

Data File : VW009025.D
Acq On : 06 Mar 2019 19:44
Operator : SY/VA
Sample : K1753-09
Misc : 4.85G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-2-7

Quant Time: Mar 07 07:28:45 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	317494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	438563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	193568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	181130	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	151645	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	10.32	98	596549	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.62	95	195359	41.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.68%	

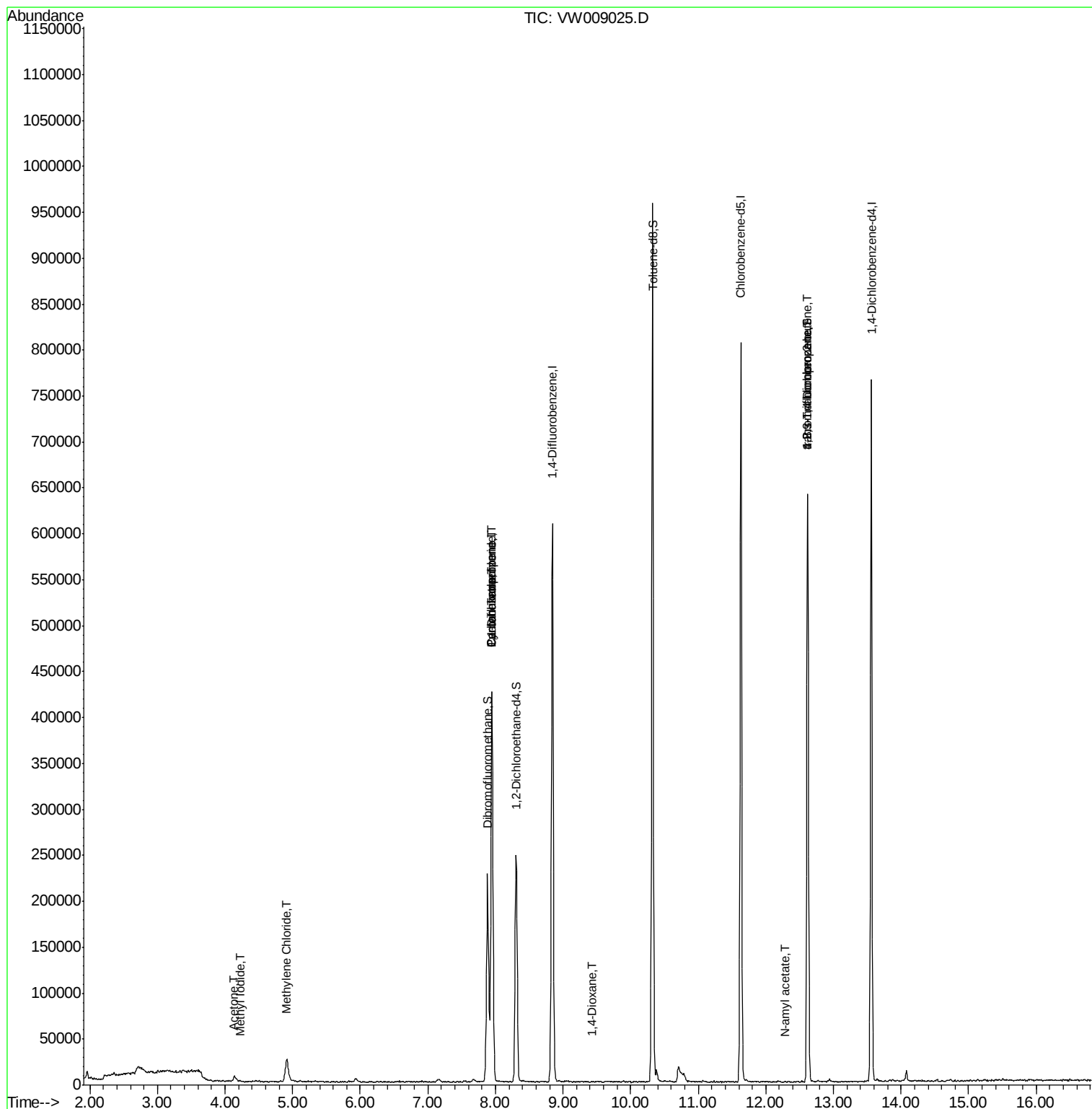
Target Compounds			Qvalue			
10) Methyl Iodide	4.23	142	30	5.644	ug/l #	39
16) Acetone	4.14	43	10238	15.649	ug/l #	84
20) Methylene Chloride	4.92	84	18974	3.743	ug/l	95
31) Cyclohexane	7.95	56	7892	1.379	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	25625	5.210	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32015	6.290	ug/l #	16
49) 1,4-Dioxane	9.43	88	46	1.855	ug/l #	77
74) N-amyl acetate	12.28	43	154	4.256	ug/l #	5
76) 1,2,3-Trichloropropane	12.62	75	103392	67.394	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	103392	136.835	ug/l #	6

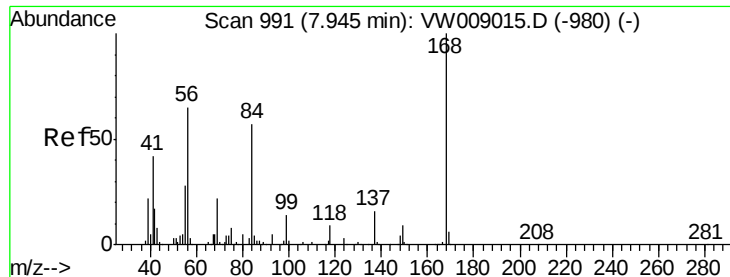
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

