

Data File : VW009022.D
Acq On : 06 Mar 2019 18:24
Operator : SY/VA
Sample : K1655-10RE
Misc : 6.6G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0

Quant Time: Mar 07 07:27:53 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	306554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	401835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	175547	57.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.16%	
35) Dibromofluoromethane	7.88	113	142594	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.32	98	558168	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.62	95	182681	40.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.26%	

Target Compounds

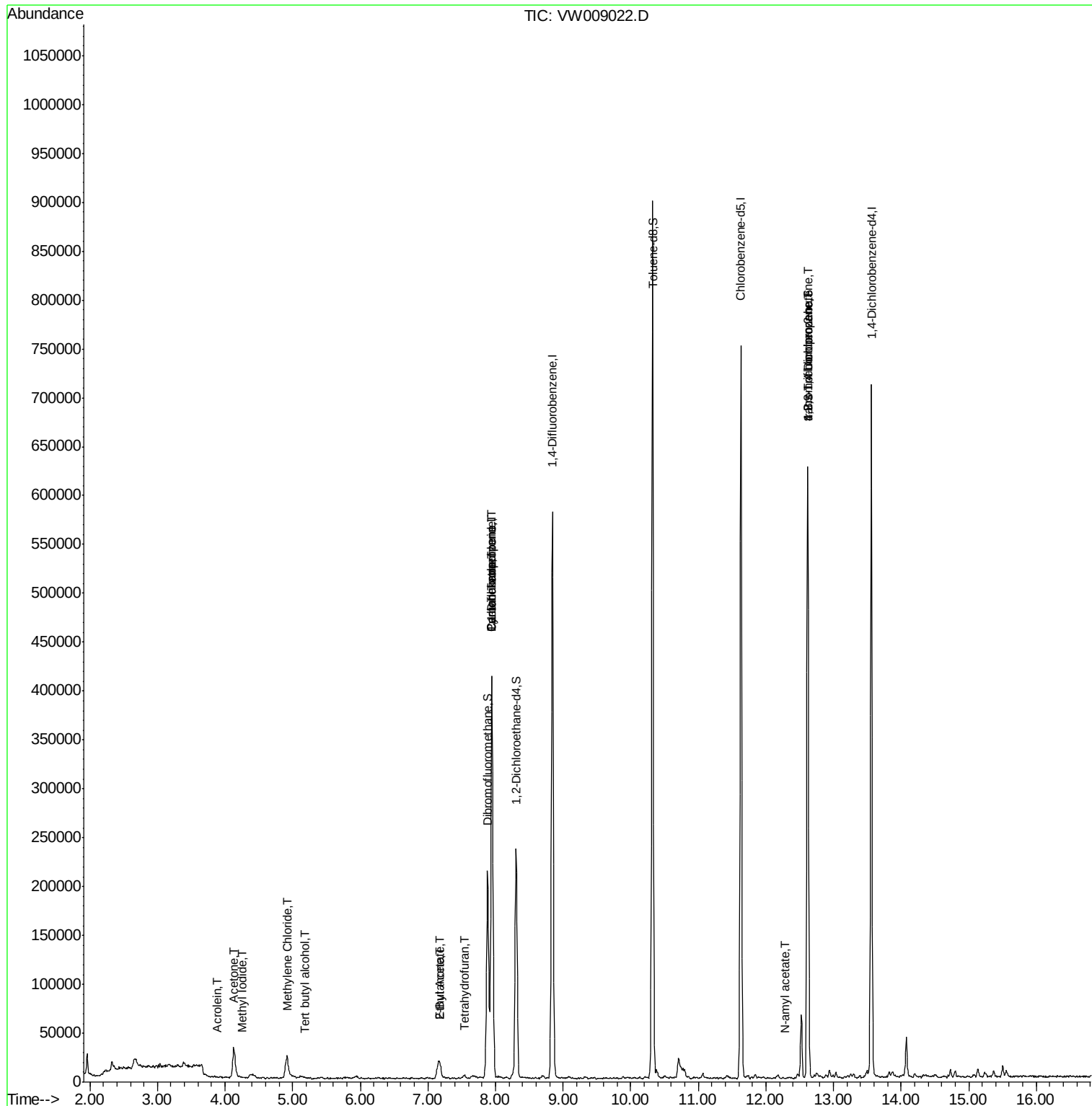
						Qvalue
10) Methyl Iodide	4.25	142	105	5.663	ug/l #	39
11) Tert butyl alcohol	5.19	59	225	1.021	ug/l	96
13) Acrolein	3.89	56	797	3.160	ug/l #	47
16) Acetone	4.13	43	56916	90.102	ug/l	98
20) Methylene Chloride	4.92	84	15736	2.905	ug/l	96
25) 2-Butanone	7.18	43	19480	21.678	ug/l	98
29) Tetrahydrofuran	7.55	42	1998	3.539	ug/l #	78
31) Cyclohexane	7.95	56	7493	1.356	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	23844	5.095	ug/l #	51
37) Ethyl Acetate	7.18	43	19480	9.411	ug/l #	70
38) Carbon Tetrachloride	7.95	117	29145	6.018	ug/l #	16
74) N-amyl acetate	12.28	43	648	4.405	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	96467	70.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96467	142.940	ug/l #	6

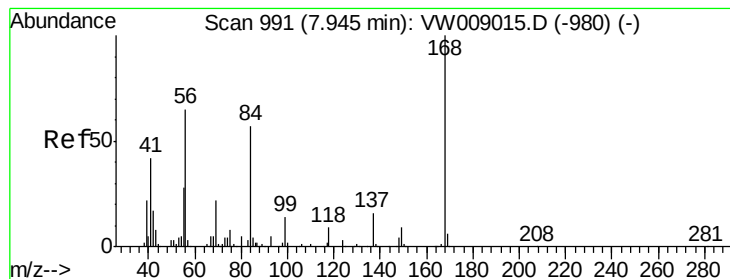
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

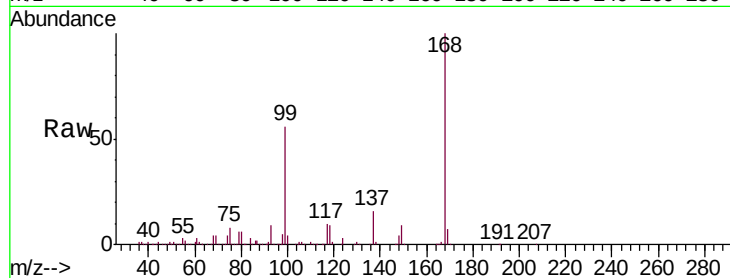
A0C12-2-1.5-2.0

Tgt Ion:168 Resp: 306554

Ion Ratio Lower Upper

168 100

99 56.5 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

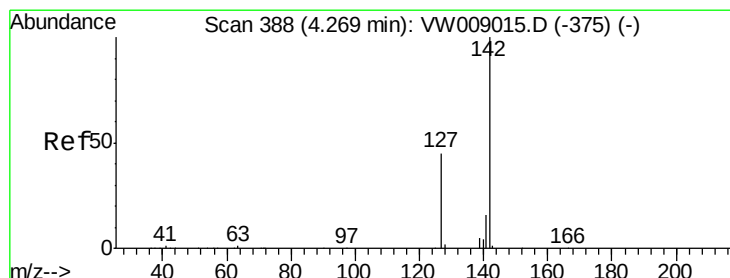
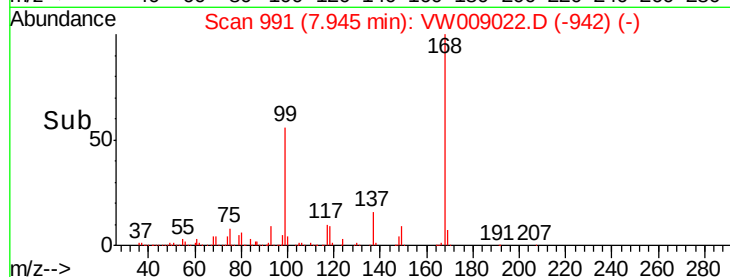
100000

