

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011064.D
 Acq On : 28 Jun 2019 16:28
 Operator : SY/VA
 Sample : K3584-02
 Misc : 3.95G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-0D015-03-009

Quant Time: Jun 29 01:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135731	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.88	113	58379	28.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.08%	
50) Toluene-d8	10.32	98	414815	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	135971	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	

Target Compounds

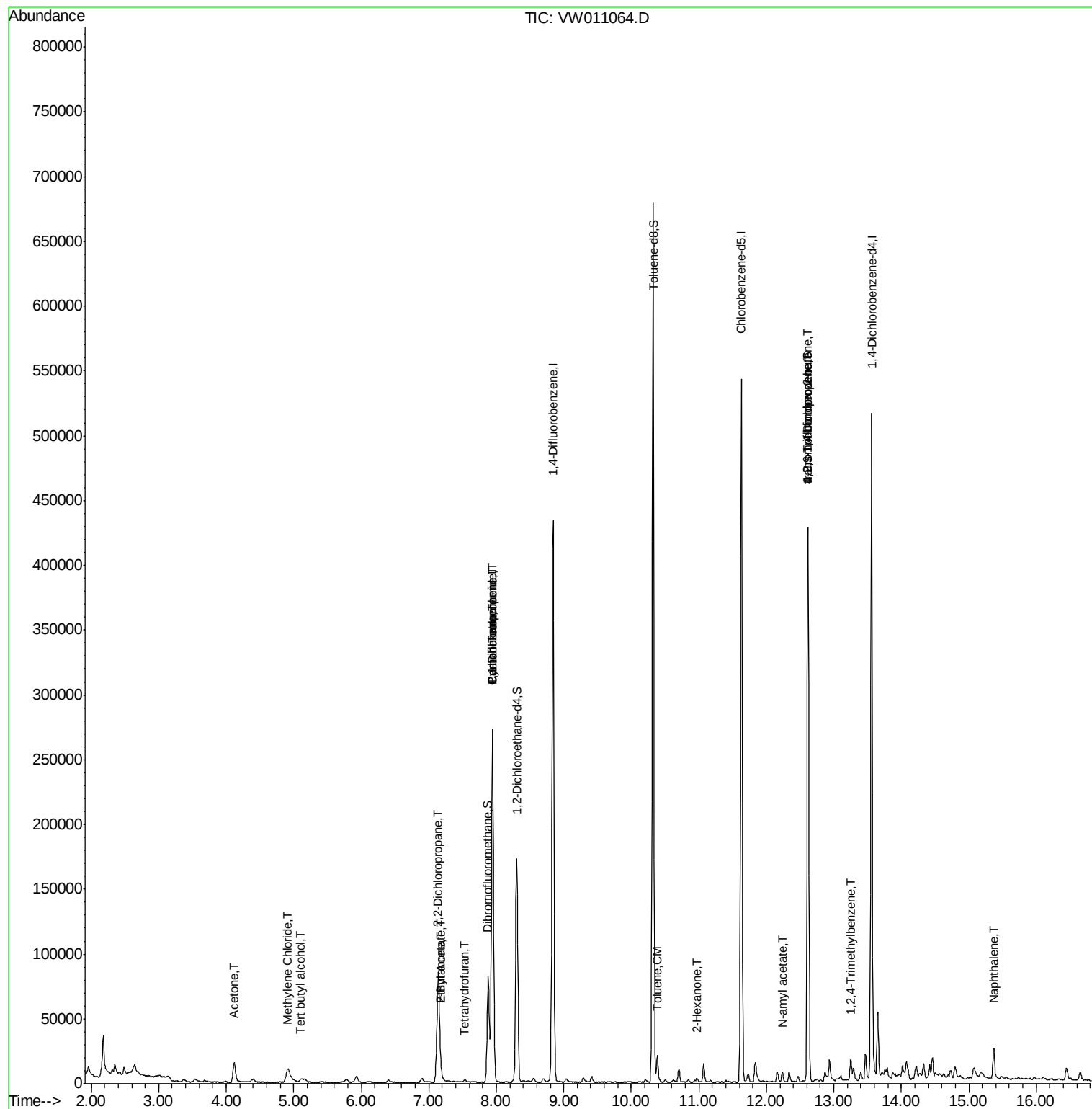
						Qvalue
11) Tert butyl alcohol	5.11	59	2384	13.025	ug/l #	75
16) Acetone	4.12	43	29029	47.190	ug/l	94
20) Methylene Chloride	4.92	84	8175	3.271	ug/l	96
25) 2-Butanone	7.18	43	11260	12.042	ug/l	92
26) 2,2-Dichloropropane	7.14	77	5619	2.426	ug/l #	54
29) Tetrahydrofuran	7.52	42	1585	2.723	ug/l	93
31) Cyclohexane	7.95	56	5543	1.150	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	17642	4.900	ug/l #	52
37) Ethyl Acetate	7.18	43	11260	5.376	ug/l #	73
38) Carbon Tetrachloride	7.95	117	19855	6.696	ug/l #	15
52) Toluene	10.39	92	8417	1.388	ug/l	96
59) 2-Hexanone	10.97	43	2765	1.901	ug/l	94
74) N-amyl acetate	12.24	43	5793	1.905	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	74596	58.455	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74596	118.274	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.25	105	9001	1.160	ug/l	94
95) Naphthalene	15.37	128	19248	4.119	ug/l	98

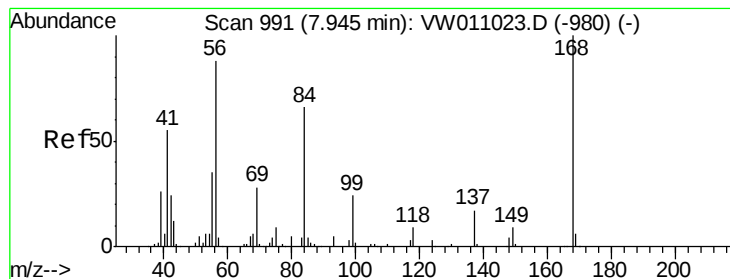
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

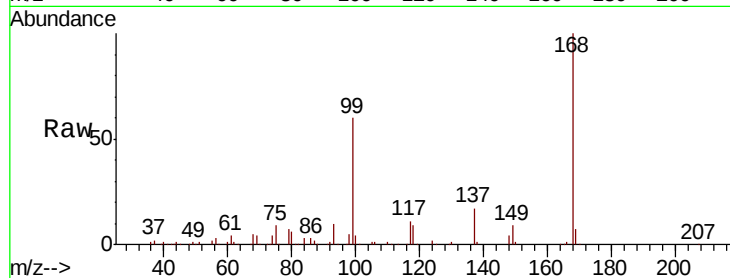
FK-0D015-03-009

Tot Ion:168 Resp: 192781

Ion Ratio Lower Upper

168 100

99 60.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

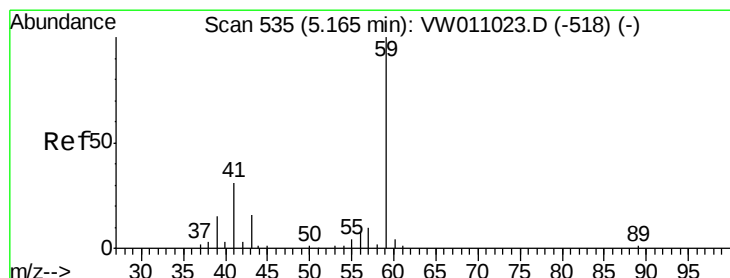
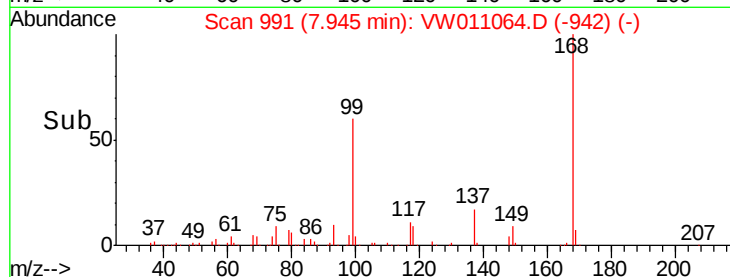
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.025 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011064.D

