

Data File : VW010649.D
Acq On : 31 May 2019 20:59
Operator : SY/VA
Sample : K3109-02RE
Misc : 4.06G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006RE

Quant Time: Jun 01 04:55:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	185266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	56411	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.88	113	19275	17.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.30%	
50) Toluene-d8	10.32	98	224497	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.62	95	88128	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

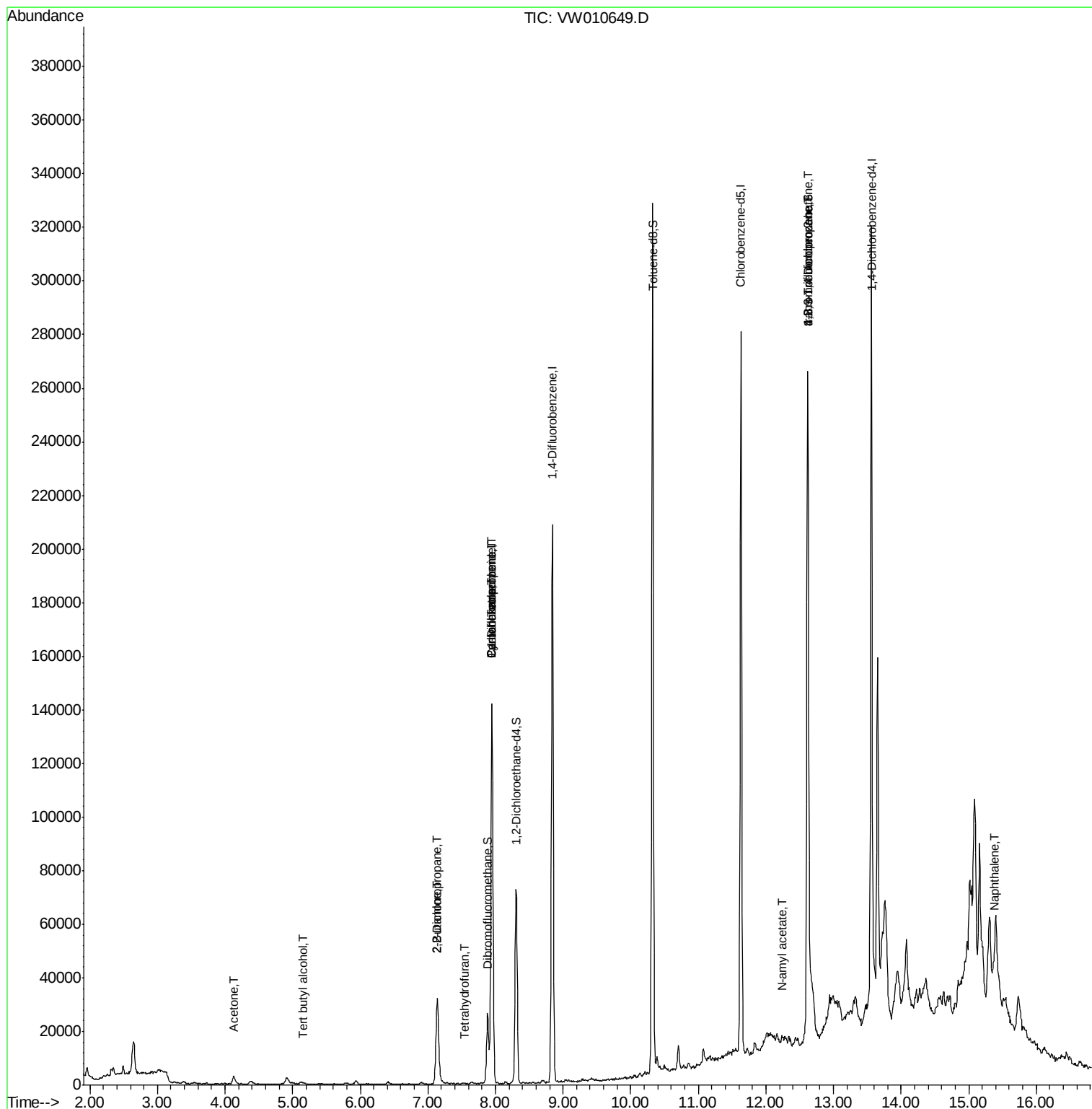
						Qvalue
2) Dichlorodifluoromethane	2.00	85	160	Below Cal	#	42
11) Tert butyl alcohol	5.15	59	569	5.611	ug/l #	71
16) Acetone	4.12	43	5546	24.102	ug/l	91
20) Methylene Chloride	4.92	84	1946	Below Cal	#	94
25) 2-Butanone	7.14	43	1244	3.778	ug/l #	68
26) 2,2-Dichloropropane	7.13	77	2255	1.159	ug/l #	52
29) Tetrahydrofuran	7.55	42	325	1.459	ug/l #	43
31) Cyclohexane	7.95	56	2153	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7909	4.583	ug/l #	48
38) Carbon Tetrachloride	7.95	117	11068	5.945	ug/l #	16
74) N-amyl acetate	12.23	43	1698	1.210	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	39335	50.229	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	39335	104.828	ug/l #	15
95) Naphthalene	15.37	128	7587	2.169	ug/l #	93

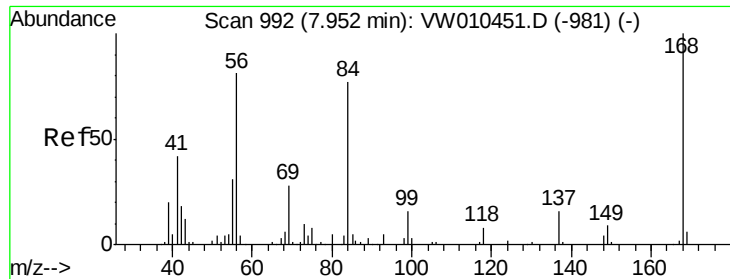
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

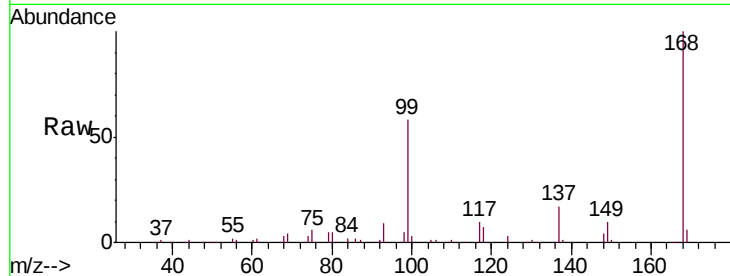
FK-0D015-03-006RE

Tgt Ion:168 Resp: 109216

Ion Ratio Lower Upper

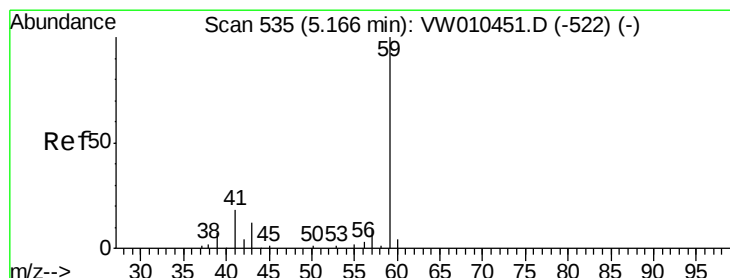
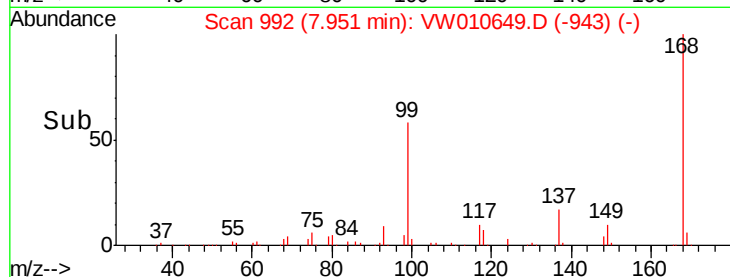
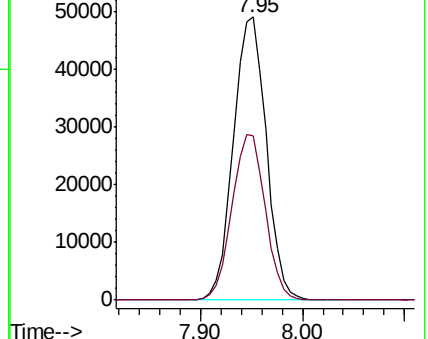
168 100