50000

0

7.90 8.00

Time-->



#10

Methyl Iodide

Concen: 5.663 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

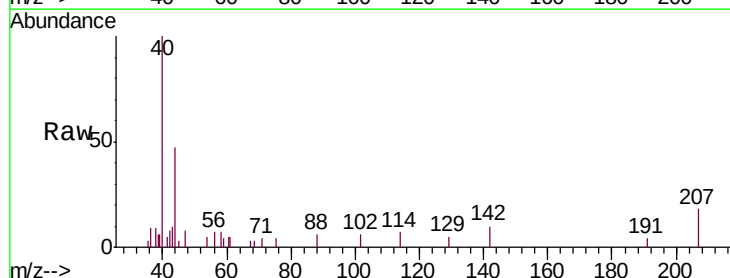
Tgt Ion:142 Resp: 105

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

4.25

200

150

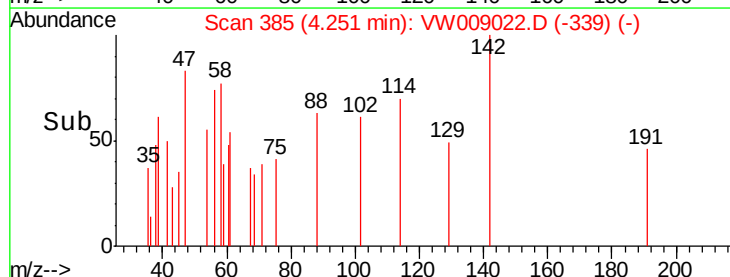
100

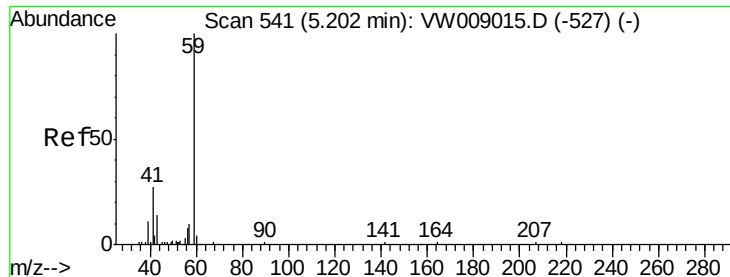
50

0

4.24 4.26 4.28

Time-->

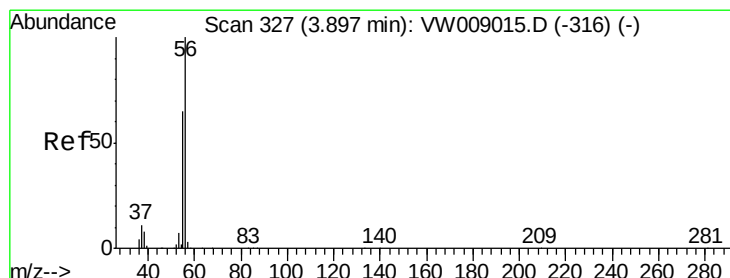
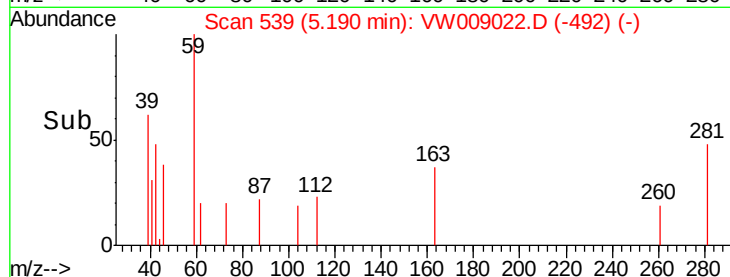
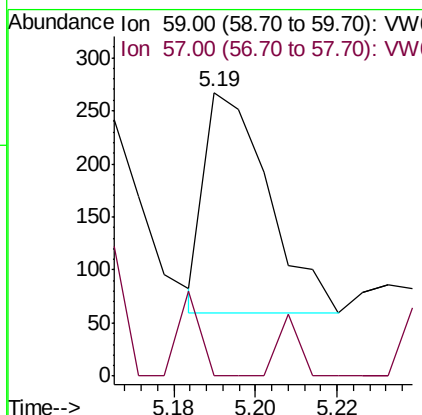
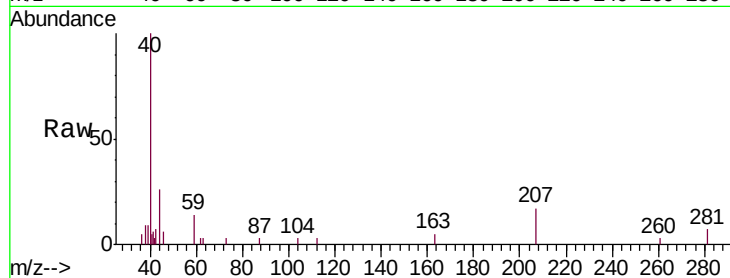




#11
Tert butyl alcohol
Concen: 1.021 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

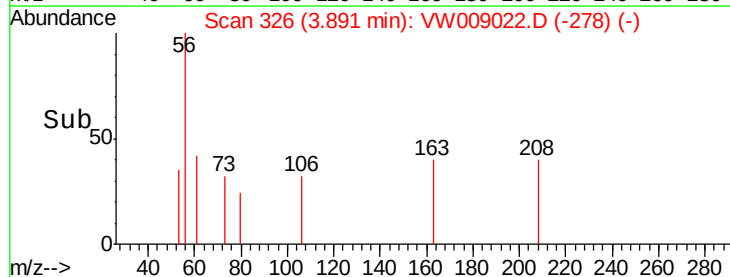
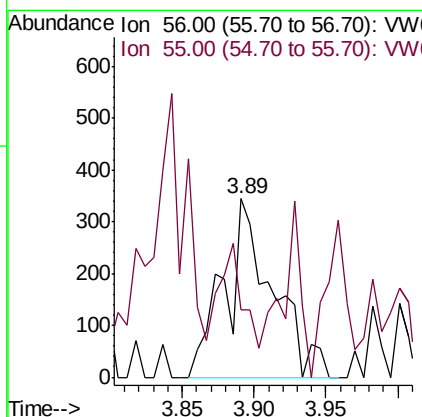
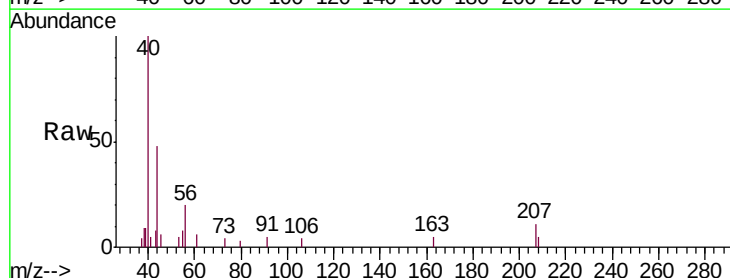
Instrument :
MSVOA_W
ClientSampled :
A0C12-2-1.5-2.0

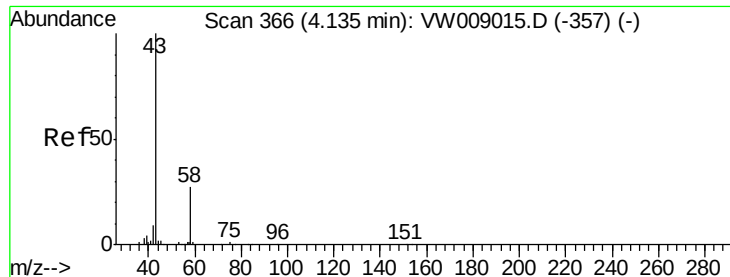
Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 12.9 9.0 13.6



