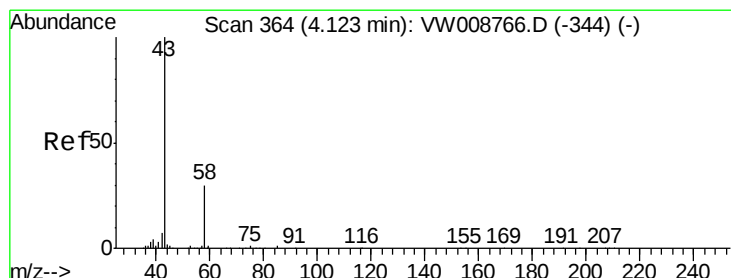
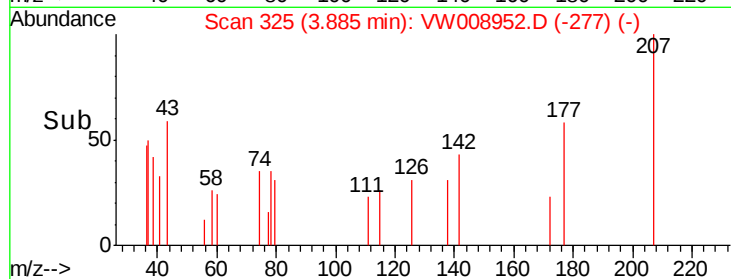
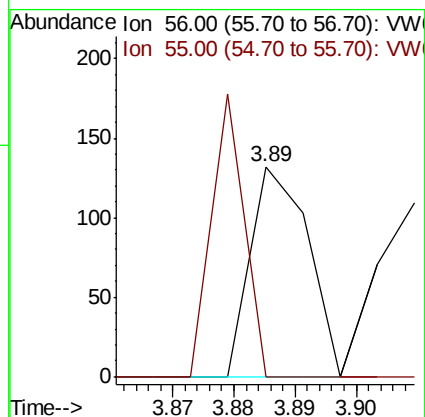
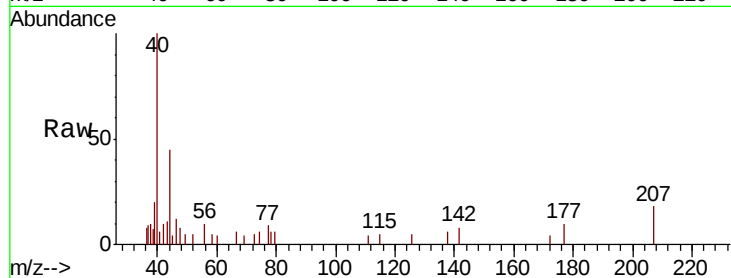
Z-3-12-BRE

Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 75.6 56.9 85.3



#16

Acetone

Concen: 40.517 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008952.D

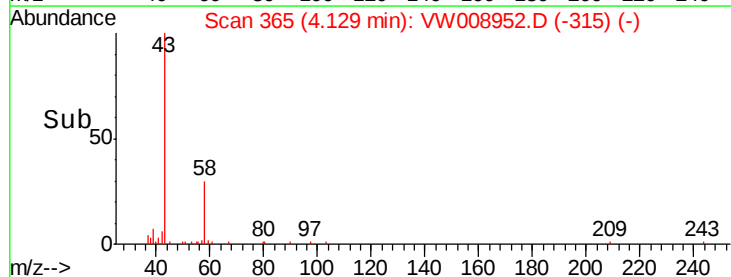
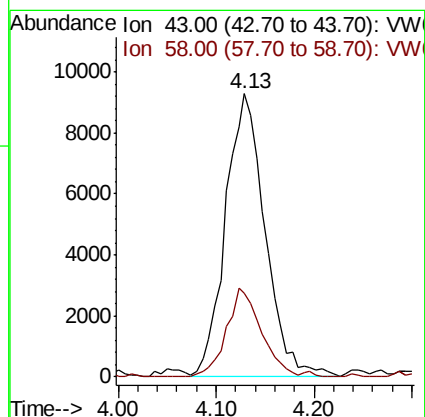
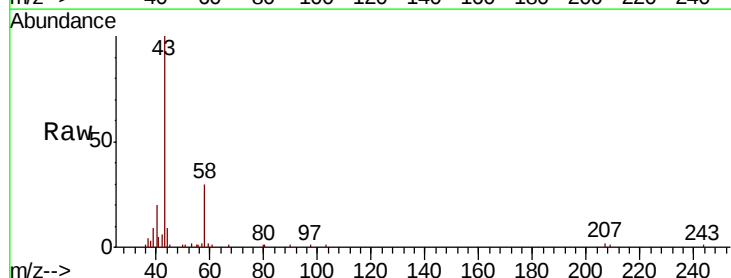
Acq: 02 Mar 2019 06:26