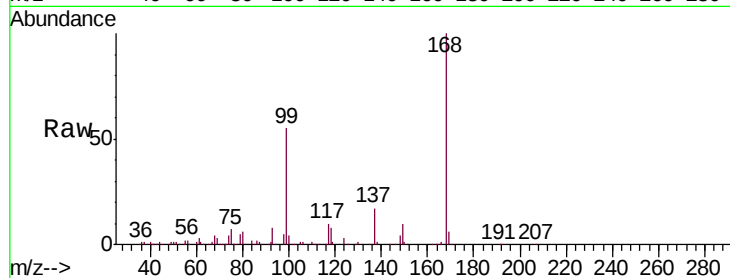
Z-2-7

Tgt Ion:168 Resp: 317494

Ion Ratio Lower Upper

168 100

99 54.9 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

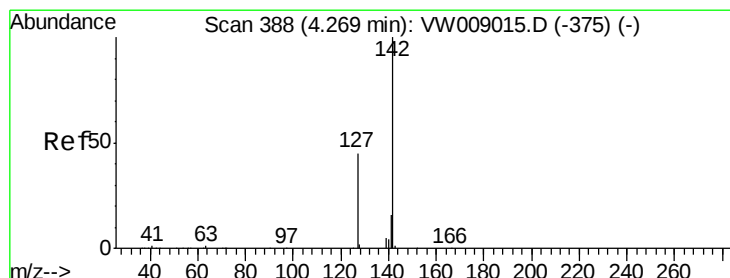
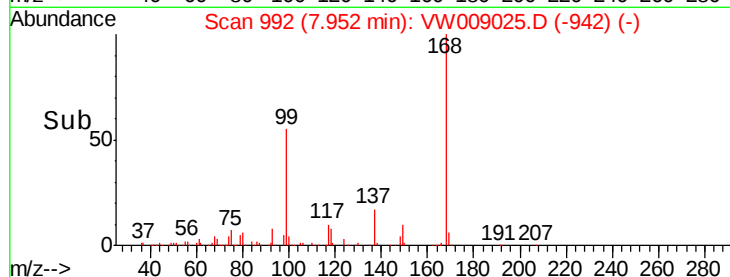
100000

50000

0

7.90 8.00

Time-->



#10

Methyl Iodide

Concen: 5.644 ug/l

RT: 4.23 min Scan# 381

Delta R.T. -0.04 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

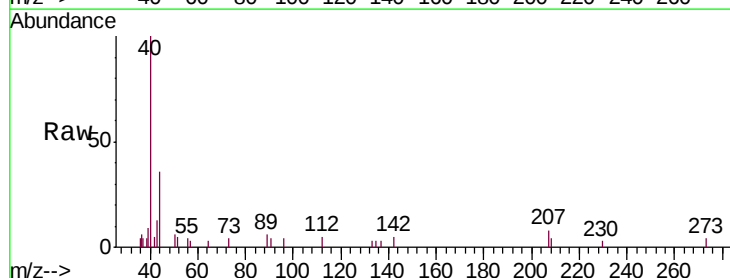
Tgt Ion:142 Resp: 30

Ion Ratio Lower Upper

142 100

127 0.0 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

4.23

100

80

60

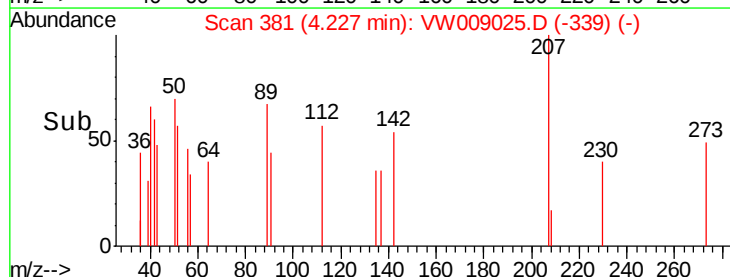
40

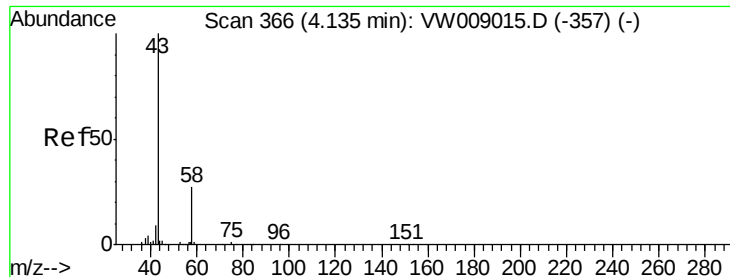
20

0

4.21 4.22 4.23 4.24

Time-->

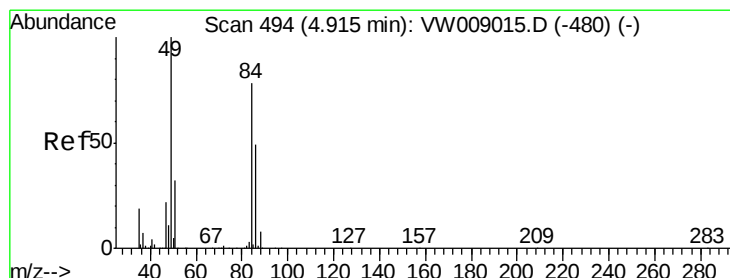
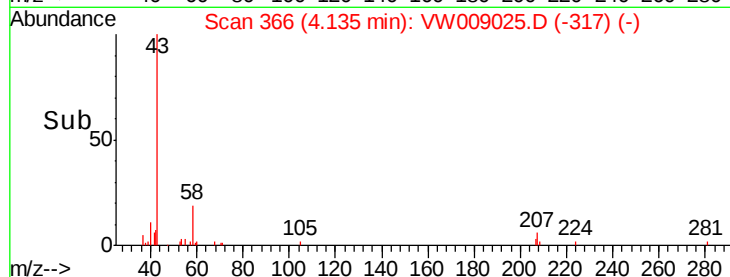
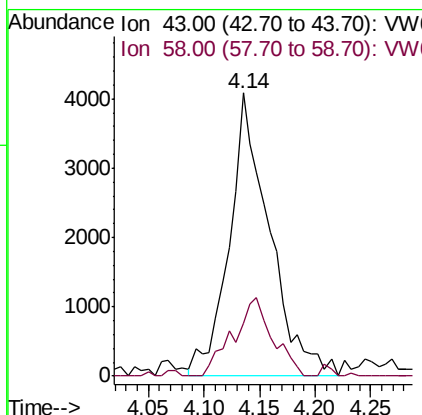
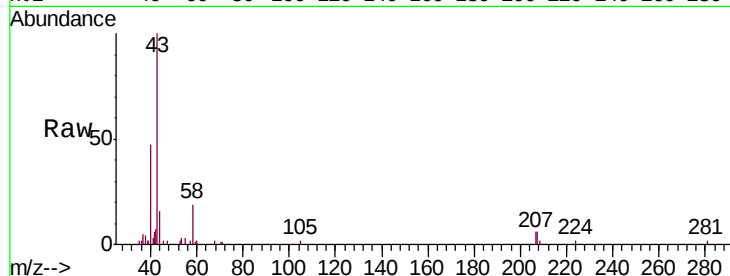




