

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009691.D
 Acq On : 04 Apr 2019 12:49
 Operator : SY/VA
 Sample : K2234-01
 Misc : 5.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SSSI-0401-S-DH-3

Quant Time: Apr 05 05:44:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

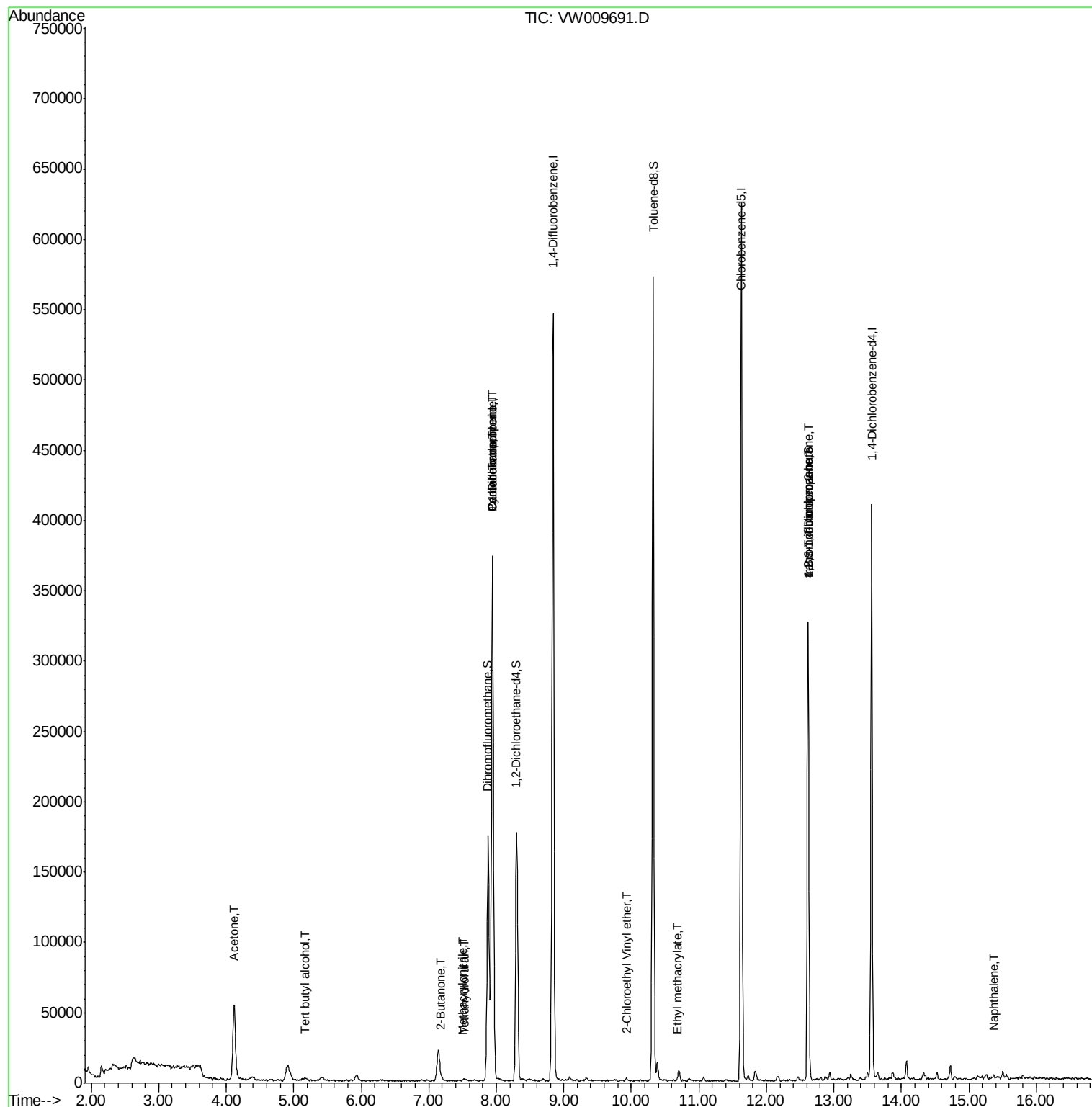
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	421119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96162	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	138820	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	7.88	113	118173	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
50) Toluene-d8	10.32	98	356232	36.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.88%	
62) 4-Bromofluorobenzene	12.62	95	94627	25.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.02	85	431	Below Cal		93
11) Tert butyl alcohol	5.16	59	958	5.591 ug/l		98
16) Acetone	4.12	43	98447	148.165 ug/l #		87
20) Methylene Chloride	4.90	84	9958	Below Cal		94
25) 2-Butanone	7.18	43	1052	1.146 ug/l #		75
29) Tetrahydrofuran	7.53	42	702	1.231 ug/l		98
31) Cyclohexane	7.95	56	7956	1.636 ug/l #		34
36) 1,1-Dichloropropene	7.95	75	22844	5.245 ug/l #		51
38) Carbon Tetrachloride	7.95	117	27950	6.262 ug/l #		18
41) Methacrylonitrile	7.49	41	99	3.989 ug/l #		1
56) Ethyl methacrylate	10.68	69	58	3.814 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.93	63	747	17.488 ug/l		96
76) 1,2,3-Trichloropropane	12.62	75	54783	60.581 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	54783	140.879 ug/l #		7
95) Naphthalene	15.37	128	2263	3.297 ug/l #		85

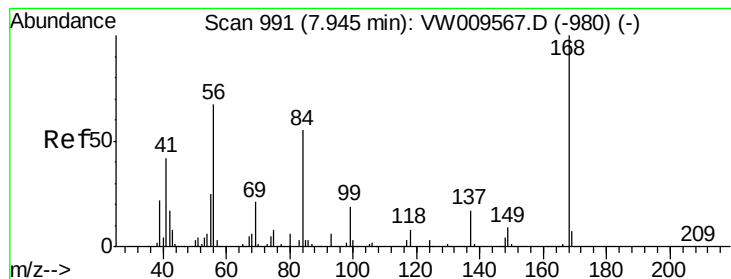
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

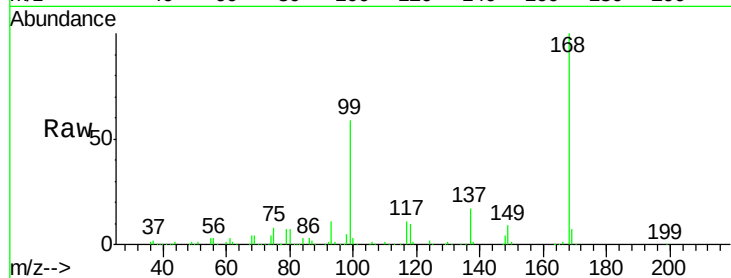
SSSI-0401-S-DH-3

Tgt Ion:168 Resp: 258431

Ion Ratio Lower Upper

168 100

99 59.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

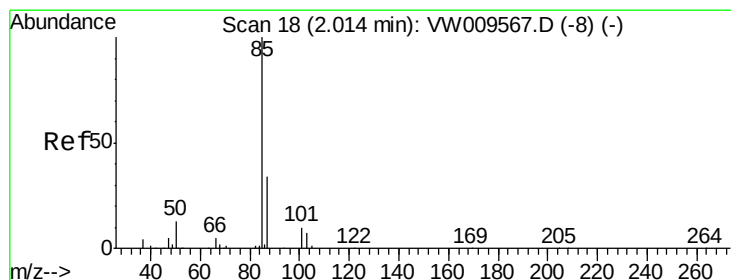
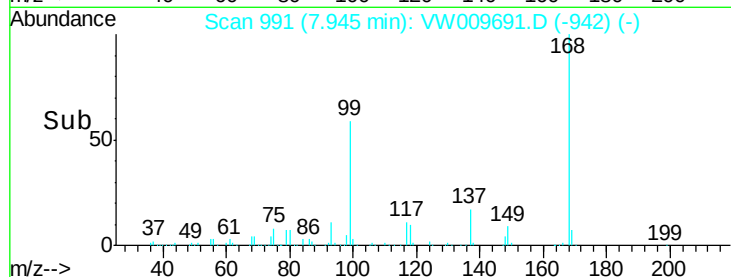
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009691.D