99 58.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.611 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010649.D

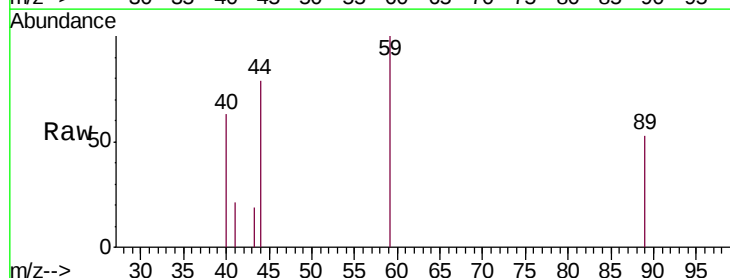
Acq: 31 May 2019 20:59

Tgt Ion: 59 Resp: 569

Ion Ratio Lower Upper

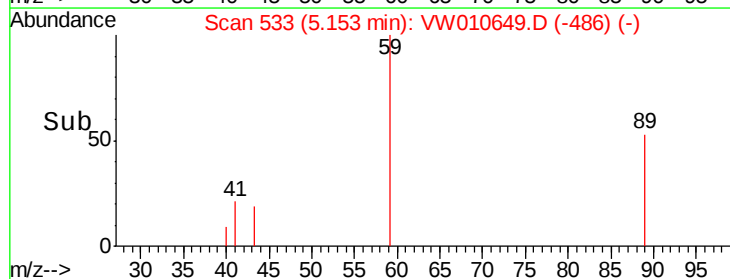
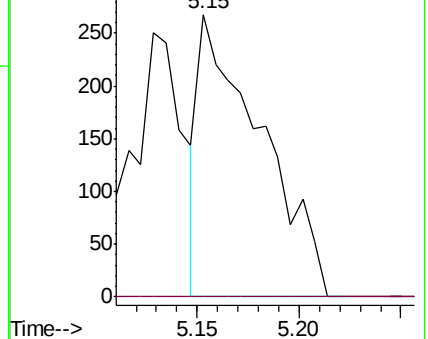
59 100

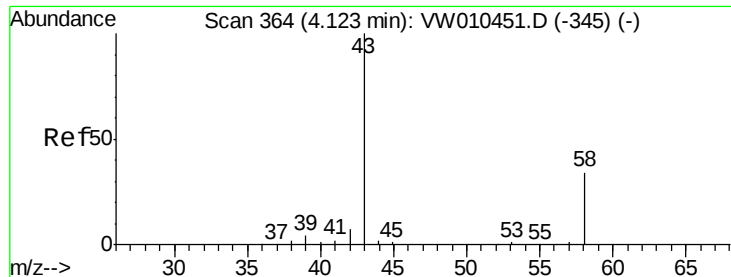
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

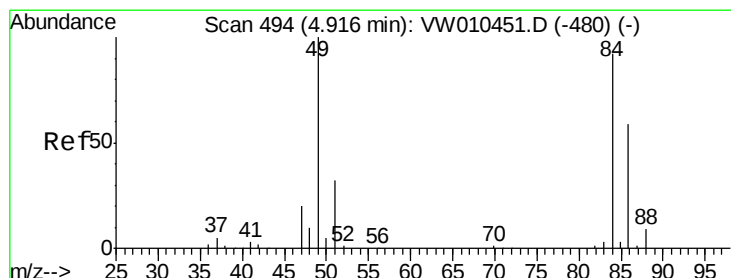
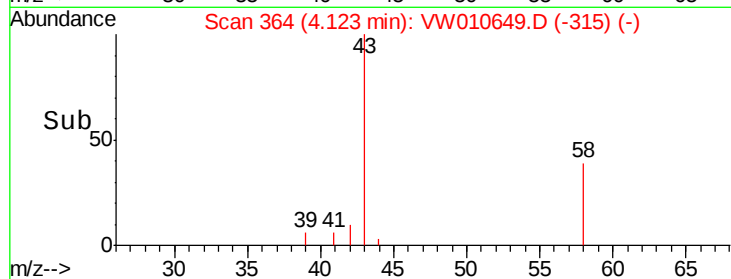
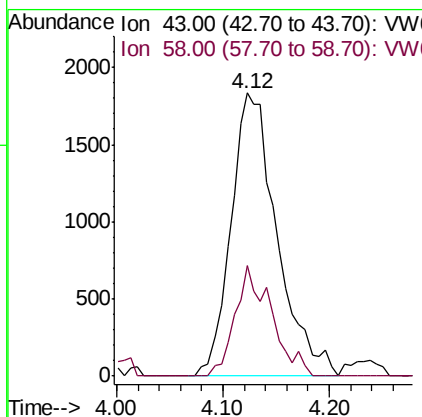
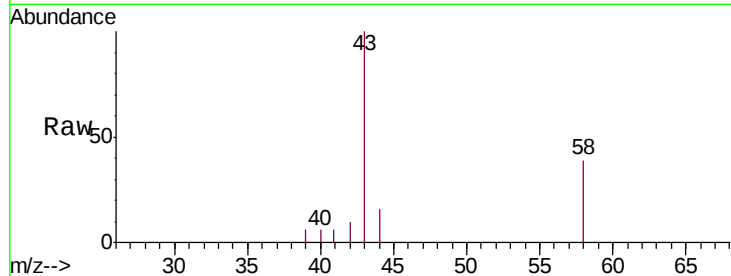




#16
Acetone
Concen: 24.102 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

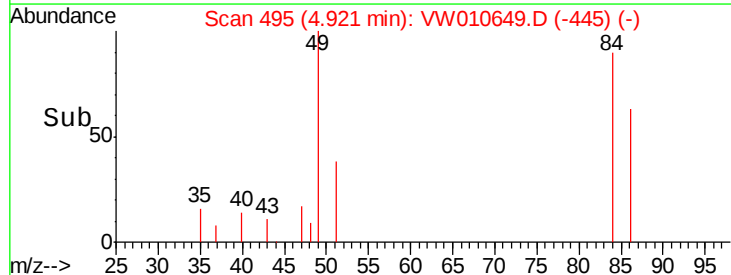
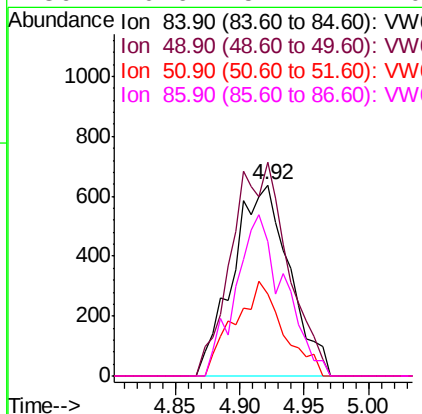
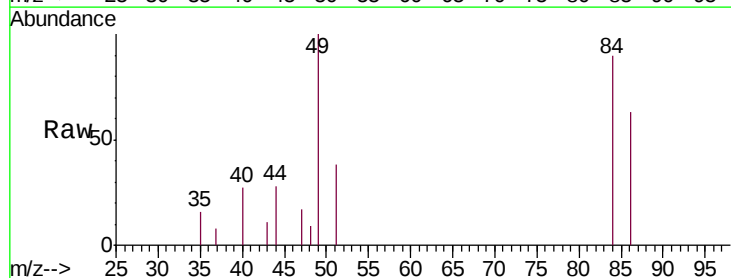
Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006RE