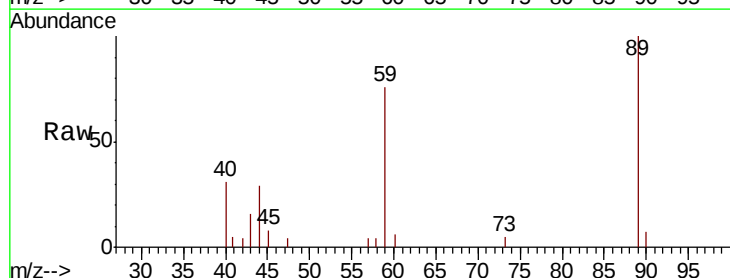
Acq: 28 Jun 2019 16:28

Tgt Ion: 59 Resp: 2384

Ion Ratio Lower Upper

59 100

57 1.6 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

1200

1000

800

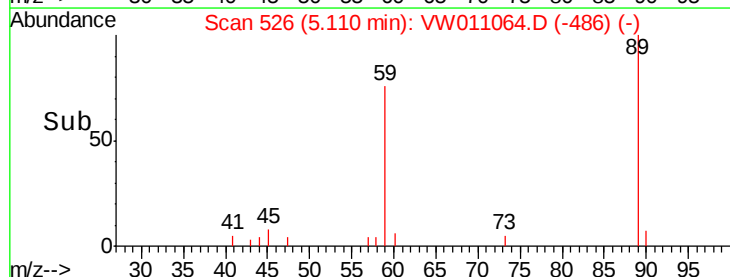
600

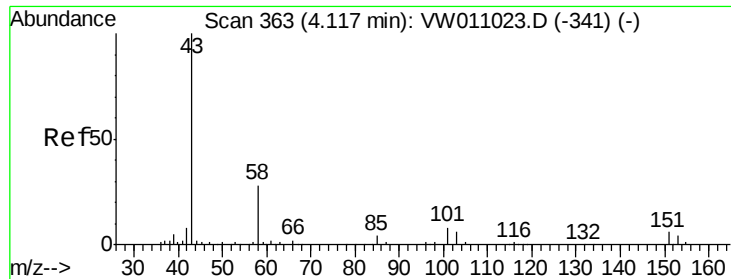
400

200

0

Time-->





#16

Acetone

Concen: 47.190 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

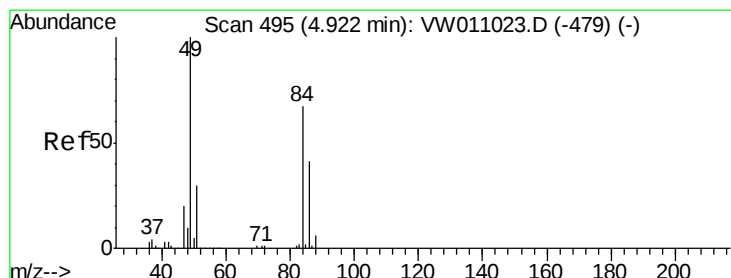
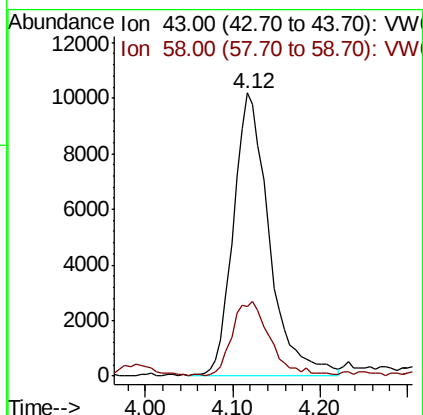
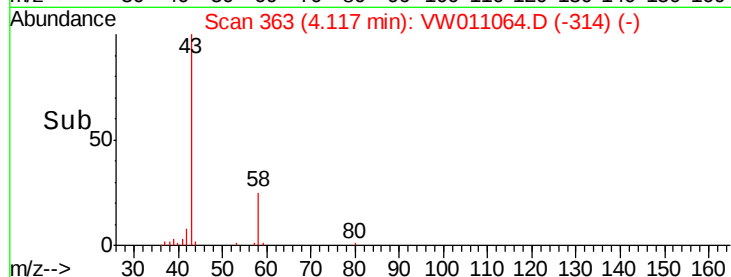
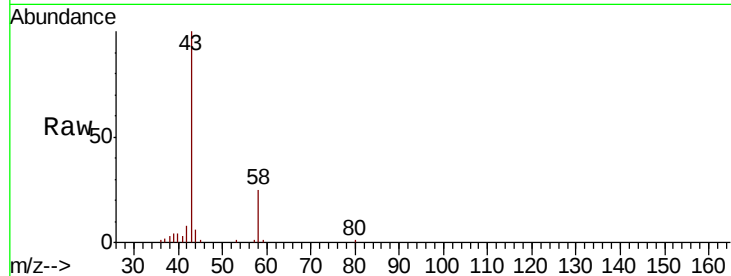
FK-0D015-03-009

Tot Ion: 43 Resp: 29029

Ion Ratio Lower Upper

43 100

58 24.7 22.5 33.7



#20

Methylene Chloride

Concen: 3.271 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Tgt Ion: 84 Resp: 8175

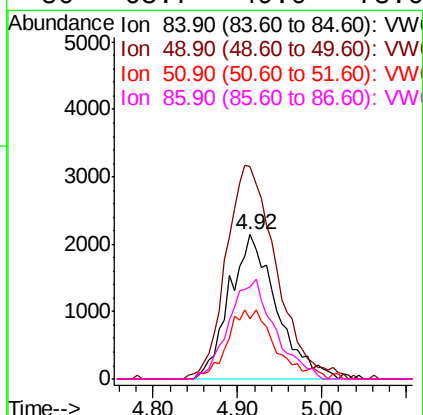
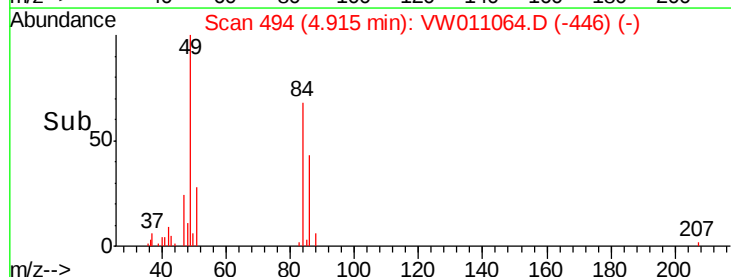
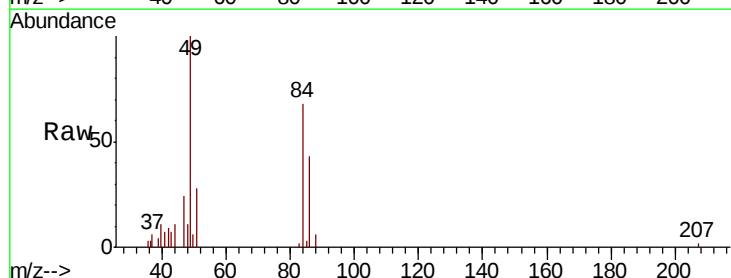
Ion Ratio Lower Upper

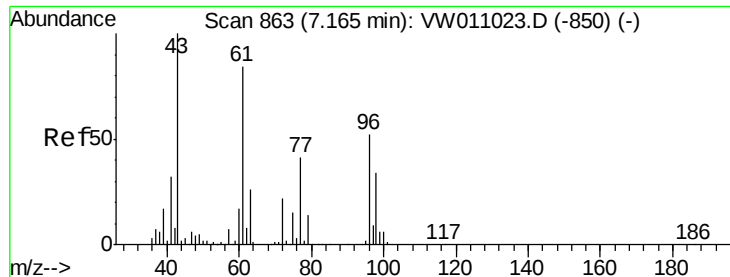
84 100

49 144.7 119.6 179.4

51 41.5 35.6 53.4

86 63.7 49.0 73.6





#25

2-Butanone

Concen: 12.042 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

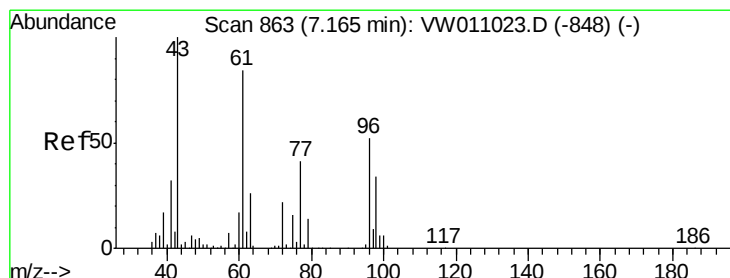
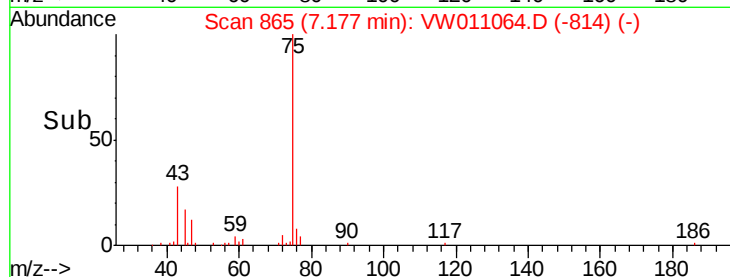
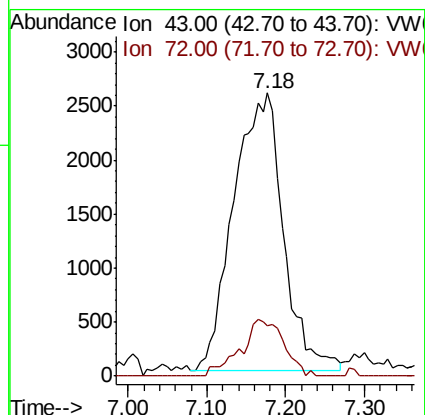
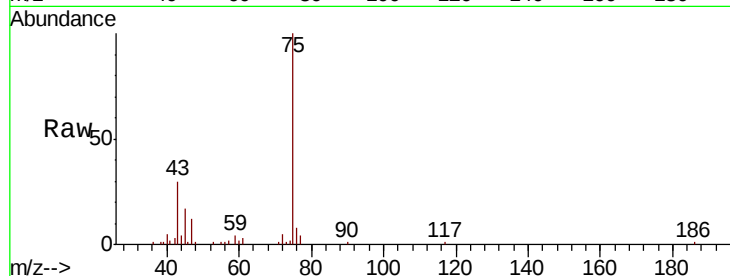
FK-0D015-03-009

