

Data File : VW009024.D
Acq On : 06 Mar 2019 19:17
Operator : SY/VA
Sample : K1753-05
Misc : 4.50G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-2-6

Quant Time: Mar 07 07:28:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	316806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	496434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	177243	55.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.54%	
35) Dibromofluoromethane	7.88	113	151613	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.32	98	581558	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.62	95	179128	37.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.54%	

Target Compounds

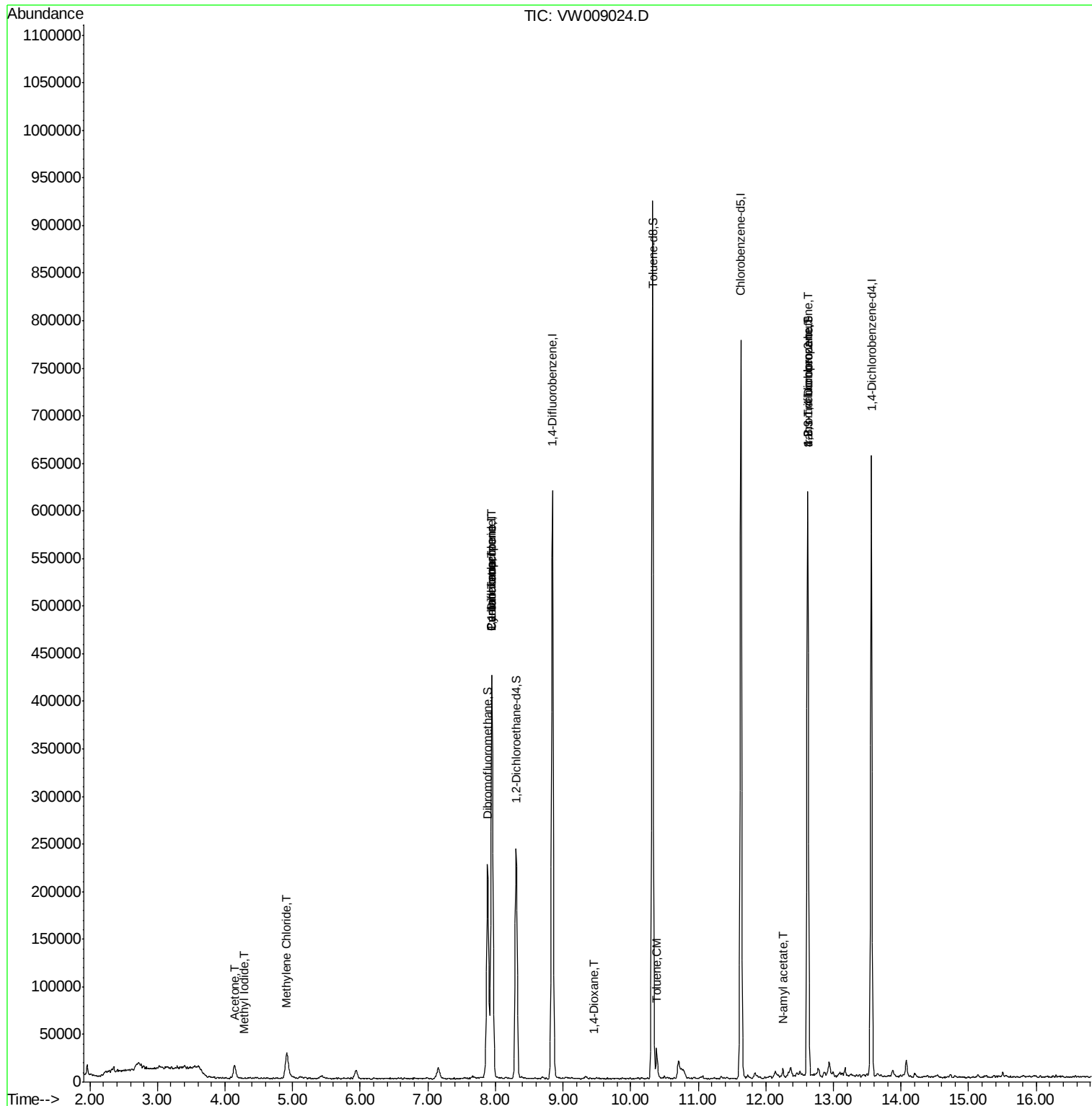
						Qvalue
10) Methyl Iodide	4.27	142	38	5.646	ug/l #	1
16) Acetone	4.14	43	24896	38.137	ug/l	91
20) Methylene Chloride	4.91	84	20197	4.139	ug/l	97
31) Cyclohexane	7.95	56	7678	1.344	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	25067	5.078	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31338	6.135	ug/l #	14
49) 1,4-Dioxane	9.46	88	38	1.527	ug/l #	15
52) Toluene	10.38	92	11538	1.284	ug/l	99
74) N-amyl acetate	12.25	43	2006	4.844	ug/l #	79
76) 1,2,3-Trichloropropane	12.62	75	96778	75.921	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96778	153.546	ug/l #	6

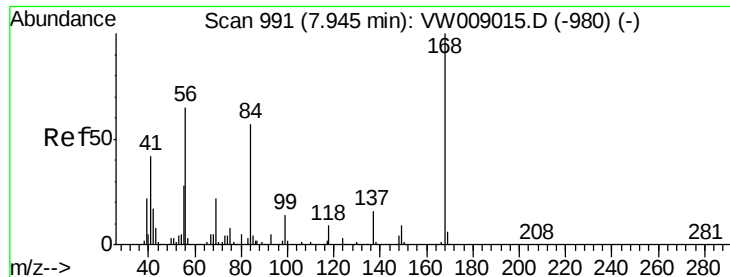
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