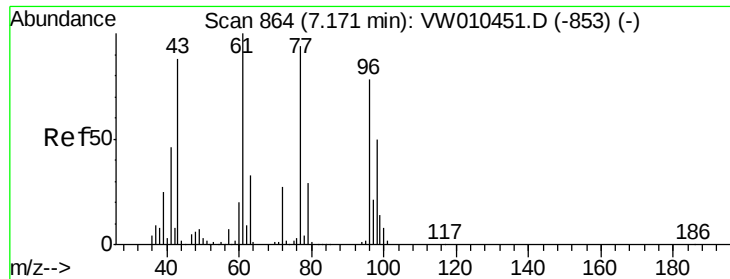
Tgt Ion: 43 Resp: 5546
Ion Ratio Lower Upper
43 100
58 39.0 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

Tgt Ion: 84 Resp: 1946
Ion Ratio Lower Upper
84 100
49 111.6 87.2 130.8
51 42.7 27.7 41.5#
86 70.6 51.4 77.0





#25

2-Butanone

Concen: 3.778 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

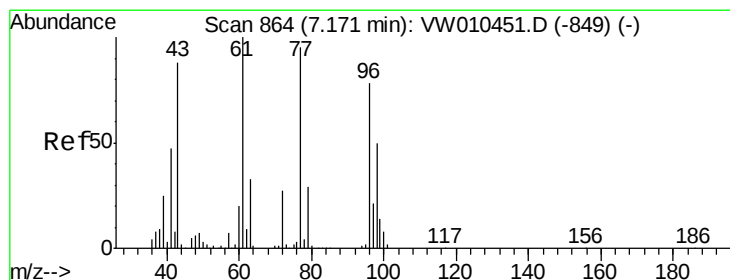
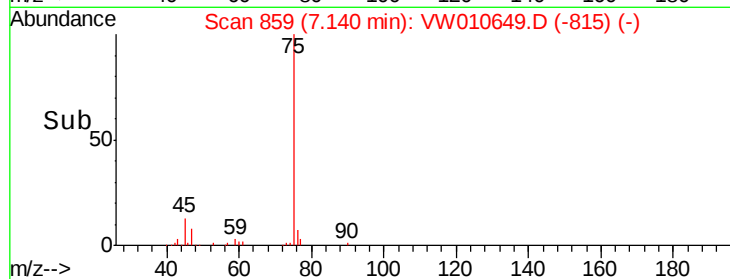
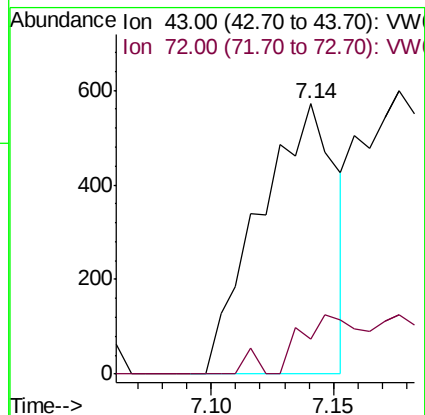
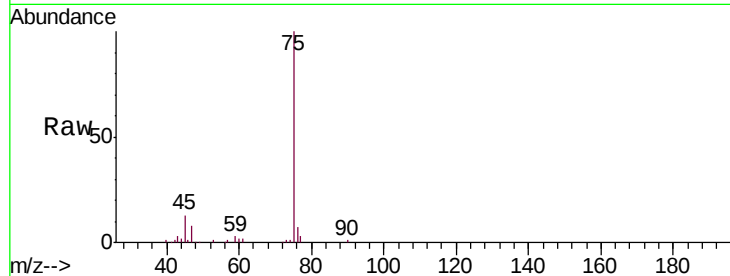
FK-0D015-03-006RE

Tgt Ion: 43 Resp: 1244

Ion Ratio Lower Upper

43 100

72 13.0 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010649.D

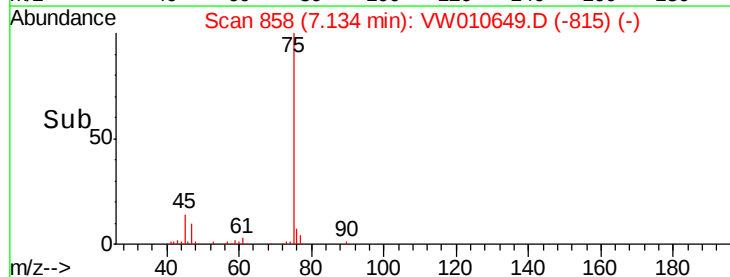
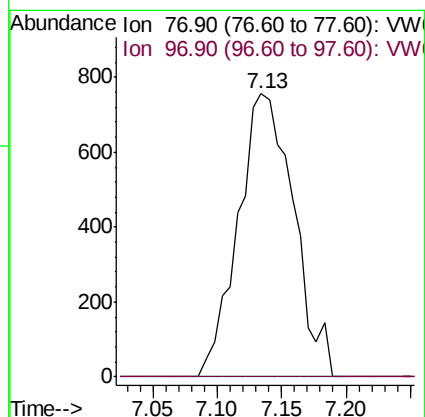
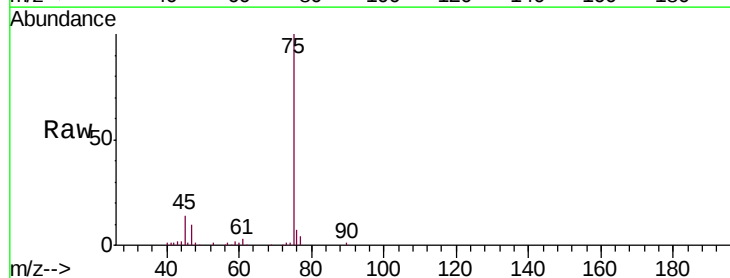
Acq: 31 May 2019 20:59

