

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015326.D
 Acq On : 23 Apr 2020 12:33
 Operator : SY/VA
 Sample : L2394-08RE
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 06:34:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88559	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.88	113	89407	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.32	98	371708	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	122214	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	

Target Compounds

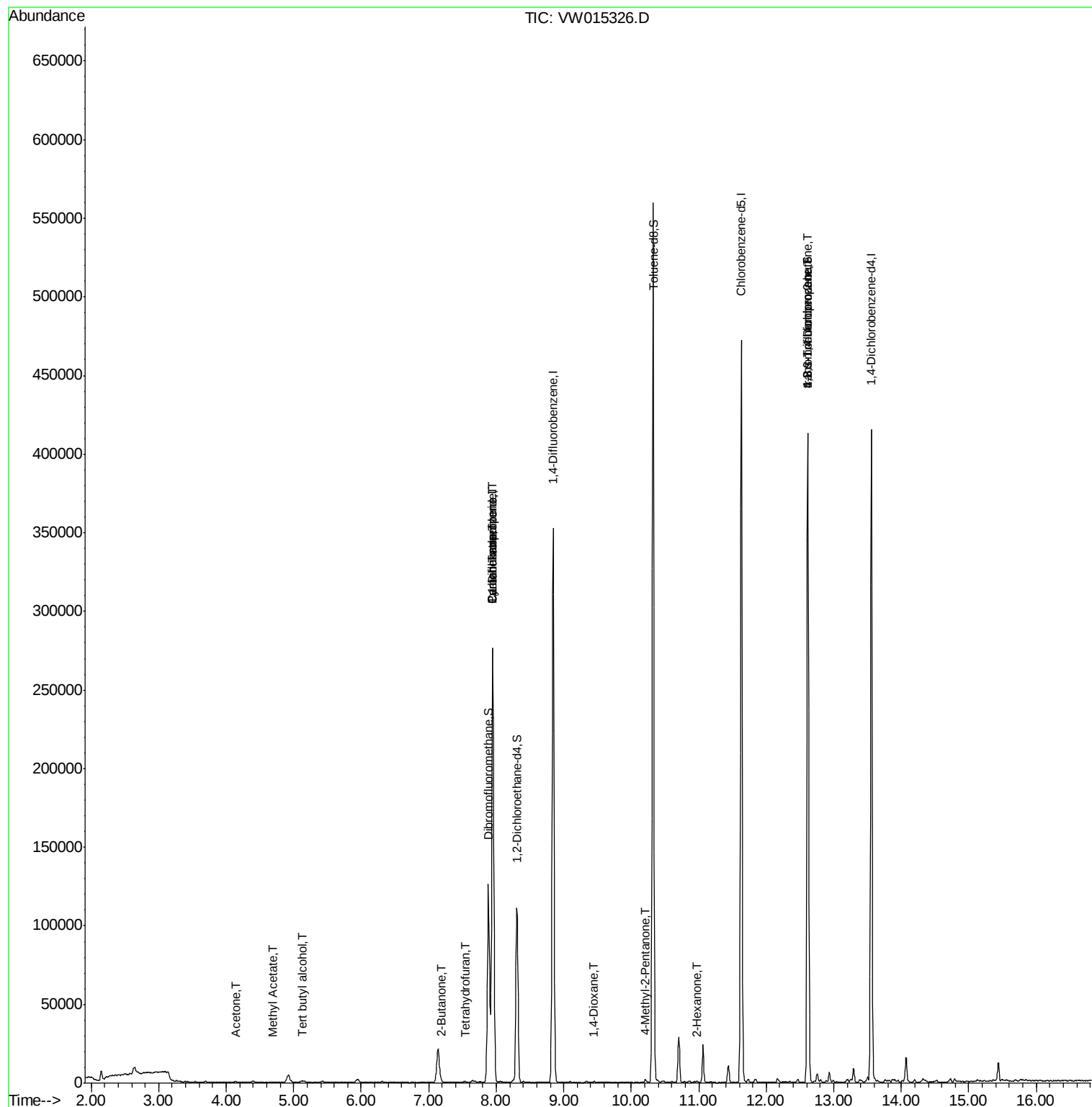
						Qvalue
11) Tert butyl alcohol	5.13	59	829	5.473	ug/l #	82
16) Acetone	4.14	43	1061	3.269	ug/l #	81
18) Methyl Acetate	4.69	43	1021	1.189	ug/l #	49
25) 2-Butanone	7.20	43	450	1.045	ug/l #	77
29) Tetrahydrofuran	7.54	42	530	1.976	ug/l #	76
31) Cyclohexane	7.95	56	4457	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14437	5.144	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19556	6.376	ug/l #	19
49) 1,4-Dioxane	9.45	88	119	8.851	ug/l #	22
51) 4-Methyl-2-Pentanone	10.21	43	1557	1.736	ug/l	94
59) 2-Hexanone	10.97	43	792	1.237	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	61177	66.848	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61177	146.131	ug/l #	15

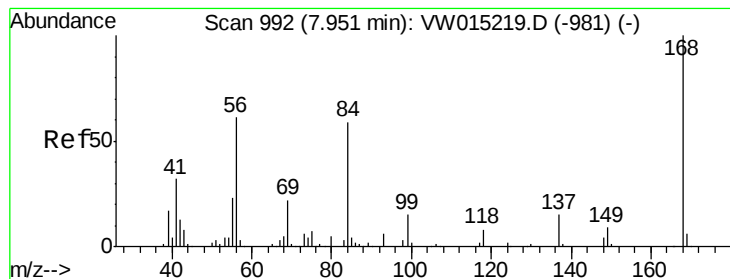
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