#16
Acetone
Concen: 15.649 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.00 min
Lab File: VW009025.D
Acq: 06 Mar 2019 19:44

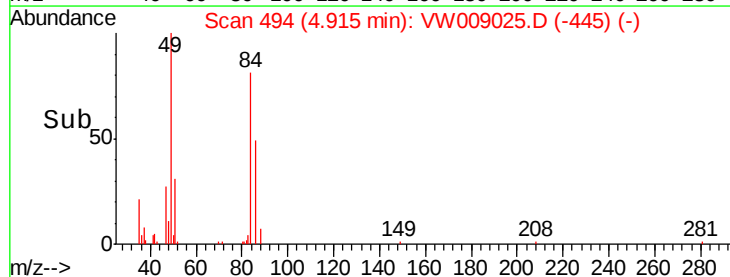
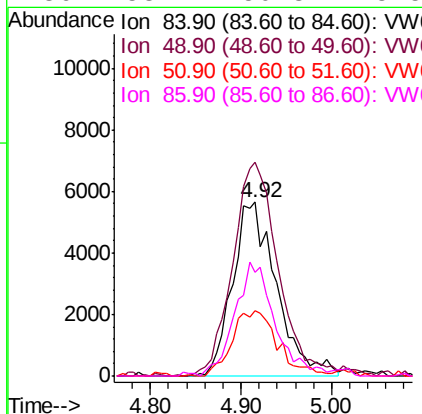
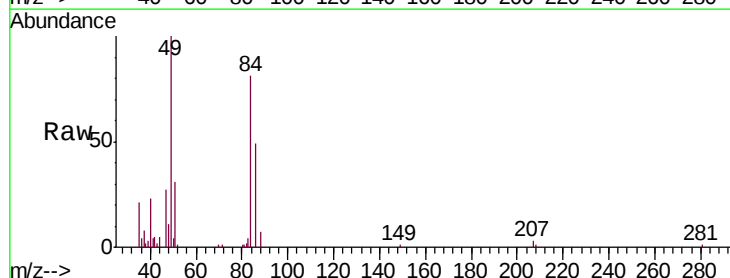
Instrument :
MSVOA_W
ClientSampleId :
Z-2-7

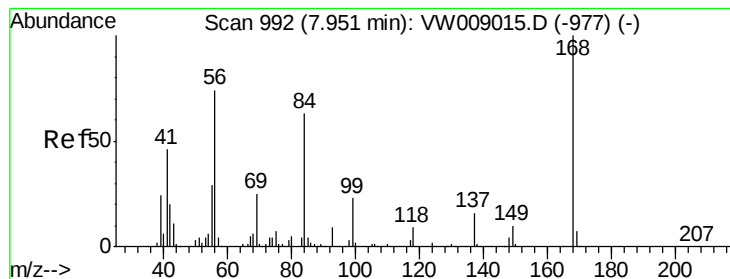
Tgt Ion: 43 Resp: 10238
Ion Ratio Lower Upper
43 100
58 18.5 21.6 32.4#



#20
Methylene Chloride
Concen: 3.743 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009025.D
Acq: 06 Mar 2019 19:44

Tgt Ion: 84 Resp: 18974
Ion Ratio Lower Upper
84 100
49 123.1 102.8 154.2
51 36.9 32.4 48.6
86 58.1 50.3 75.5





#31

Cyclohexane

Concen: 1.379 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampled :

Z-2-7

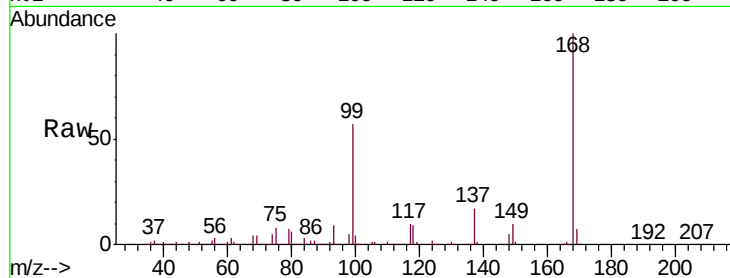
Tgt Ion: 56 Resp: 7892

Ion Ratio Lower Upper

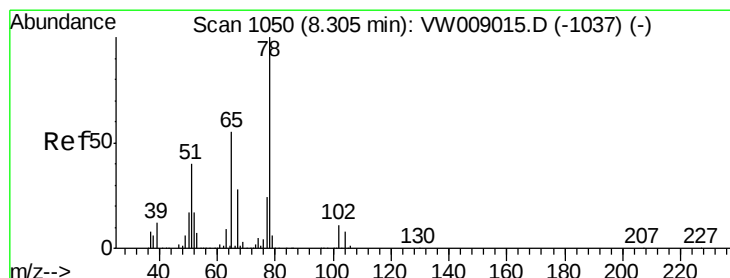
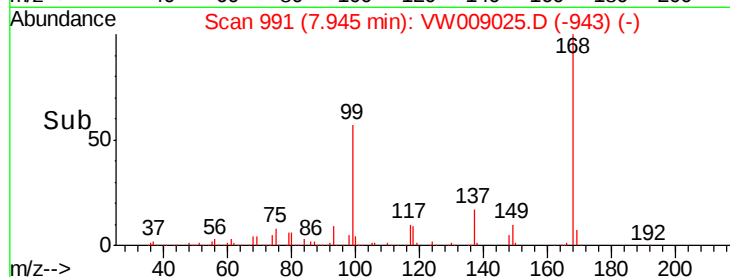
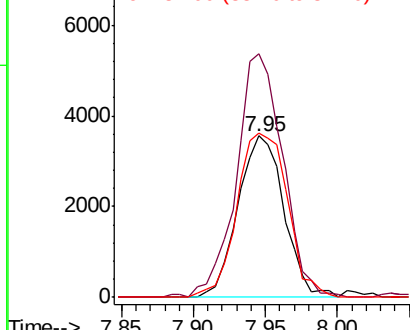
56 100

69 150.6 27.0 40.4#

84 101.9 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: 56.866 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009025.D