Tot Ion: 43 Resp: 11260

Ion Ratio Lower Upper

43 100

72 17.9 17.2 25.8



#26

2,2-Dichloropropane

Concen: 2.426 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011064.D

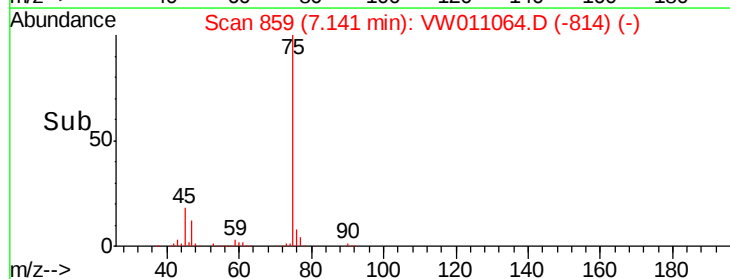
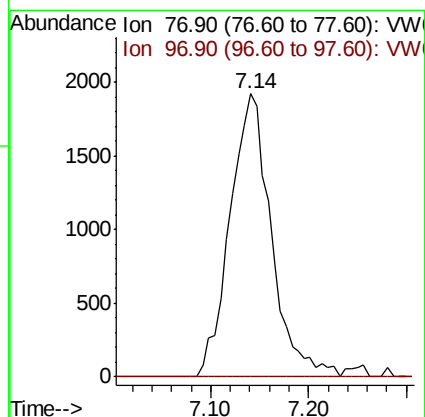
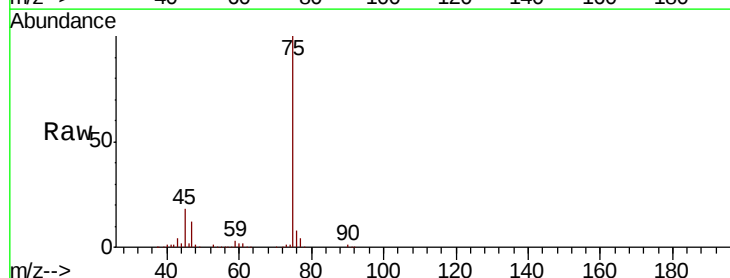
Acq: 28 Jun 2019 16:28

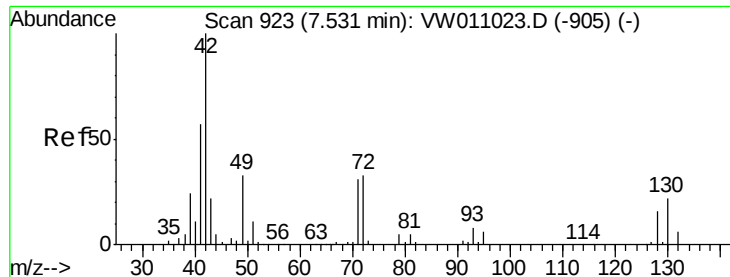
Tgt Ion: 77 Resp: 5619

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#





#29

Tetrahydrofuran

Concen: 2.723 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-009

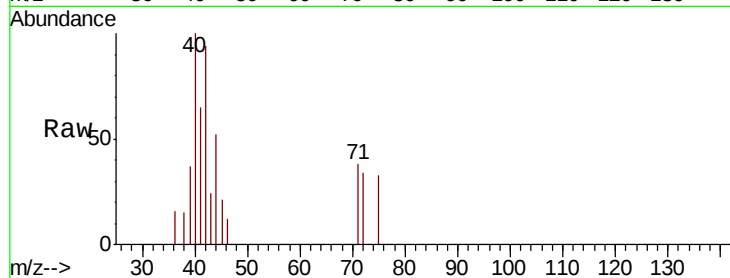
Tot Ion: 42 Resp: 1585

Ion Ratio Lower Upper

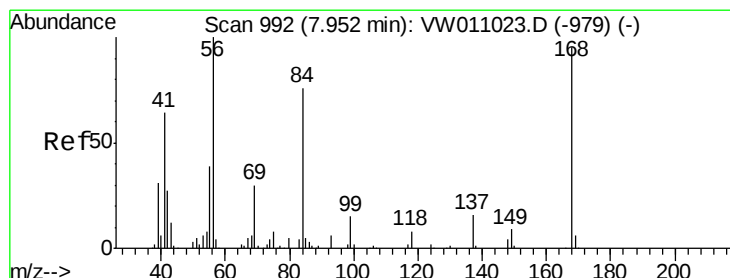
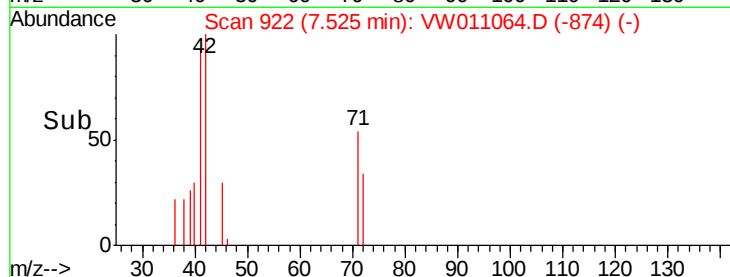
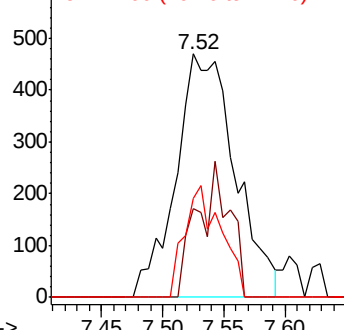
42 100

72 30.0 27.4 41.0

71 28.1 25.6 38.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

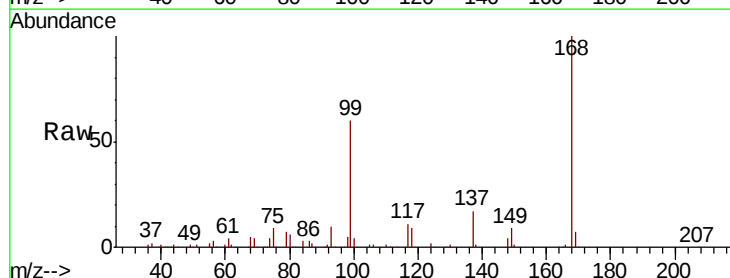
Tgt Ion: 56 Resp: 5543

Ion Ratio Lower Upper

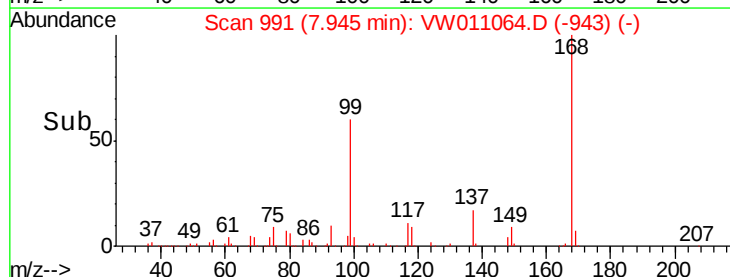
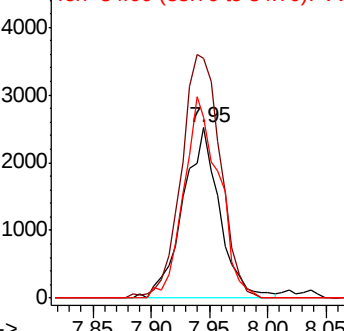
56 100