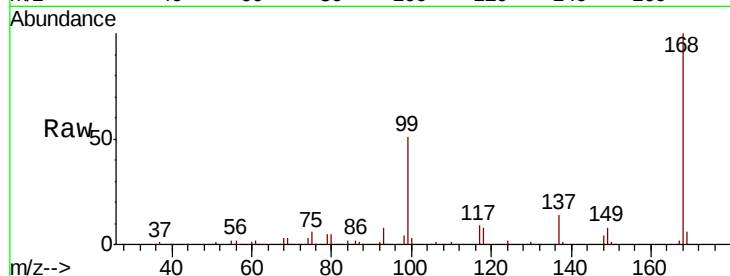
ClientSampled :

Tot Ion:168 Resp: 227212

Ion Ratio Lower Upper

168 100

99 50.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

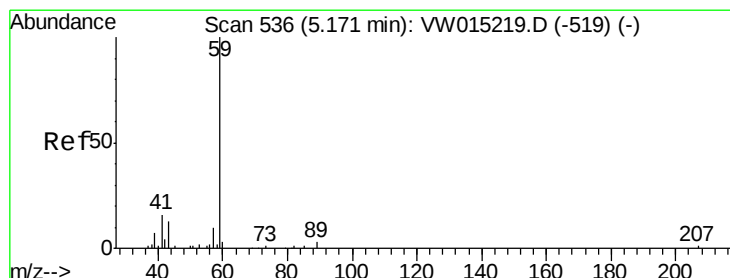
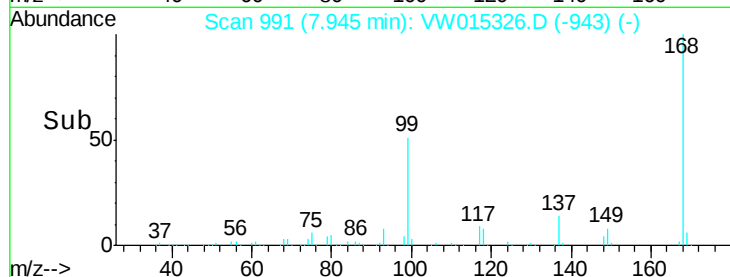
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.473 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW015326.D

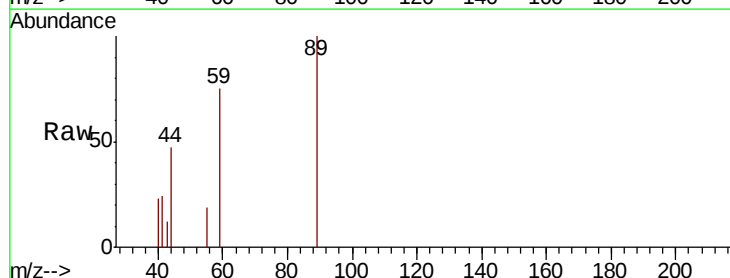
Acq: 23 Apr 2020 12:33

Tgt Ion: 59 Resp: 829

Ion Ratio Lower Upper

59 100

57 3.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

400

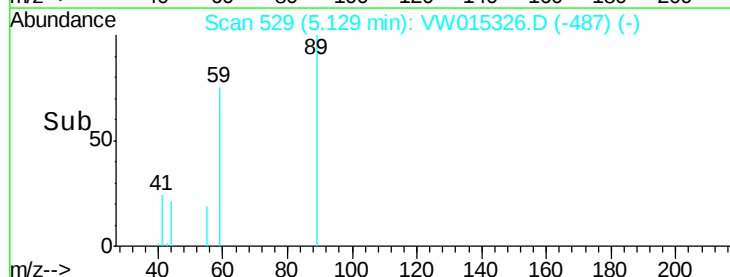
300

200

100

0

Time-->





#16

Acetone

Concen: 3.269 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

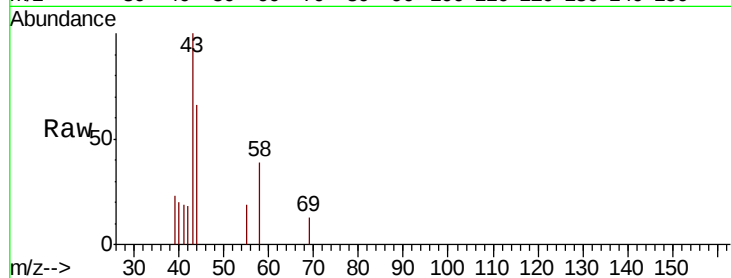
ClientSampled :