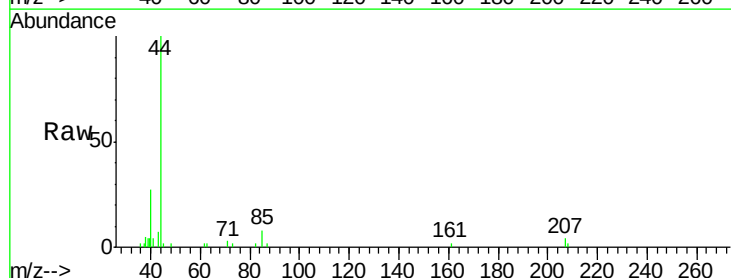
Acq: 04 Apr 2019 12:49

Tgt Ion: 85 Resp: 431

Ion Ratio Lower Upper

85 100

87 29.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

300

250

200

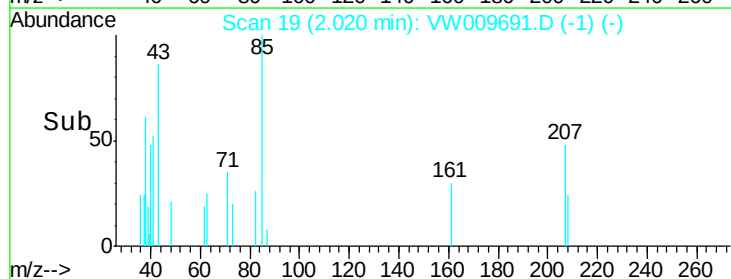
150

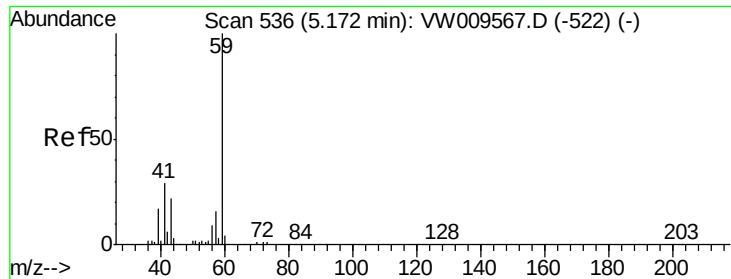
100

50

0

Time-->

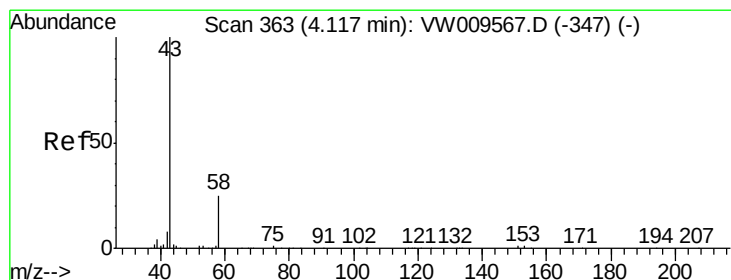
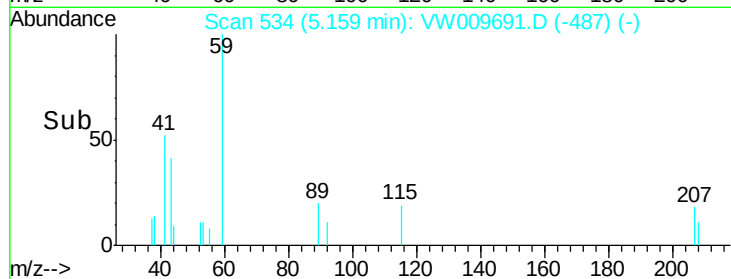
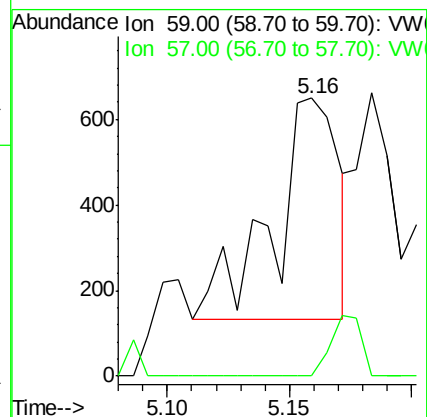
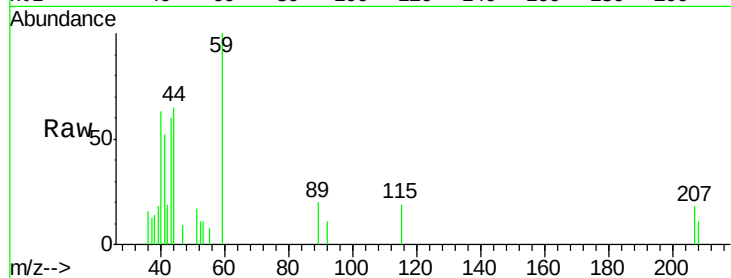




#11
Tert butyl alcohol
Concen: 5.591 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

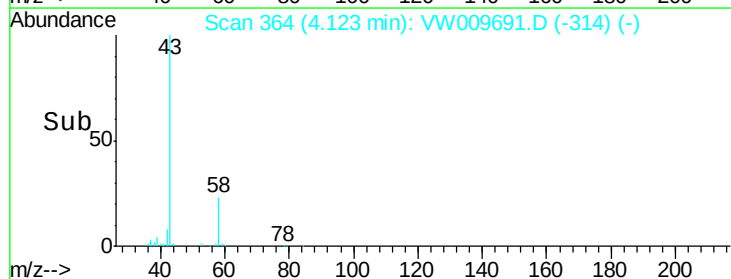
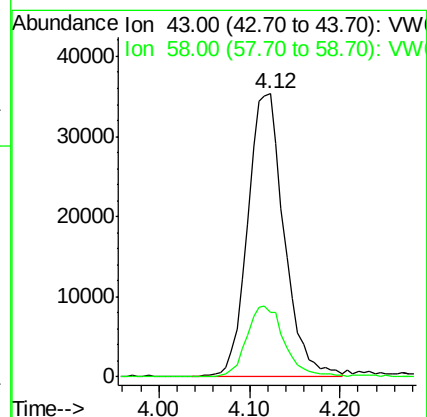
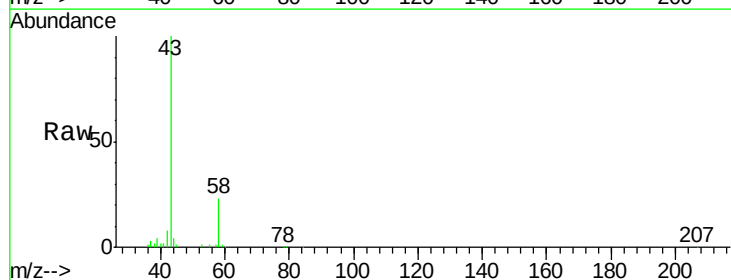
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3

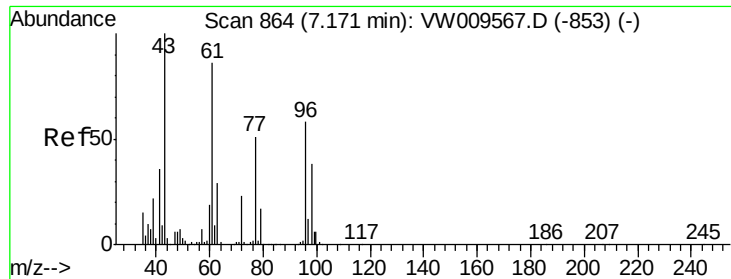
Tgt Ion: 59 Resp: 958
Ion Ratio Lower Upper
59 100
57 12.6 9.4 14.0