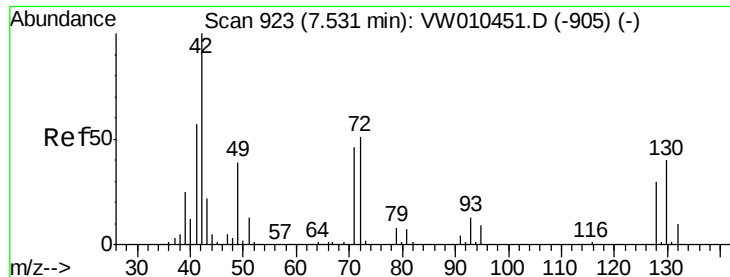
Tgt Ion: 77 Resp: 2255

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

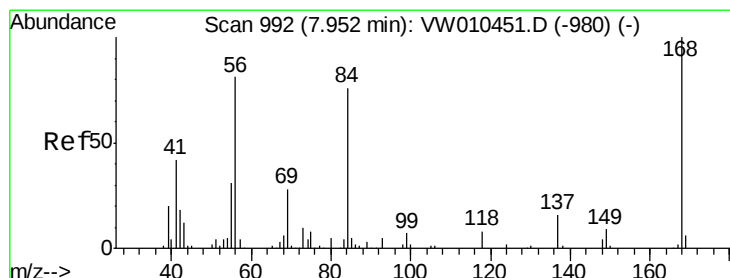
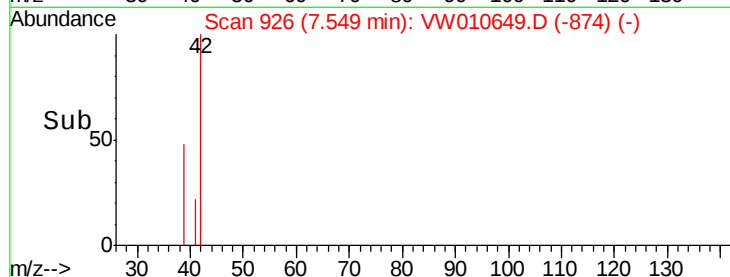
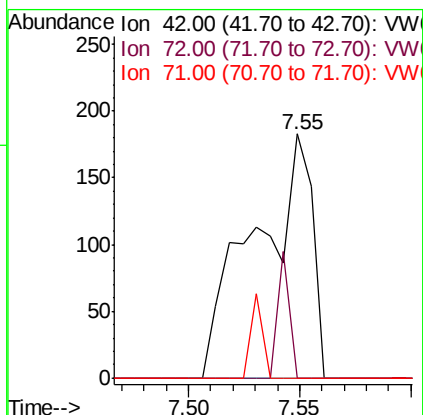
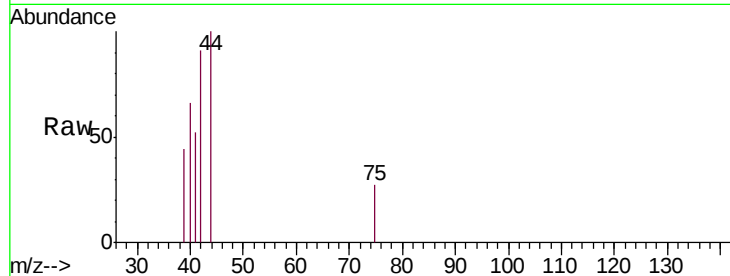




#29
Tetrahydrofuran
Concen: 1.459 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

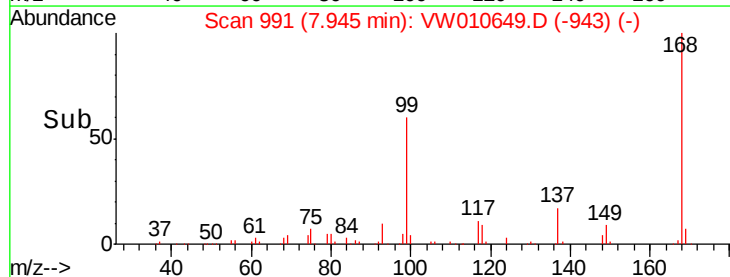
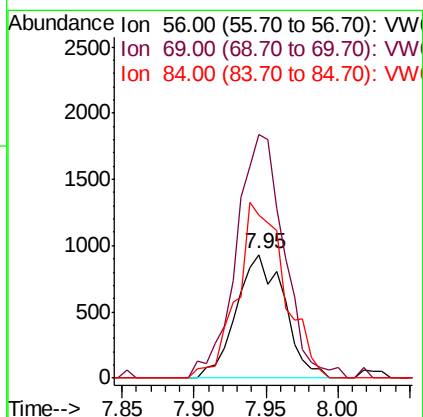
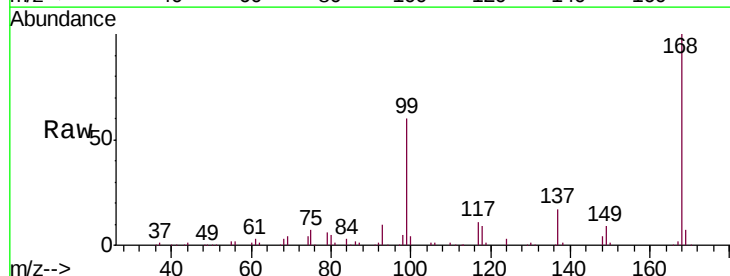
Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006RE

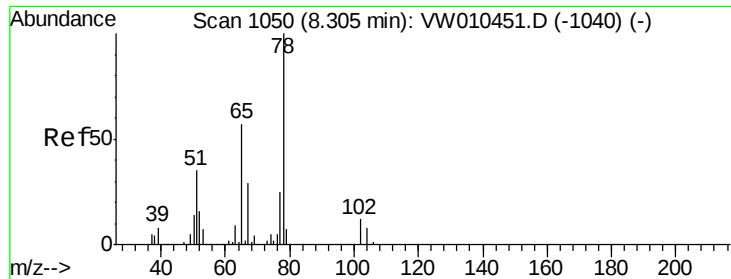
Tgt Ion: 42 Resp: 325
Ion Ratio Lower Upper
42 100
72 10.8 38.5 57.7#
71 7.1 36.5 54.7#



#31
Cyclohexane
Concen: 1.006 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

Tgt Ion: 56 Resp: 2153
Ion Ratio Lower Upper
56 100
69 197.2 28.2 42.2#
84 131.8 75.8 113.8#





#33

1,2-Dichloroethane-d4

Concen: 50.041 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

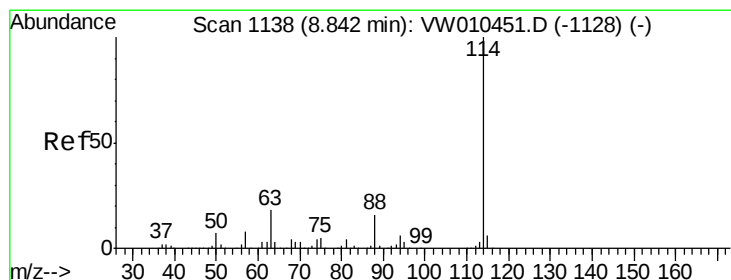
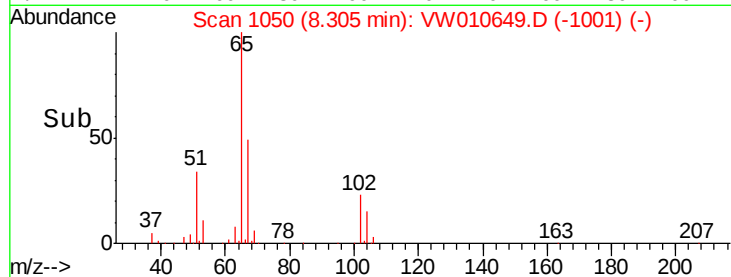
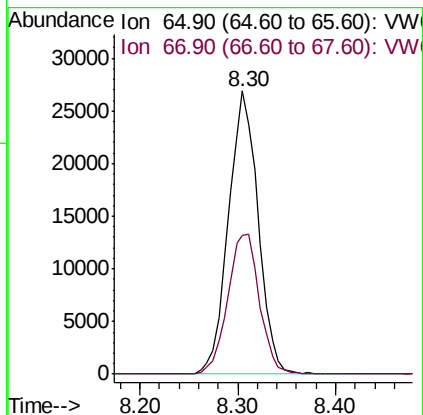
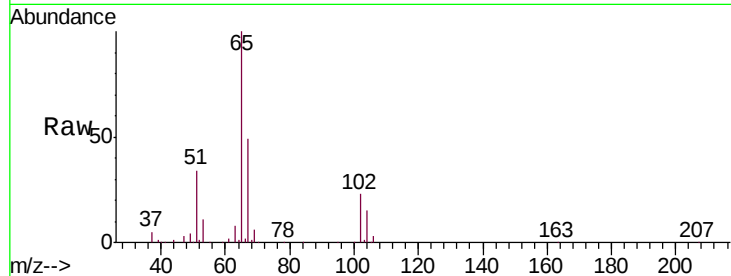
FK-0D015-03-006RE