Tot Ion: 43 Resp: 1061

Ion Ratio Lower Upper

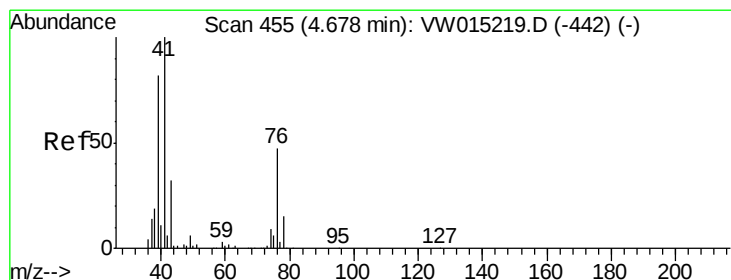
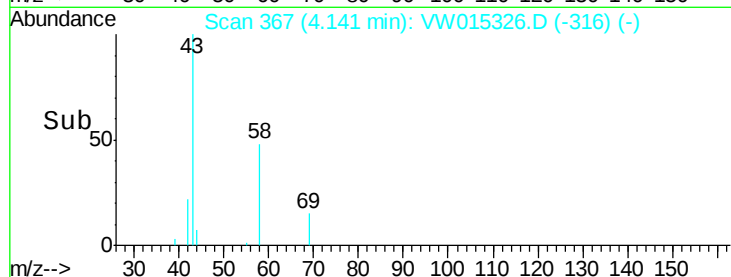
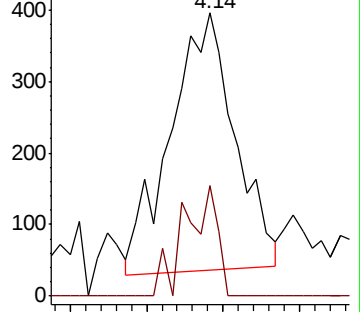
43 100

58 44.6 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.189 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW015326.D

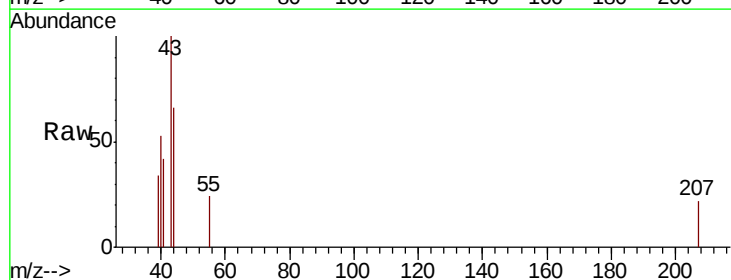
Acq: 23 Apr 2020 12:33

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

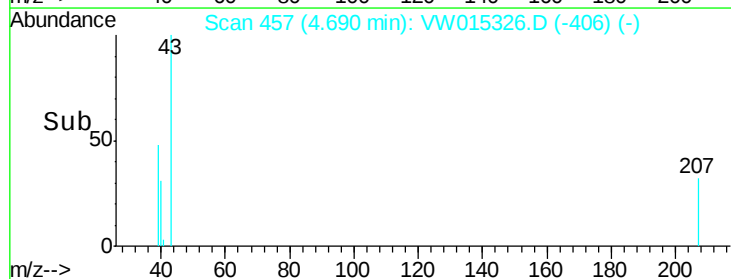
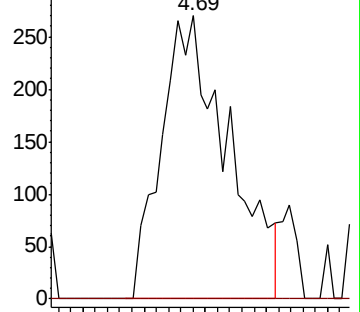
43 100

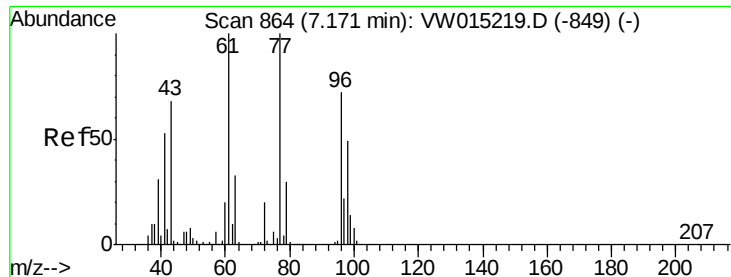
74 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 1.045 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

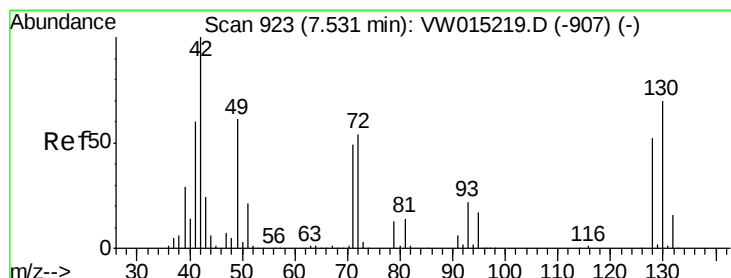
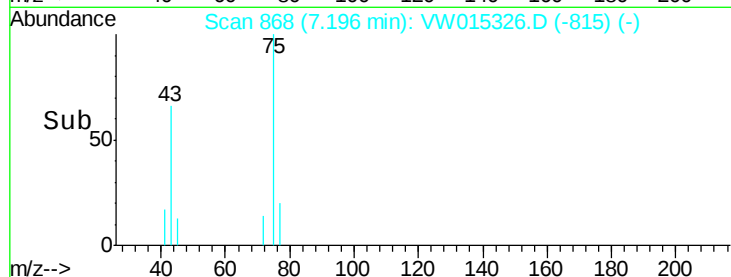
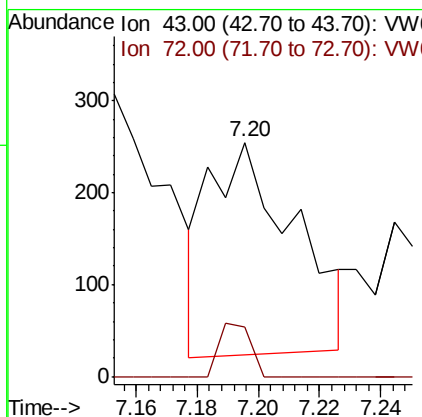
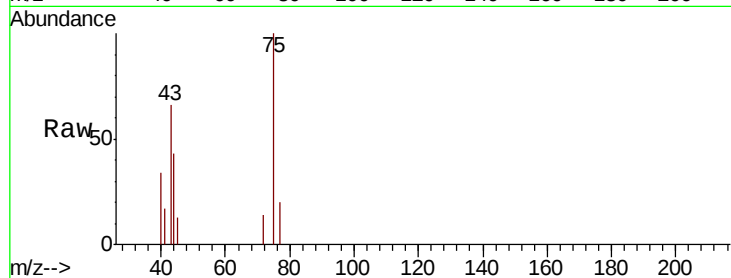
ClientSampled :