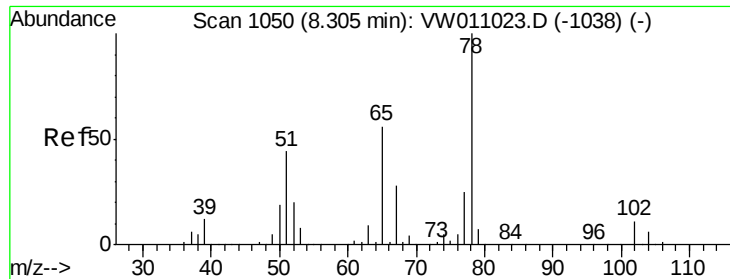
69 140.7 24.2 36.2#

84 106.4 60.6 90.8#



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

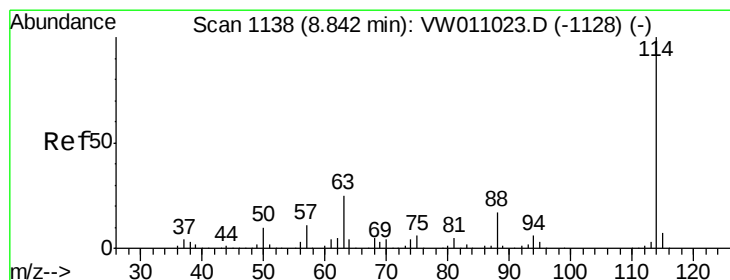
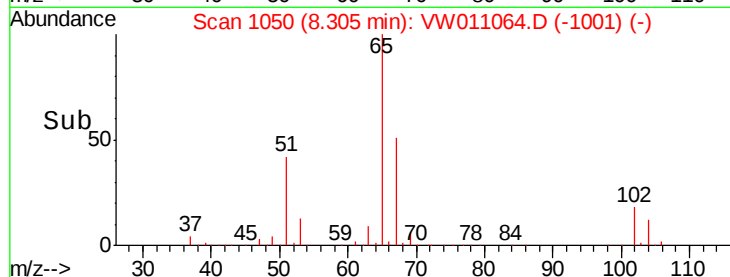
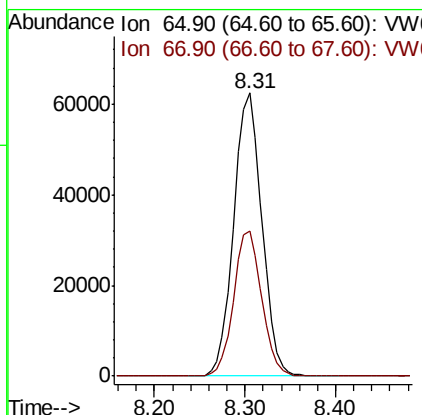
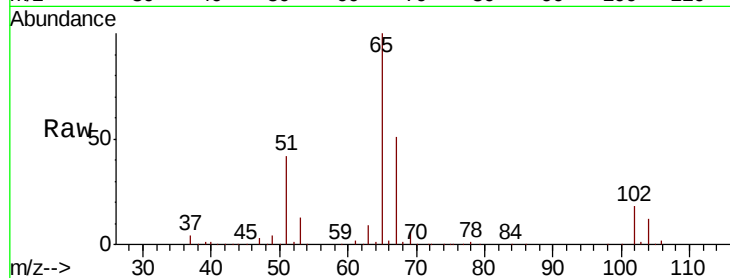




#33
 1,2-Dichloroethane-d4
 Concen: 53.858 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011064.D
 Acq: 28 Jun 2019 16:28

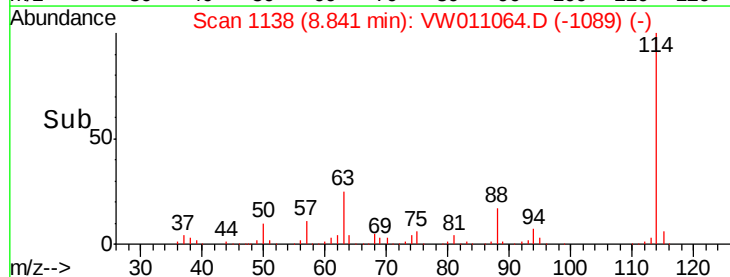
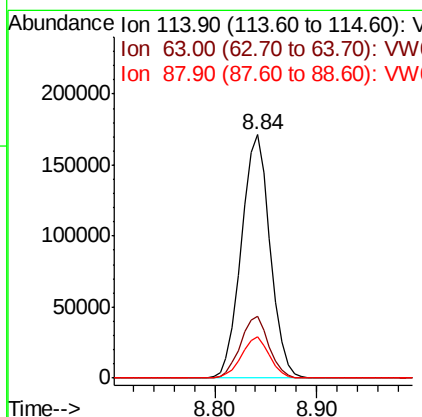
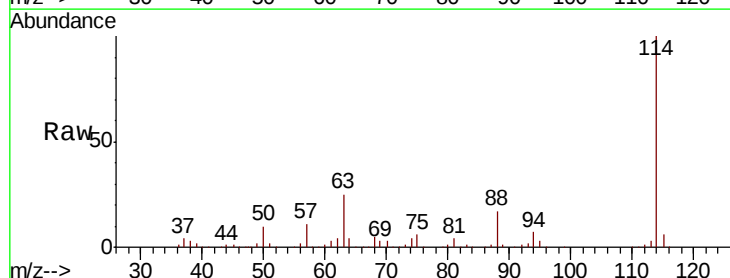
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-0D015-03-009

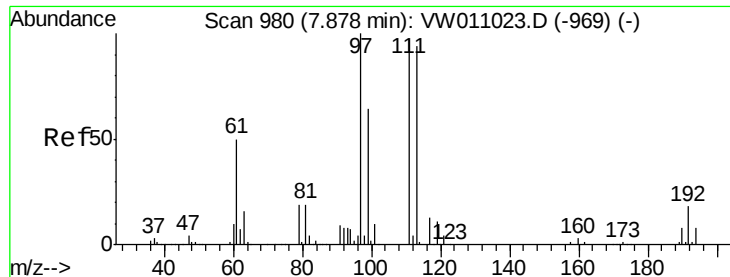
Tot Ion: 65 Resp: 135731
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011064.D
 Acq: 28 Jun 2019 16:28

Tgt Ion: 114 Resp: 335004
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.6
 88 17.0 0.0 34.0

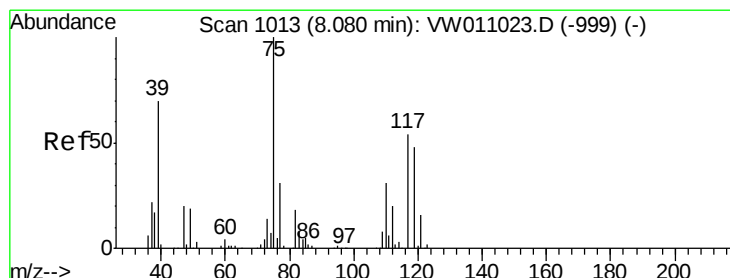
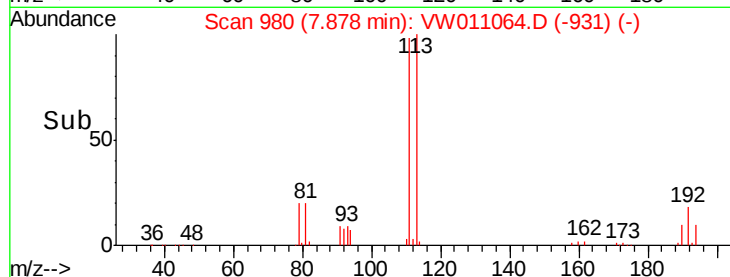
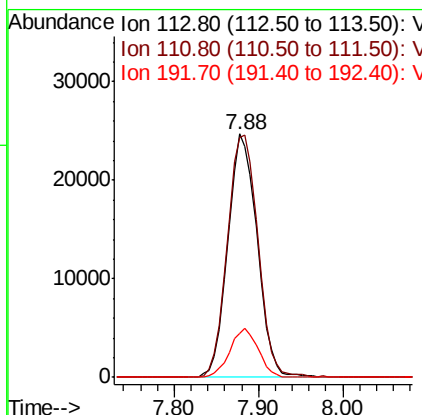
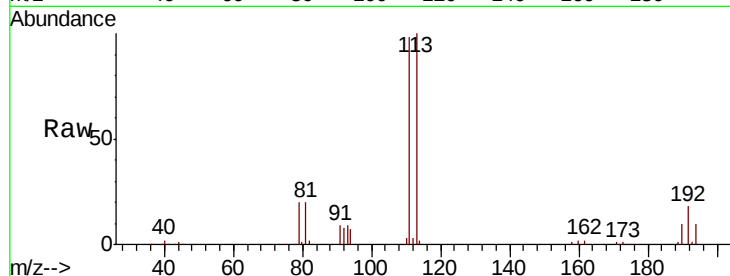




#35
 Dibromofluoromethane
 Concen: 28.538 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011064.D
 Acq: 28 Jun 2019 16:28