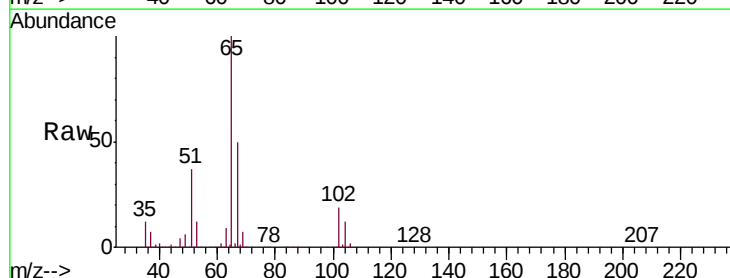
Acq: 06 Mar 2019 19:44

Tgt Ion: 65 Resp: 181130

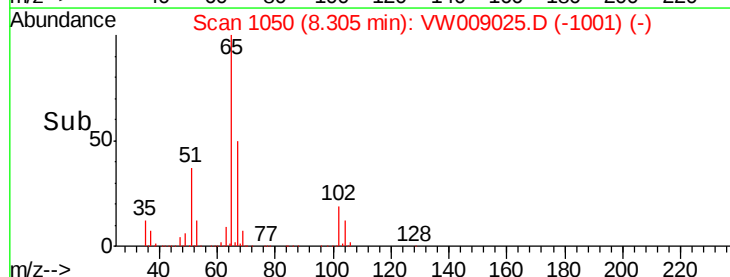
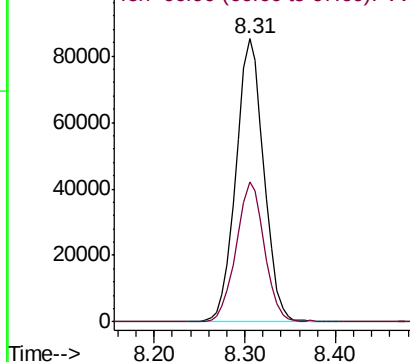
Ion Ratio Lower Upper

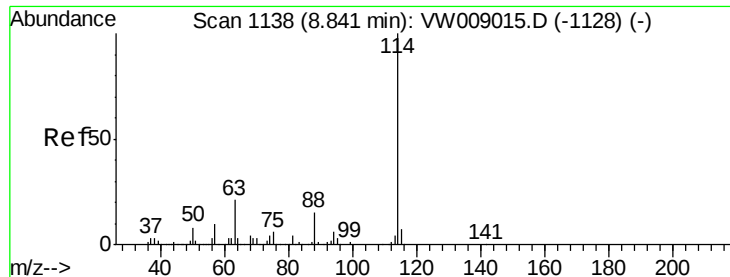
65 100

67 50.1 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: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

Z-2-7

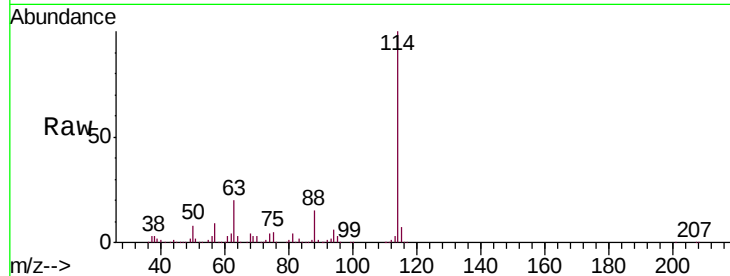
Tgt Ion:114 Resp: 494647

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

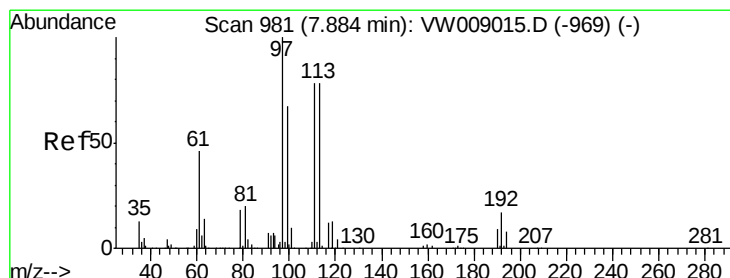
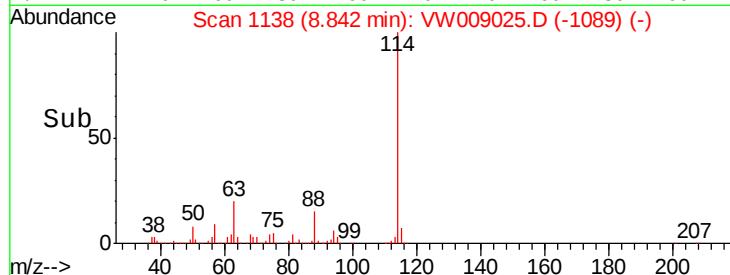
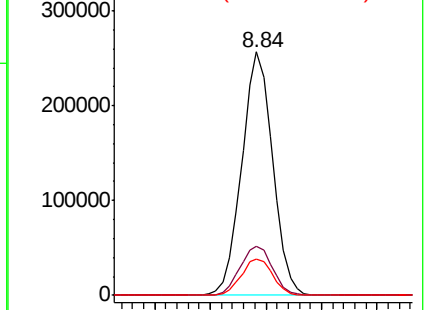
88 14.7 0.0 30.8



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: 50.927 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

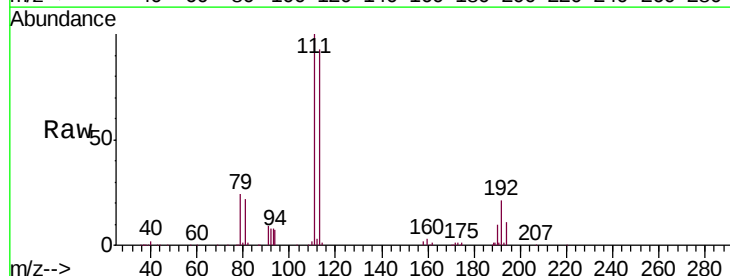
Tgt Ion:113 Resp: 151645

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

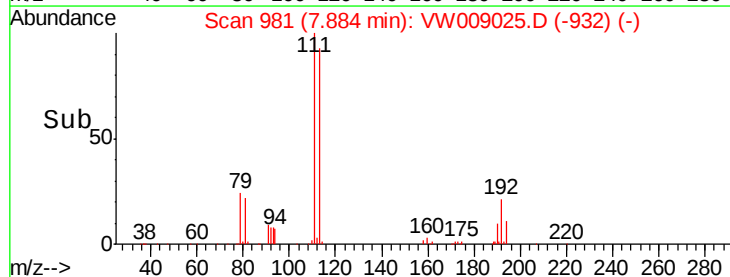
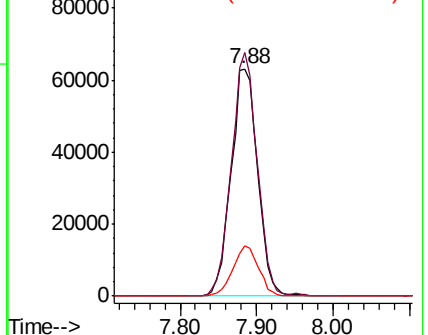
192 21.5 16.7 25.1