Tot Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

72 39.1 21.6 32.4#



#29

Tetrahydrofuran

Concen: 1.976 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

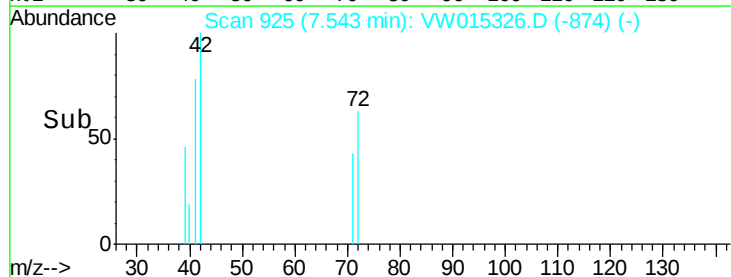
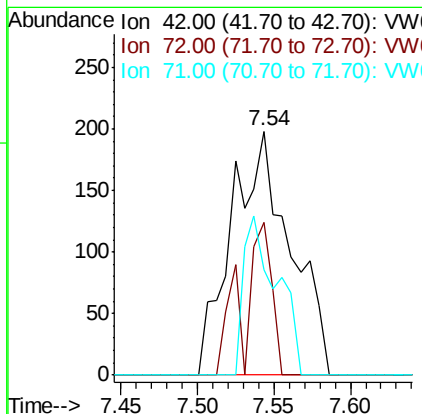
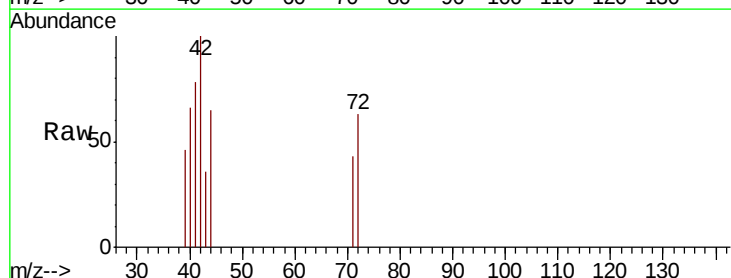
Tgt Ion: 42 Resp: 530