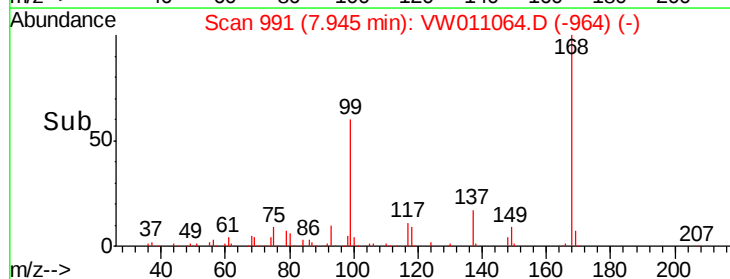
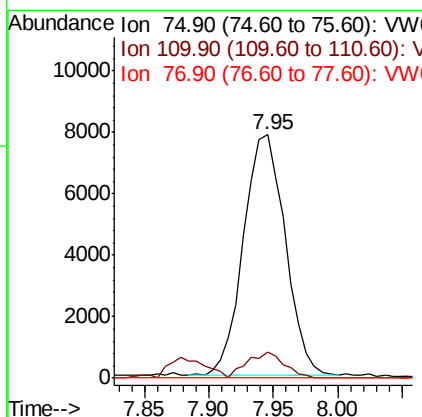
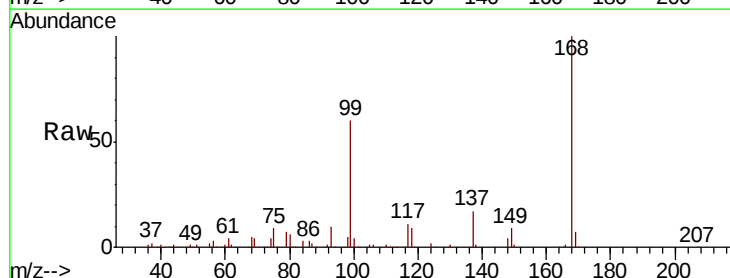
Instrument :
 MSVOA_W
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 FK-0D015-03-009

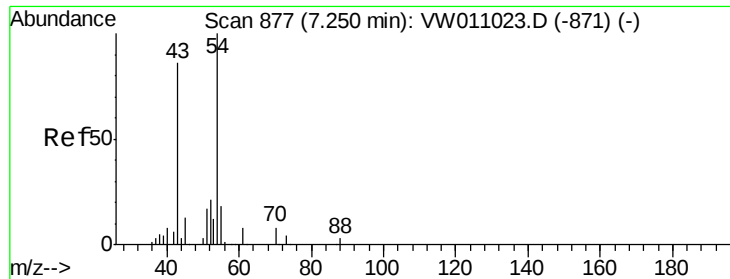
Tot Ion:113 Resp: 58379
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.8 125.6
 192 19.3 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 4.900 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011064.D
 Acq: 28 Jun 2019 16:28

Tgt Ion: 75 Resp: 17642
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.5 46.5#
 77 0.0 24.9 37.3#

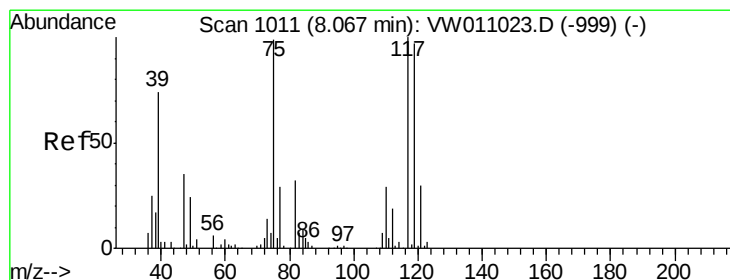
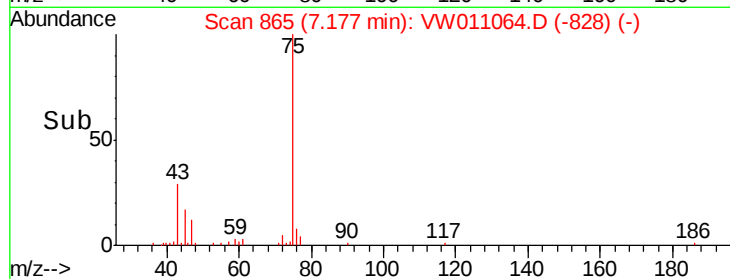
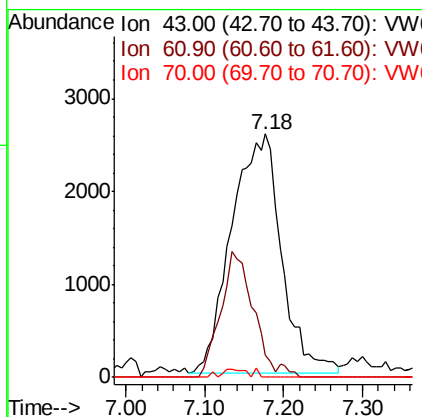
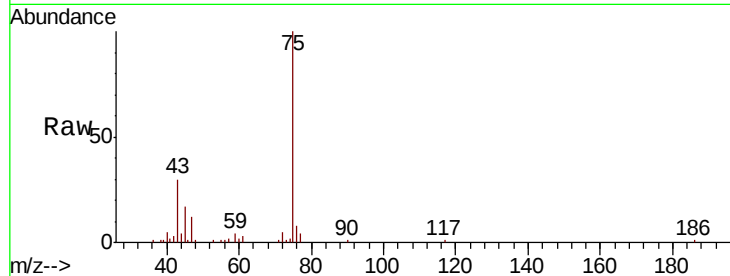




#37
Ethyl Acetate
Concen: 5.376 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

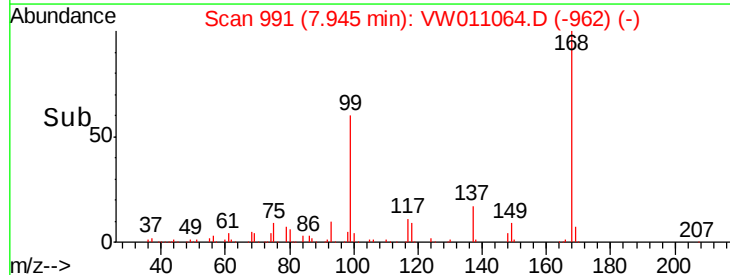
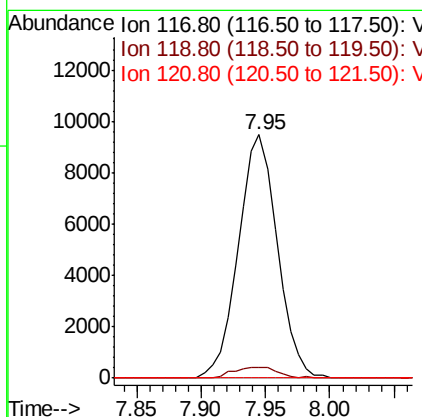
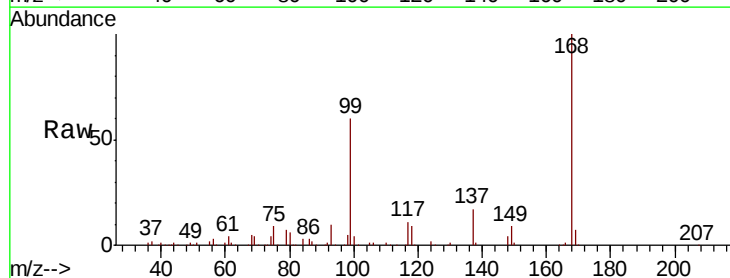
Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-009

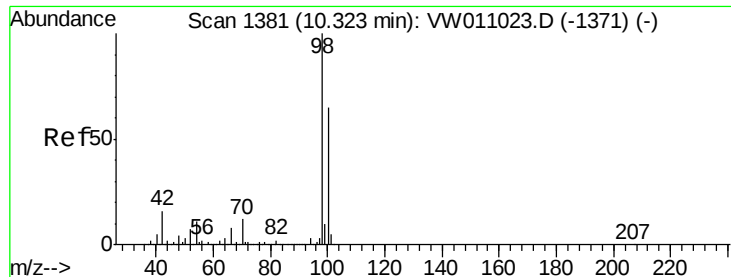
Tot Ion: 43 Resp: 11260
Ion Ratio Lower Upper
43 100
61 0.0 9.0 13.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.696 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

Tgt Ion: 117 Resp: 19855
Ion Ratio Lower Upper
117 100
119 4.4 77.7 116.5#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.262 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