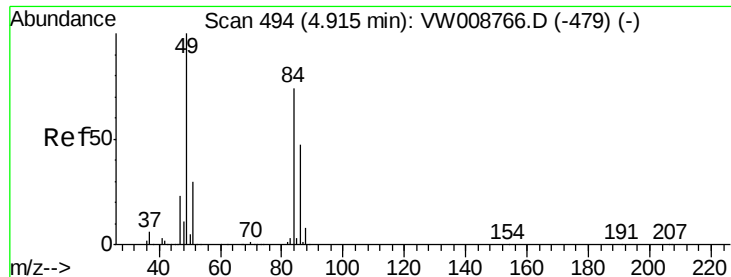
Tgt Ion: 43 Resp: 26056

Ion Ratio Lower Upper

43 100

58 29.8 23.8 35.6

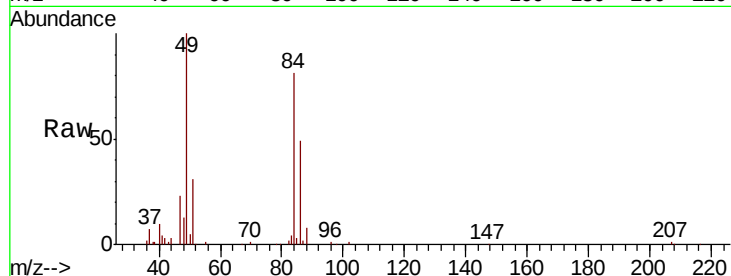




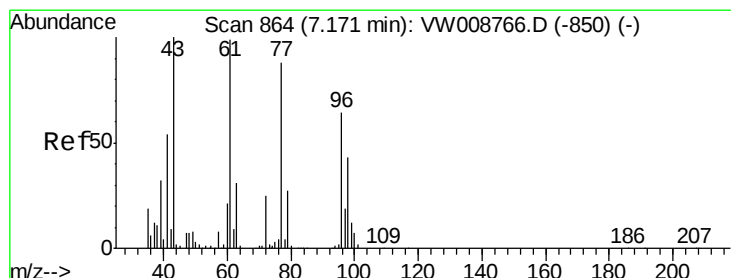
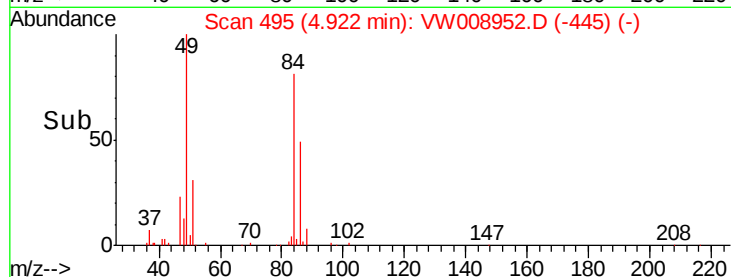
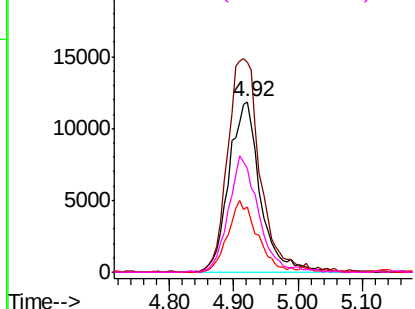
#20
Methylene Chloride
Concen: 8.535 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008952.D
Acq: 02 Mar 2019 06:26

Instrument :
MSVOA_W
ClientSampled :
Z-3-12-BRE

Tgt Ion: 84 Resp: 40460
Ion Ratio Lower Upper
84 100
49 123.4 108.2 162.2
51 38.4 32.7 49.1
86 60.3 50.3 75.5

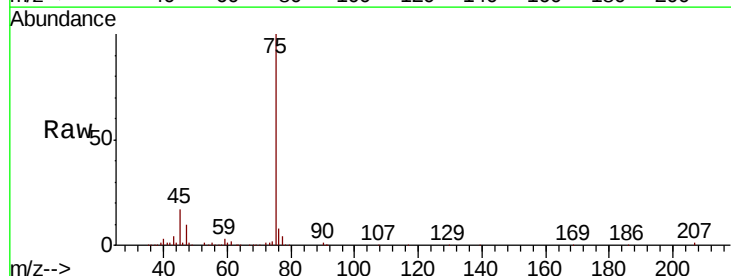


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

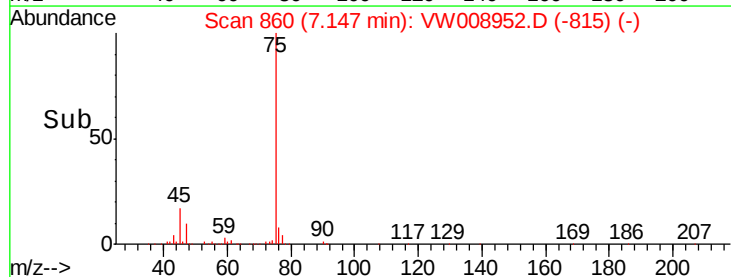
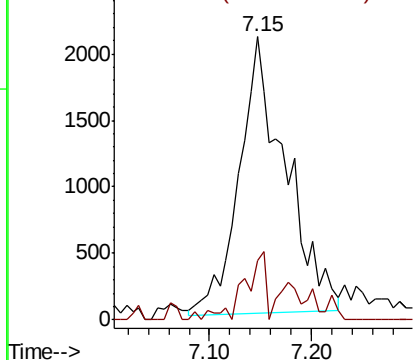


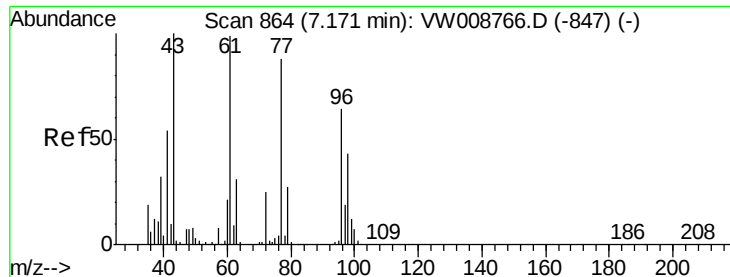
#25
2-Butanone
Concen: 7.254 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008952.D
Acq: 02 Mar 2019 06:26