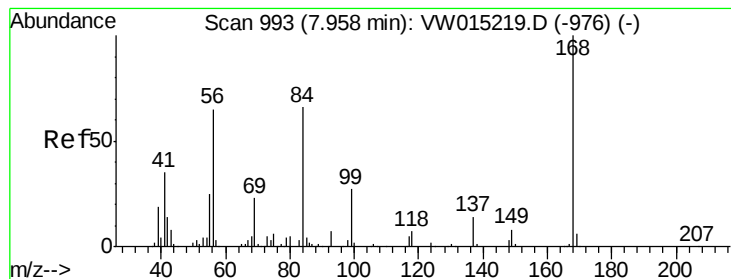
Ion Ratio Lower Upper

42 100

72 20.6 36.2 54.2#

71 37.0 34.2 51.4





#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

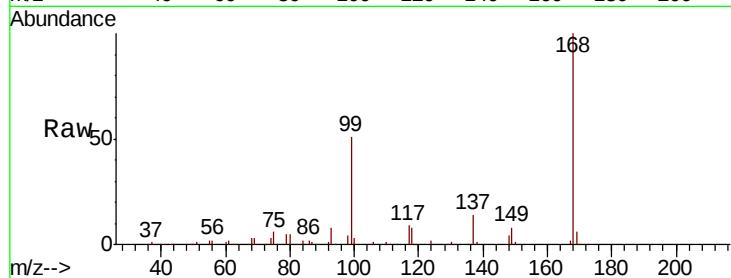
Tot Ion: 56 Resp: 4457

Ion Ratio Lower Upper

56 100

69 166.3 27.1 40.7#

84 138.3 71.9 107.9#

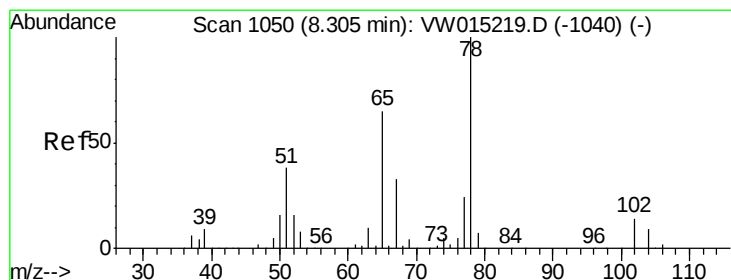
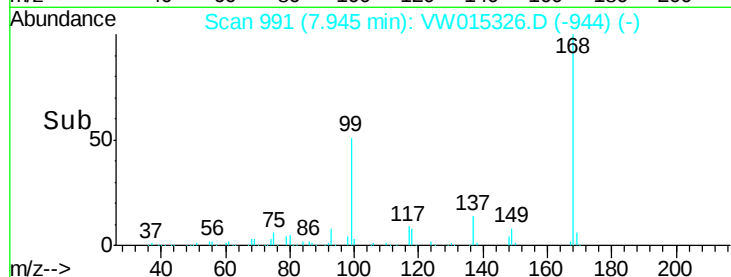
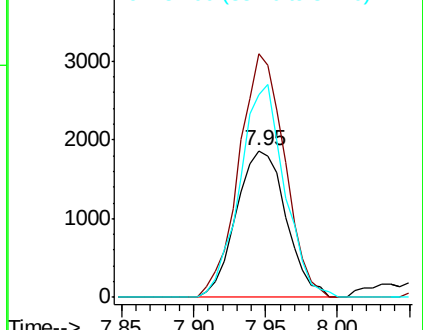


Abundance

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: 47.663 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015326.D

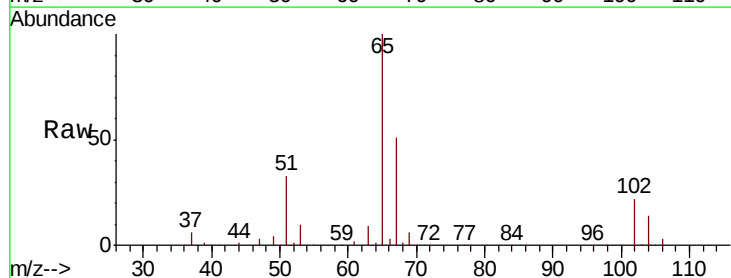
Acq: 23 Apr 2020 12:33

Tgt Ion: 65 Resp: 88559

Ion Ratio Lower Upper

65 100

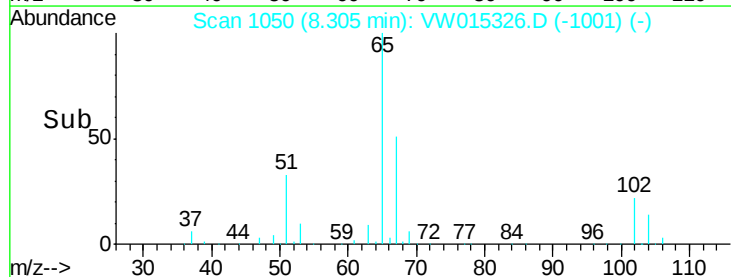
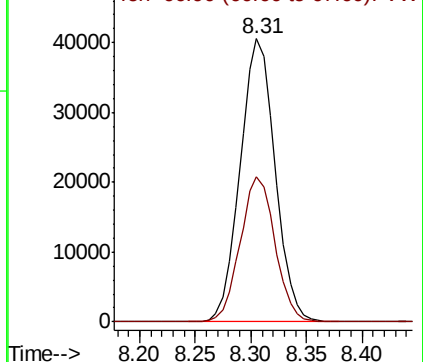
67 51.2 0.0 107.0