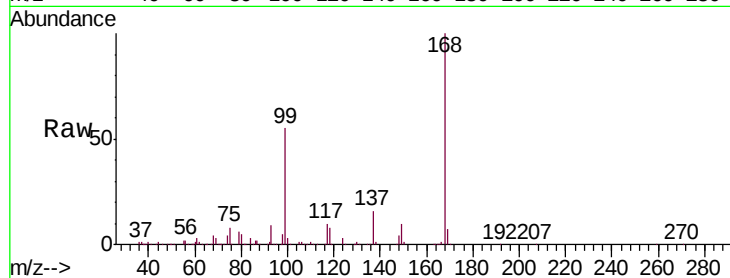
Z-2-6

Tgt Ion:168 Resp: 316806

Ion Ratio Lower Upper

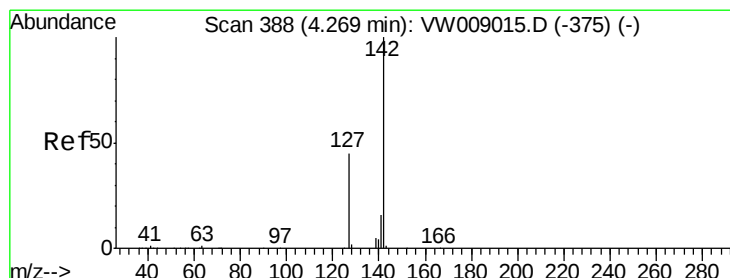
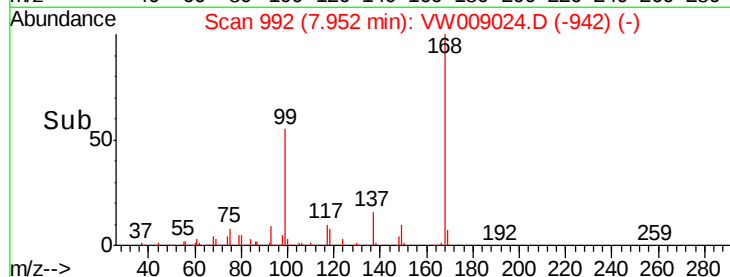
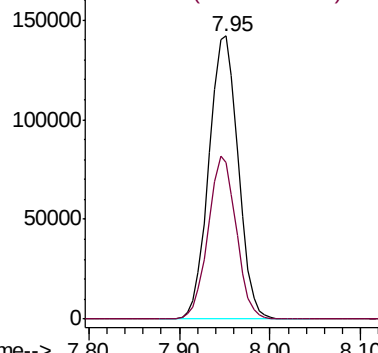
168 100

99 55.3 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.646 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

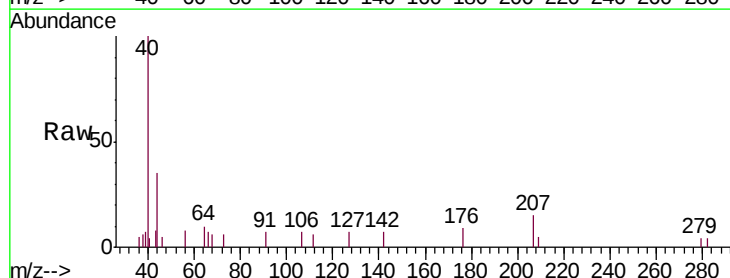
Tgt Ion:142 Resp: 38

Ion Ratio Lower Upper

142 100

127 165.8 36.2 54.2#

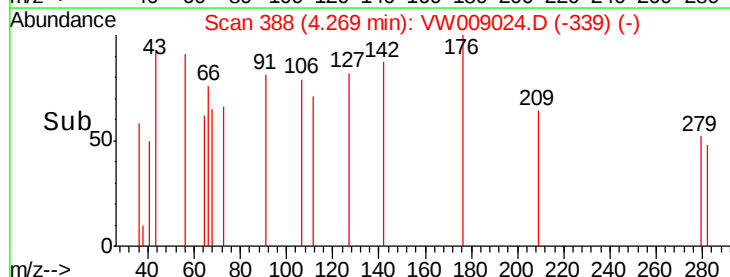
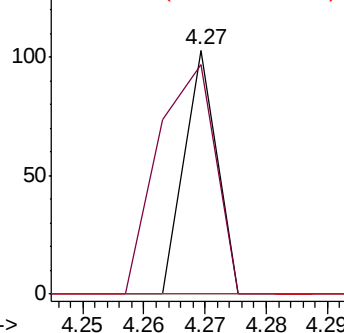
141 0.0 12.3 18.5#

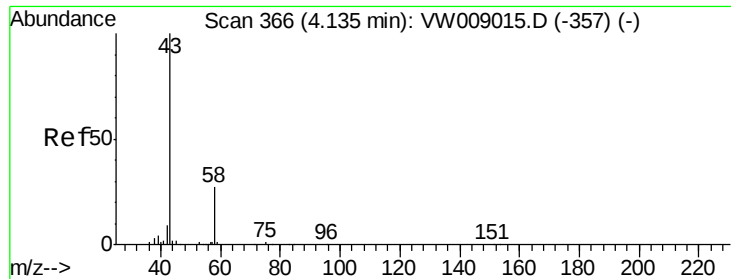


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

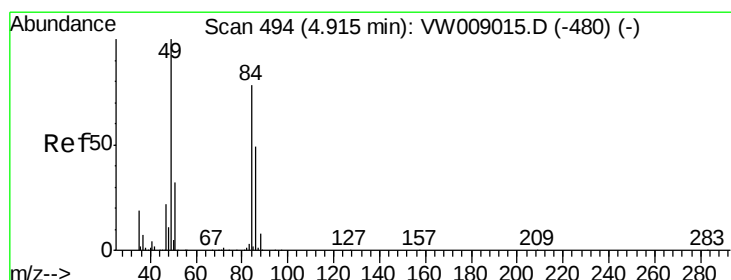
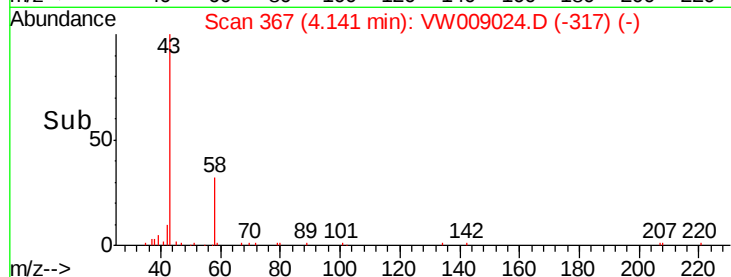
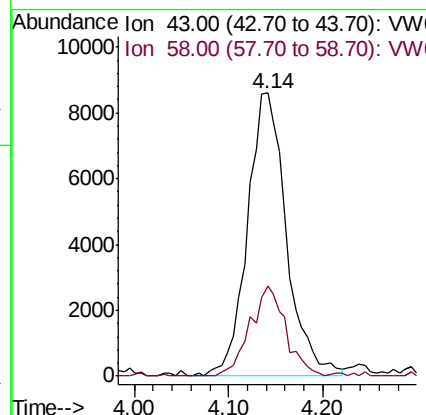
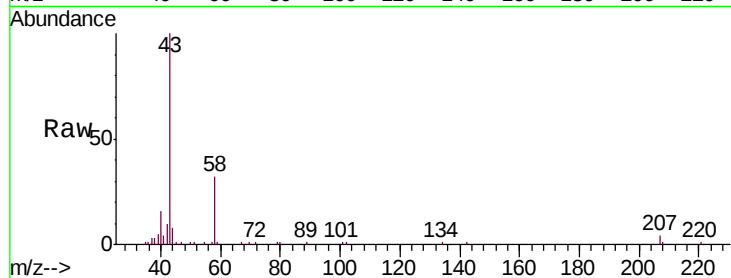




#16
Acetone
Concen: 38.137 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW009024.D
Acq: 06 Mar 2019 19:17