Tgt Ion: 43 Resp: 6522
Ion Ratio Lower Upper
43 100
72 21.7 19.7 29.5



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

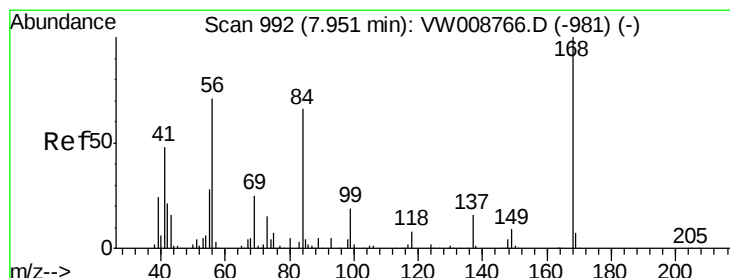
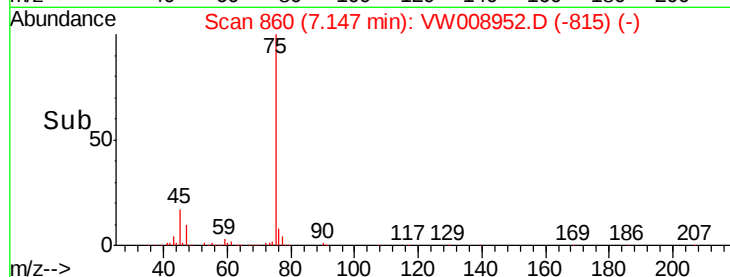
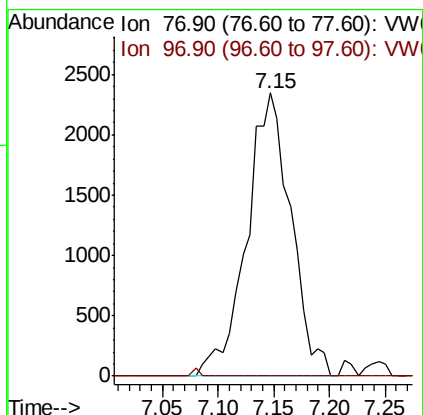
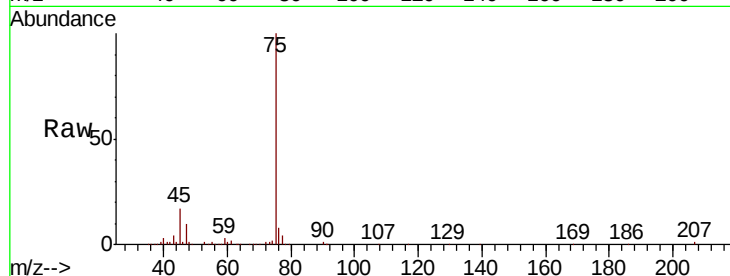




#26
 2,2-Dichloropropane
 Concen: 1.383 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008952.D
 Acq: 02 Mar 2019 06:26

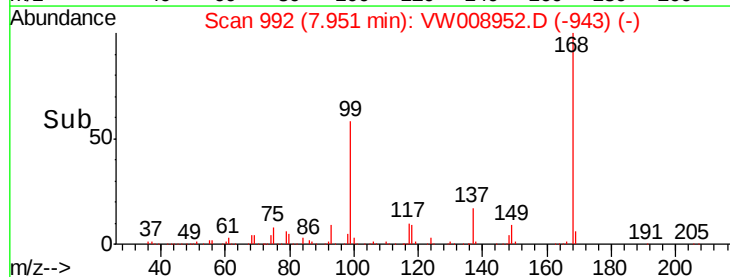
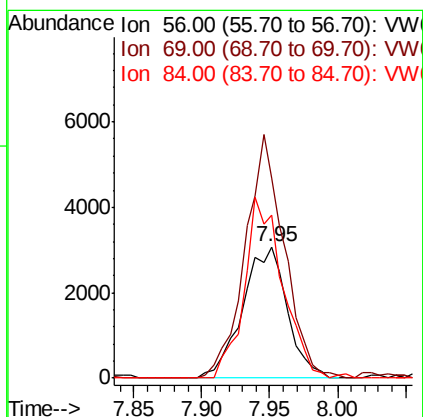
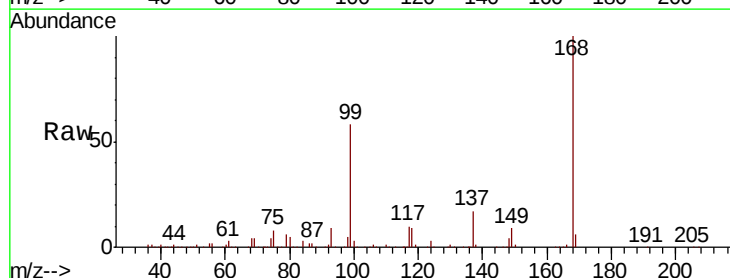
Instrument :
 MSVOA_W
 ClientSampled :
 Z-3-12-BRE

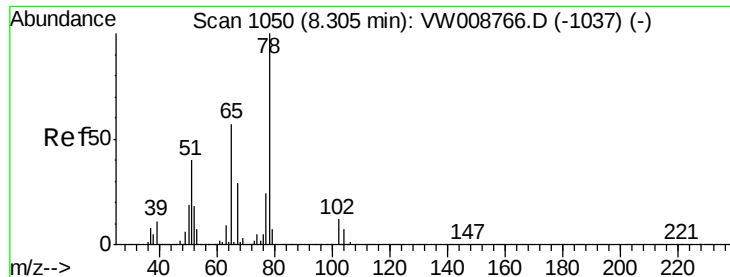
Tgt Ion: 77 Resp: 6489
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#31
 Cyclohexane
 Concen: 1.347 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW008952.D
 Acq: 02 Mar 2019 06:26

Tgt Ion: 56 Resp: 7046
 Ion Ratio Lower Upper
 56 100
 69 152.6 28.2 42.4#
 84 124.6 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 61.477 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampled :

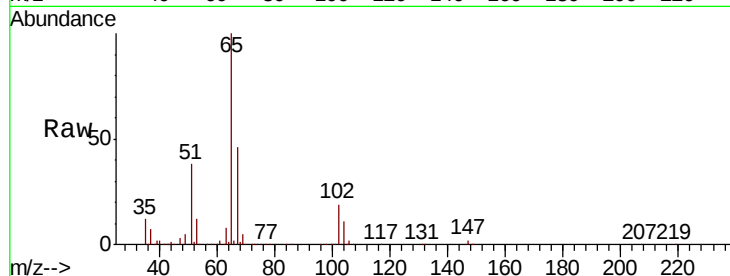
Z-3-12-BRE

Tgt Ion: 65 Resp: 170563

Ion Ratio Lower Upper

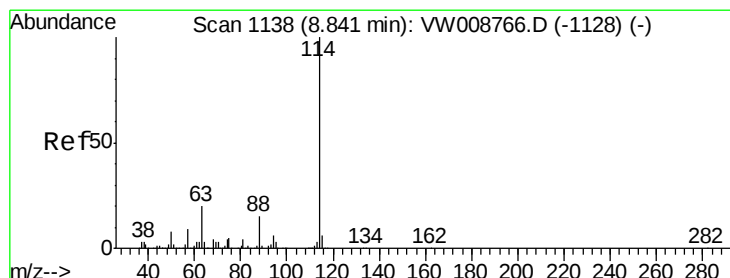
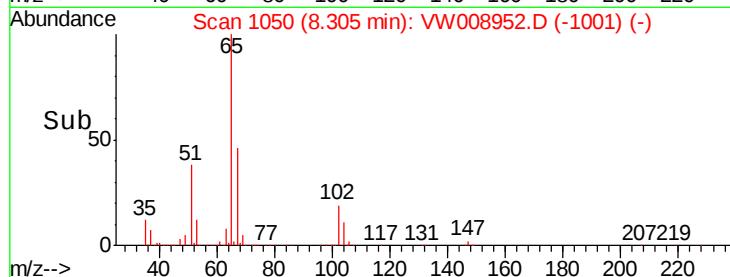
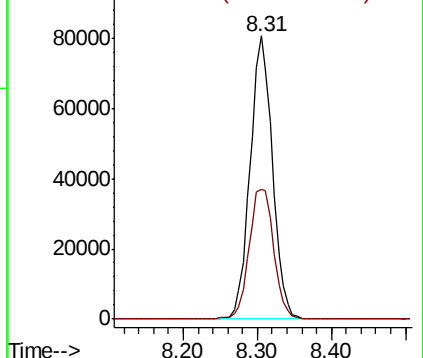
65 100

67 50.5 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: VW008952.D

Acq: 02 Mar 2019 06:26

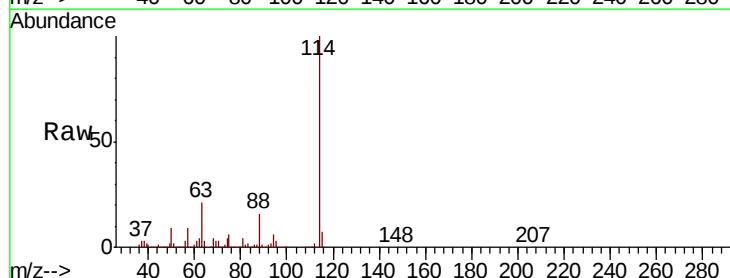
Tgt Ion: 114 Resp: 465432

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

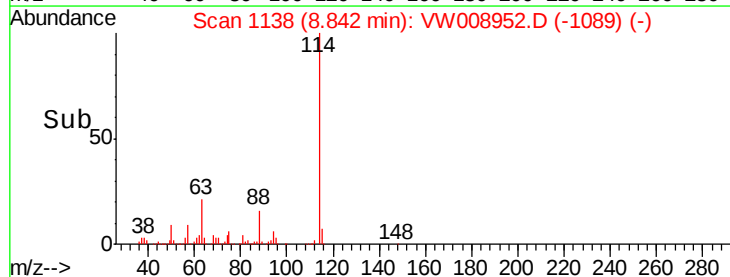
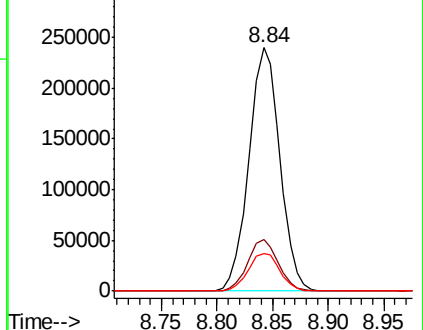
88 15.6 0.0 30.4

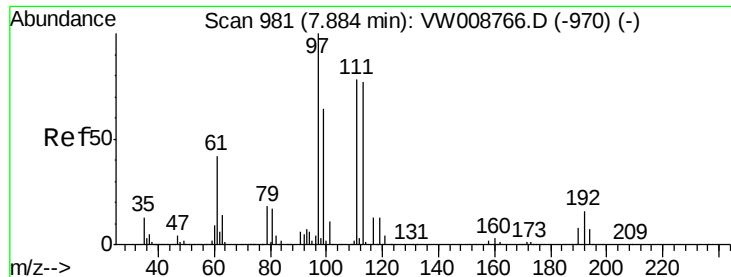


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.325 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