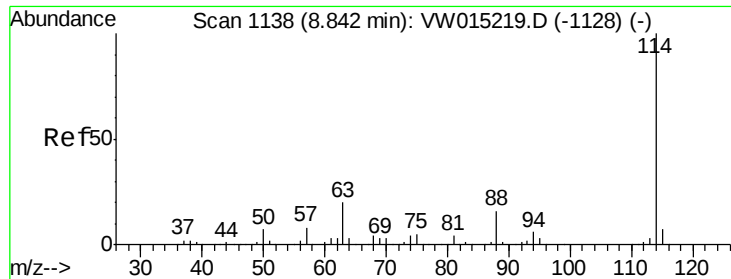


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

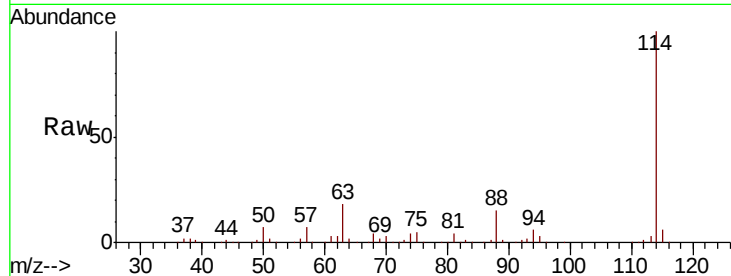




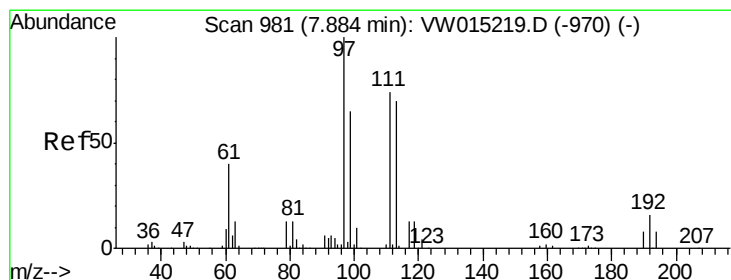
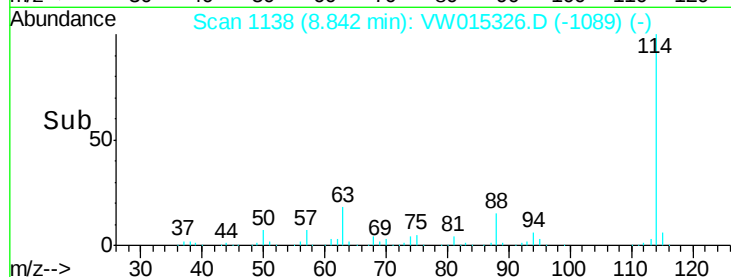
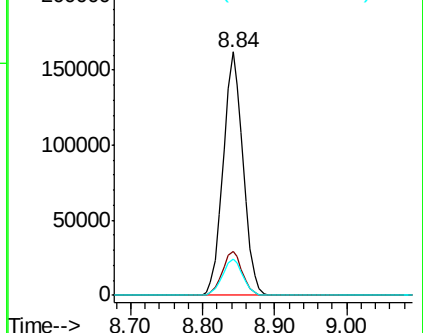
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015326.D
 Acq: 23 Apr 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 310954
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.8
 88 15.0 0.0 30.2

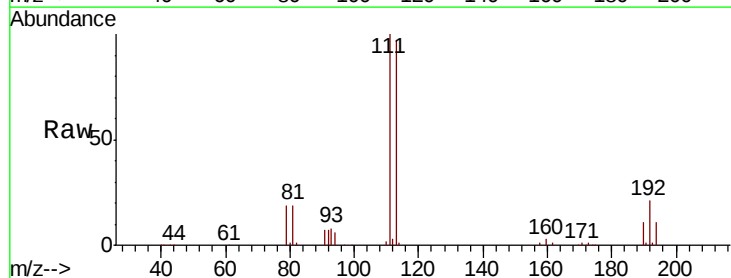


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

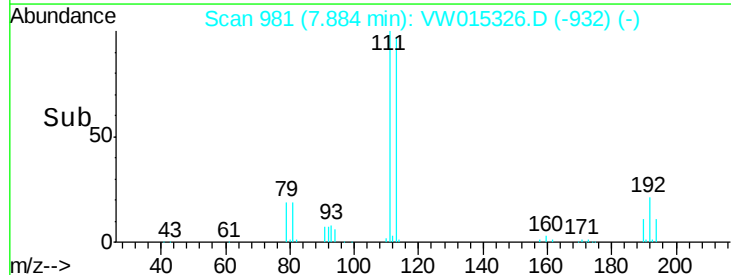
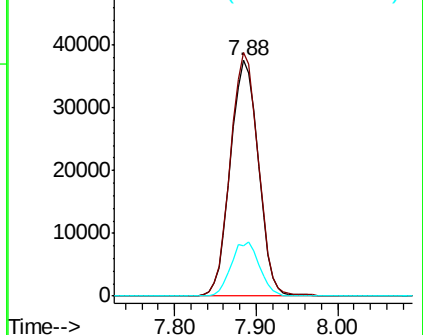


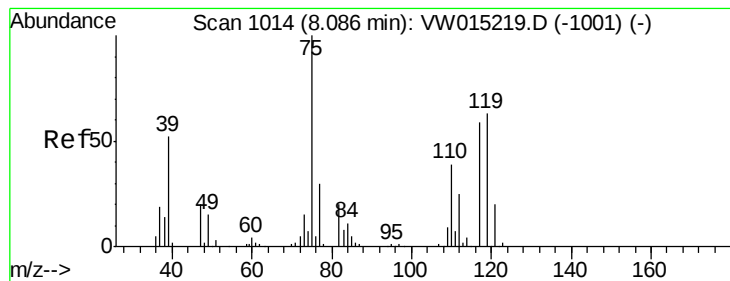
#35
 Dibromofluoromethane
 Concen: 51.907 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015326.D
 Acq: 23 Apr 2020 12:33

Tgt Ion:113 Resp: 89407
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 23.0 15.1 22.7#



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: 5.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