#13
Acrolein
Concen: 3.160 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

Tgt Ion: 56 Resp: 797
Ion Ratio Lower Upper
56 100
55 27.5 57.1 85.7#

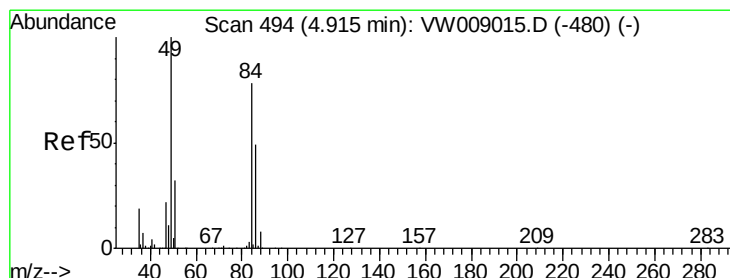
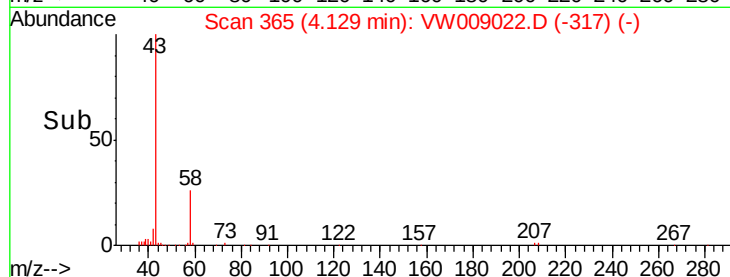
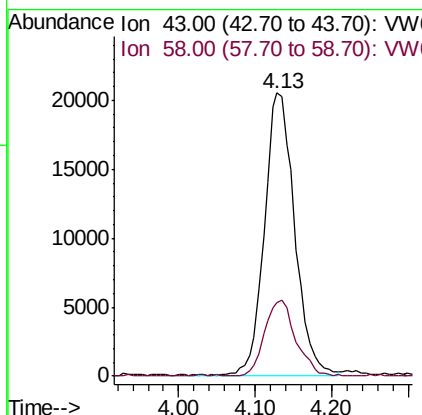
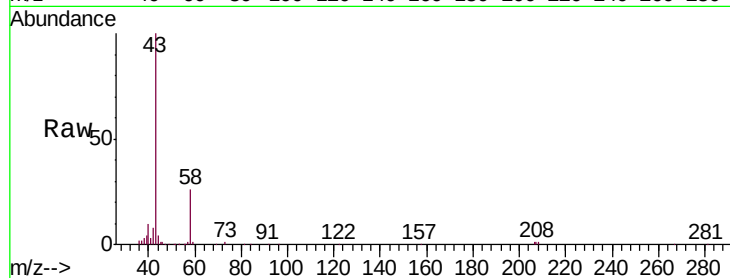




#16
Acetone
Concen: 90.102 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

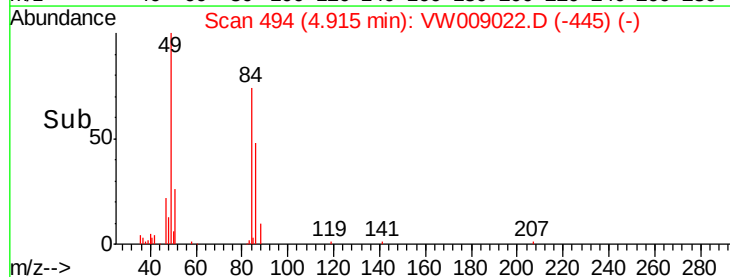
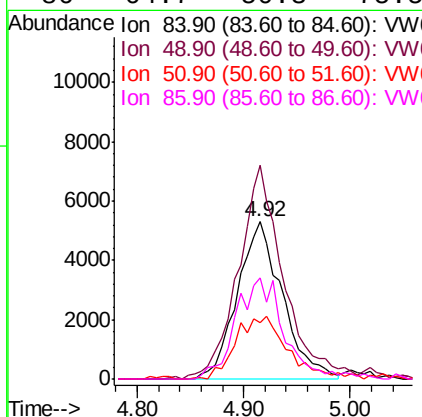
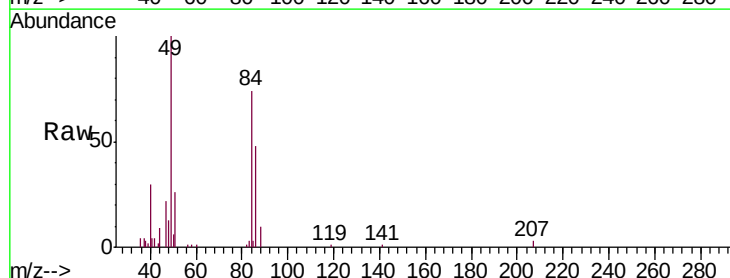
Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0

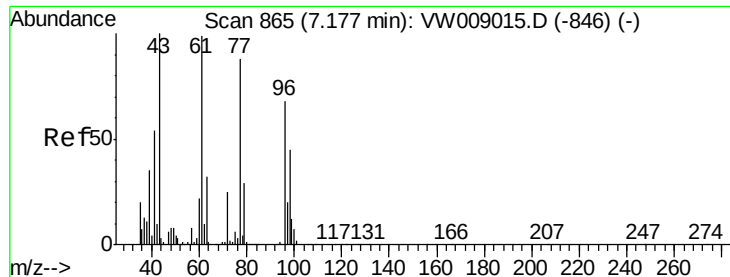
Tgt Ion: 43 Resp: 56916
Ion Ratio Lower Upper
43 100
58 25.8 21.6 32.4



#20
Methylene Chloride
Concen: 2.905 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

Tgt Ion: 84 Resp: 15736
Ion Ratio Lower Upper
84 100
49 133.3 102.8 154.2
51 35.6 32.4 48.6
86 64.7 50.3 75.5





#25

2-Butanone

Concen: 21.678 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

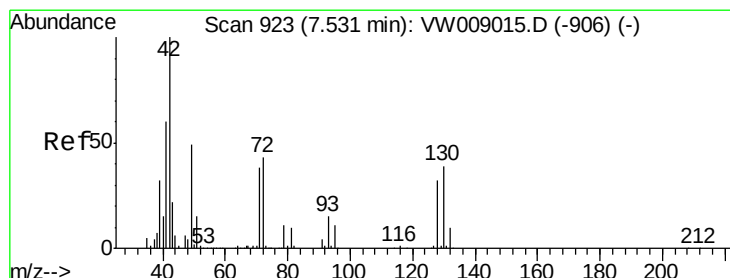
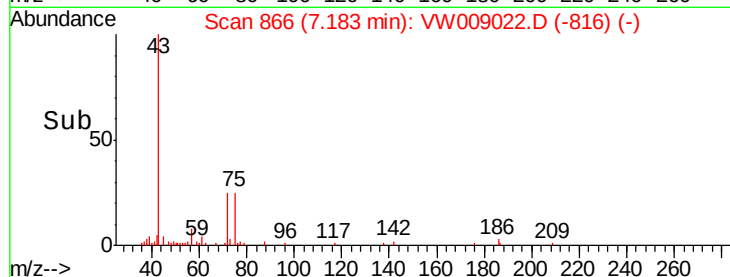
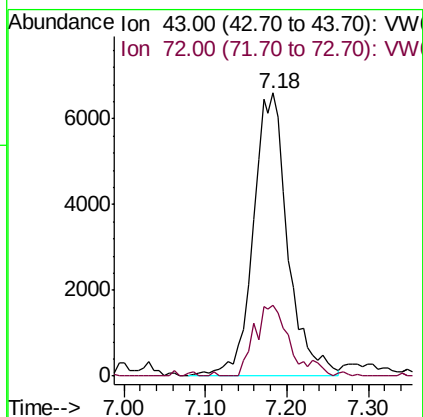
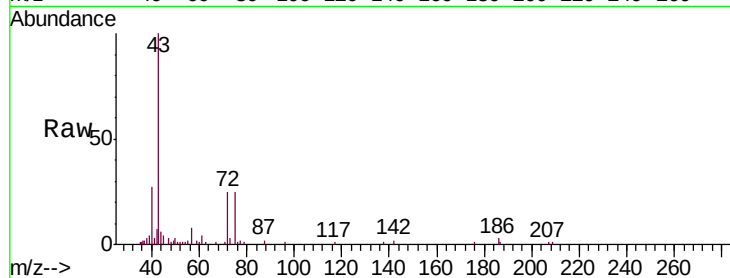
A0C12-2-1.5-2.0