Z-3-12-BRE

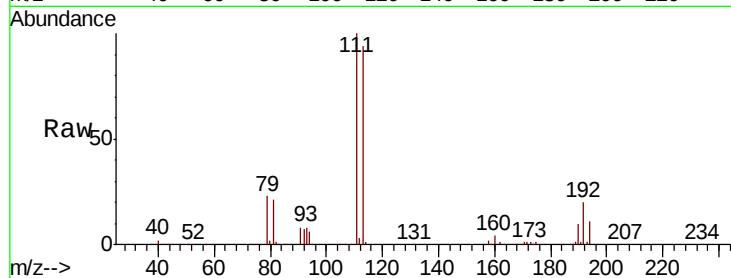
Tgt Ion:113 Resp: 143429

Ion Ratio Lower Upper

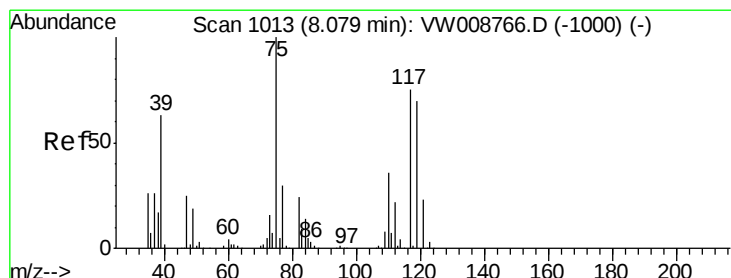
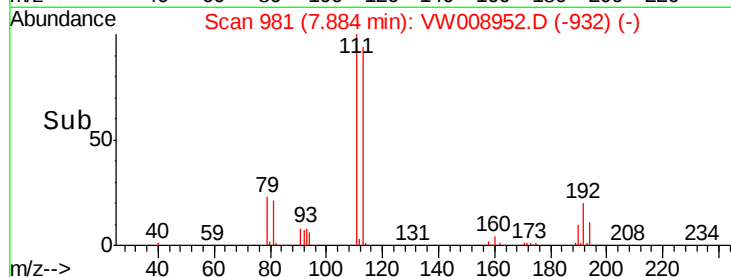
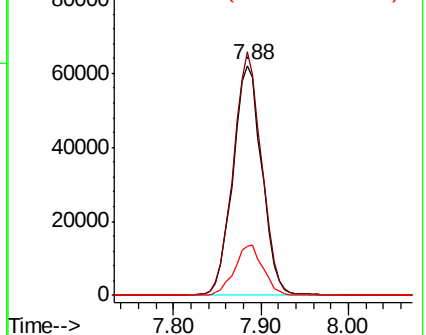
113 100

111 103.7 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: 5.149 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

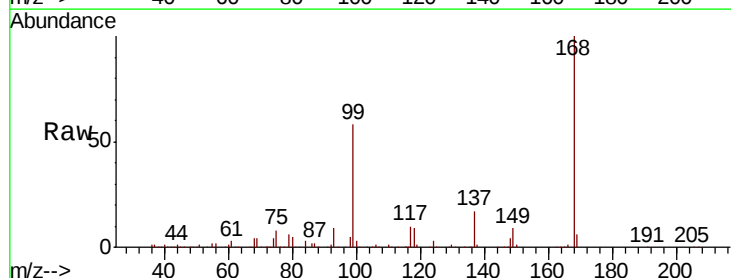
Tgt Ion: 75 Resp: 23329

Ion Ratio Lower Upper

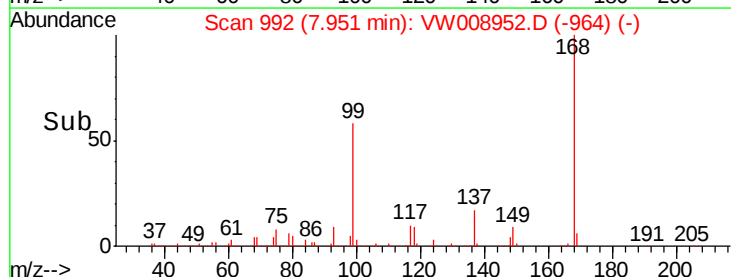
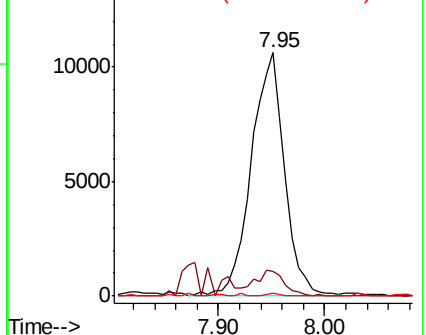
75 100

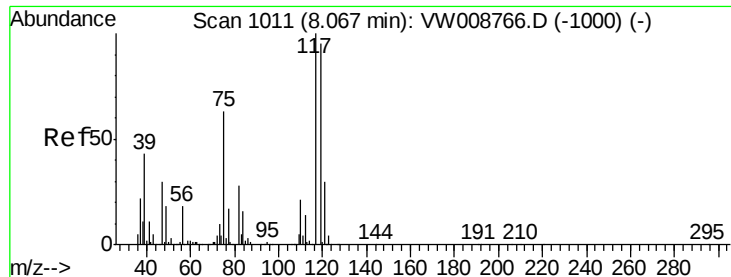
110 9.3 17.5 52.6#

77 0.4 24.5 36.7#



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: 6.117 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