#16
Acetone
Concen: 148.165 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Tgt Ion: 43 Resp: 98447
Ion Ratio Lower Upper
43 100
58 22.8 23.6 35.4#





#25

2-Butanone

Concen: 1.146 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

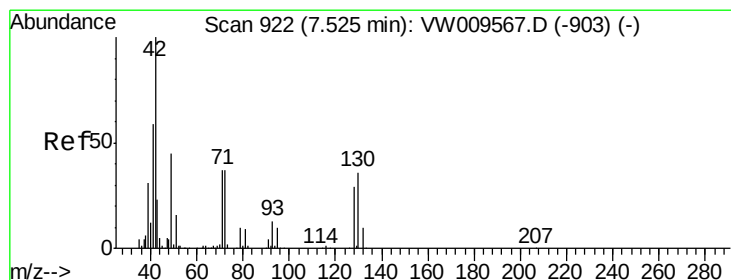
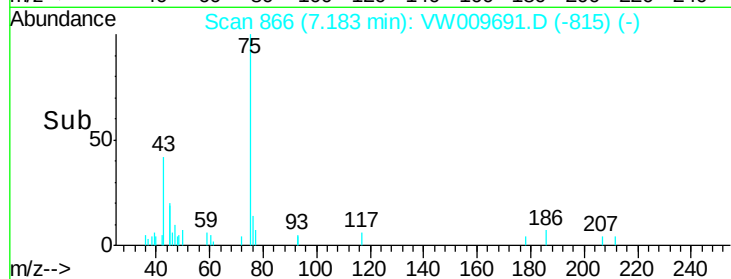
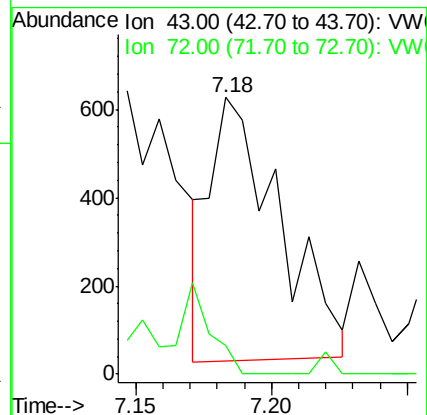
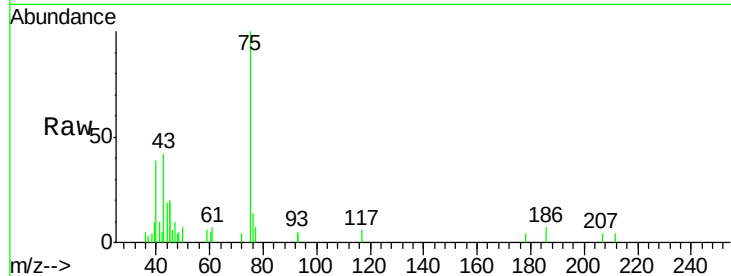
SSSI-0401-S-DH-3

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

72 12.5 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.231 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

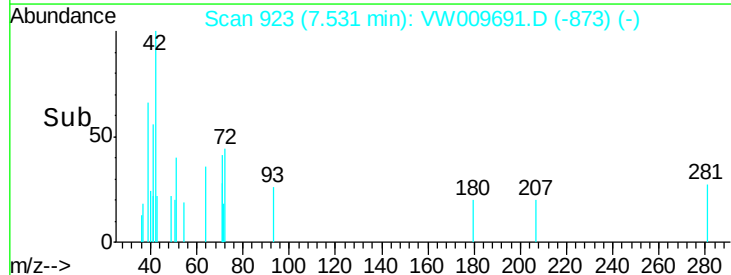
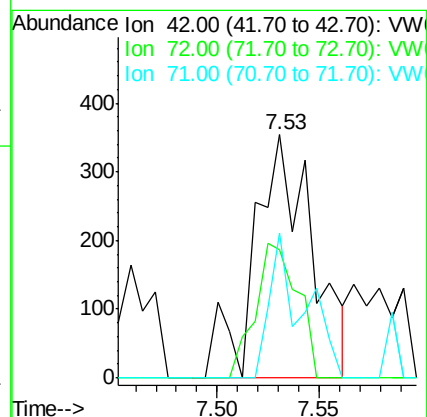
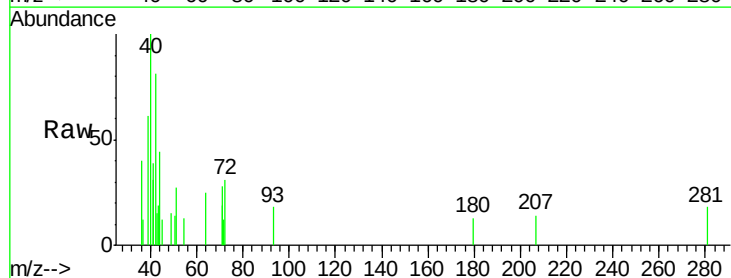
Tgt Ion: 42 Resp: 702

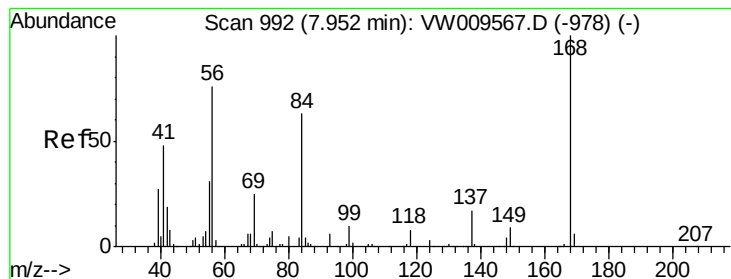
Ion Ratio Lower Upper

42 100

72 40.3 32.4 48.6

71 34.9 30.1 45.1





#31

Cyclohexane

Concen: 1.636 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3

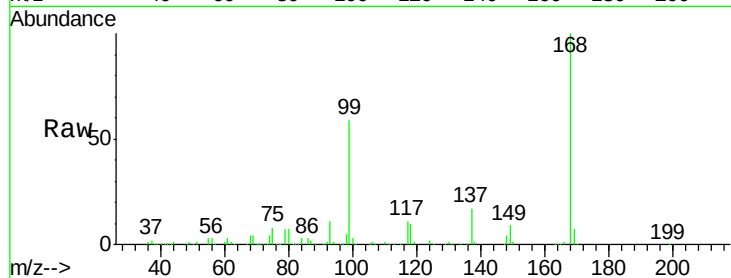
Tgt Ion: 56 Resp: 7956

Ion Ratio Lower Upper

56 100

69 148.0 26.1 39.1#

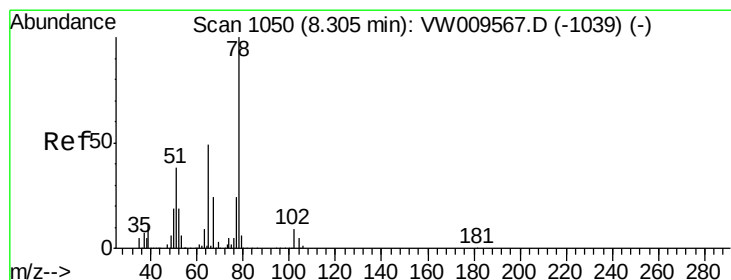
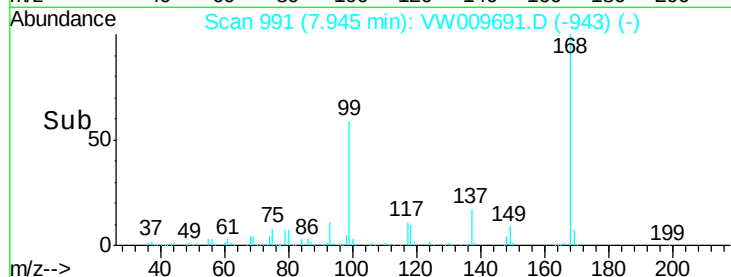
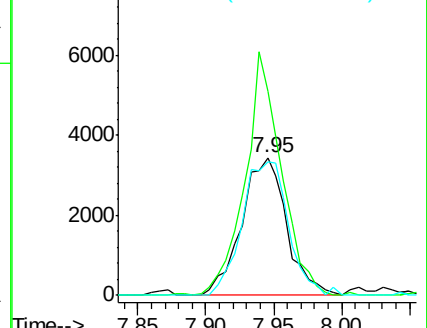
84 97.3 68.6 103.0