Tgt Ion: 43 Resp: 19480

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2



#29

Tetrahydrofuran

Concen: 3.539 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

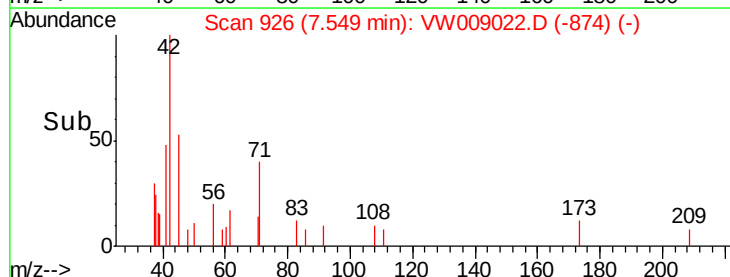
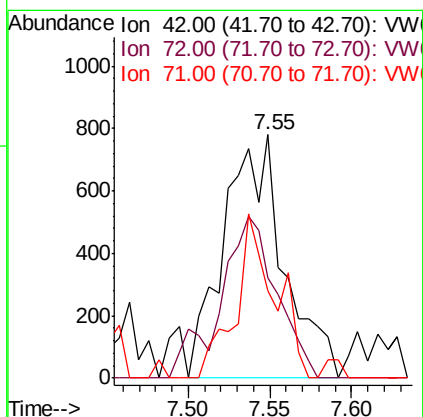
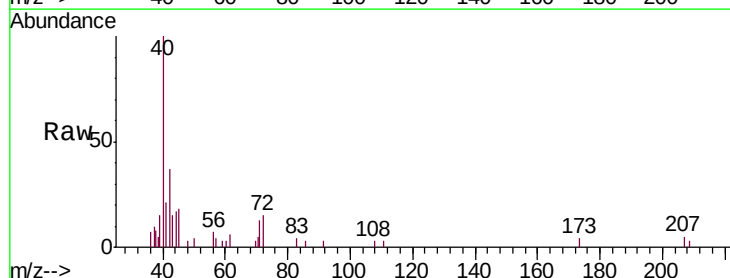
Tgt Ion: 42 Resp: 1998

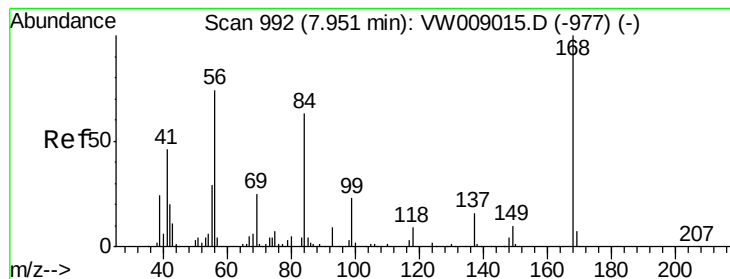
Ion Ratio Lower Upper

42 100

72 62.6 32.5 48.7#

71 44.3 31.6 47.4





#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0

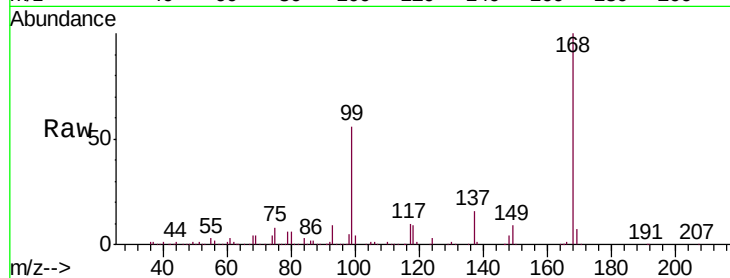
Tgt Ion: 56 Resp: 7493

Ion Ratio Lower Upper

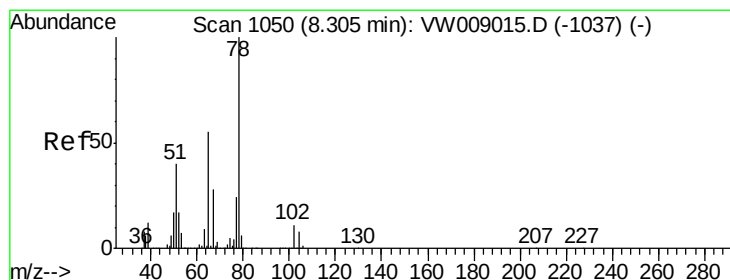
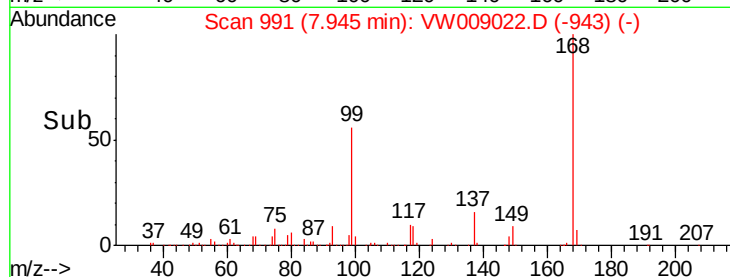
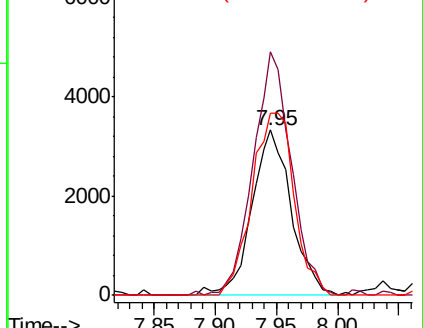
56 100

69 147.4 27.0 40.4#

84 121.5 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: 57.080 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009022.D

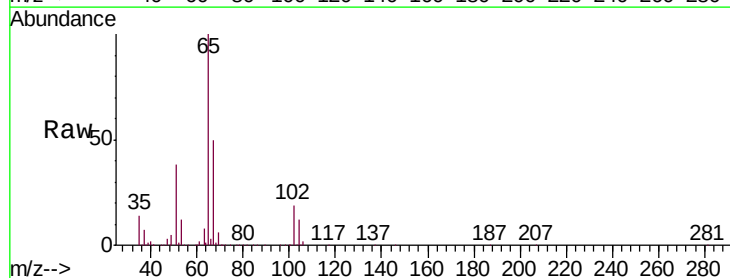
Acq: 06 Mar 2019 18:24

Tgt Ion: 65 Resp: 175547

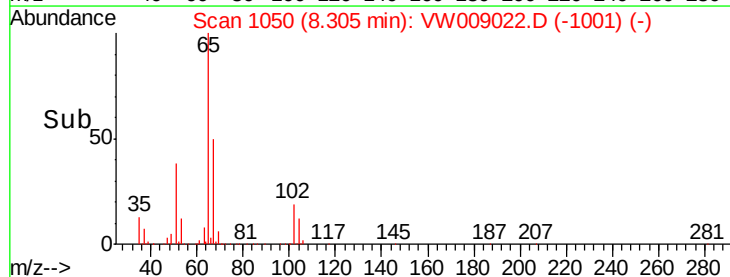
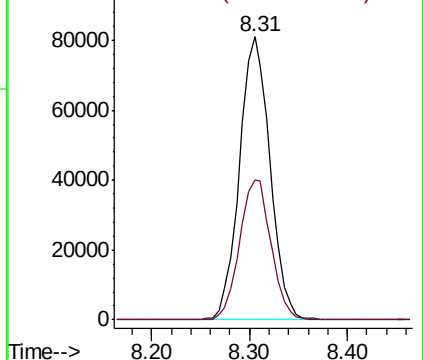
Ion Ratio Lower Upper