Tgt Ion: 65 Resp: 56411

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

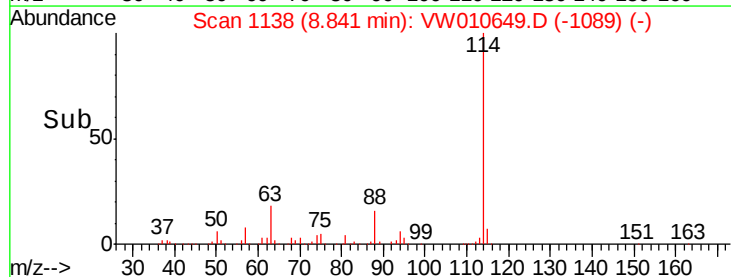
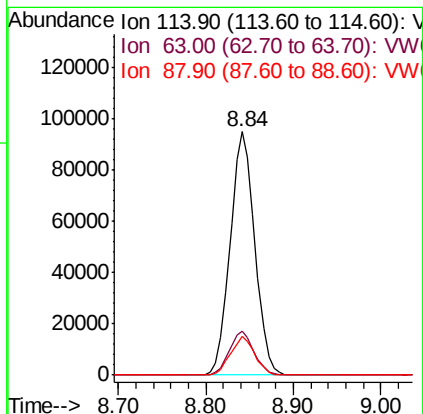
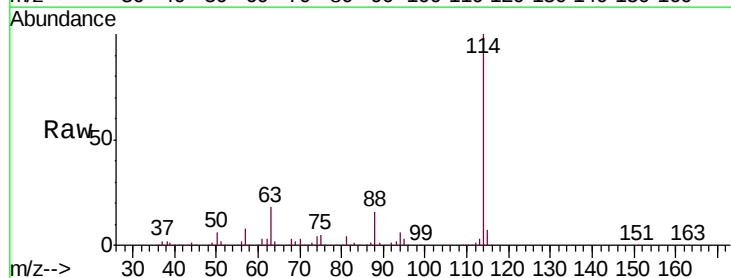
Tgt Ion: 114 Resp: 185266

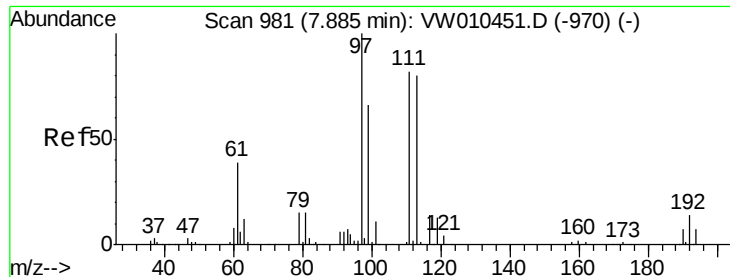
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 17.146 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006RE

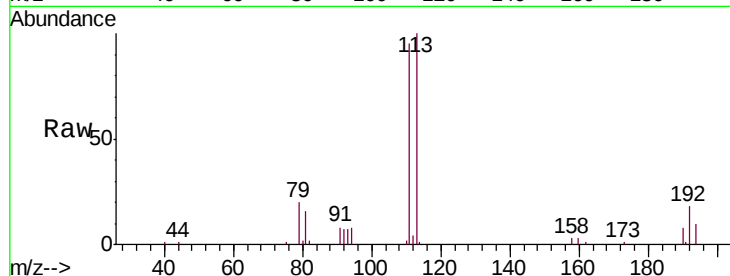
Tgt Ion:113 Resp: 19275

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

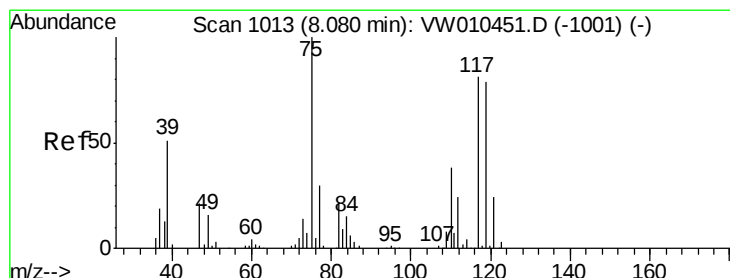
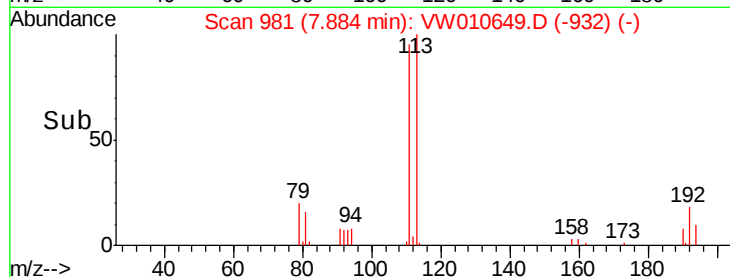
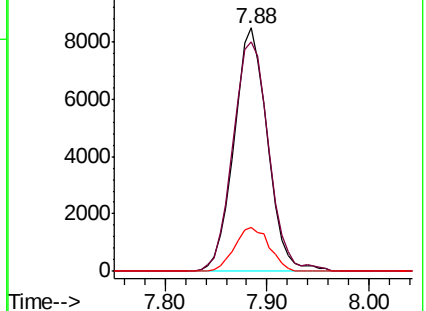
192 18.7 14.3 21.5



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: 4.583 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

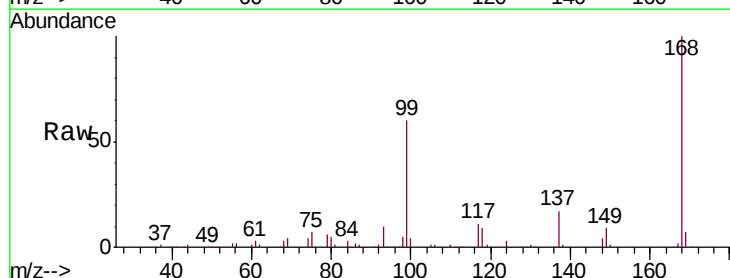
Tgt Ion: 75 Resp: 7909

Ion Ratio Lower Upper

75 100

110 9.2 19.2 57.6#

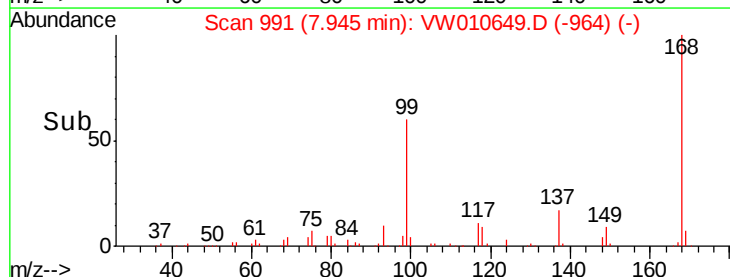
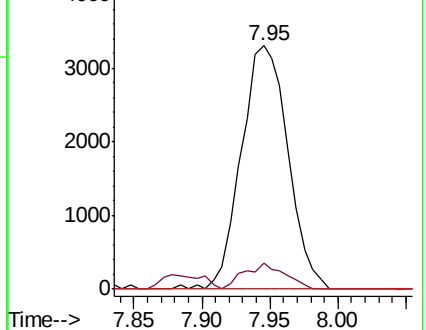
77 0.0 25.2 37.8#