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: 46.974 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009691.D

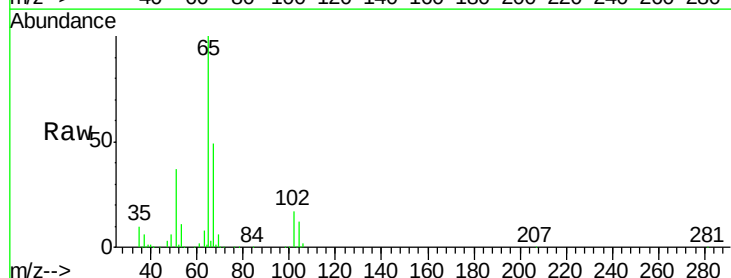
Acq: 04 Apr 2019 12:49

Tgt Ion: 65 Resp: 138820

Ion Ratio Lower Upper

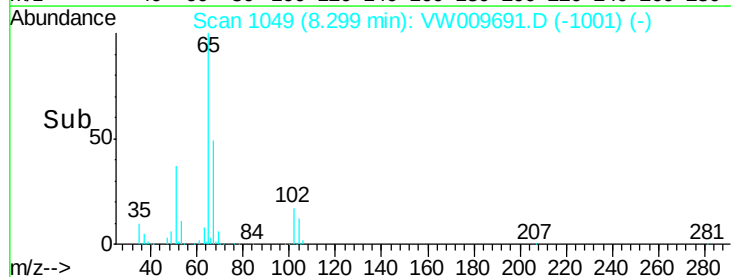
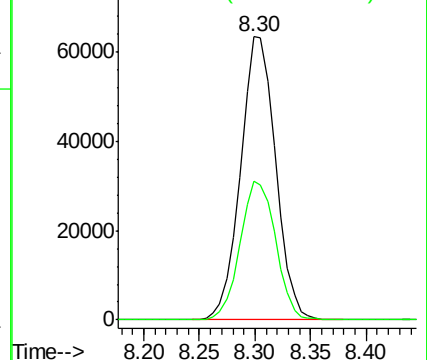
65 100

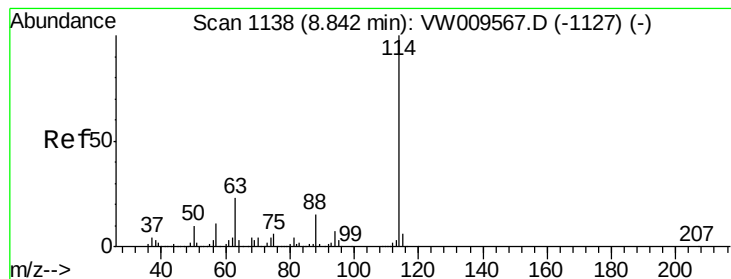
67 49.8 0.0 102.4



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: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

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ClientSampleId :

SSSI-0401-S-DH-3

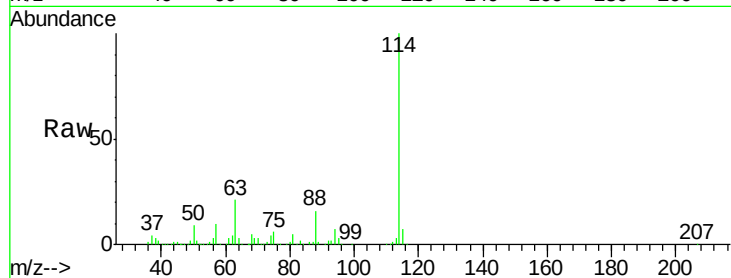
Tgt Ion:114 Resp: 421119

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

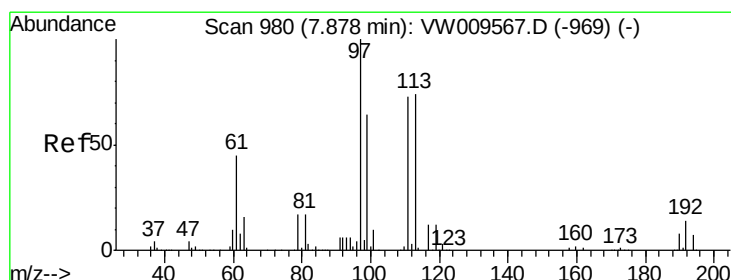
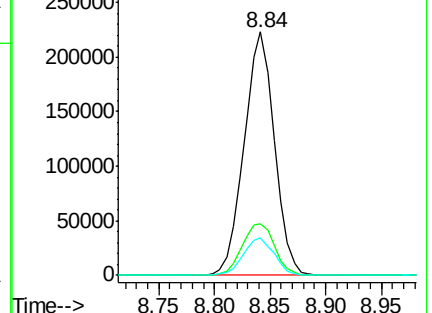
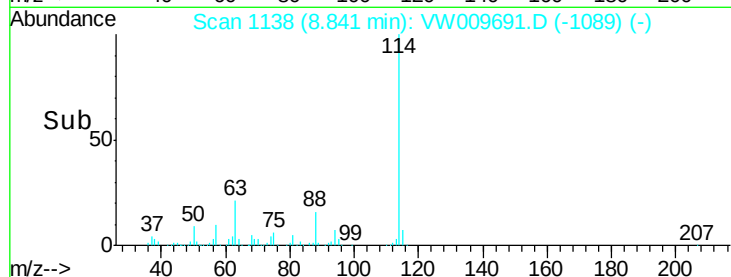
88 15.6 0.0 30.8



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: 44.678 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

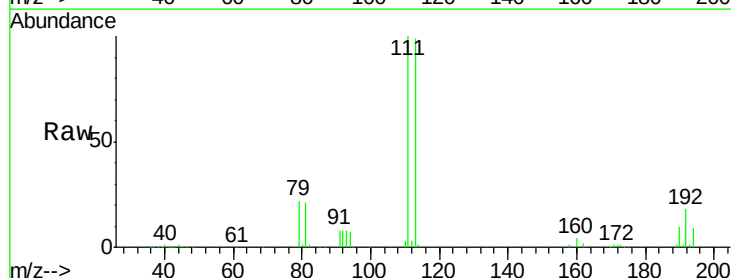
Tgt Ion:113 Resp: 118173

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

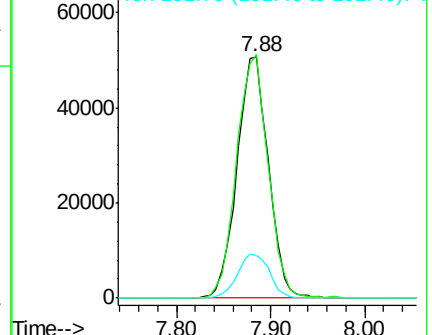
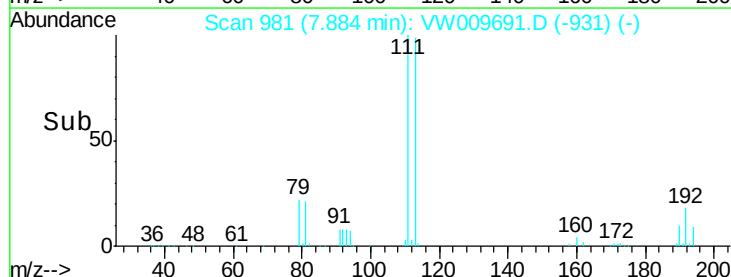
192 18.6 16.4 24.6