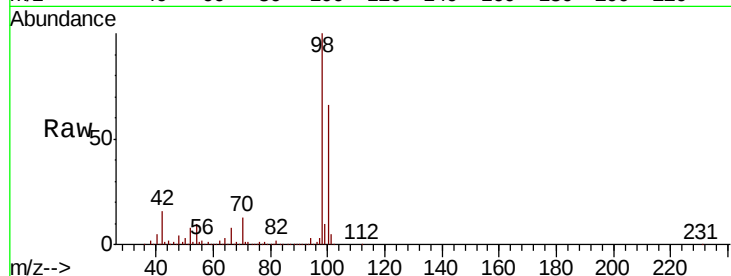
FK-0D015-03-009

Tot Ion: 98 Resp: 414815

Ion Ratio Lower Upper

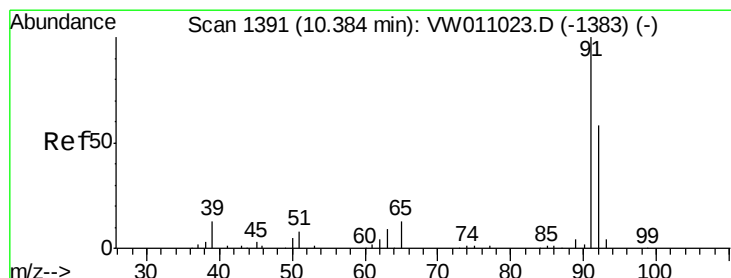
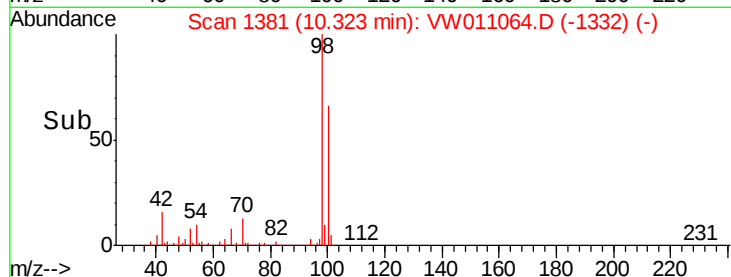
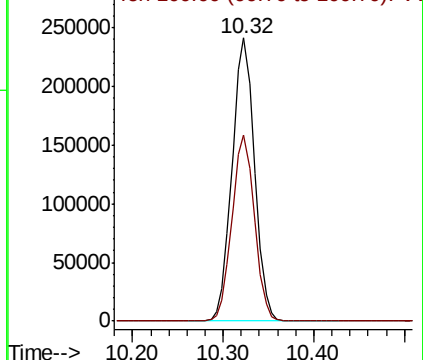
98 100

100 66.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.388 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011064.D

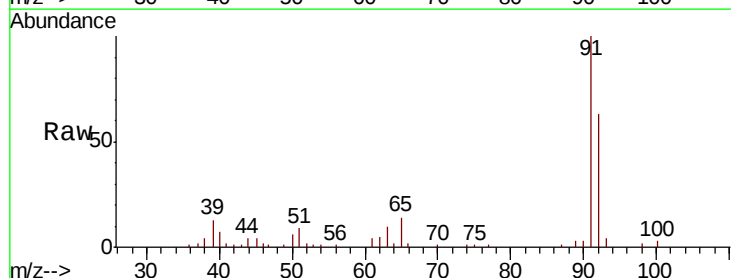
Acq: 28 Jun 2019 16:28

Tgt Ion: 92 Resp: 8417

Ion Ratio Lower Upper

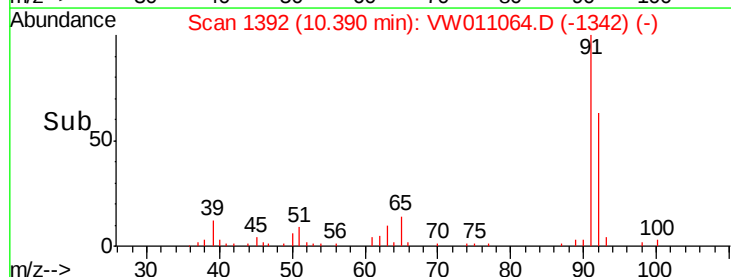
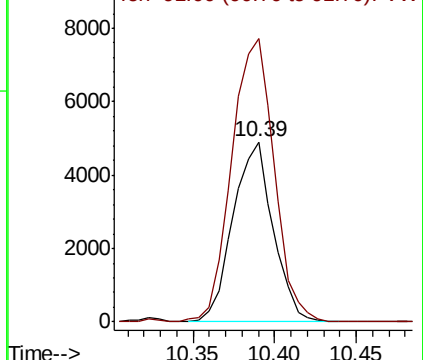
92 100

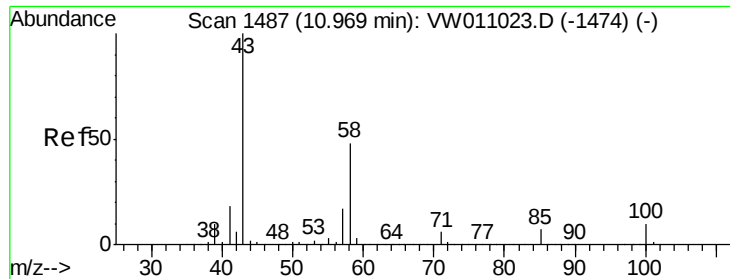
91 166.1 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#59

2-Hexanone

Concen: 1.901 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

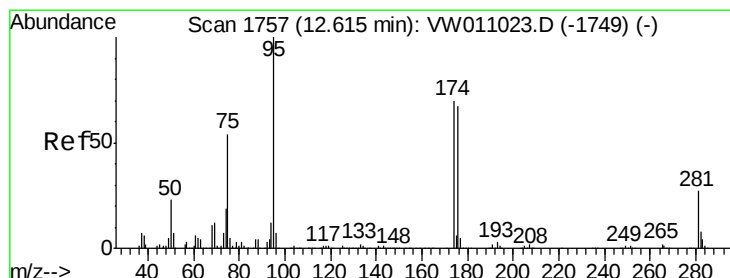
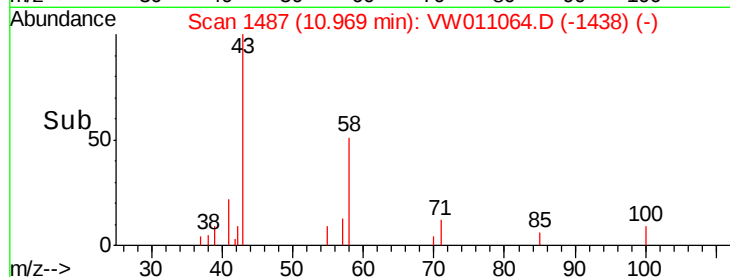
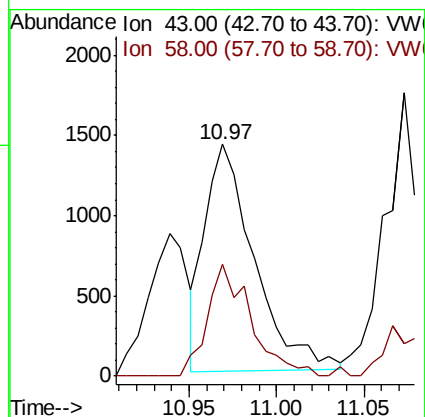
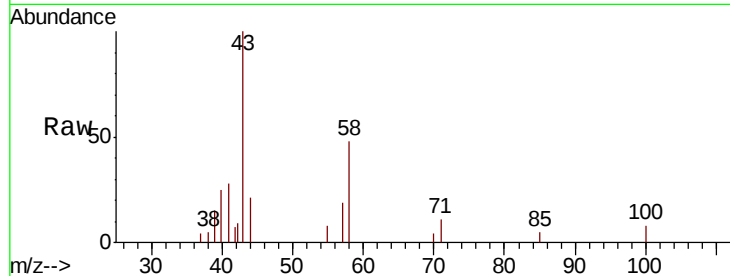
FK-0D015-03-009

Tot Ion: 43 Resp: 2765

Ion Ratio Lower Upper

43 100

58 44.0 23.8 71.5



#62

4-Bromofluorobenzene

Concen: 44.149 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

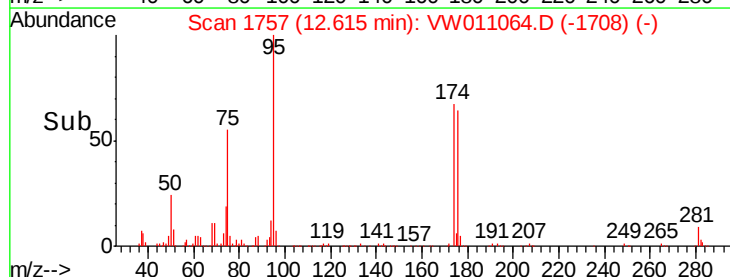
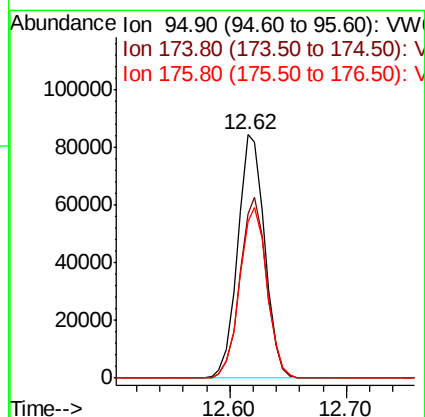
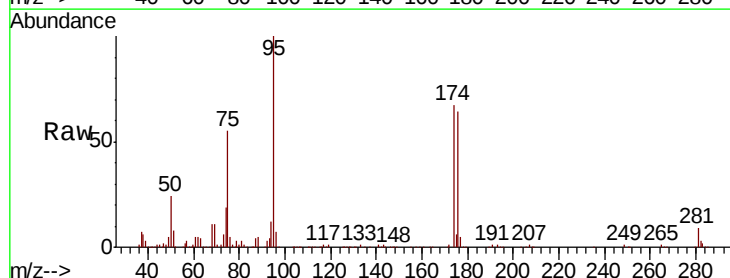
Tgt Ion: 95 Resp: 135971