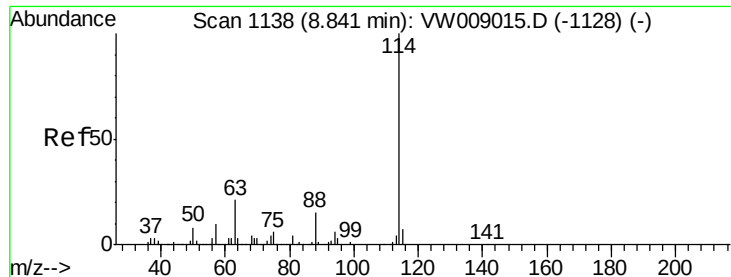
65 100

67 50.9 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: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0

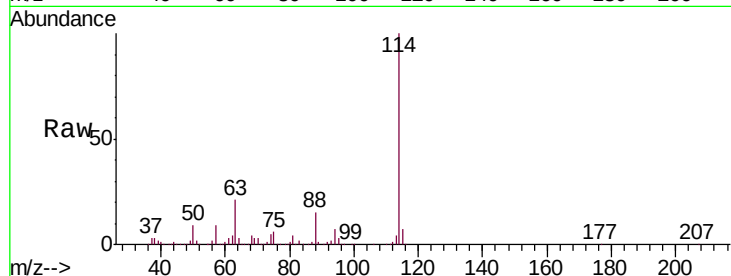
Tgt Ion:114 Resp: 470645

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

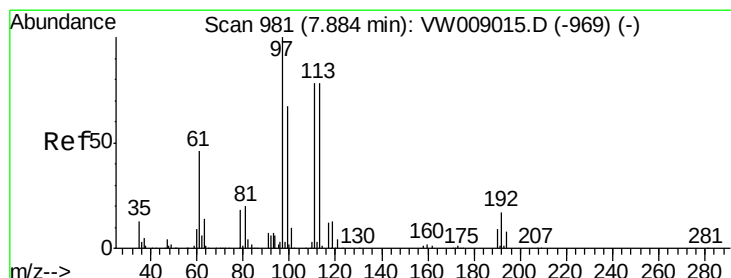
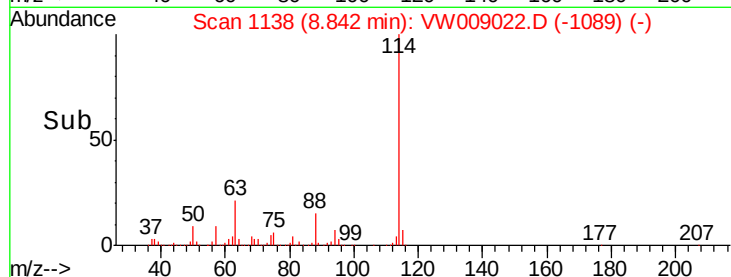
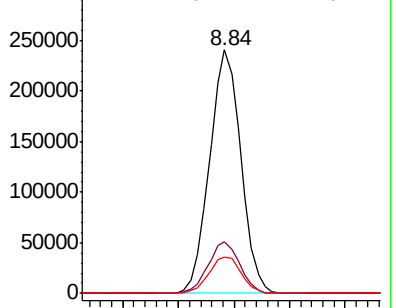
88 15.1 0.0 30.8



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: 50.329 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

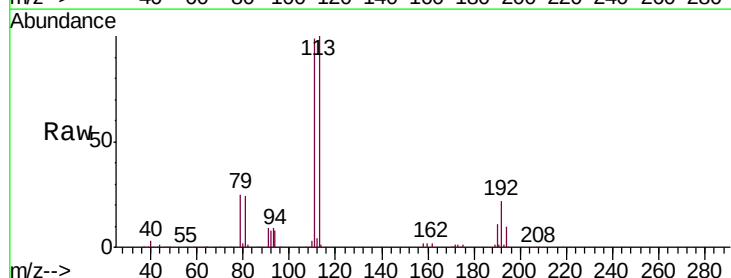
Tgt Ion:113 Resp: 142594

Ion Ratio Lower Upper

113 100

111 101.1 80.5 120.7

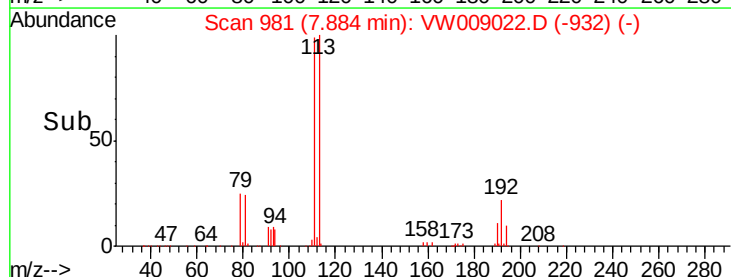
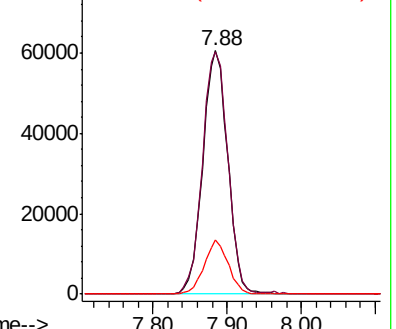
192 21.1 16.7 25.1

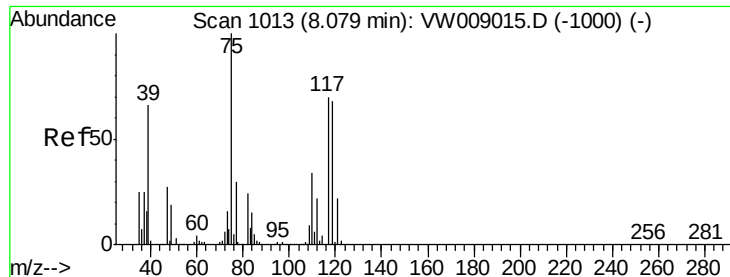


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.095 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0