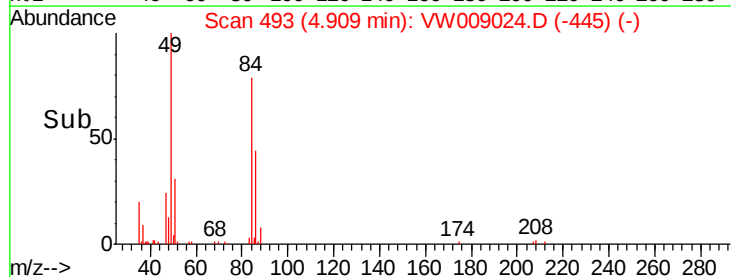
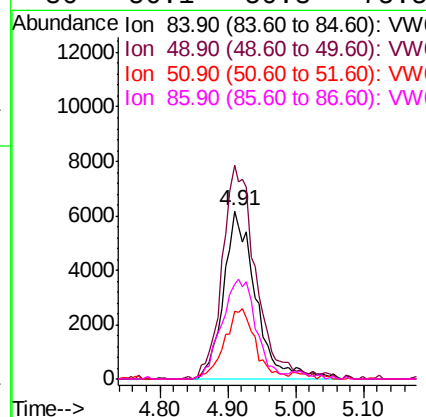
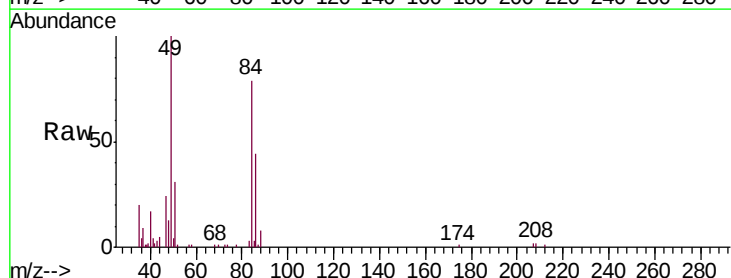
Instrument :
MSVOA_W
ClientSampleId :
Z-2-6

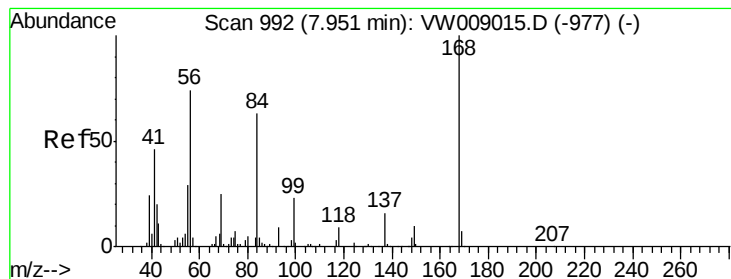
Tgt Ion: 43 Resp: 24896
Ion Ratio Lower Upper
43 100
58 31.7 21.6 32.4



#20
Methylene Chloride
Concen: 4.139 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009024.D
Acq: 06 Mar 2019 19:17

Tgt Ion: 84 Resp: 20197
Ion Ratio Lower Upper
84 100
49 127.1 102.8 154.2
51 40.0 32.4 48.6
86 56.1 50.3 75.5





#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

Z-2-6

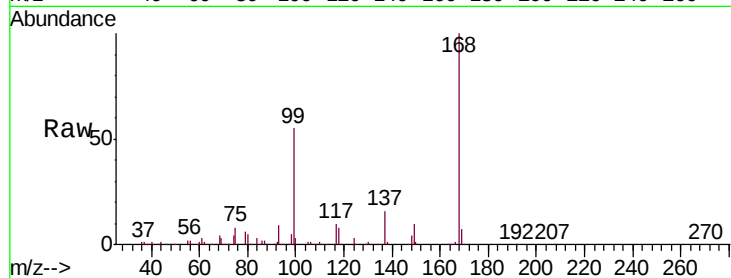
Tgt Ion: 56 Resp: 7678

Ion Ratio Lower Upper

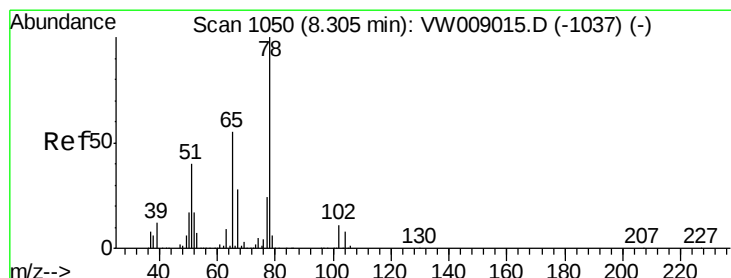
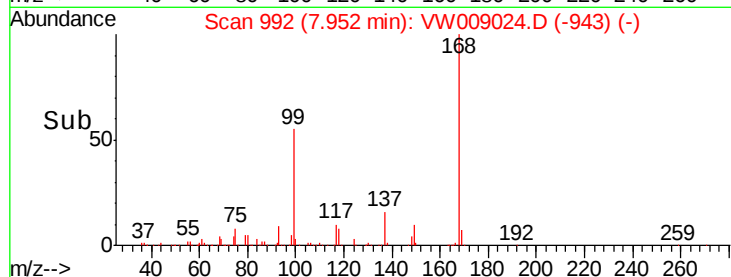
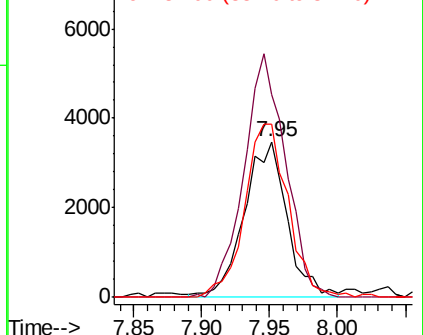
56 100

69 132.0 27.0 40.4#

84 113.2 68.3 102.5#



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: 55.766 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009024.D

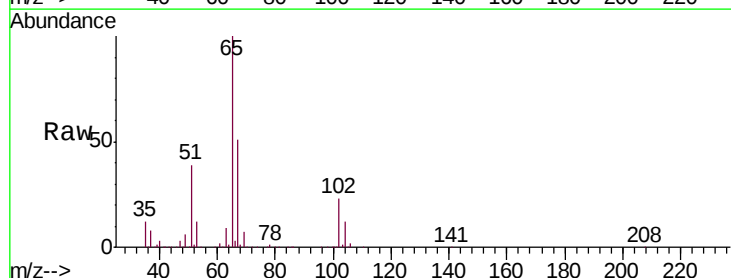
Acq: 06 Mar 2019 19:17

Tgt Ion: 65 Resp: 177243

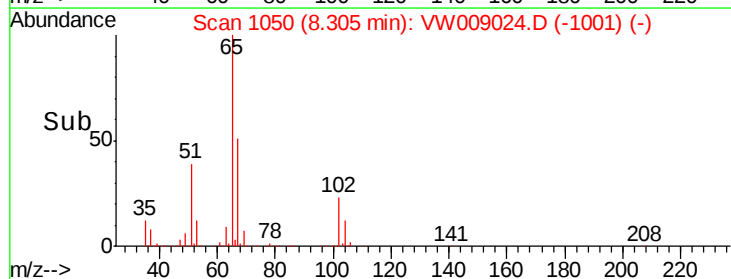
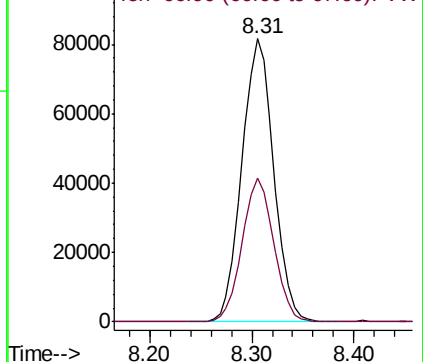
Ion Ratio Lower Upper