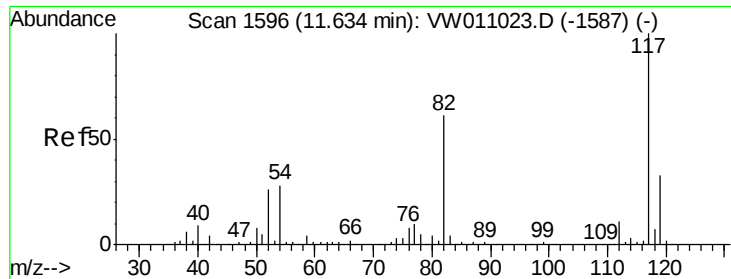
Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.2

176 71.2 0.0 143.6

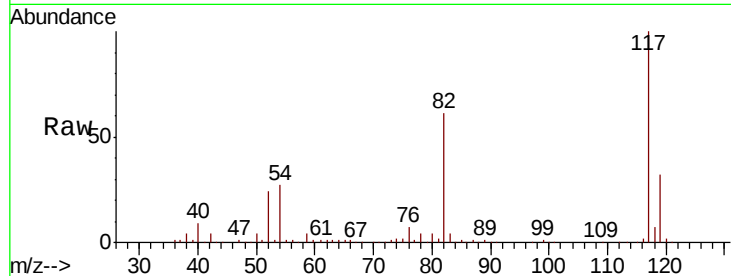




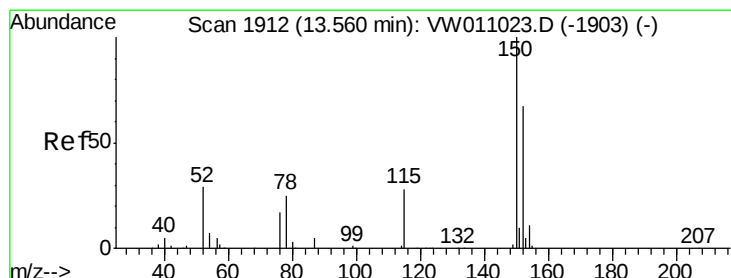
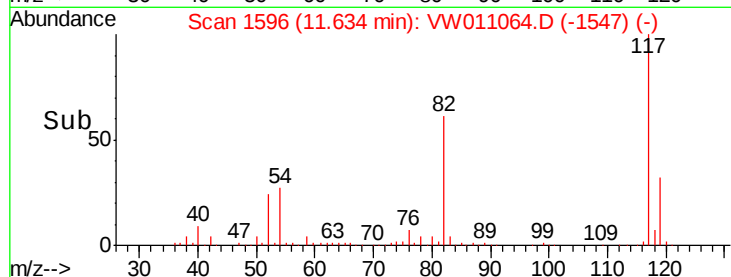
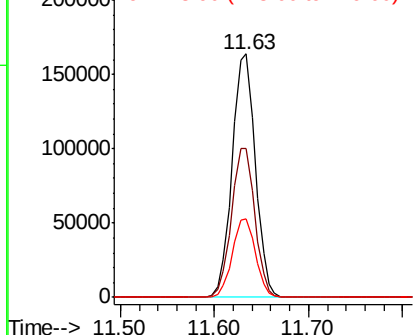
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-009

Tot Ion:117 Resp: 280697
Ion Ratio Lower Upper
117 100
82 61.1 48.6 73.0
119 32.4 26.1 39.1

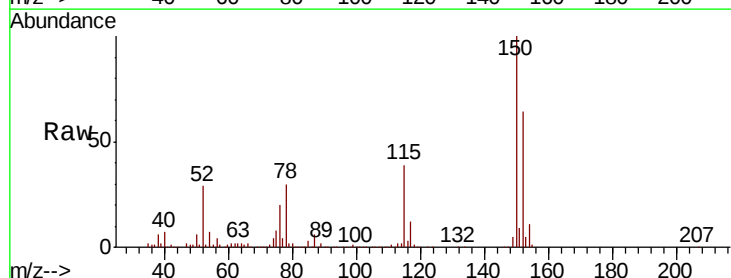


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

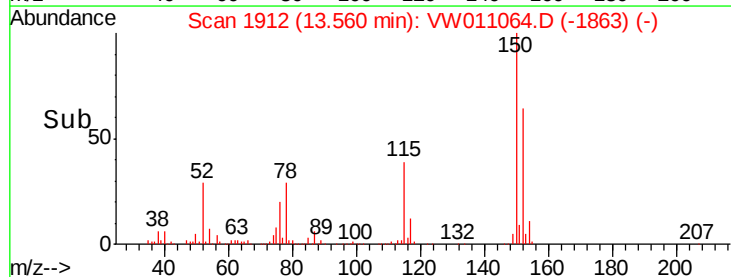
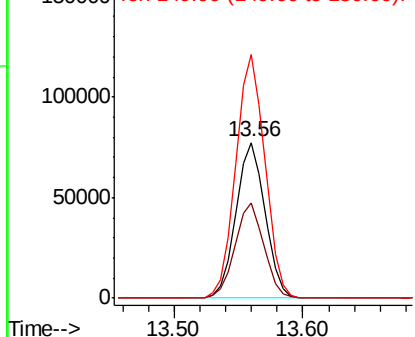


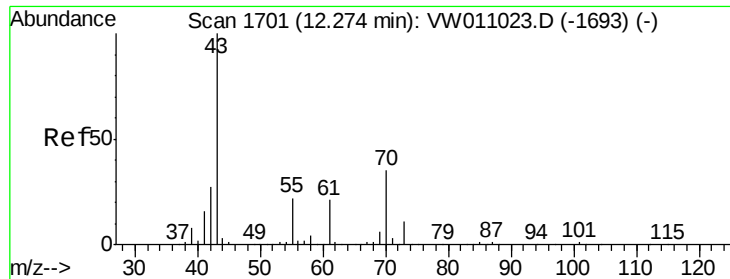
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

Tgt Ion:152 Resp: 120875
Ion Ratio Lower Upper
152 100
115 60.8 30.7 92.1
150 157.2 0.0 341.8



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-amvl acetate

Concen: 1.905 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-009

Tot Ion: 43 Resp: 5793

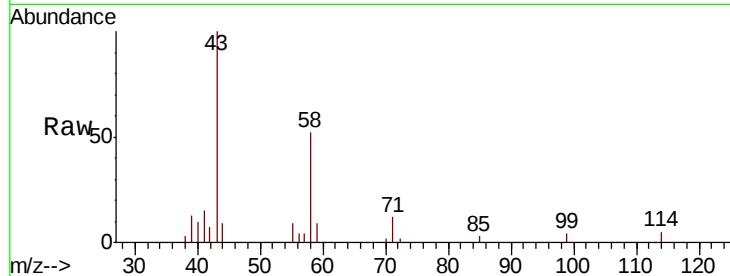
Ion Ratio Lower Upper

43 100

70 0.8 28.2 42.4#

55 12.4 17.8 26.8#

61 0.0 16.6 24.8#

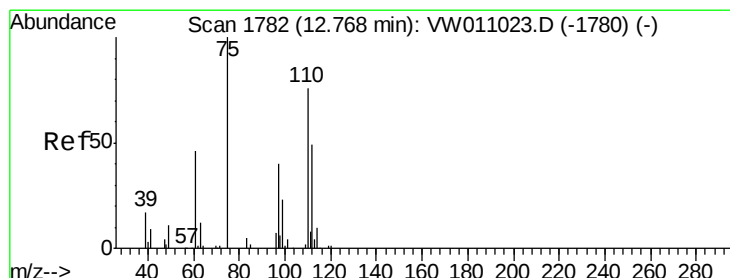
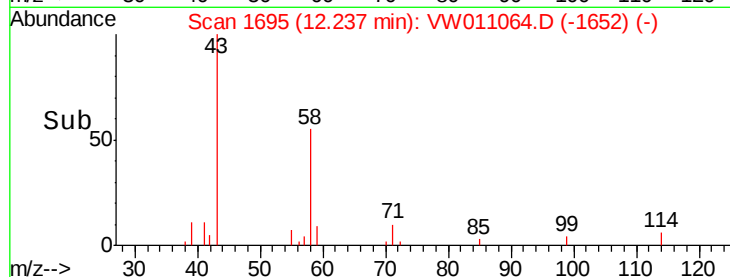
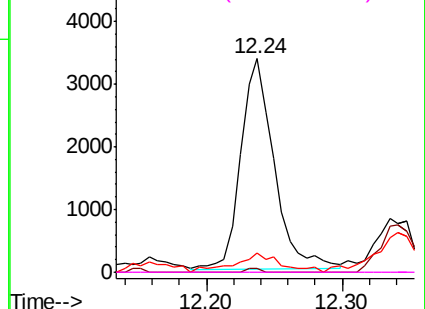


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 58.455 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011064.D