Z-3-12-BRE

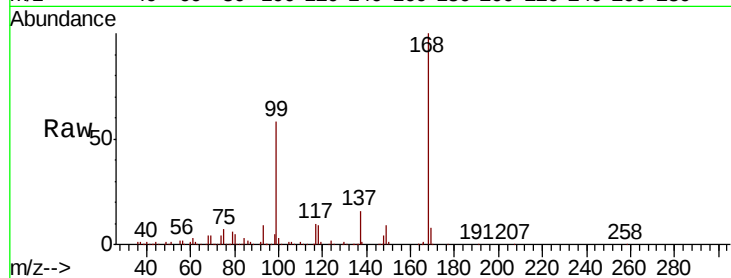
Tgt Ion:117 Resp: 29227

Ion Ratio Lower Upper

117 100

119 6.7 76.1 114.1#

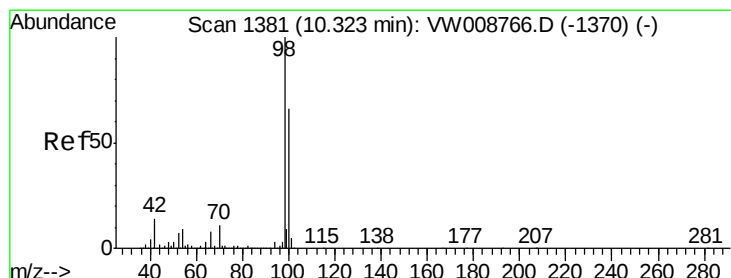
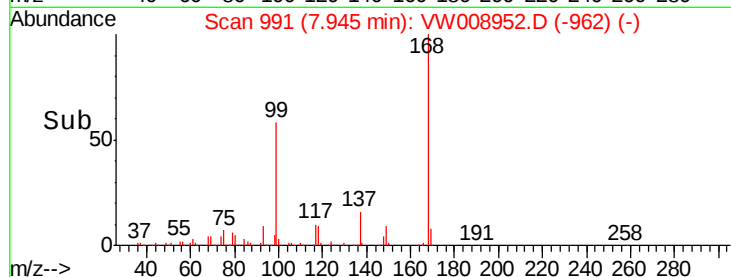
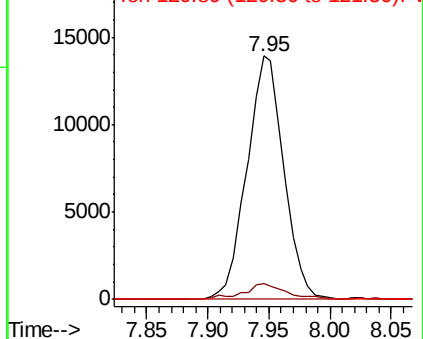
121 0.0 24.0 36.0#



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: 52.329 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008952.D

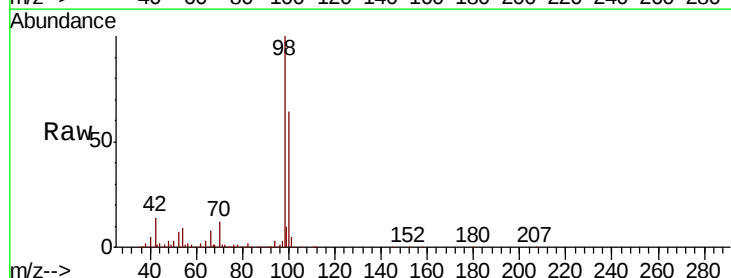
Acq: 02 Mar 2019 06:26

Tgt Ion: 98 Resp: 564511

Ion Ratio Lower Upper

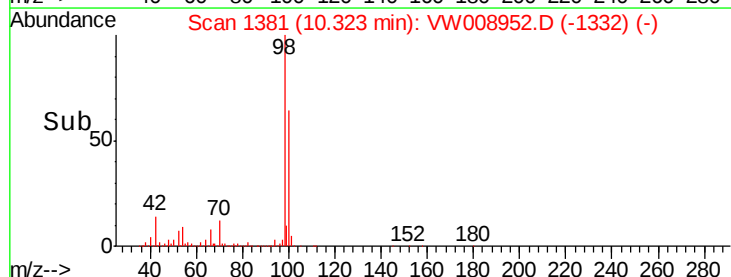
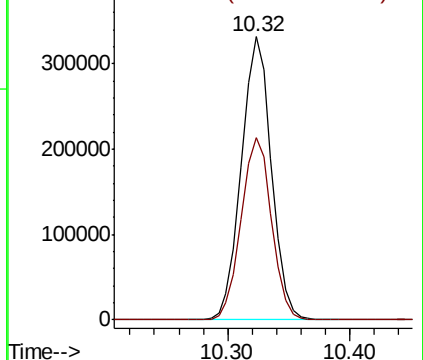
98 100

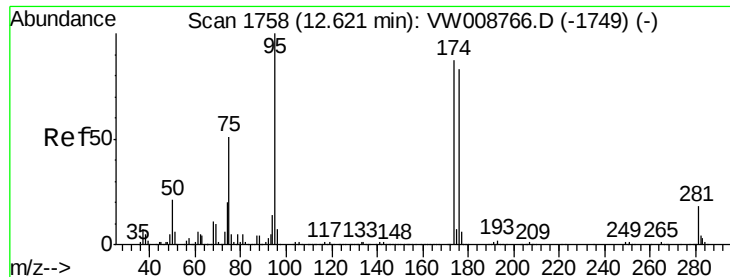
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