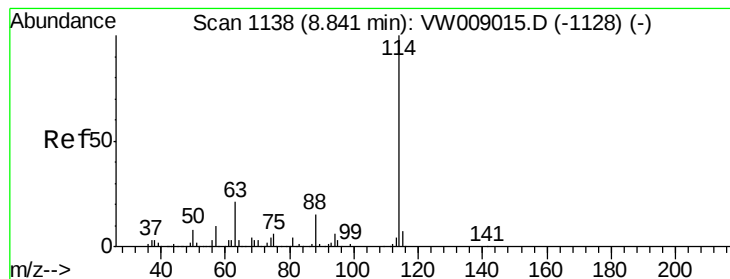
65 100

67 50.5 0.0 102.2



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: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

Z-2-6

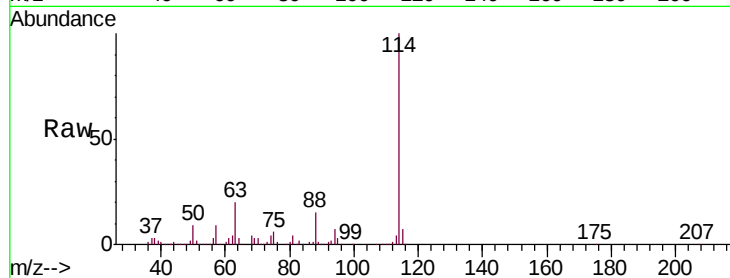
Tgt Ion:114 Resp: 496434

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

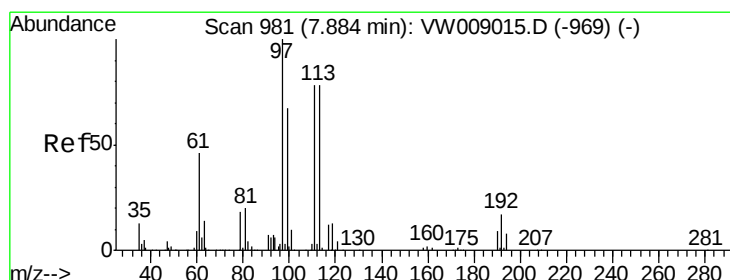
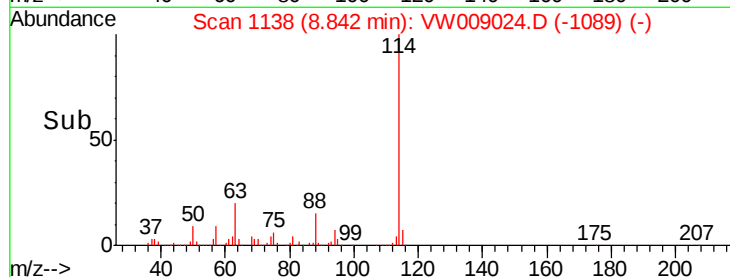
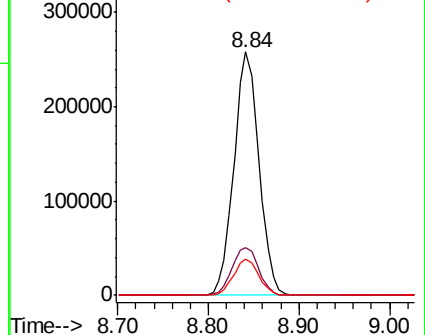
88 15.0 0.0 30.8



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: 50.733 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

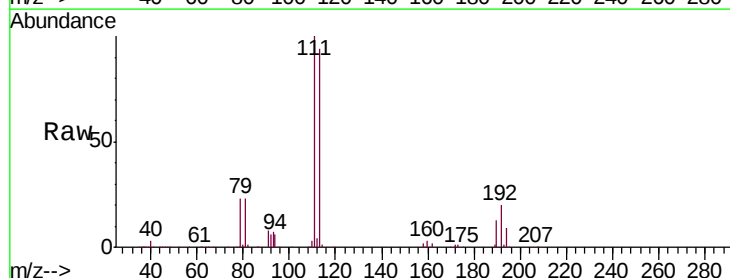
Tgt Ion:113 Resp: 151613

Ion Ratio Lower Upper

113 100

111 102.7 80.5 120.7

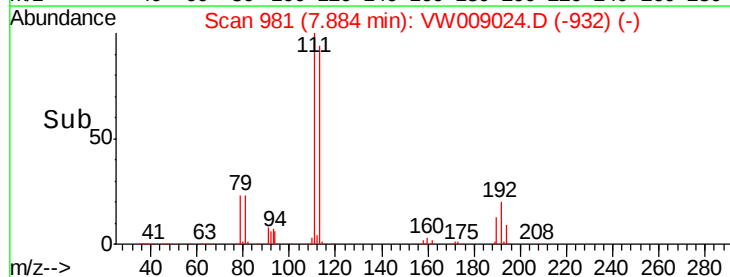
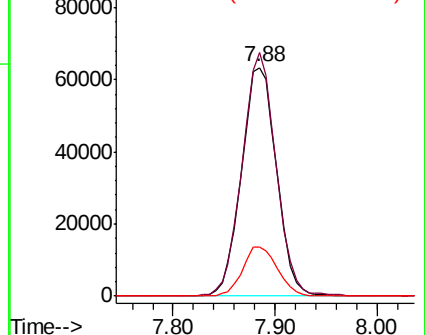
192 21.5 16.7 25.1

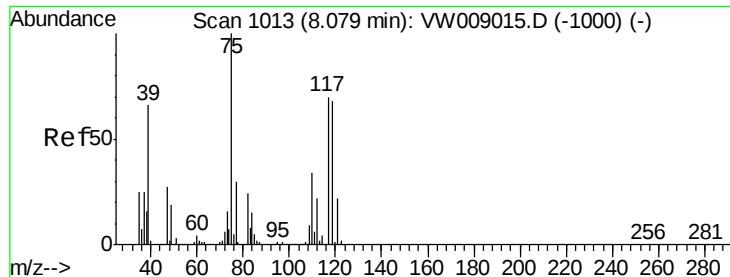


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.078 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