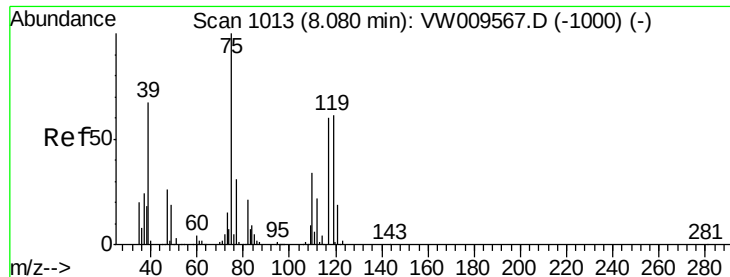


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.245 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3

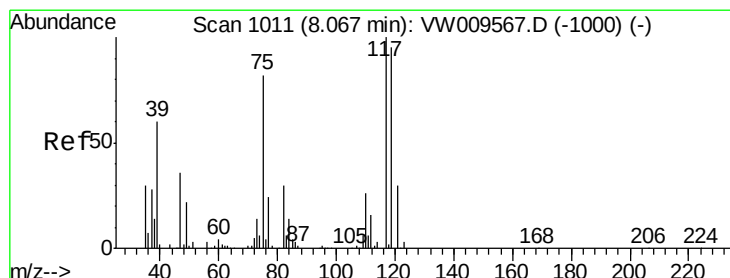
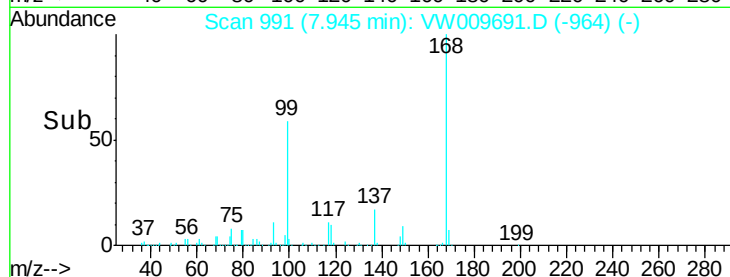
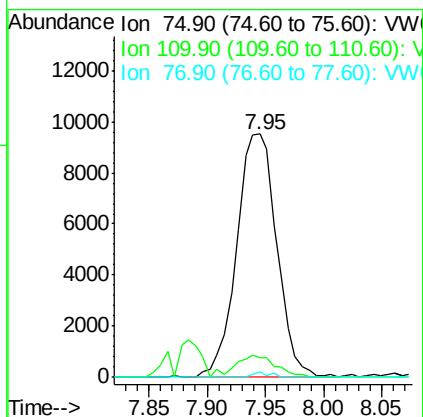
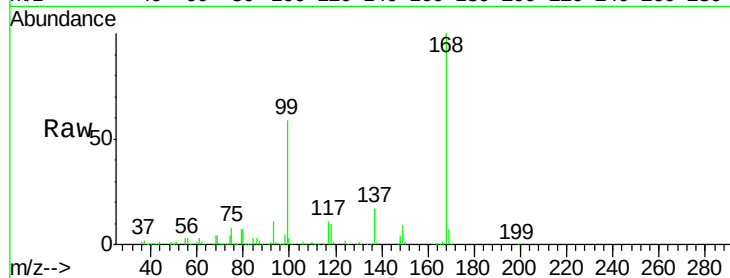
Tgt Ion: 75 Resp: 22844

Ion Ratio Lower Upper

75 100

110 8.7 16.8 50.4#

77 0.8 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.262 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

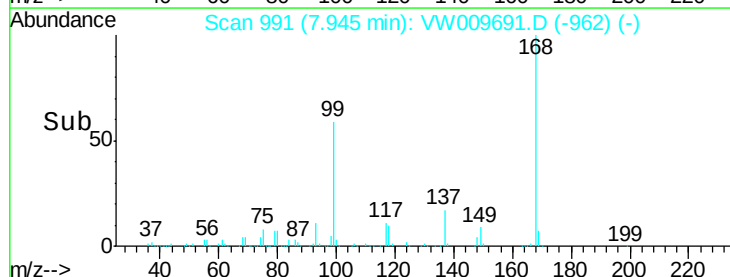
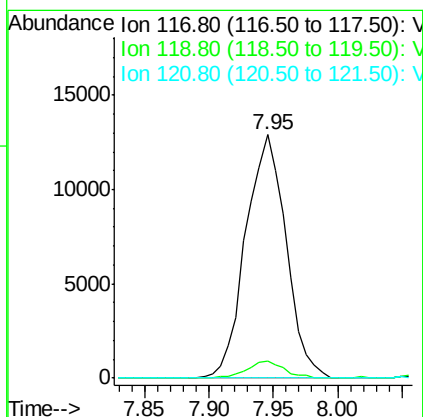
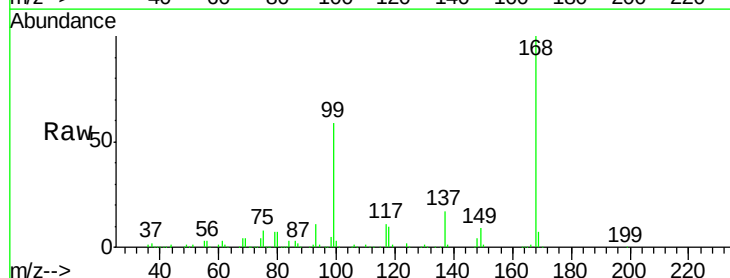
Tgt Ion: 117 Resp: 27950

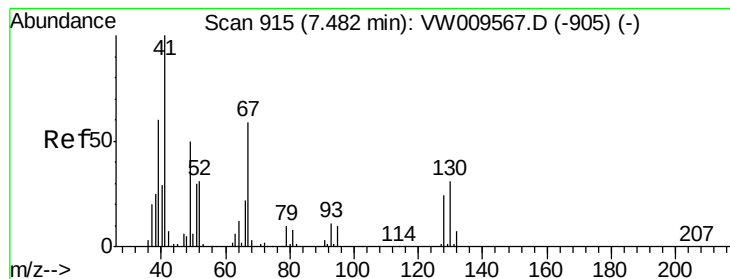
Ion Ratio Lower Upper

117 100

119 7.2 75.4 113.0#

121 0.0 24.9 37.3#





#41

Methacrylonitrile

Concen: 3.989 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3

Tgt Ion: 41 Resp: 99

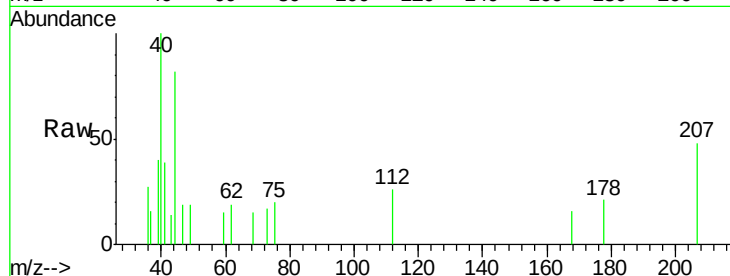
Ion Ratio Lower Upper

41 100

39 191.9 52.5 78.7#

67 0.0 56.6 84.8#

52 42.4 27.2 40.8#

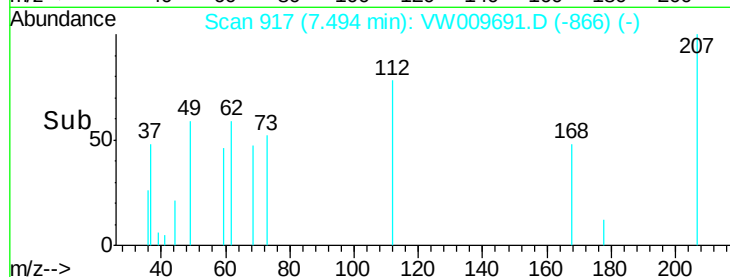


Abundance Ion 41.00 (40.70 to 41.70): VW

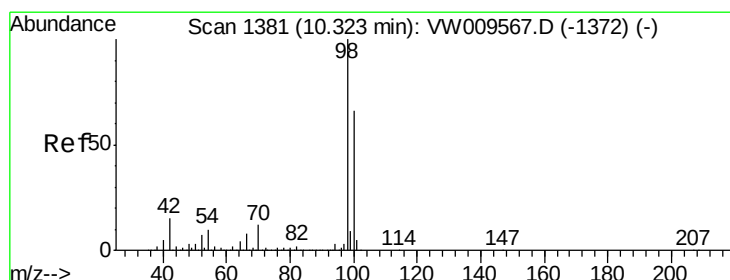
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#50