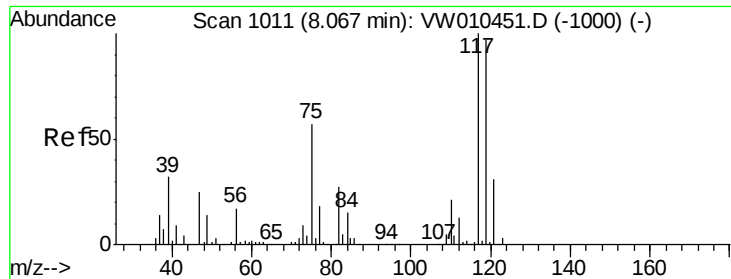


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

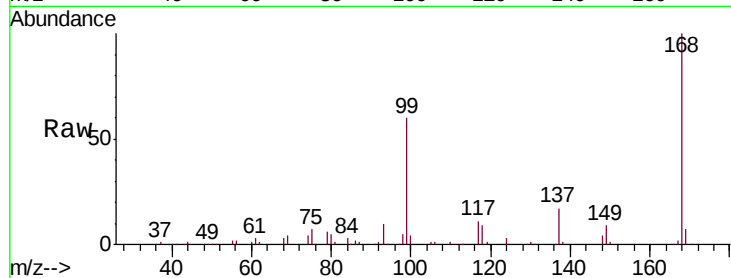




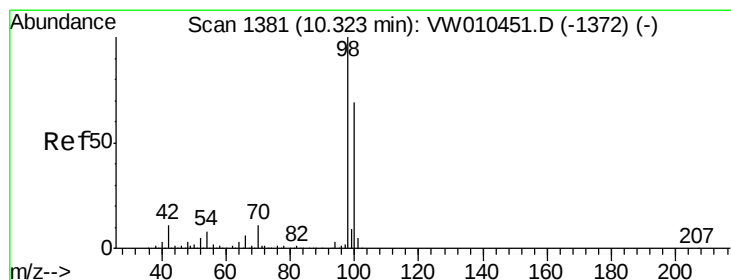
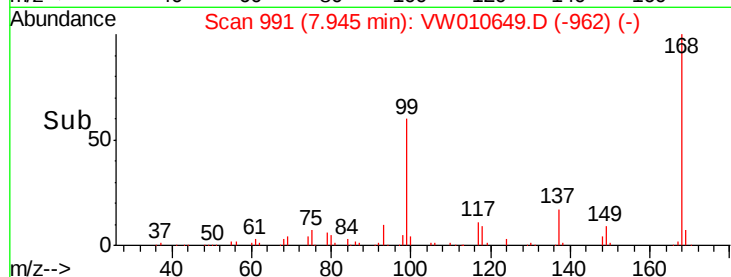
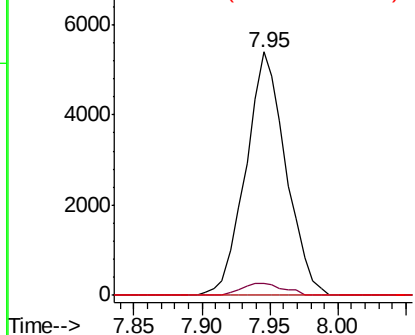
#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006RE

Tgt Ion: 117 Resp: 11068
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 25.0 37.6#

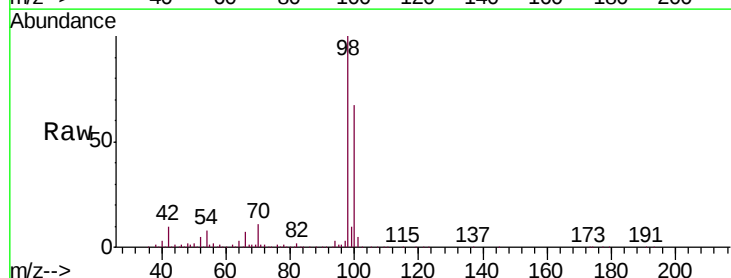


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

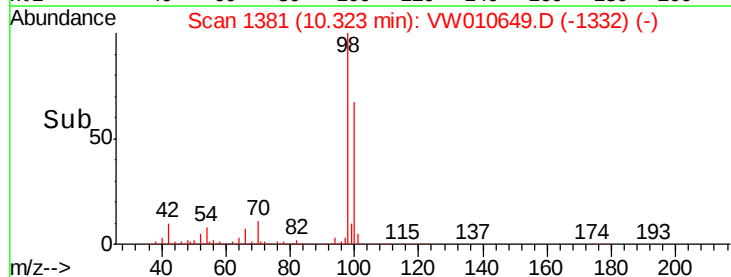
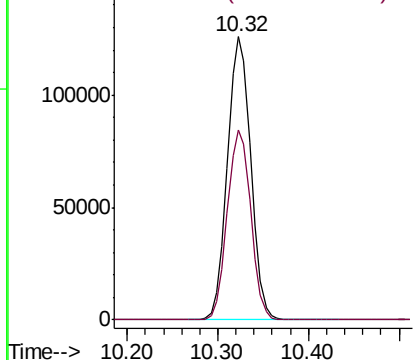


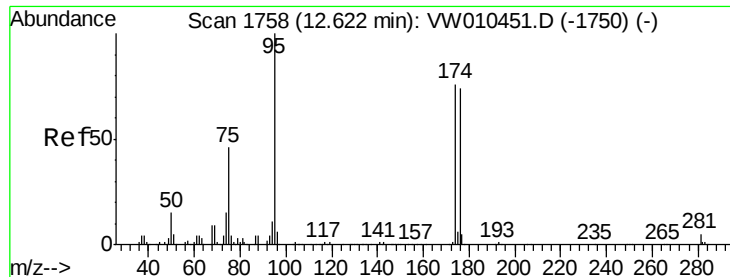
#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

Tgt Ion: 98 Resp: 224497
Ion Ratio Lower Upper
98 100
100 67.4 53.7 80.5



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





#62

4-Bromofluorobenzene

Concen: 51.519 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006RE

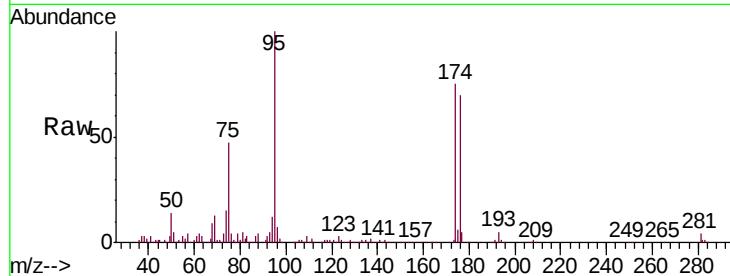
Tgt Ion: 95 Resp: 88128

Ion Ratio Lower Upper

95 100

174 70.3 0.0 148.6

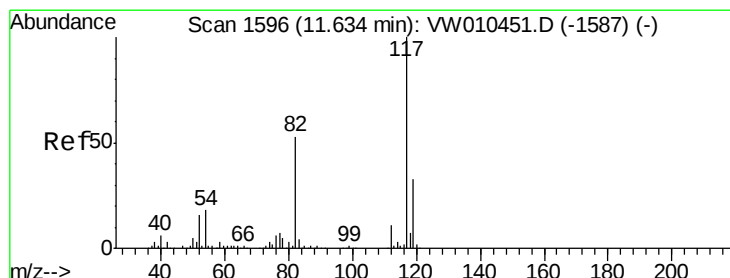
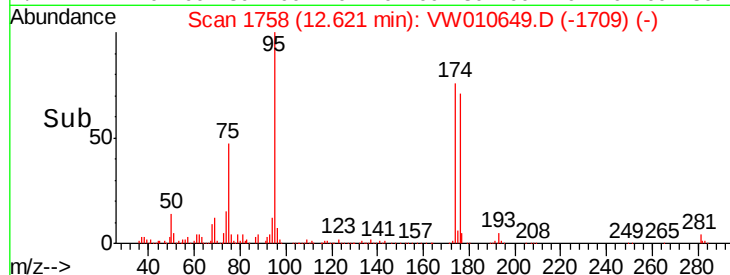
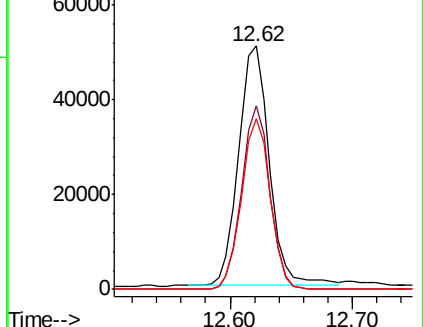
176 66.6 0.0 144.2