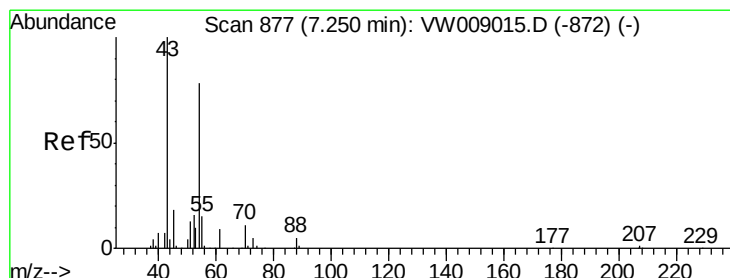
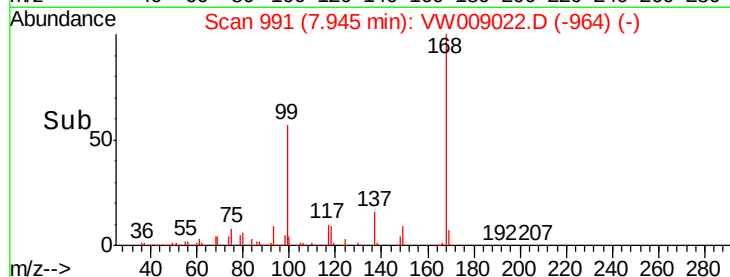
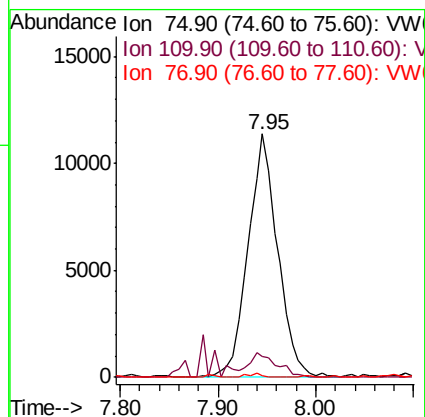
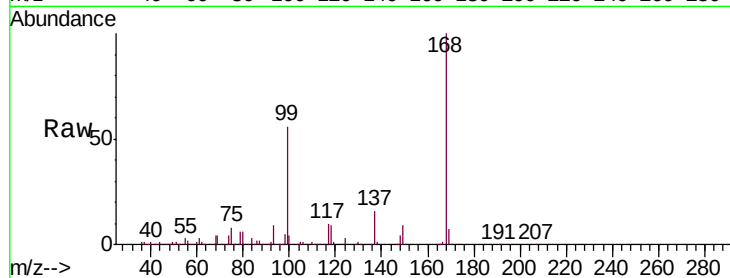
Tgt Ion: 75 Resp: 23844

Ion Ratio Lower Upper

75 100

110 9.4 17.3 51.9#

77 0.7 24.8 37.2#



#37

Ethyl Acetate

Concen: 9.411 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

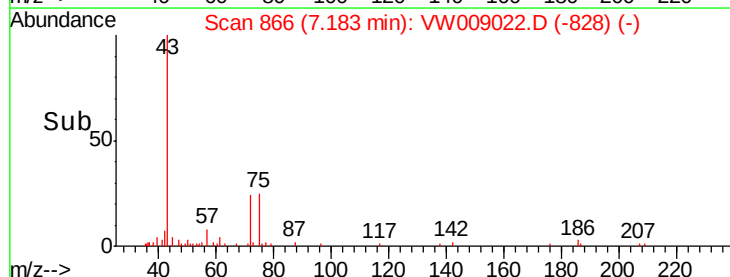
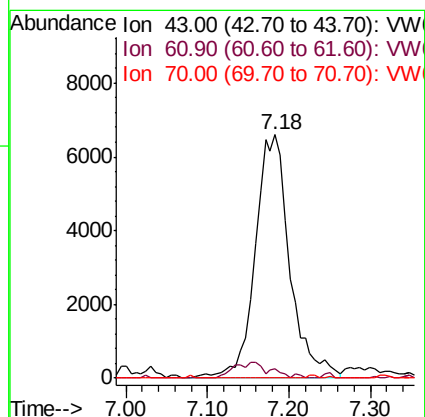
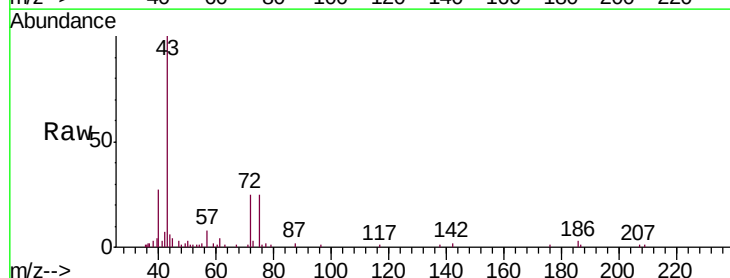
Tgt Ion: 43 Resp: 19480

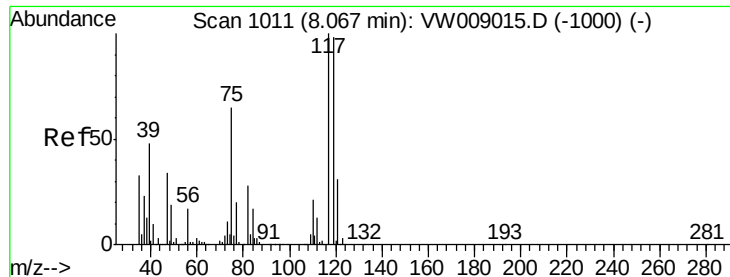
Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.8 11.8#

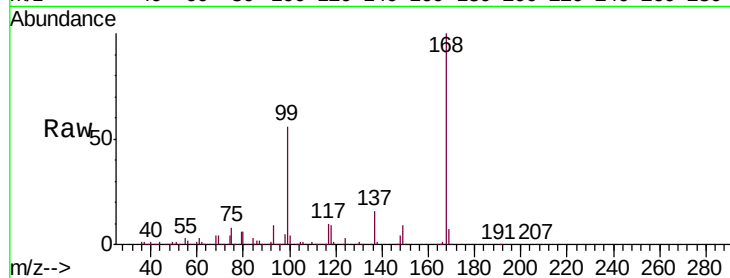




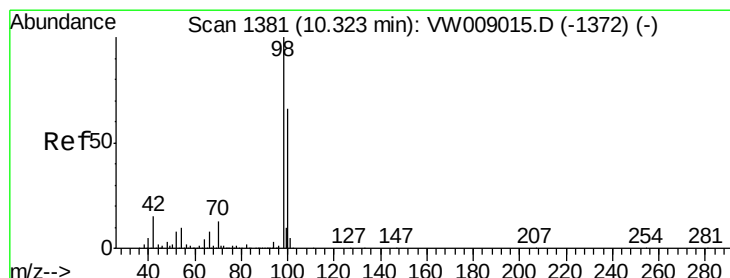
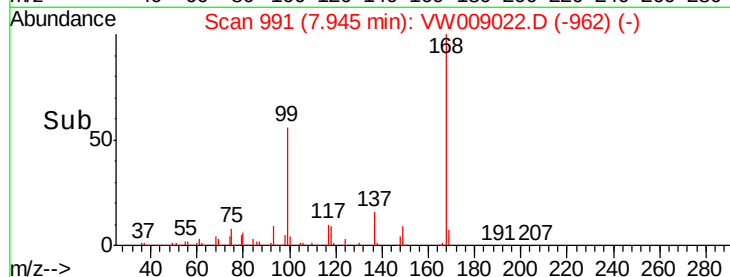
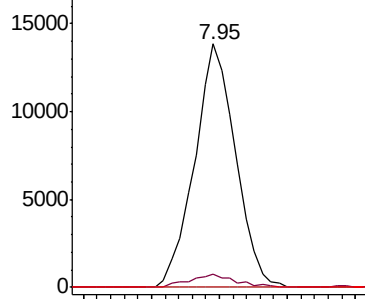
#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0

Tgt Ion:117 Resp: 29145
Ion Ratio Lower Upper
117 100
119 5.7 78.4 117.6#
121 0.0 24.7 37.1#

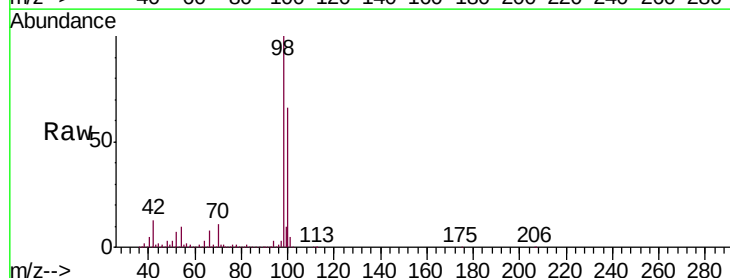


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

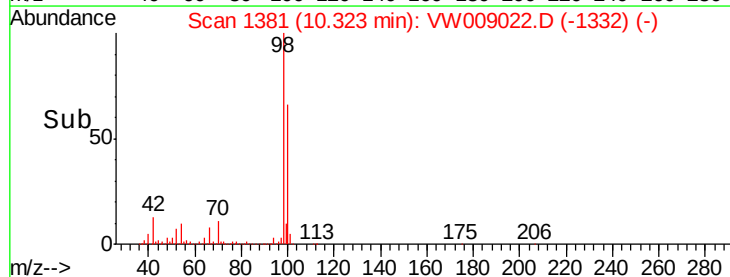
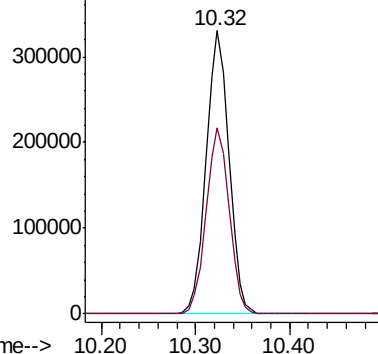