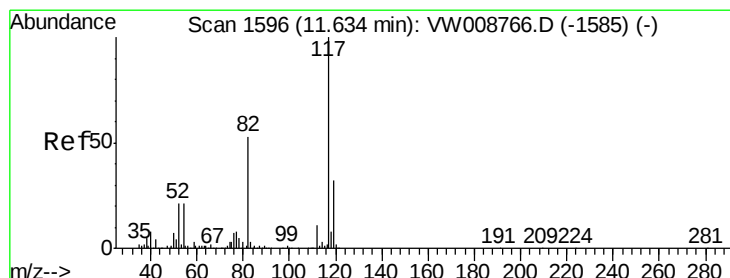
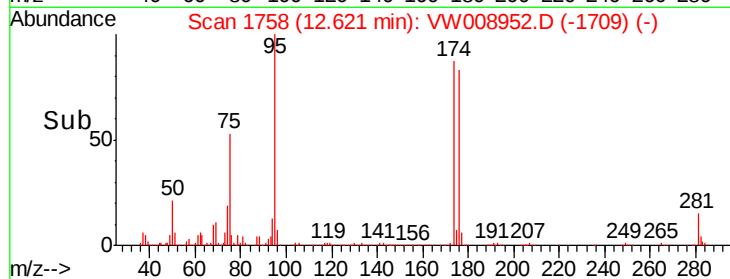
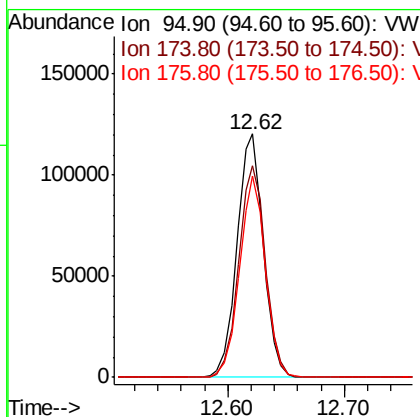
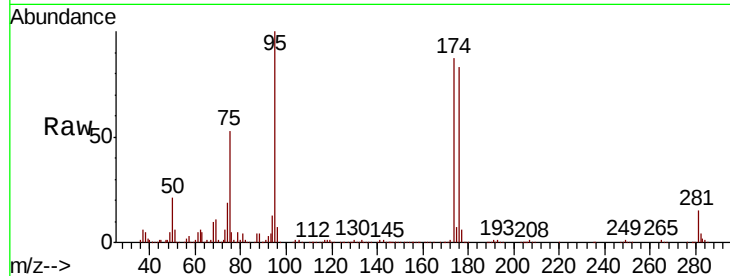




#62
4-Bromofluorobenzene
Concen: 44.852 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008952.D
Acq: 02 Mar 2019 06:26

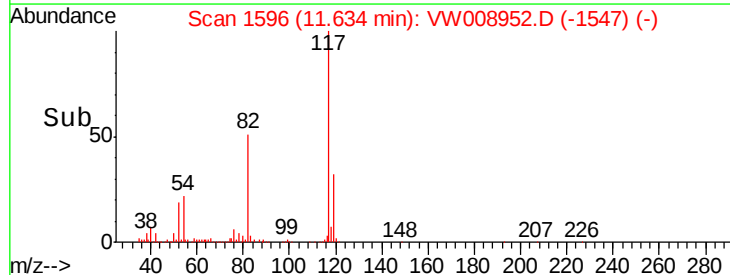
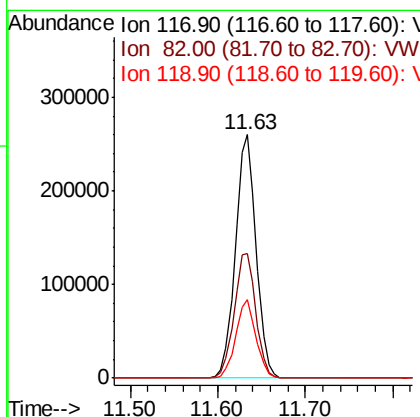
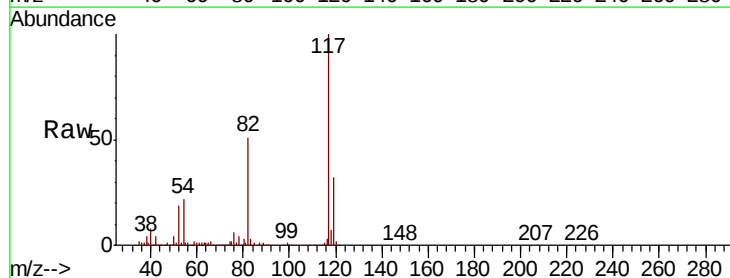
Instrument :
MSVOA_W
ClientSampleId :
Z-3-12-BRE

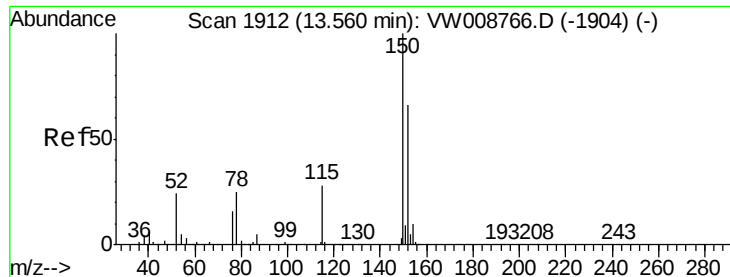
Tgt Ion: 95 Resp: 189447
Ion Ratio Lower Upper
95 100
174 88.3 0.0 169.2
176 81.2 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008952.D
Acq: 02 Mar 2019 06:26

Tgt Ion: 117 Resp: 428023
Ion Ratio Lower Upper
117 100
82 51.3 42.2 63.4
119 32.0 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: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