Z-2-6

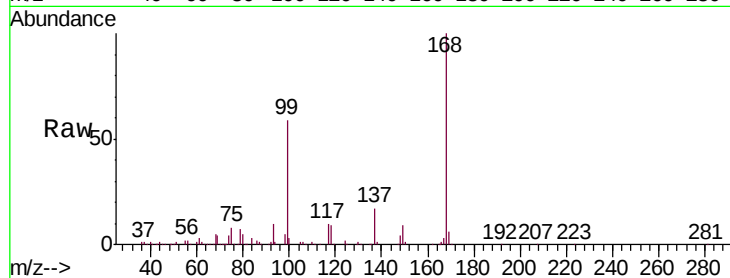
Tgt Ion: 75 Resp: 25067

Ion Ratio Lower Upper

75 100

110 10.2 17.3 51.9#

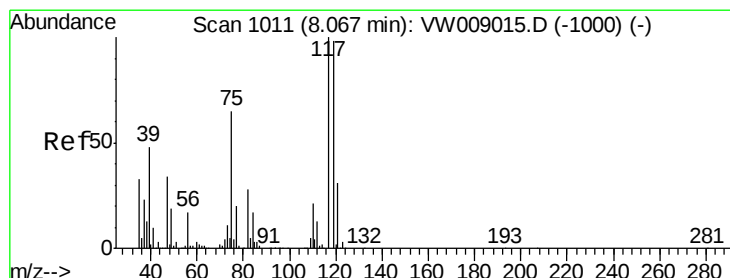
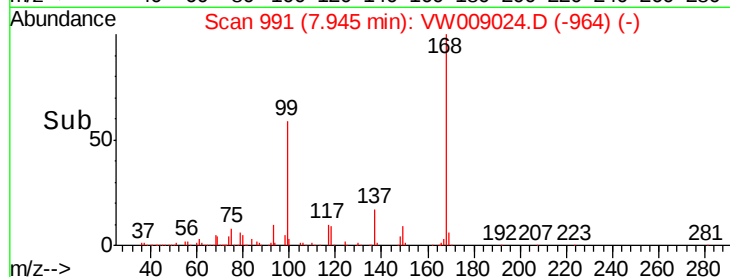
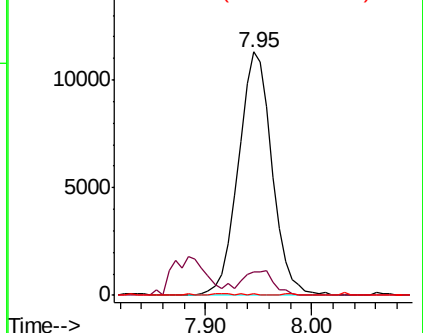
77 0.0 24.8 37.2#



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: 6.135 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

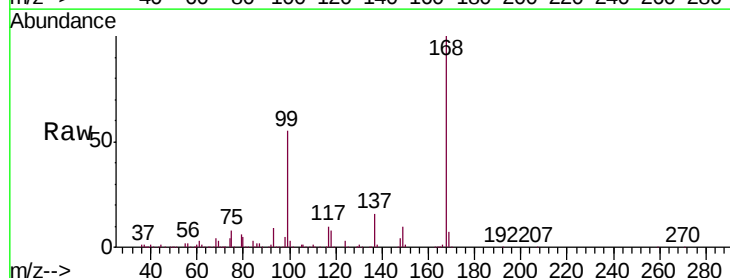
Tgt Ion: 117 Resp: 31338

Ion Ratio Lower Upper

117 100

119 4.3 78.4 117.6#

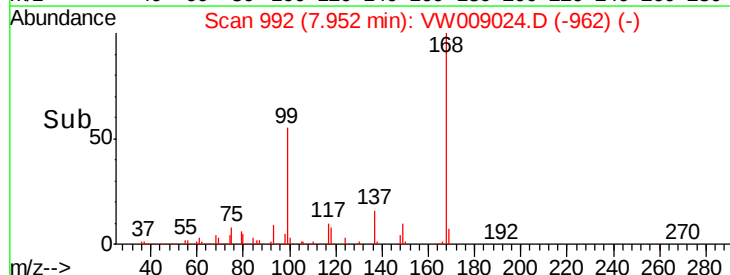
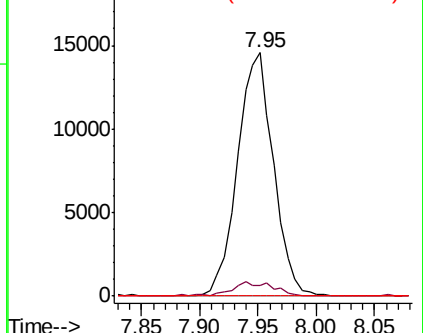
121 0.0 24.7 37.1#

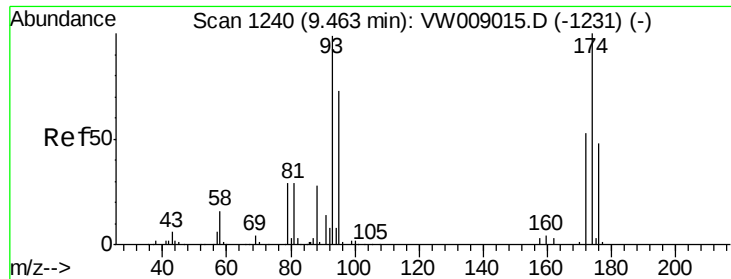


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.527 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

Z-2-6

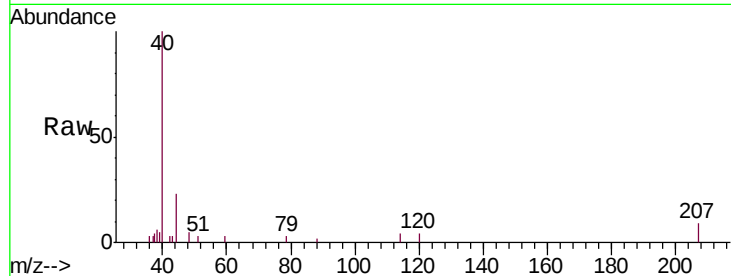
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 507.9 0.0 0.0#

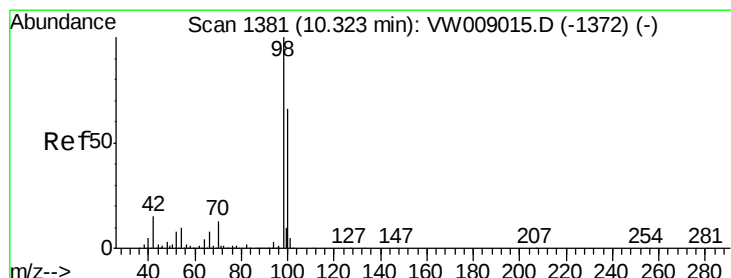
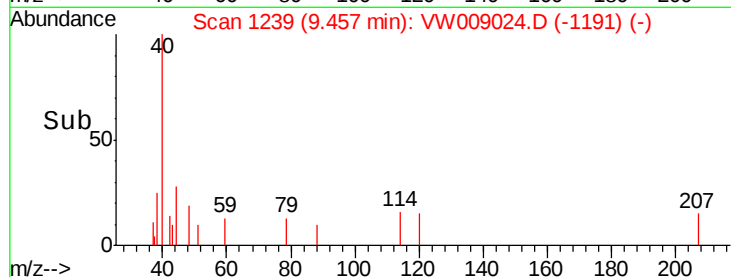
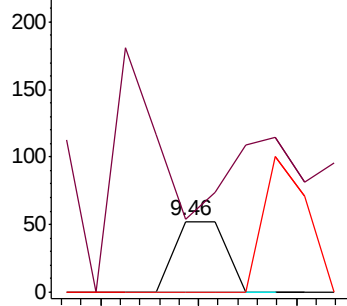
58 0.0 55.0 82.6#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.354 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009024.D