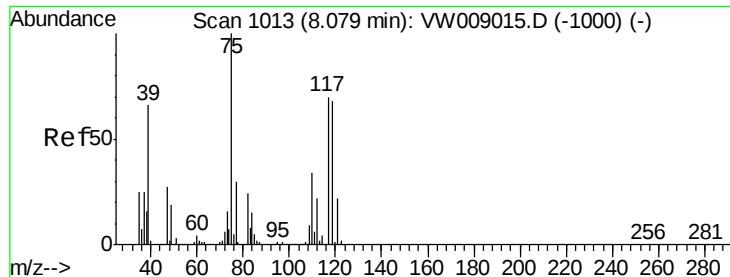


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

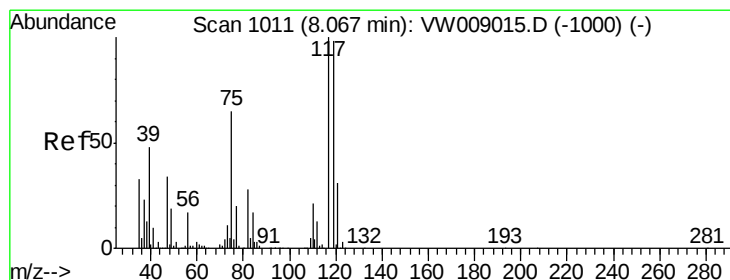
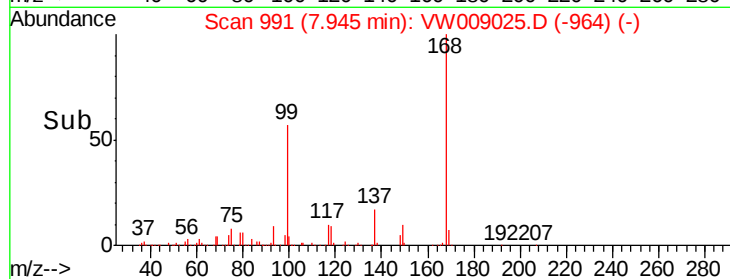
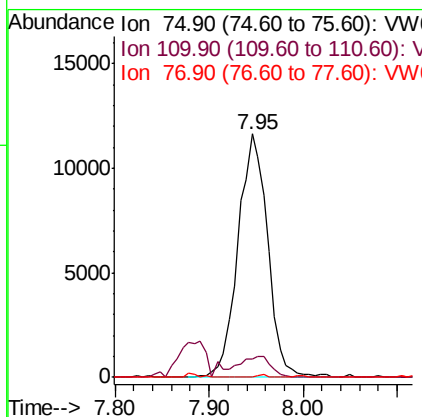
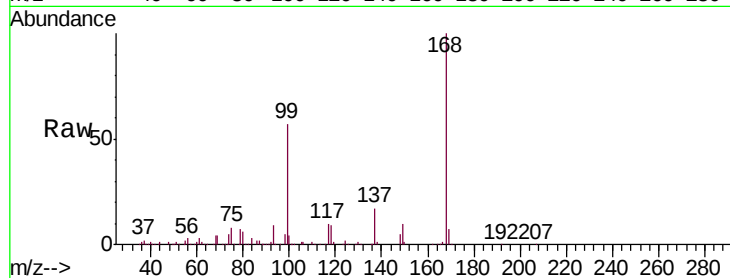




#36
 1,1-Dichloropropene
 Concen: 5.210 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009025.D
 Acq: 06 Mar 2019 19:44

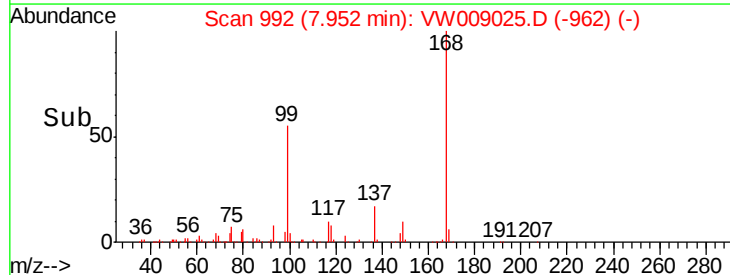
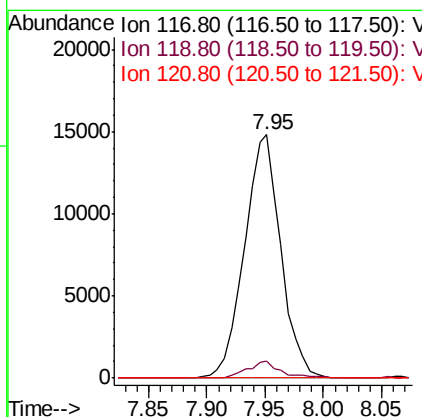
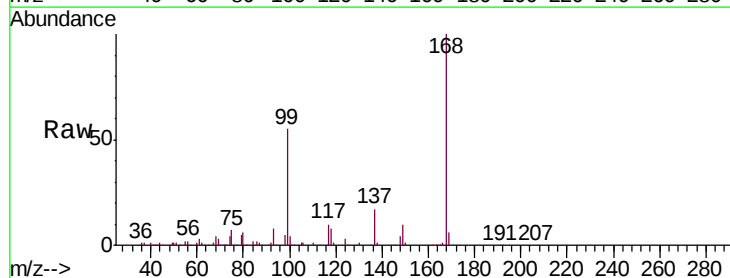
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-2-7