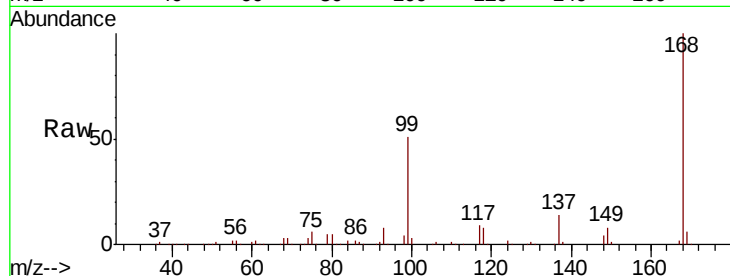
Tot Ion: 75 Resp: 14437

Ion Ratio Lower Upper

75 100

110 9.3 18.2 54.6#

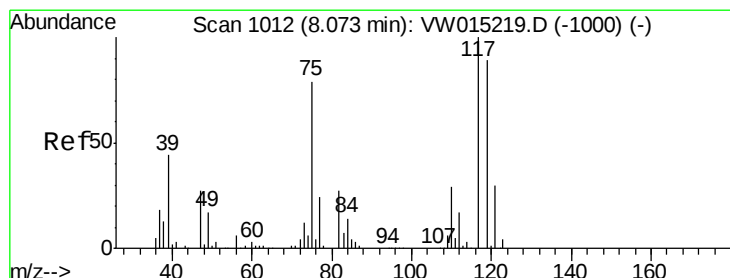
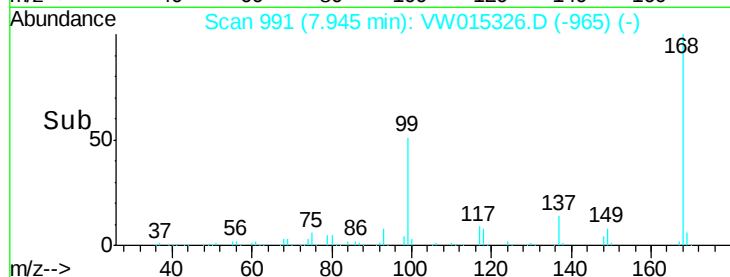
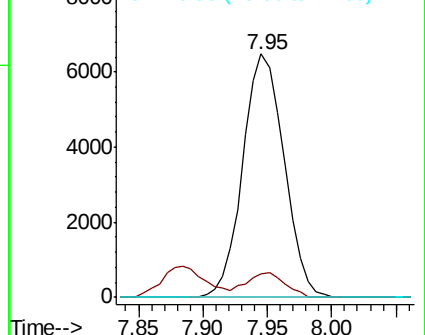
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

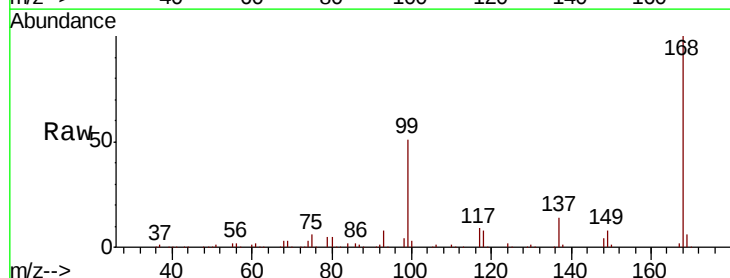
Tgt Ion: 117 Resp: 19556

Ion Ratio Lower Upper

117 100

119 5.5 72.3 108.5#

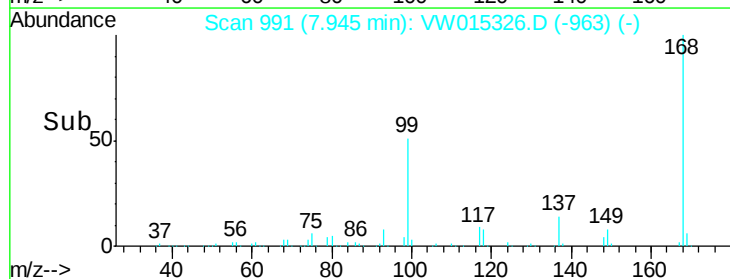
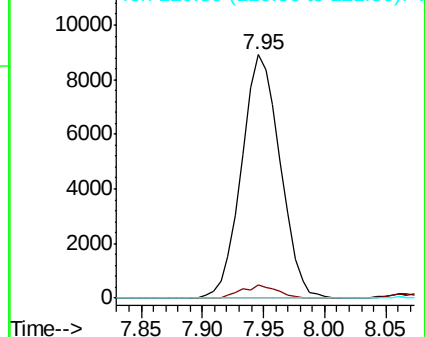
121 0.0 23.7 35.5#

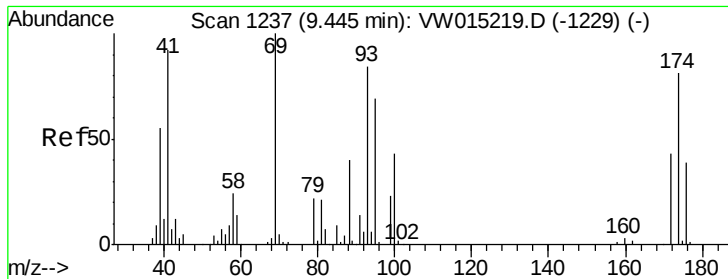


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 8.851 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :
MSVOA_W
ClientSampled :