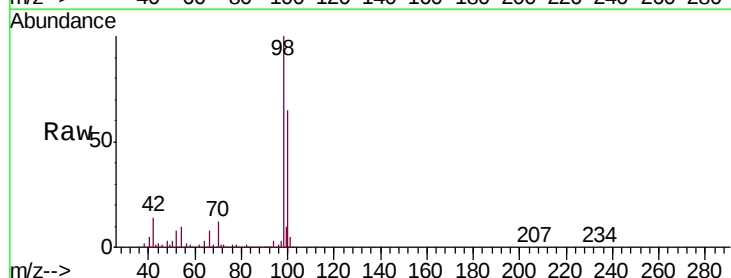
Acq: 06 Mar 2019 19:17

Tgt Ion: 98 Resp: 581558

Ion Ratio Lower Upper

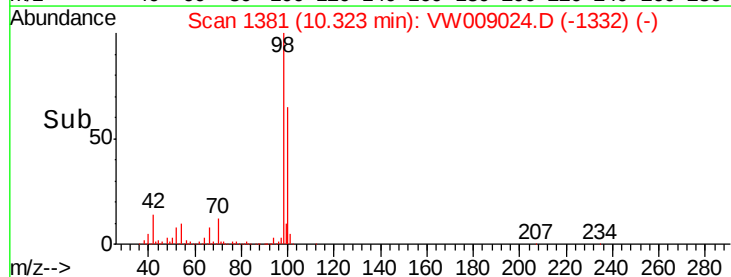
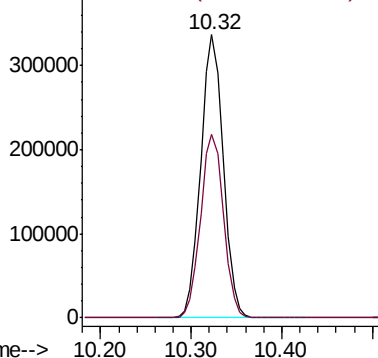
98 100

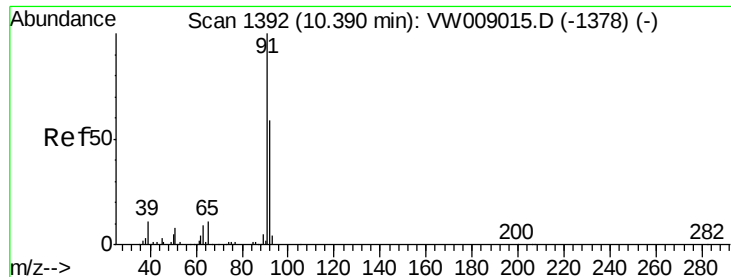
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.284 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

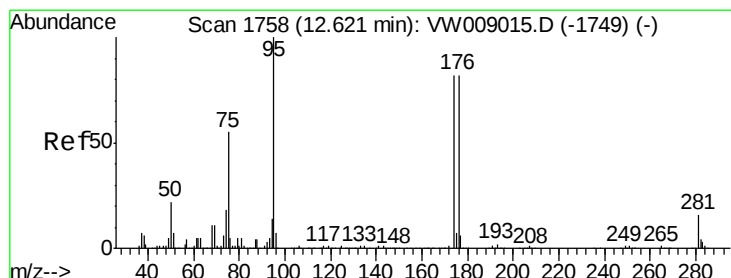
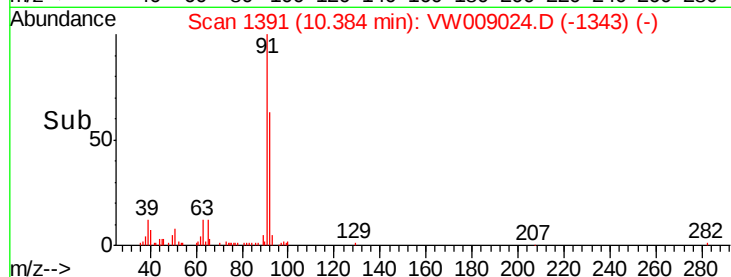
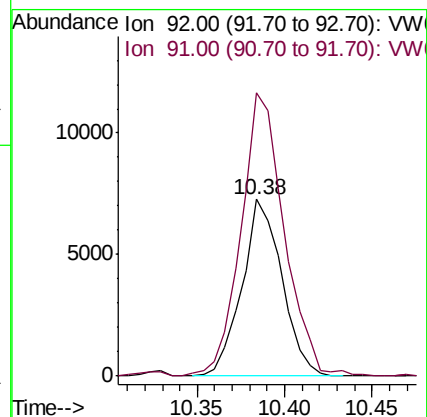
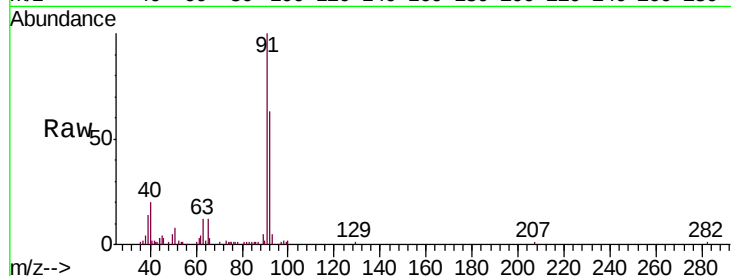
Z-2-6