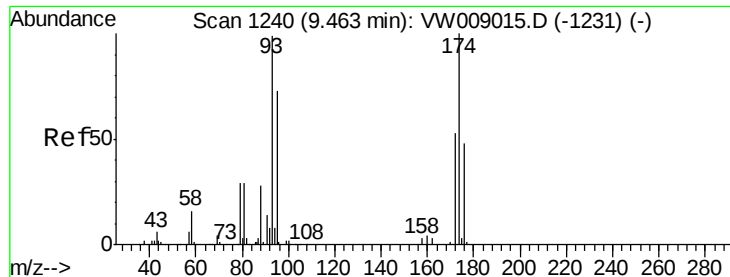
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.3	51.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.290 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009025.D
 Acq: 06 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.4	117.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.855 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

Z-2-7

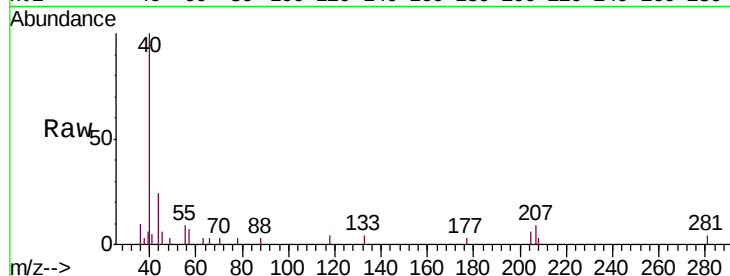
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 115.2 0.0 0.0#

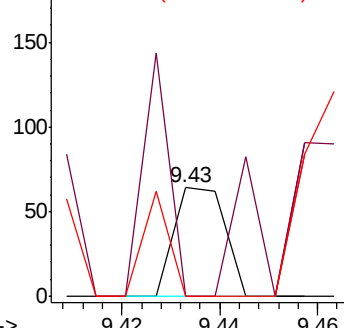
58 50.0 55.0 82.6#



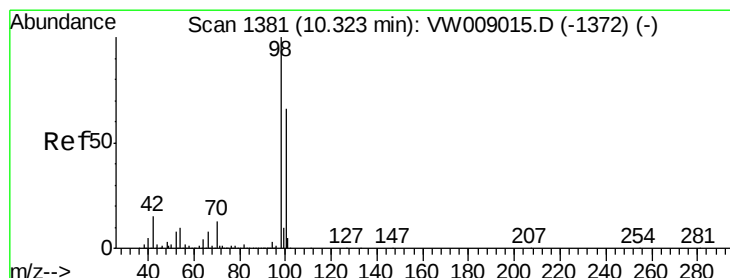
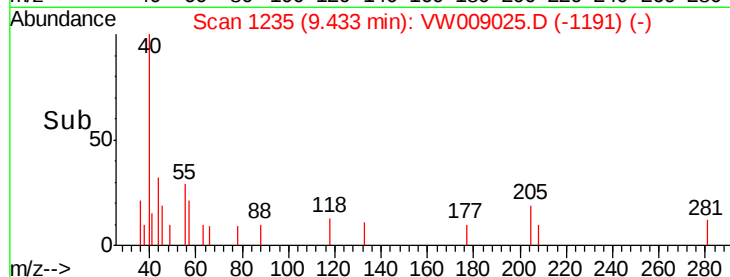
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 48.750 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009025.D

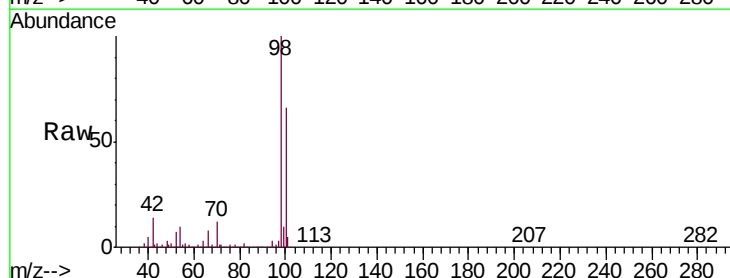
Acq: 06 Mar 2019 19:44

Tgt Ion: 98 Resp: 596549

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

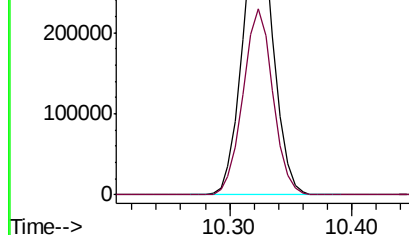
400000

300000

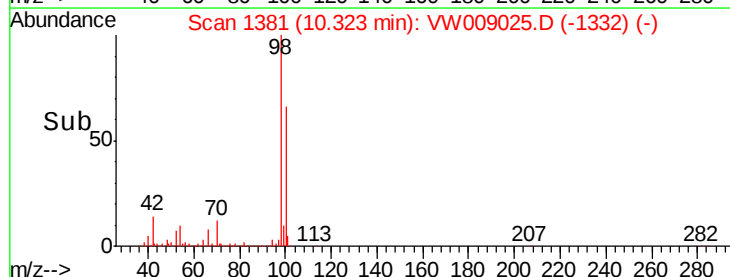
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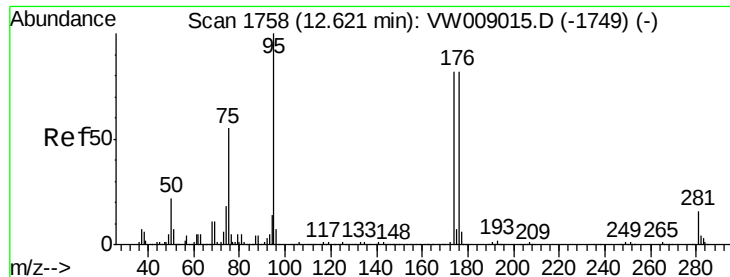
100000

0



Time-->





#62

4-Bromofluorobenzene

Concen: 41.338 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampled :