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: VW010649.D

Acq: 31 May 2019 20:59

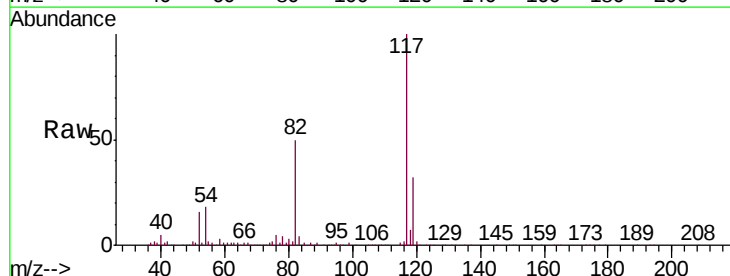
Tgt Ion: 117 Resp: 164039

Ion Ratio Lower Upper

117 100

82 49.7 42.8 64.2

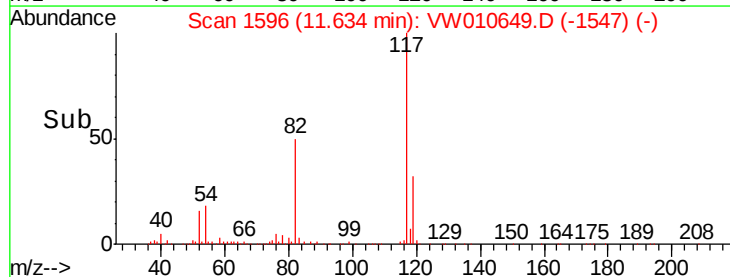
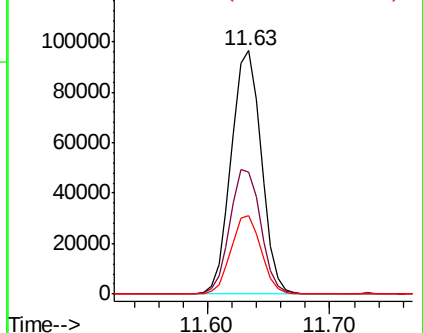
119 32.3 26.3 39.5

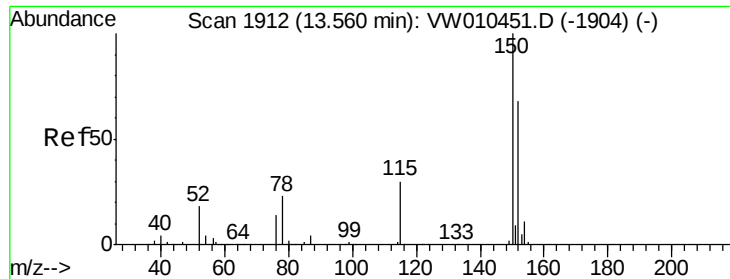


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006RE

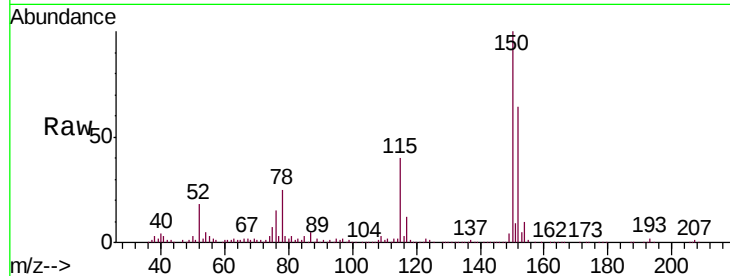
Tgt Ion:152 Resp: 77150

Ion Ratio Lower Upper

152 100

115 59.1 30.3 91.0

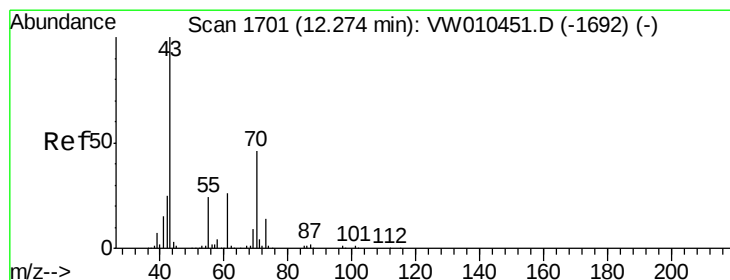
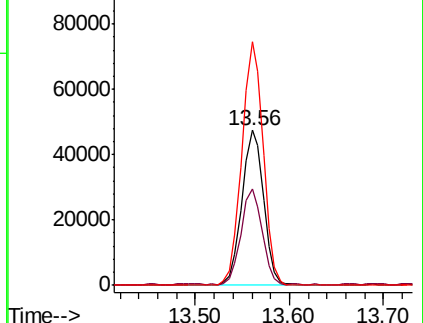
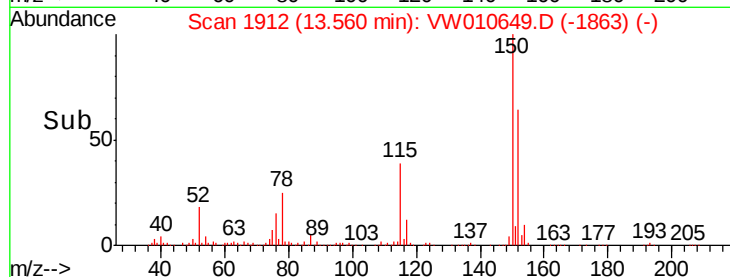
150 152.5 0.0 349.8



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: 1.210 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Tgt Ion: 43 Resp: 1698

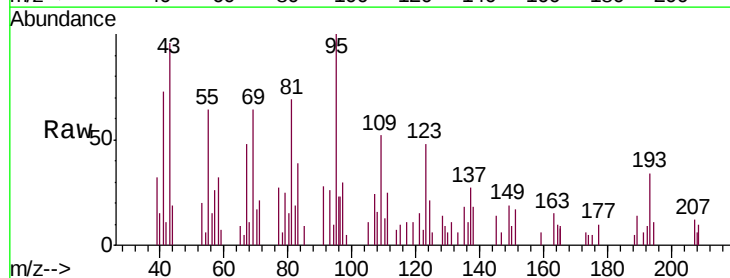
Ion Ratio Lower Upper

43 100

70 4.4 37.1 55.7#

55 16.9 19.6 29.4#

61 0.0 20.7 31.1#

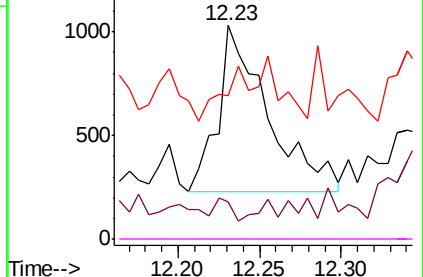
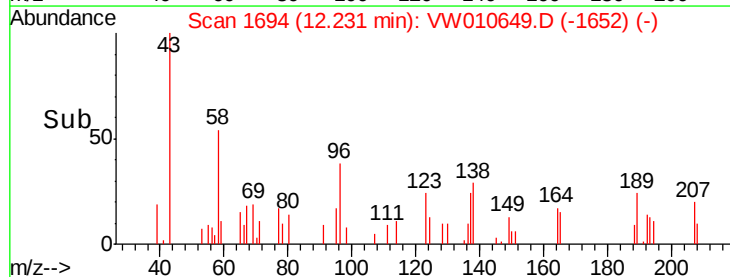