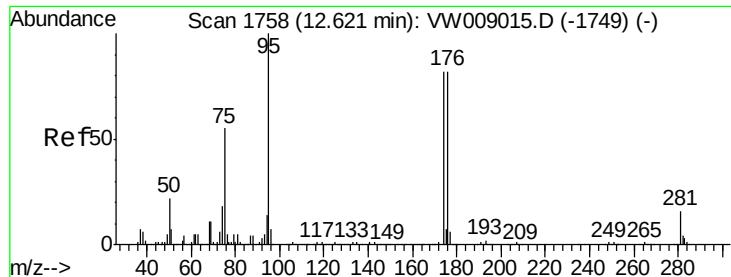
#50
Toluene-d8
Concen: 47.940 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

Tgt Ion: 98 Resp: 558168
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

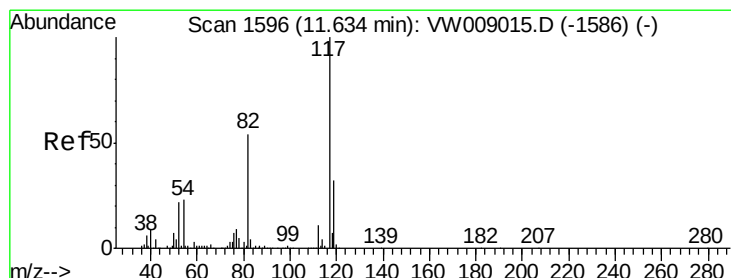
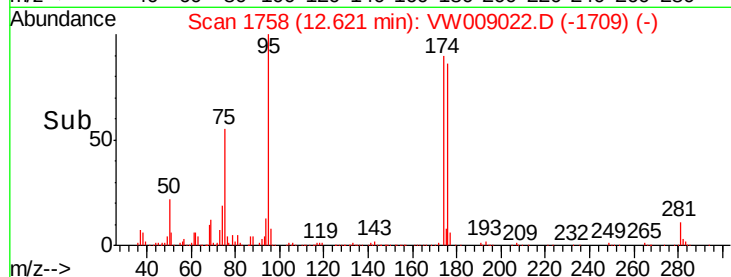
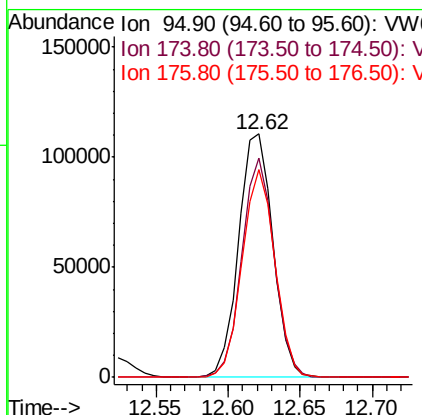
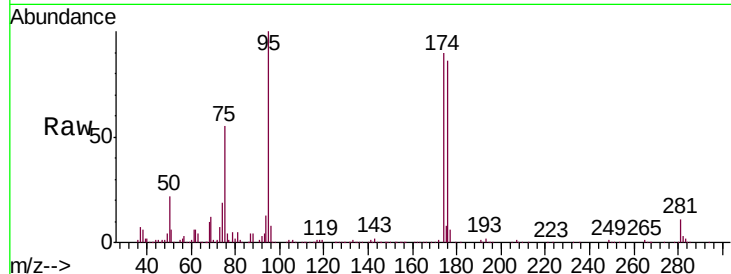




#62
4-Bromofluorobenzene
Concen: 40.626 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

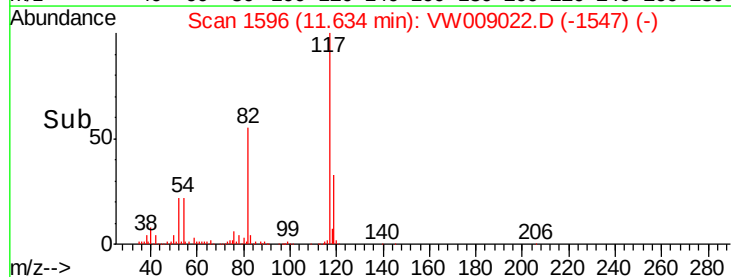
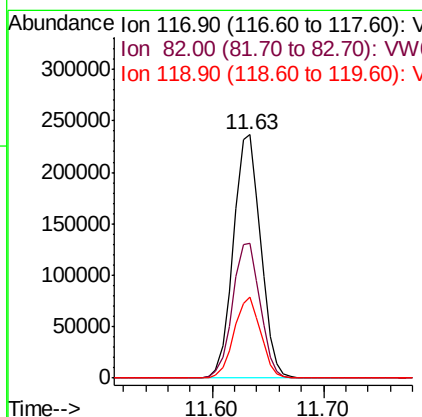
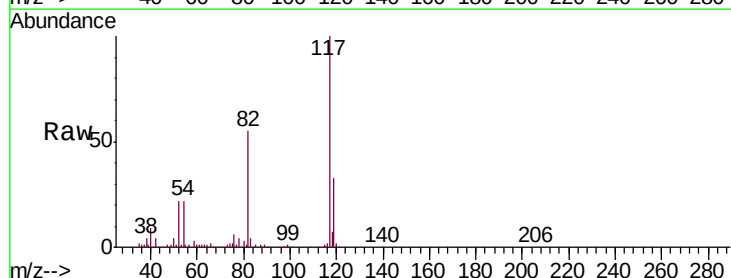
Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0

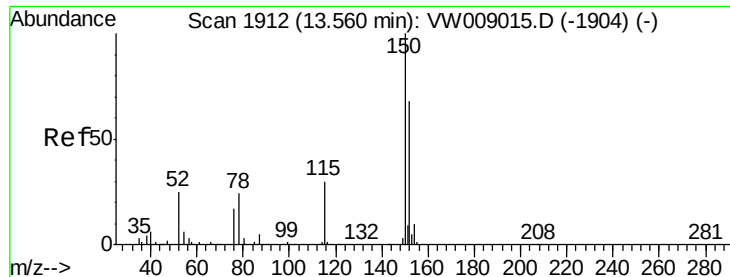
Tgt Ion: 95 Resp: 182681
Ion Ratio Lower Upper
95 100
174 84.7 0.0 165.8
176 81.3 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009022.D
Acq: 06 Mar 2019 18:24

Tgt Ion: 117 Resp: 401835
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.2
119 33.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0