Z-3-12-BRE

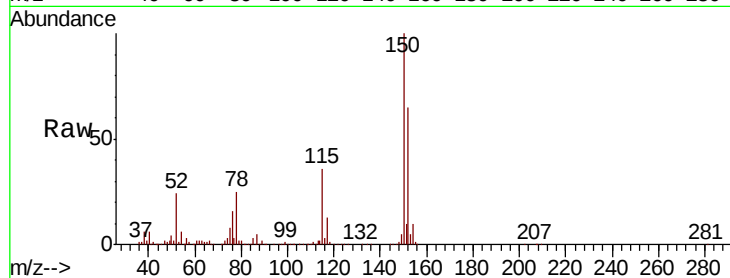
Tgt Ion: 152 Resp: 199264

Ion Ratio Lower Upper

152 100

115 56.3 28.6 85.8

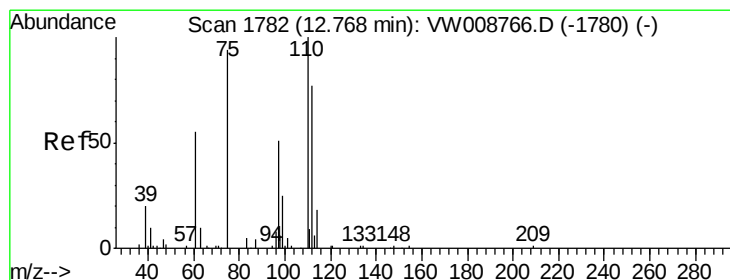
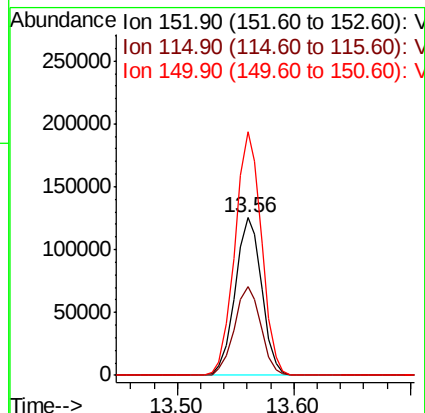
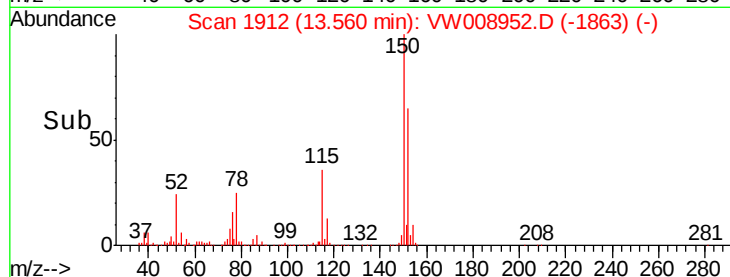
150 154.2 0.0 348.0



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: 60.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008952.D

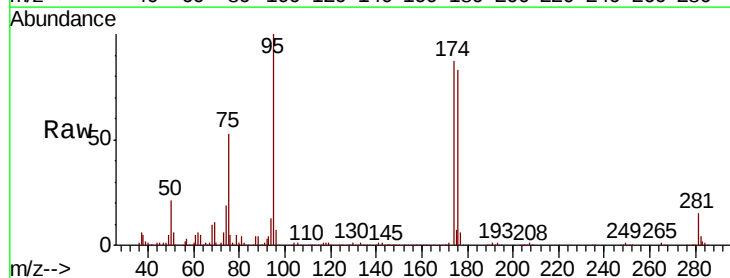
Acq: 02 Mar 2019 06:26

Tgt Ion: 75 Resp: 100085

Ion Ratio Lower Upper

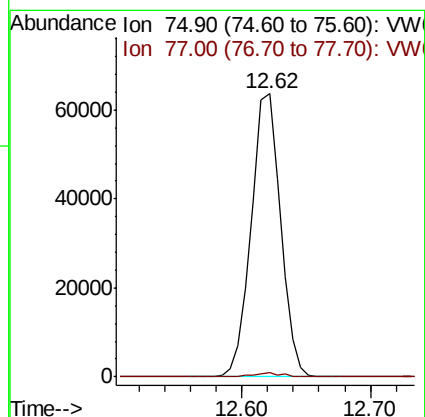
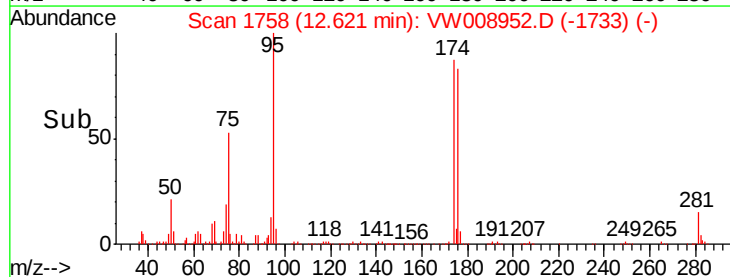
75 100

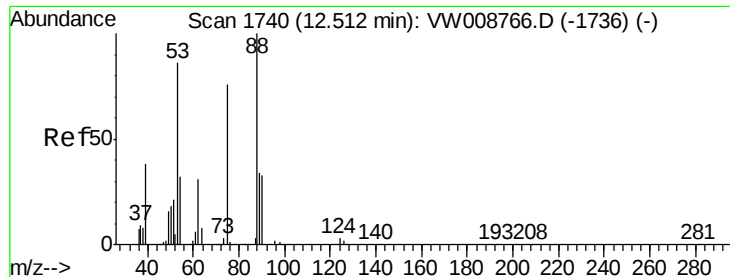
77 1.5 0.0 0.0#



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: 147.894 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008952.D

Acq: 02 Mar 2019 06:26

Instrument :

MSVOA_W

ClientSampleId :

Z-3-12-BRE

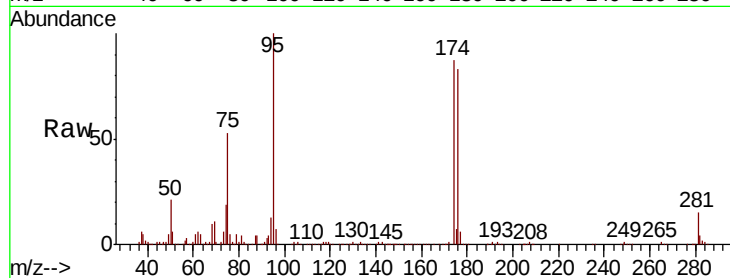
Tgt Ion: 75 Resp: 100085

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.3 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