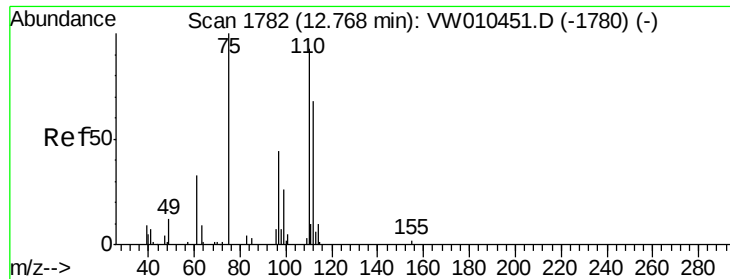
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 50.229 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

Instrument :

MSVOA_W

ClientSampleId :

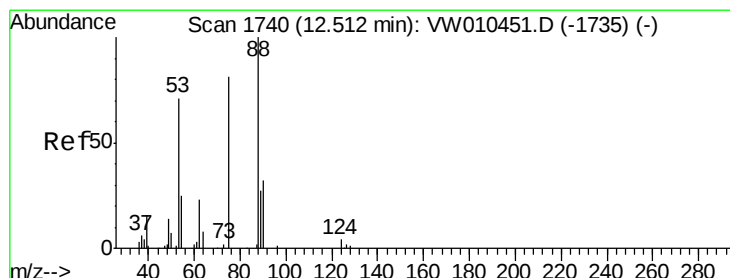
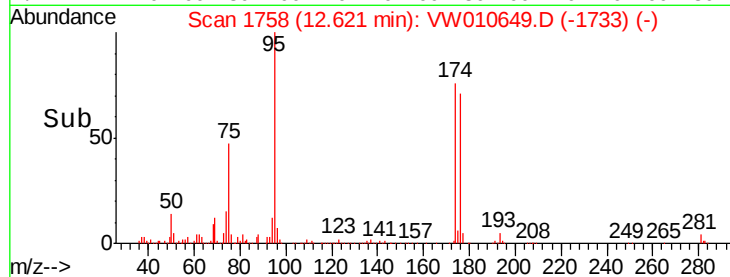
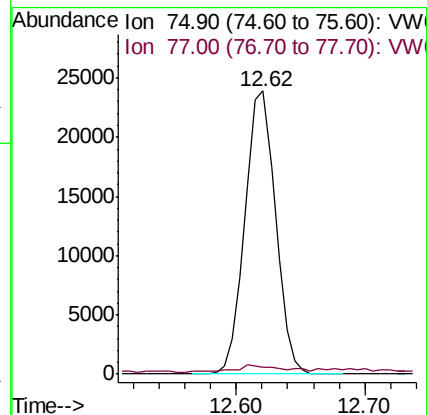
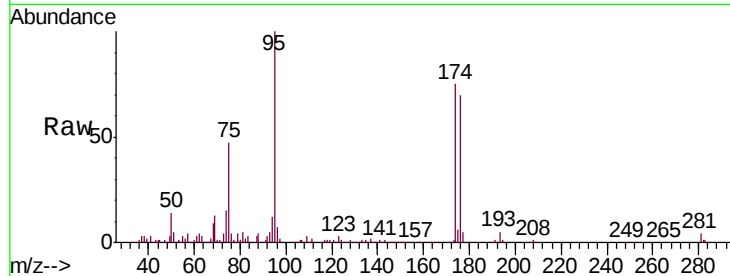
FK-0D015-03-006RE

Tgt Ion: 75 Resp: 39335

Ion Ratio Lower Upper

75 100

77 3.9 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.828 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010649.D

Acq: 31 May 2019 20:59

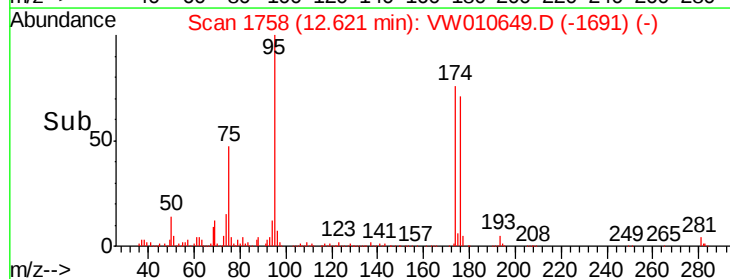
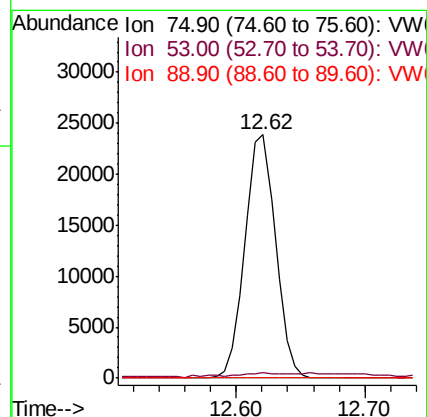
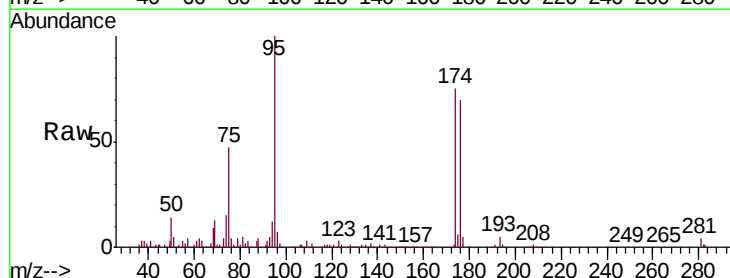
Tgt Ion: 75 Resp: 39335

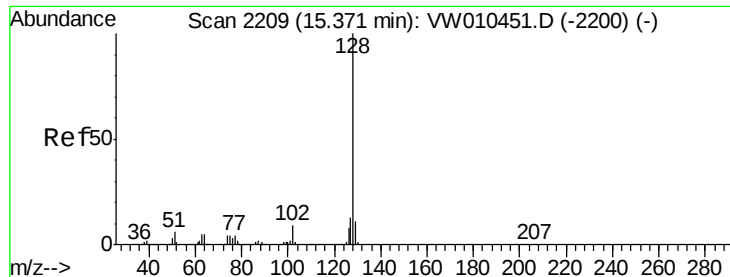
Ion Ratio Lower Upper

75 100

53 1.2 69.8 104.8#

89 0.1 39.5 59.3#

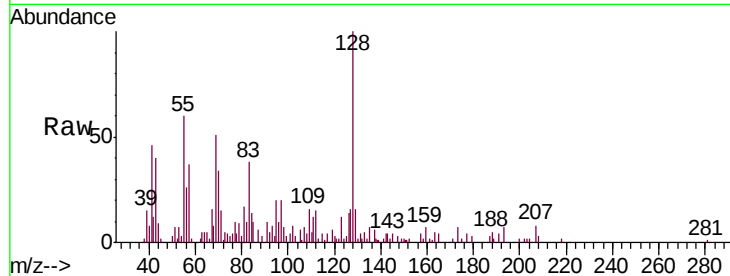




#95
Naphthalene
Concen: 2.169 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010649.D
Acq: 31 May 2019 20:59

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.6	15.8#
129	10.1	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