Tgt Ion: 92 Resp: 11538

Ion Ratio Lower Upper

92 100

91 173.5 138.1 207.1



#62

4-Bromofluorobenzene

Concen: 37.767 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

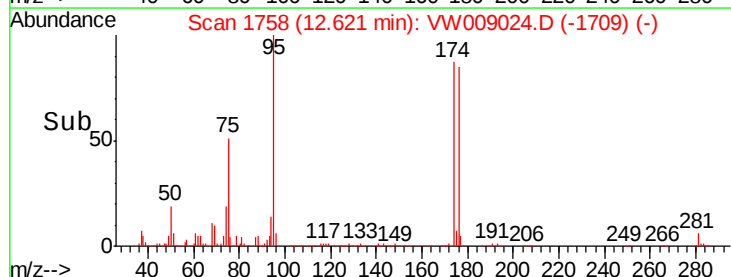
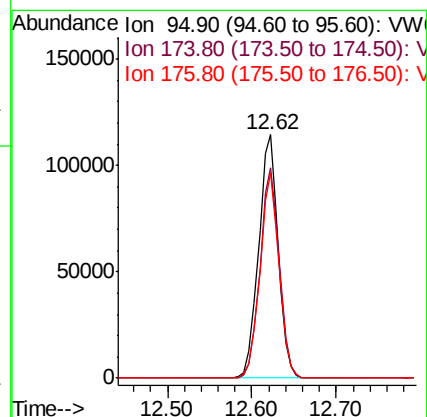
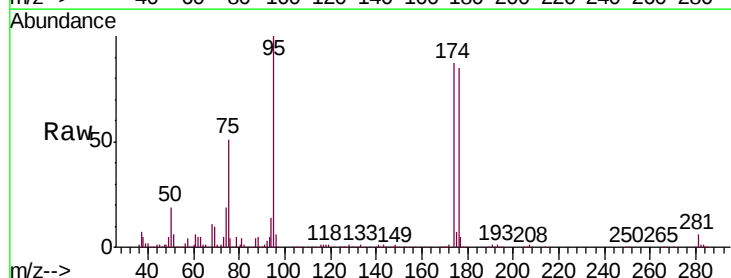
Tgt Ion: 95 Resp: 179128

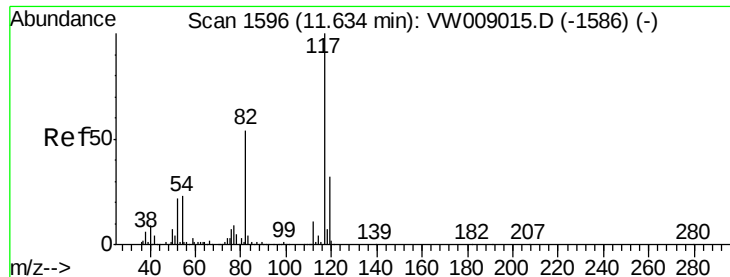
Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

176 82.4 0.0 159.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

Z-2-6

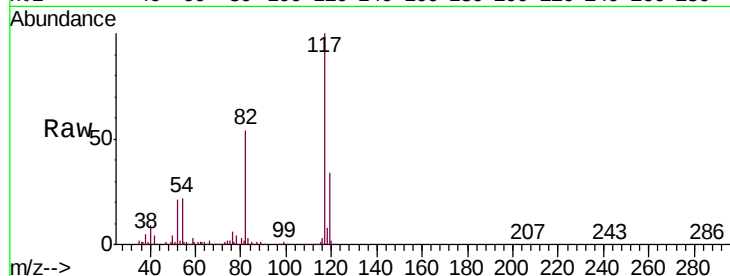
Tgt Ion:117 Resp: 415602

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.2

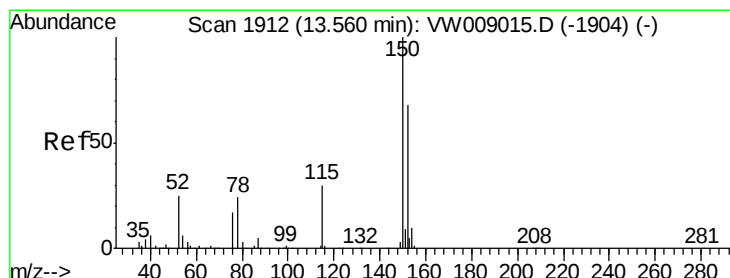
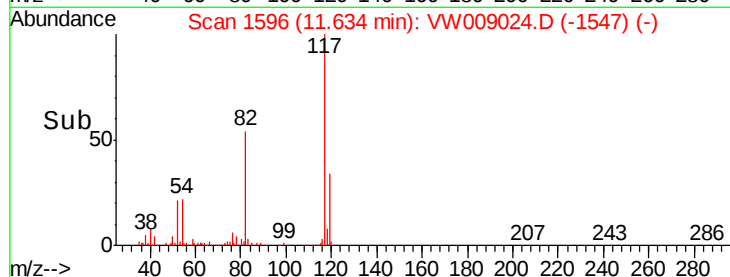
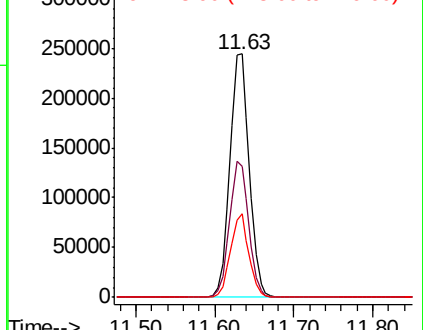
119 34.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

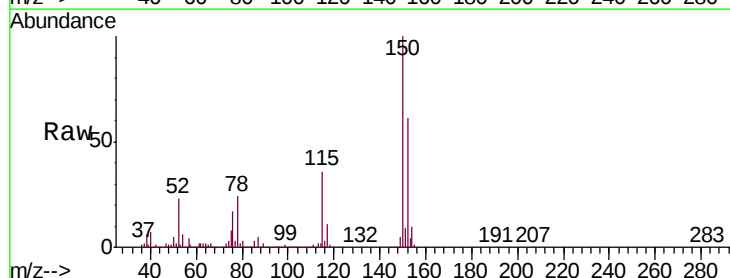
Tgt Ion:152 Resp: 160837

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.8

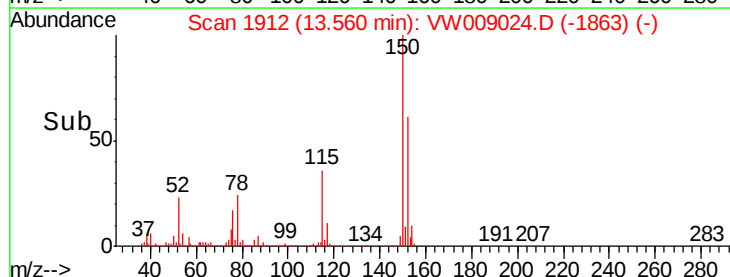
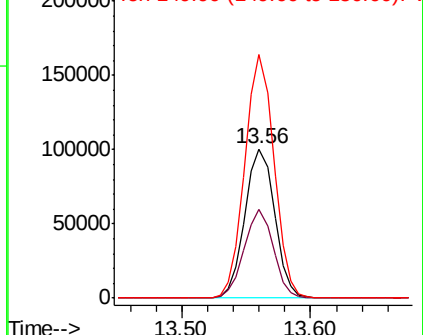
150 160.0 0.0 348.6