Toluene-d8

Concen: 36.439 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009691.D

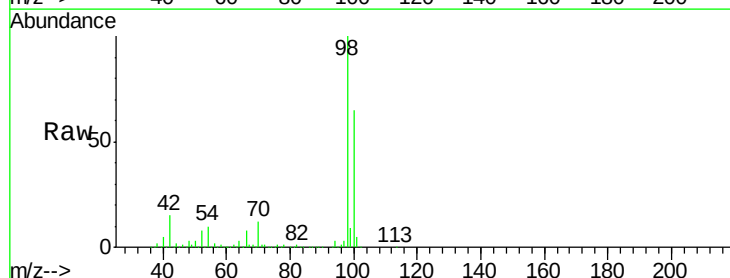
Acq: 04 Apr 2019 12:49

Tgt Ion: 98 Resp: 356232

Ion Ratio Lower Upper

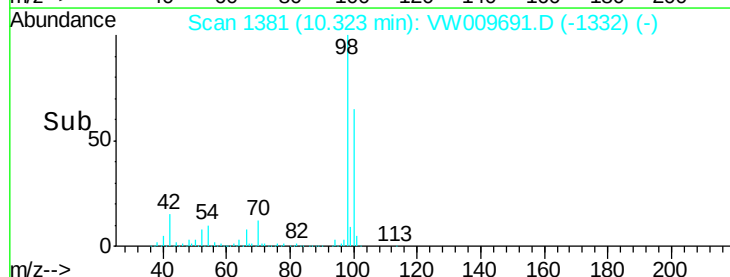
98 100

100 64.5 52.6 79.0

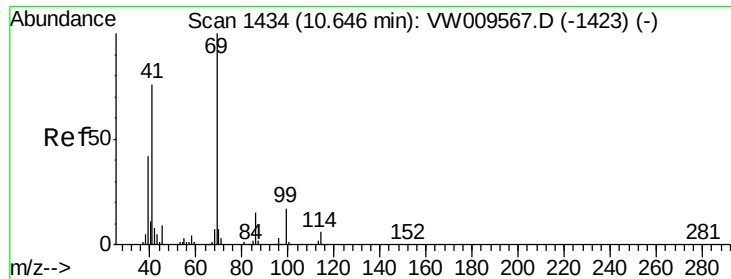


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



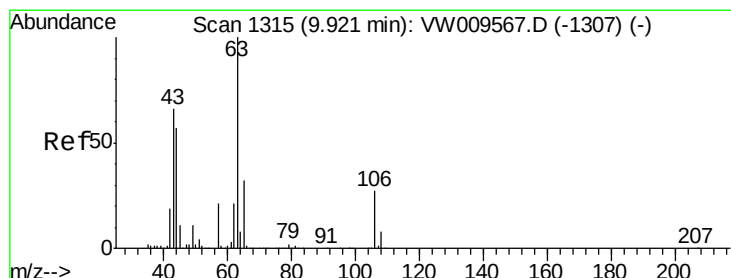
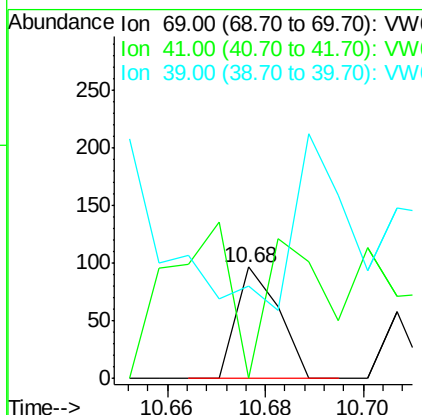
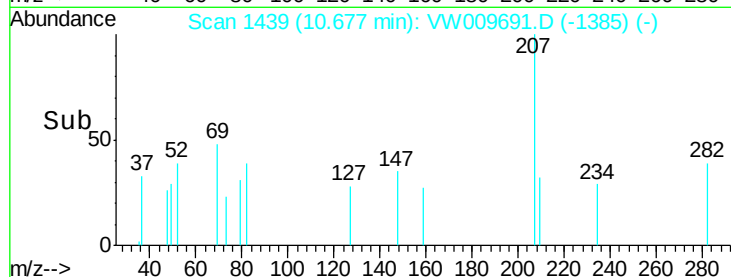
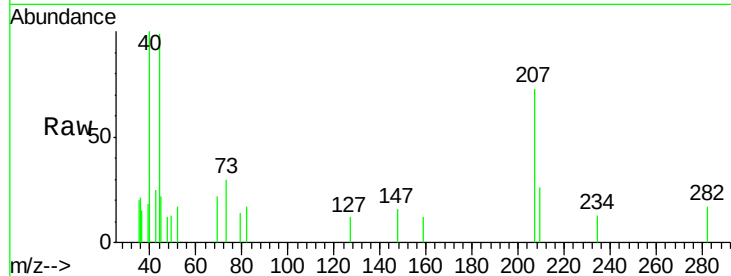
Time-->



#56
Ethyl methacrylate
Concen: 3.814 ug/l
RT: 10.68 min Scan# 1439
Delta R.T. 0.03 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

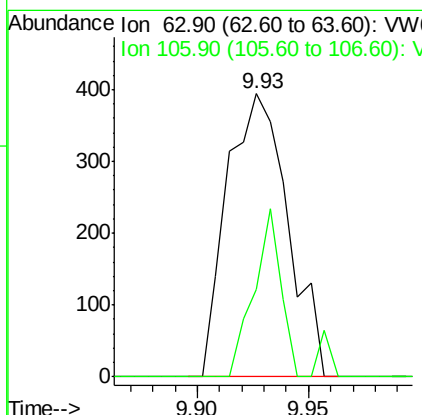
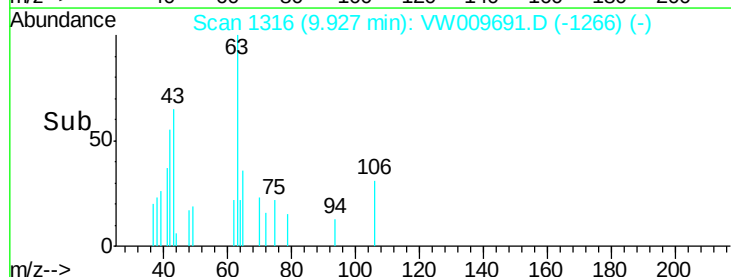
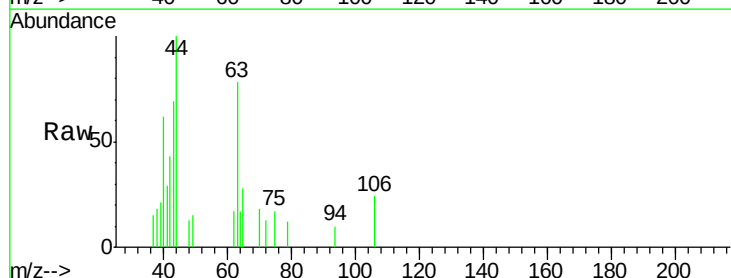
Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3