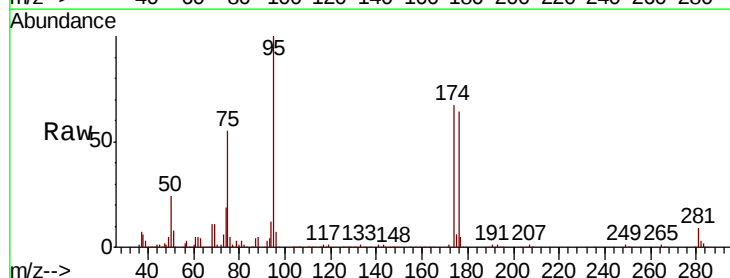
Acq: 28 Jun 2019 16:28

Tgt Ion: 75 Resp: 74596

Ion Ratio Lower Upper

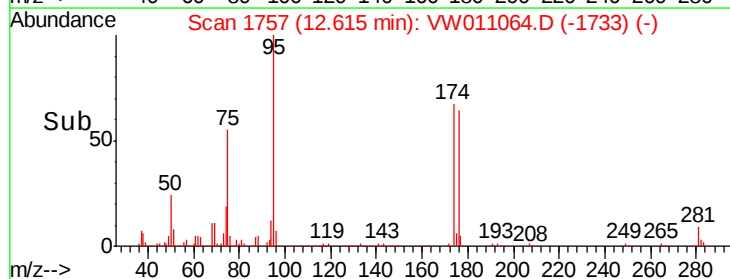
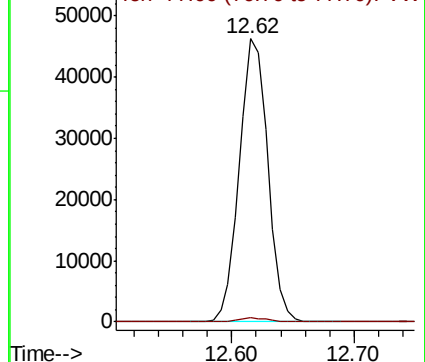
75 100

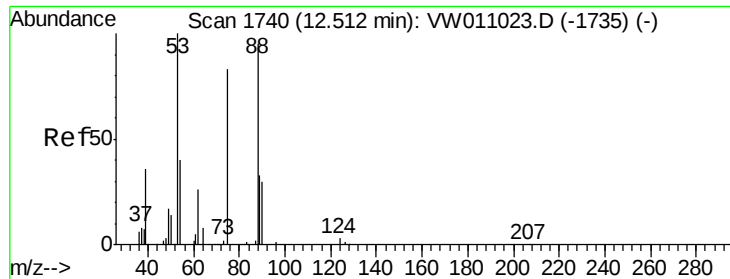
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

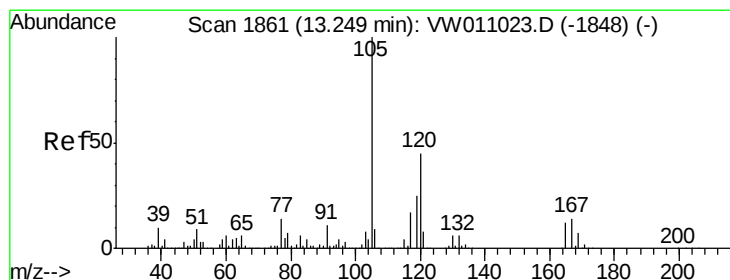
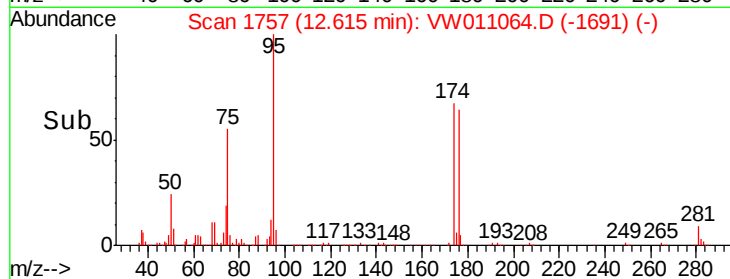
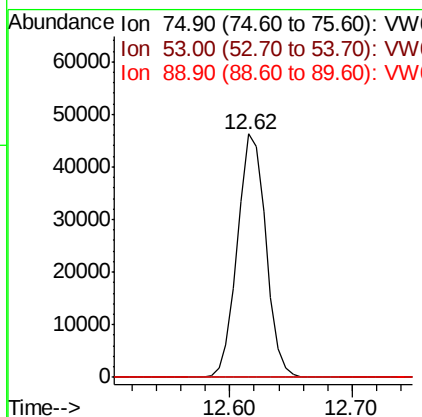
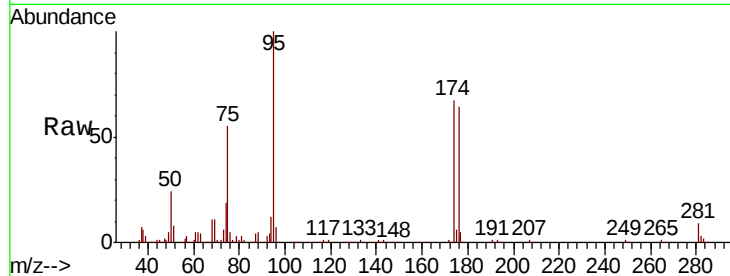




#81
trans-1,4-Dichloro-2-butene
Concen: 118.274 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

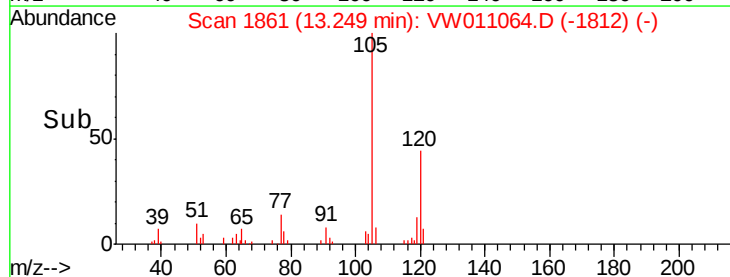
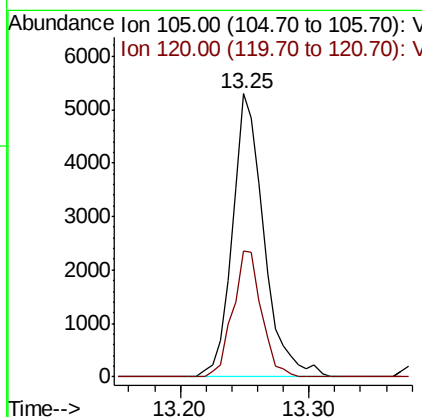
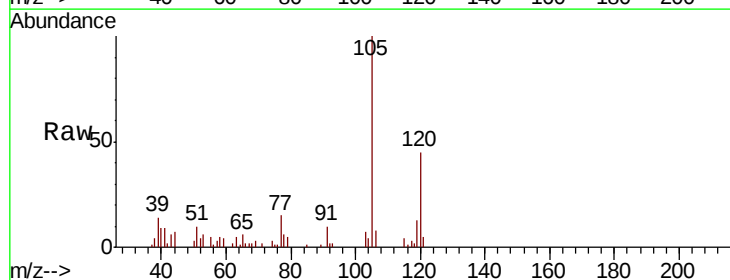
Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-009

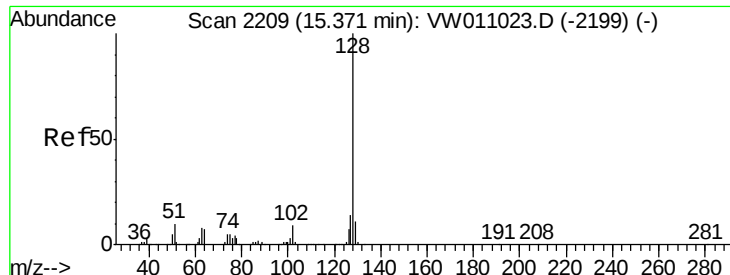
Tot Ion: 75 Resp: 74596
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.1 34.4 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.160 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011064.D
Acq: 28 Jun 2019 16:28

Tgt Ion: 105 Resp: 9001
Ion Ratio Lower Upper
105 100
120 40.6 22.4 67.2





#95

Naphthalene

Concen: 4.119 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011064.D

Acq: 28 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-009

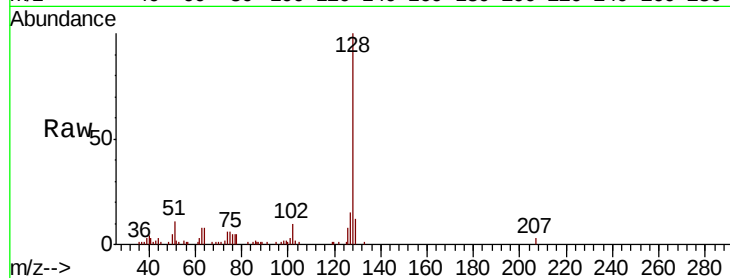
Tot Ion:128 Resp: 19248

Ion Ratio Lower Upper

128 100

127 14.4 10.7 16.1

129 11.7 8.8 13.2



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