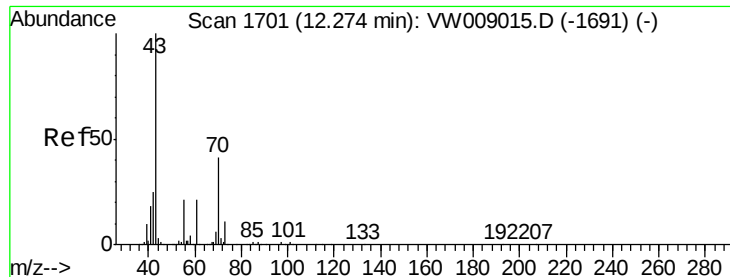


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

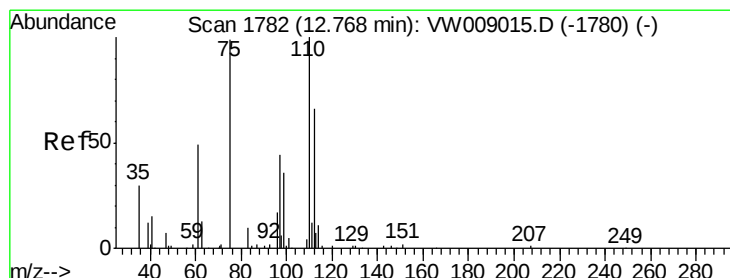
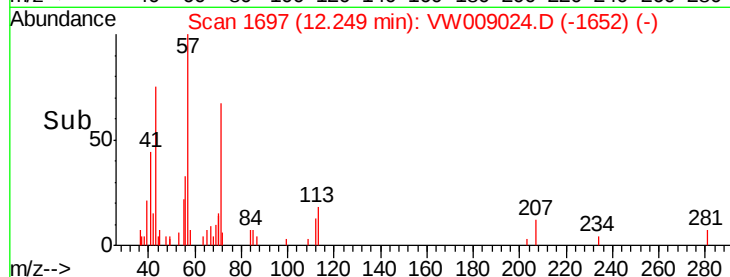
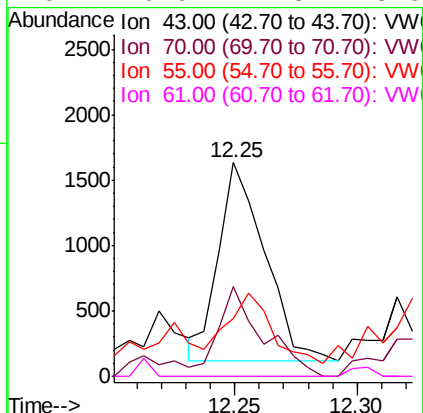
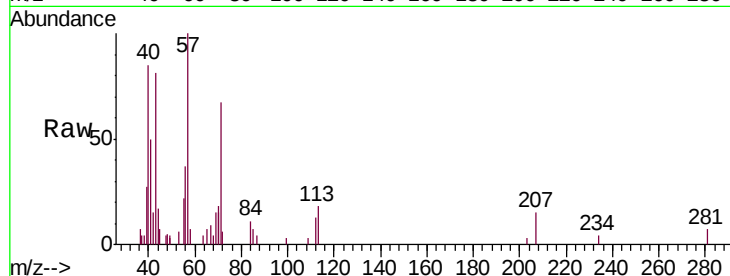




#74
N-amyI acetate
Concen: 4.844 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW009024.D
Acq: 06 Mar 2019 19:17

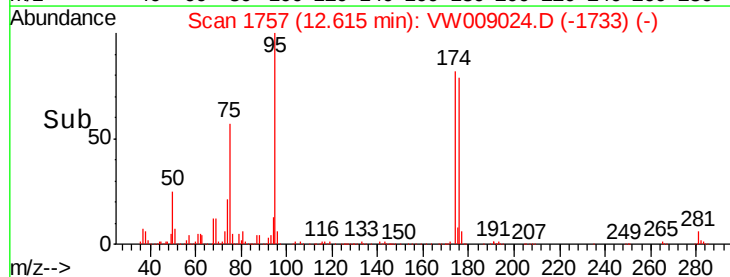
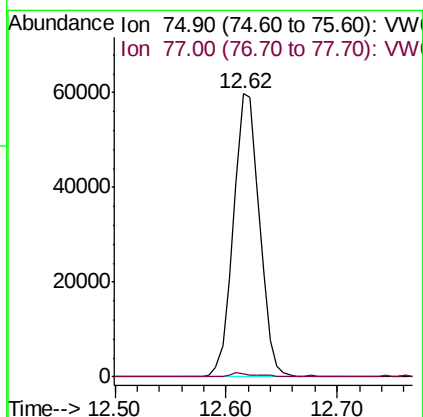
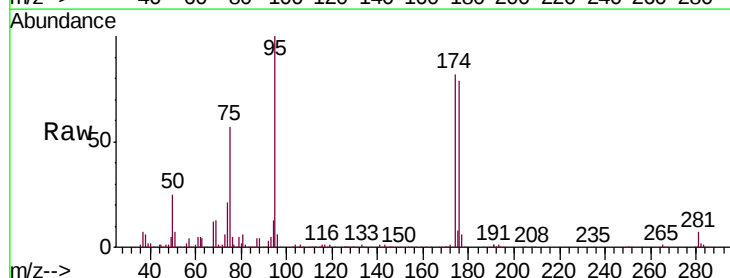
Instrument :
MSVOA_W
ClientSampled :
Z-2-6

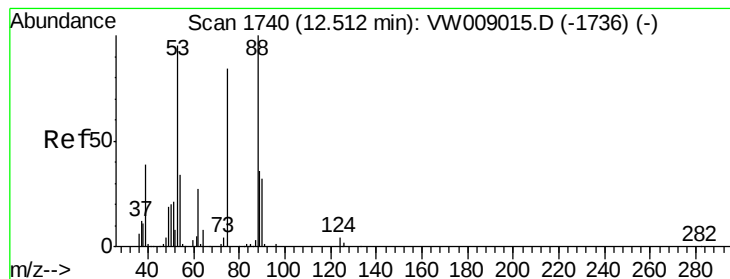
Tgt Ion:	43	Resp:	2006
Ion	Ratio	Lower	Upper
43	100		
70	43.1	31.2	46.8
55	33.1	18.0	27.0#
61	0.0	17.3	25.9#



#76
1,2,3-Trichloropropane
Concen: 75.921 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW009024.D
Acq: 06 Mar 2019 19:17

Tgt Ion:	75	Resp:	96778
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 153.546 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009024.D

Acq: 06 Mar 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

Z-2-6

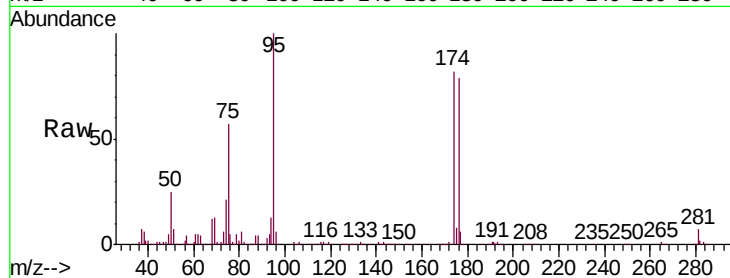
Tgt Ion: 75 Resp: 96778

Ion Ratio Lower Upper

75 100

53 0.3 88.5 132.7#

89 0.1 36.3 54.5#



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