Z-2-7

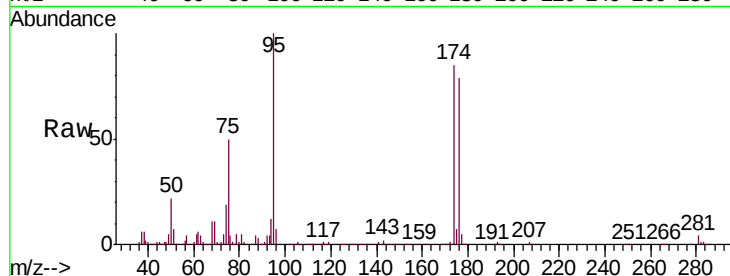
Tgt Ion: 95 Resp: 195359

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.8

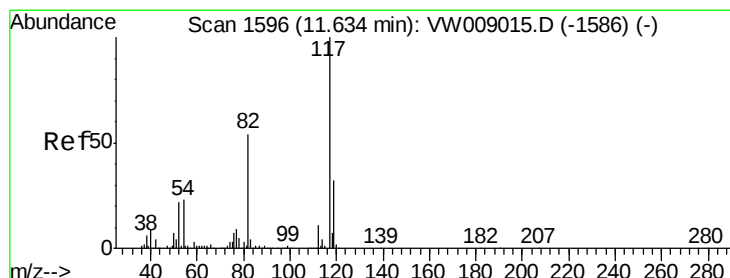
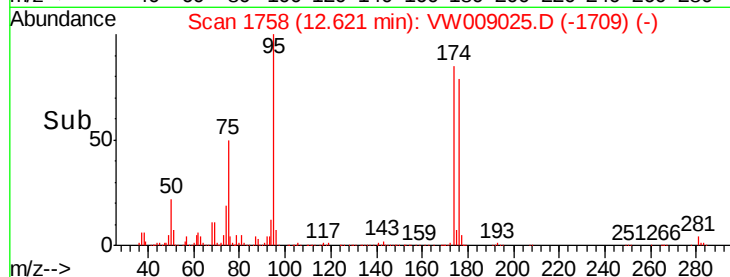
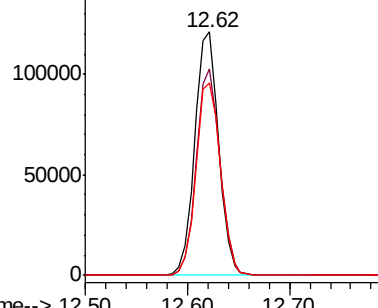
176 81.2 0.0 159.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

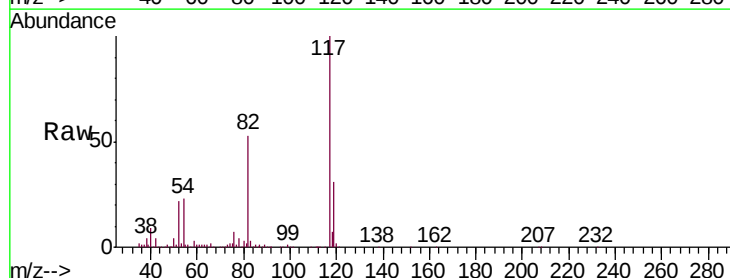
Tgt Ion: 117 Resp: 438563

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.2

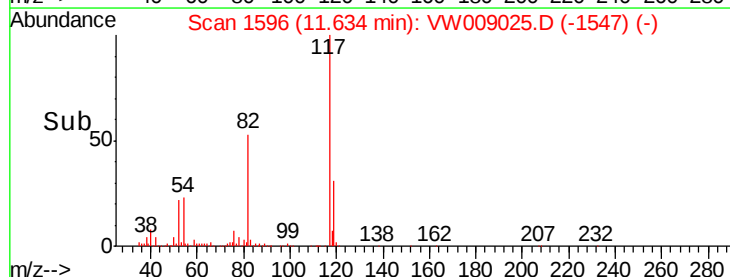
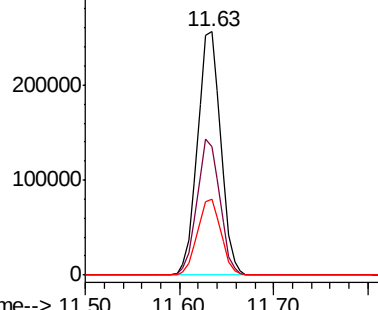
119 31.2 25.8 38.8

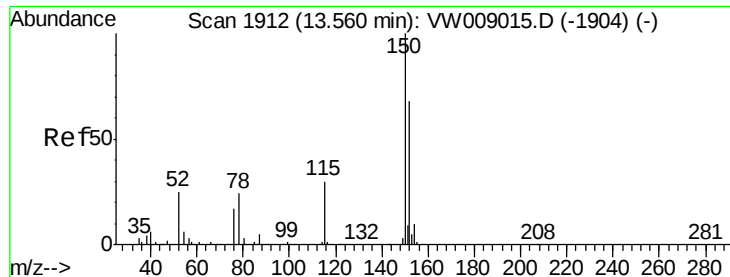


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

Z-2-7

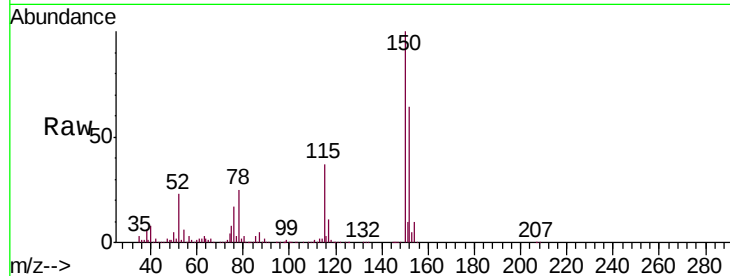
Tgt Ion:152 Resp: 193568

Ion Ratio Lower Upper

152 100

115 58.3 29.3 87.8

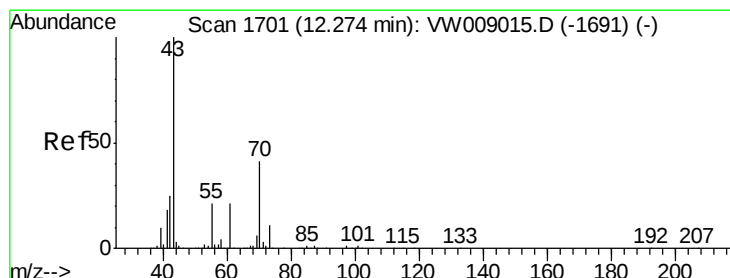
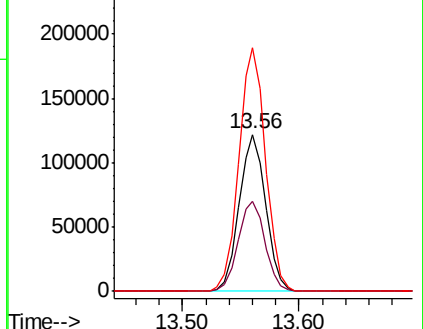
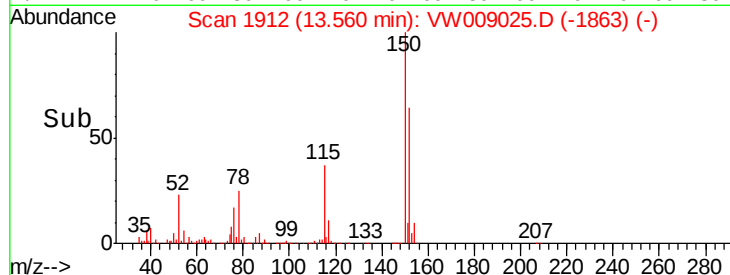
150 155.3 0.0 348.6