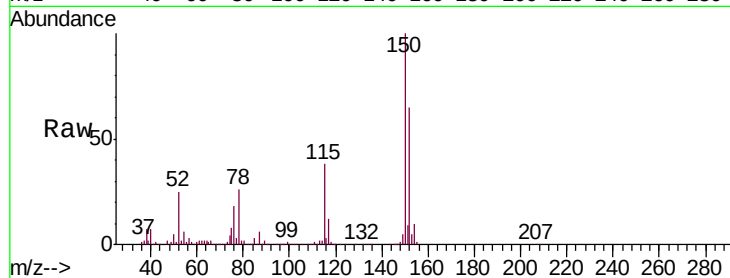
Tgt Ion:152 Resp: 172625

Ion Ratio Lower Upper

152 100

115 58.2 29.3 87.8

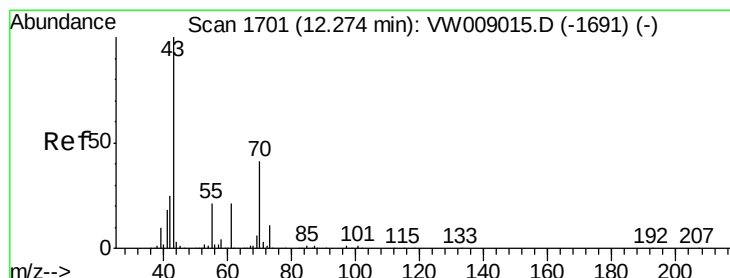
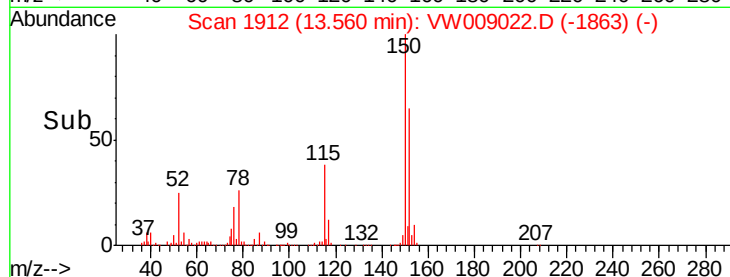
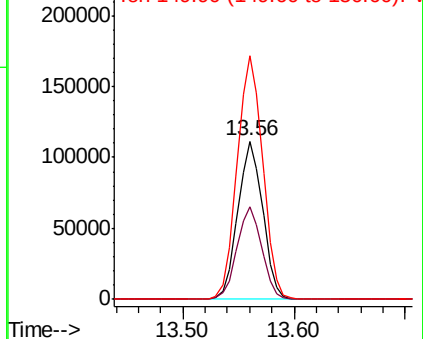
150 158.1 0.0 348.6



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: 4.405 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW009022.D

Acq: 06 Mar 2019 18:24

Tgt Ion: 43 Resp: 648

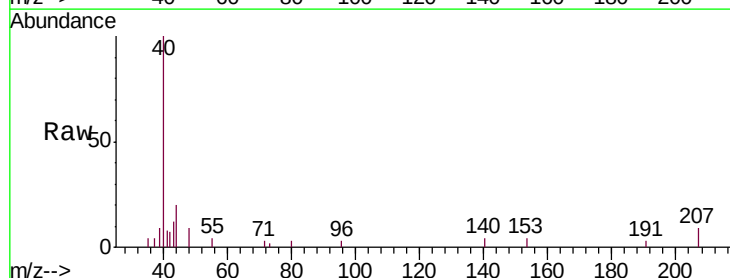
Ion Ratio Lower Upper

43 100

70 22.4 31.2 46.8#

55 0.0 18.0 27.0#

61 3.5 17.3 25.9#

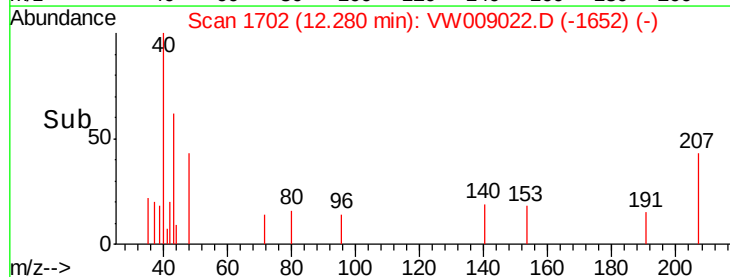
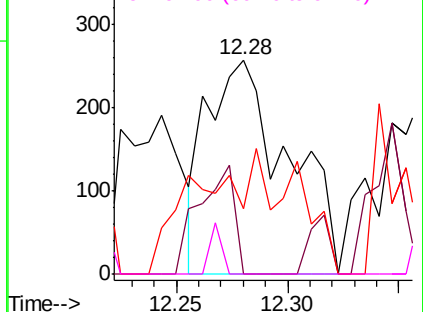


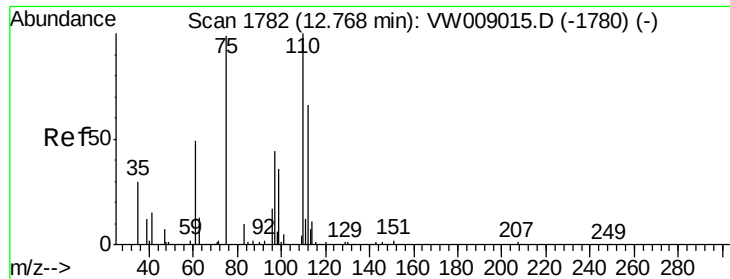
Abundance Ion 43.00 (42.70 to 43.70): VW

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

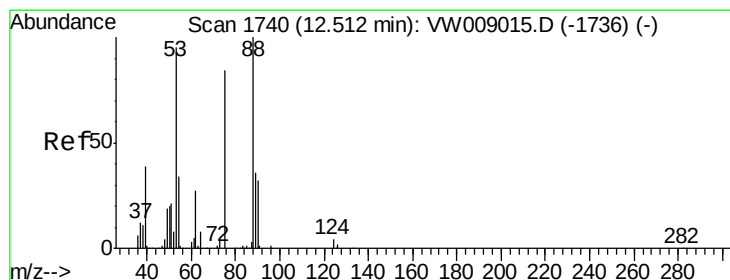
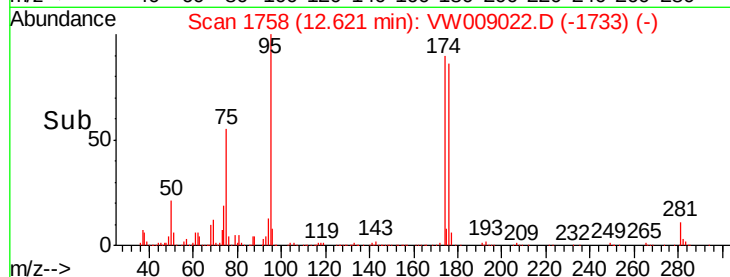
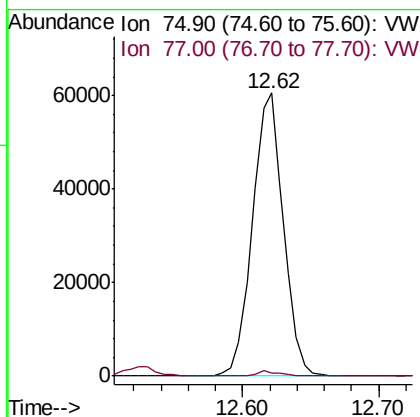
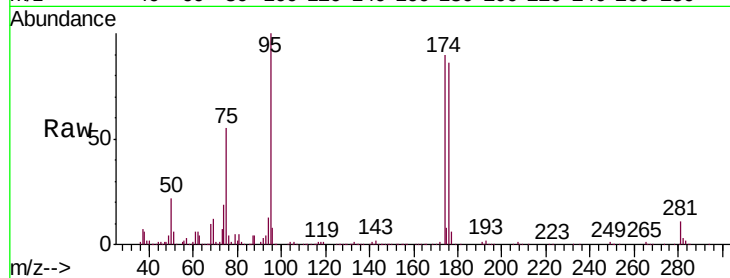




#76
 1,2,3-Trichloropropane
 Concen: 70.509 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009022.D
 Acq: 06 Mar 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0

Tgt Ion: 75 Resp: 96467
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.940 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009022.D
 Acq: 06 Mar 2019 18:24

Tgt Ion: 75 Resp: 96467
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.2 36.3 54.5#