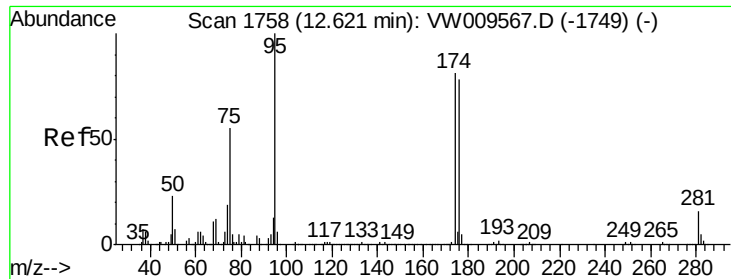
Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 172.4 59.3 88.9#
39 162.1 36.2 54.2#



#58
2-Chloroethyl Vinyl ether
Concen: 17.488 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Tgt Ion: 63 Resp: 747
Ion Ratio Lower Upper
63 100
106 26.6 22.9 34.3





#62

4-Bromofluorobenzene

Concen: 25.946 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

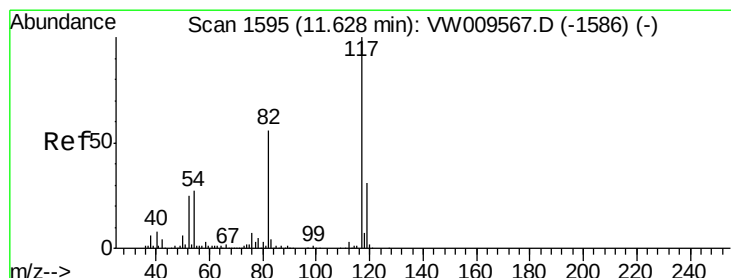
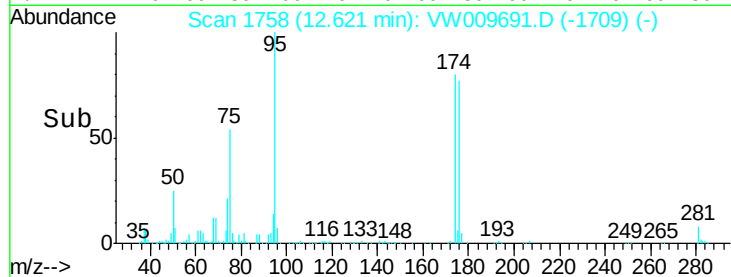
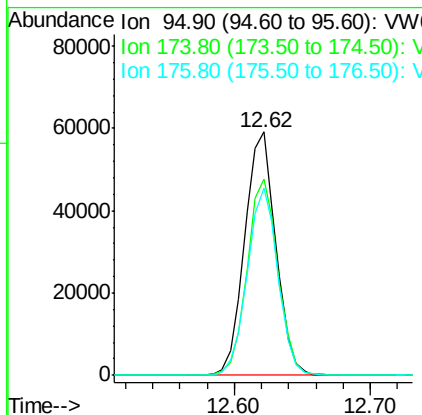
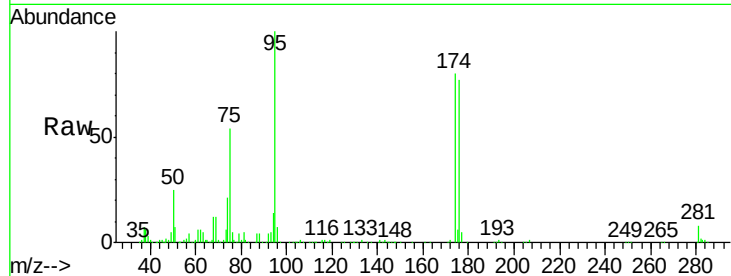
Instrument :

MSVOA_W

ClientSampleId :

SSSI-0401-S-DH-3

Tgt Ion:	95	Resp:	94627
Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	168.4
176	76.1	0.0	161.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

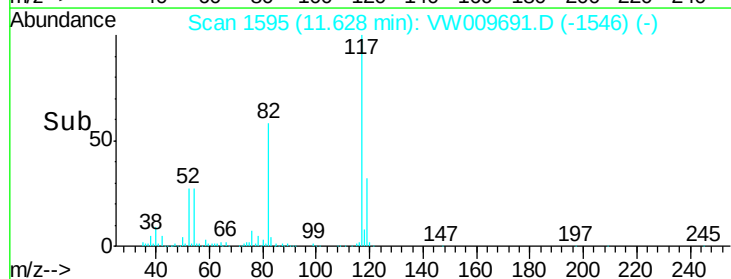
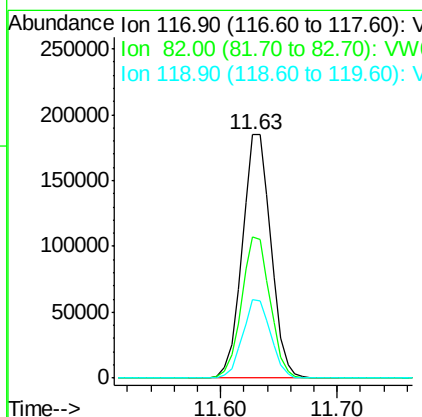
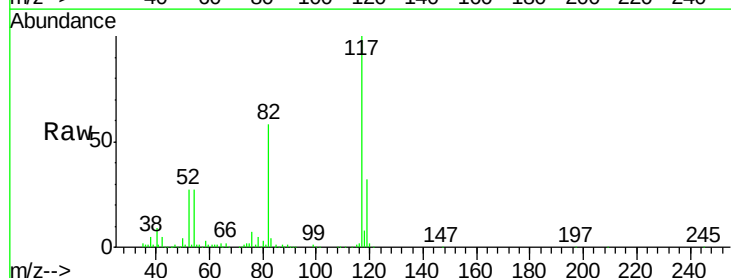
RT: 11.63 min Scan# 1595

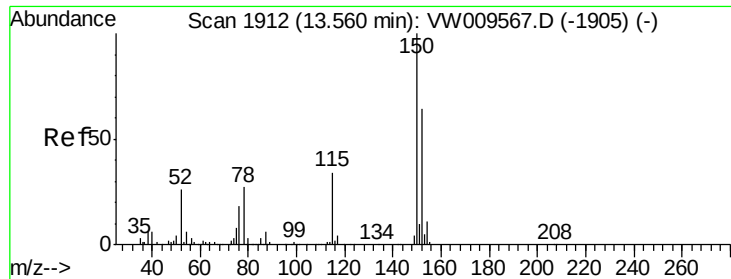
Delta R.T. -0.00 min

Lab File: VW009691.D

Acq: 04 Apr 2019 12:49

Tgt Ion:	117	Resp:	317929
Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.6	65.4
119	32.0	26.0	39.0