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-ethyl acetate

Concen: 4.256 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW009025.D

Acq: 06 Mar 2019 19:44

Tgt Ion: 43 Resp: 154

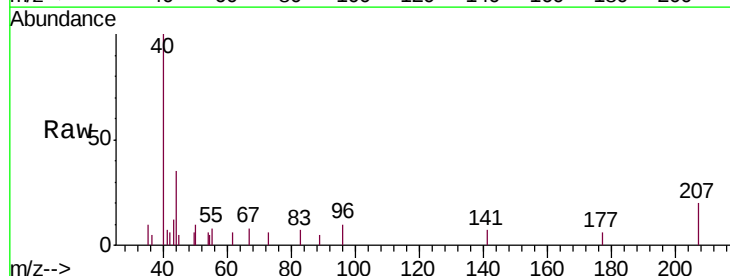
Ion Ratio Lower Upper

43 100

70 0.0 31.2 46.8#

55 116.9 18.0 27.0#

61 0.0 17.3 25.9#

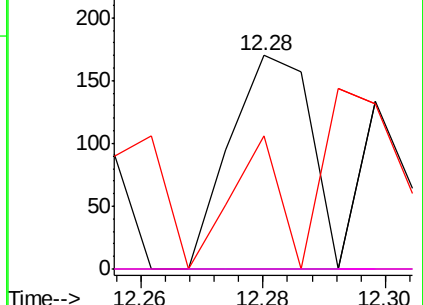
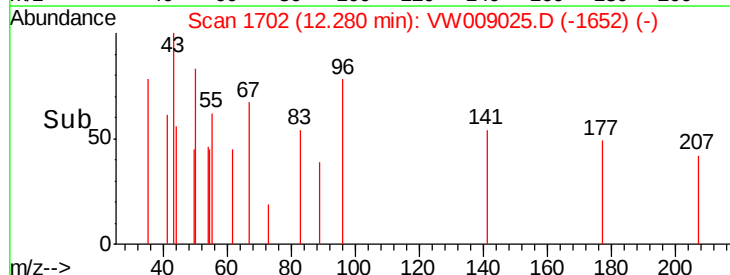


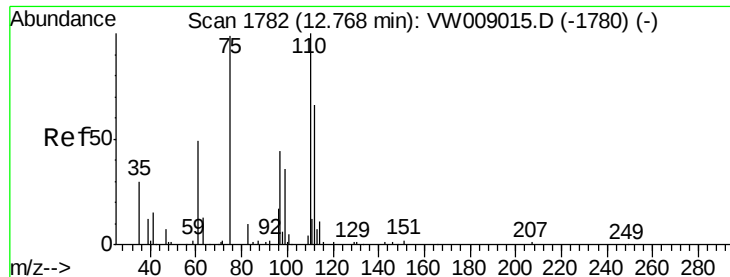
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

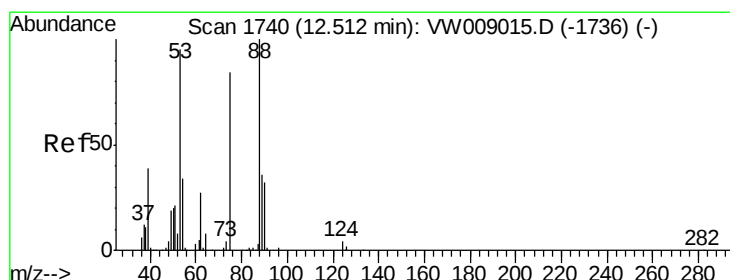
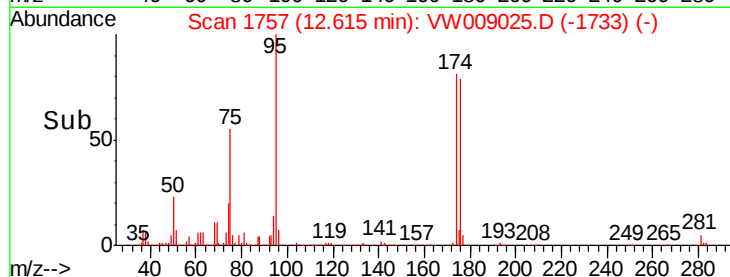
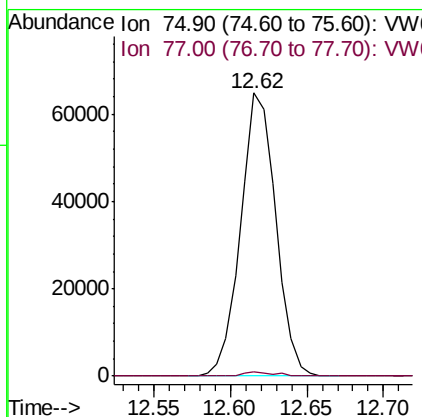
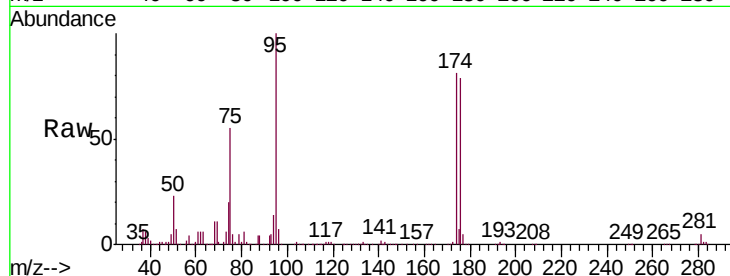




#76
 1,2,3-Trichloropropane
 Concen: 67.394 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW009025.D
 Acq: 06 Mar 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-2-7

Tgt Ion: 75 Resp: 103392
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.835 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW009025.D
 Acq: 06 Mar 2019 19:44

Tgt Ion: 75 Resp: 103392
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.5 132.7#
 89 0.1 36.3 54.5#