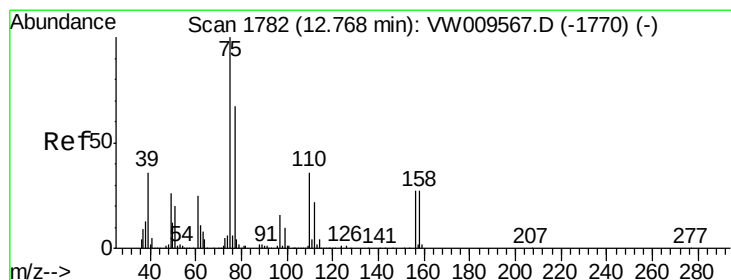
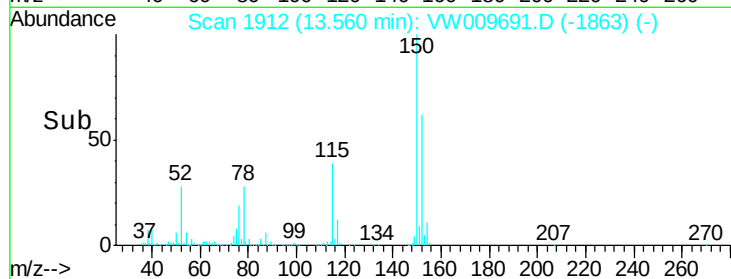
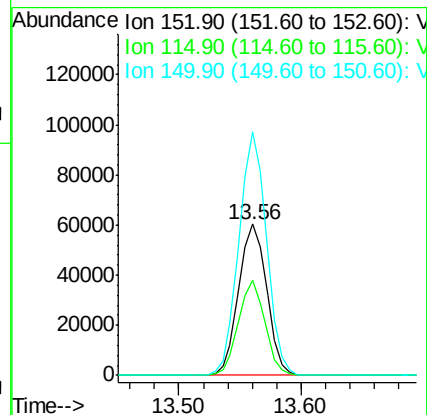
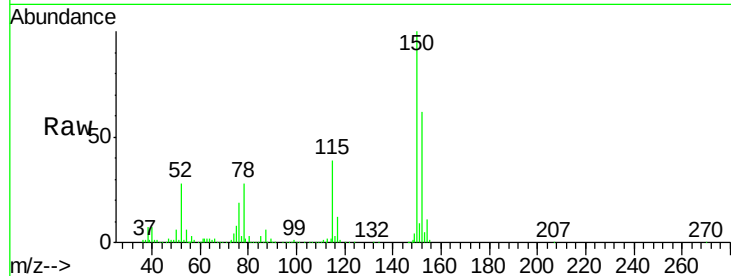


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3

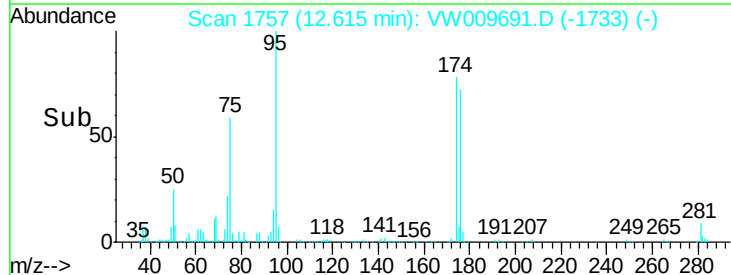
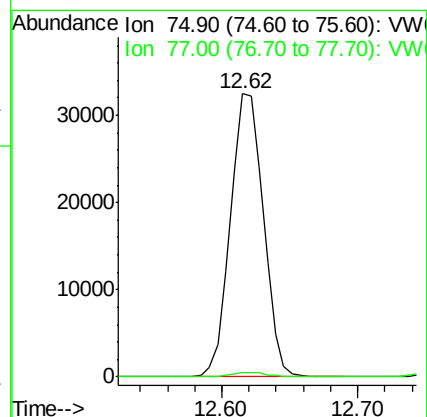
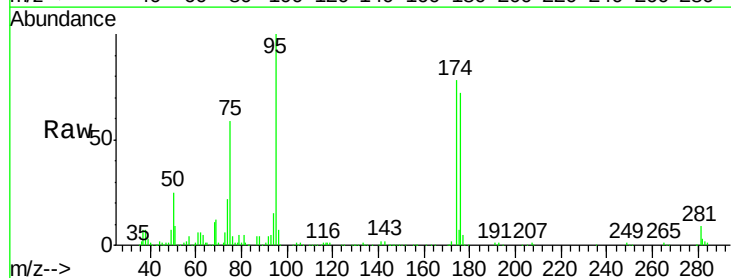
Tgt Ion:152 Resp: 96162
Ion Ratio Lower Upper
152 100
115 59.4 29.6 88.8
150 157.6 0.0 349.2

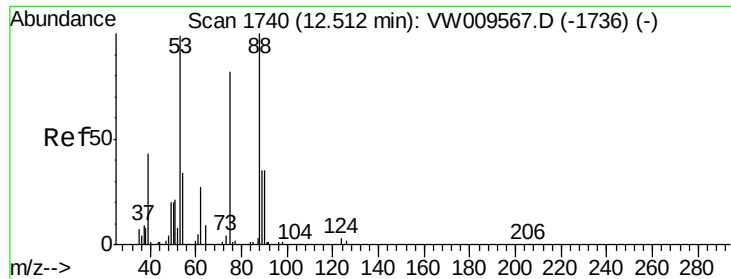


#76

1,2,3-Trichloropropane
Concen: 60.581 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Tgt Ion: 75 Resp: 54783
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

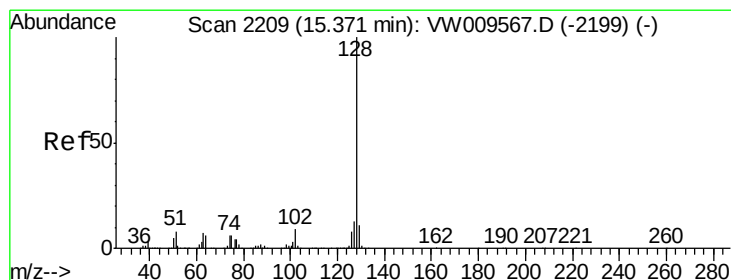
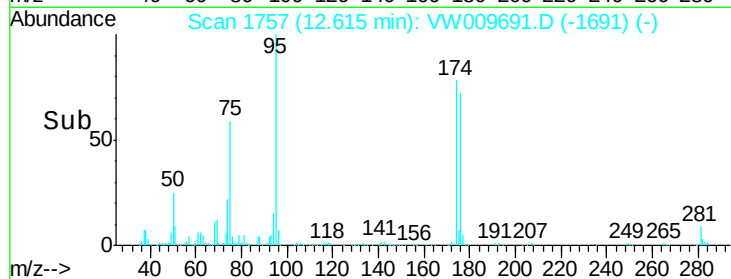
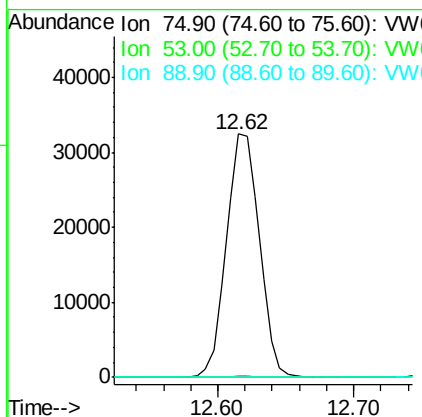
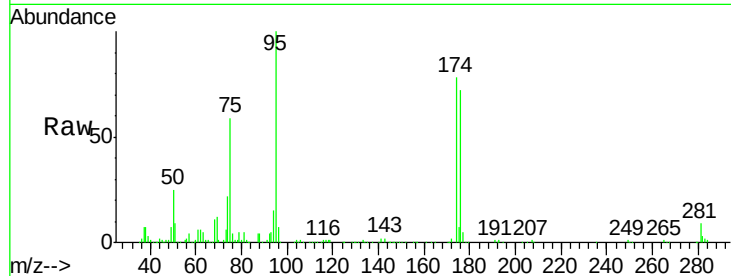




#81
trans-1,4-Dichloro-2-butene
Concen: 140.879 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Instrument :
MSVOA_W
ClientSampleId :
SSSI-0401-S-DH-3

Tgt Ion: 75 Resp: 54783
Ion Ratio Lower Upper
75 100
53 0.5 86.7 130.1#
89 0.1 36.4 54.6#



#95
Naphthalene
Concen: 3.297 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009691.D
Acq: 04 Apr 2019 12:49

Tgt Ion: 128 Resp: 2263
Ion Ratio Lower Upper
128 100
127 11.7 10.8 16.2
129 0.0 8.7 13.1#