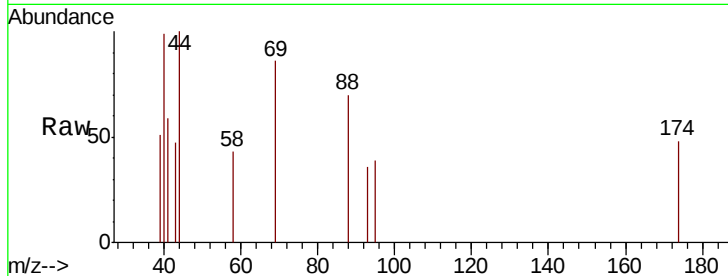
Tot Ion: 88 Resp: 119

Ion Ratio Lower Upper

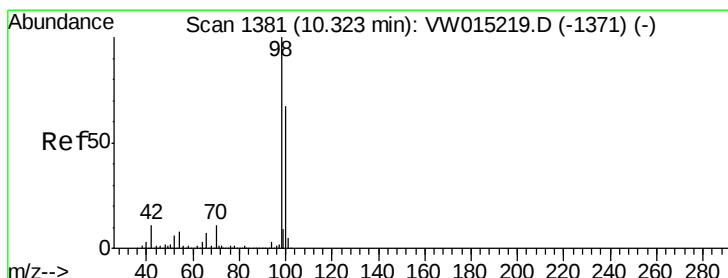
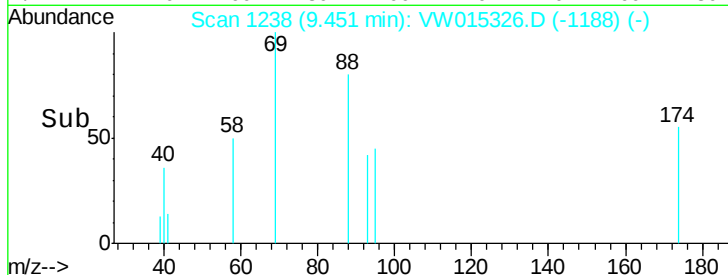
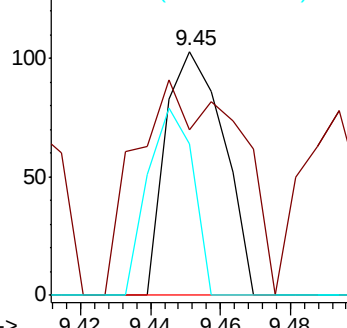
88 100

43 154.6 23.5 35.3#

58 59.7 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.300 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015326.D

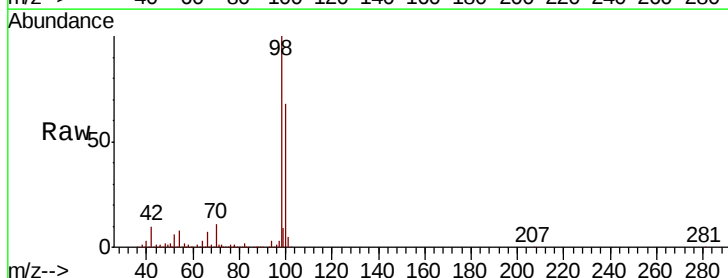
Acq: 23 Apr 2020 12:33

Tgt Ion: 98 Resp: 371708

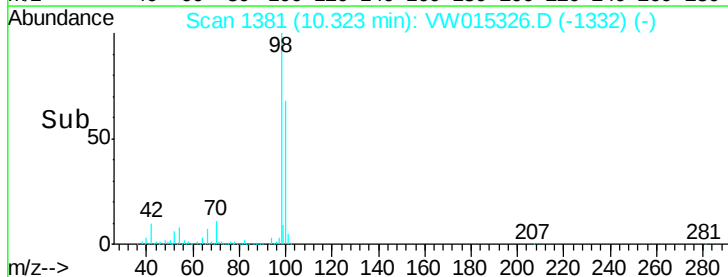
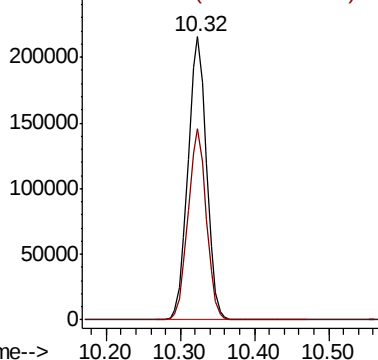
Ion Ratio Lower Upper

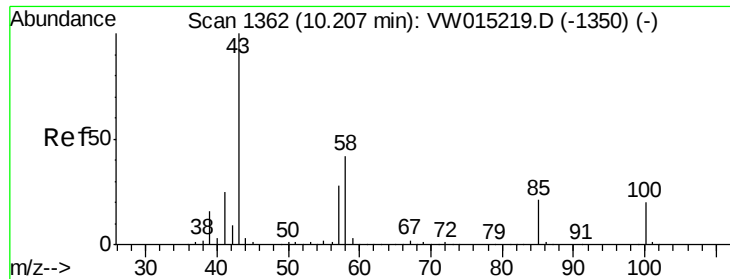
98 100

100 66.6 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 1.736 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

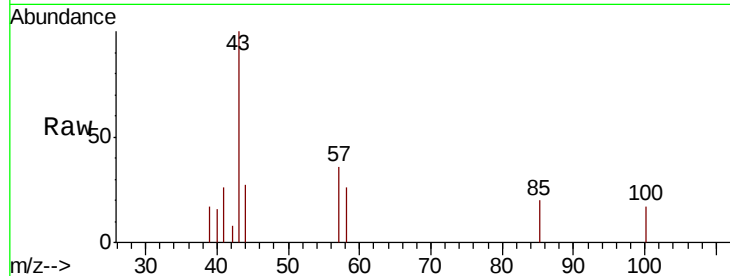
ClientSampled :

Tot Ion: 43 Resp: 1557

Ion Ratio Lower Upper

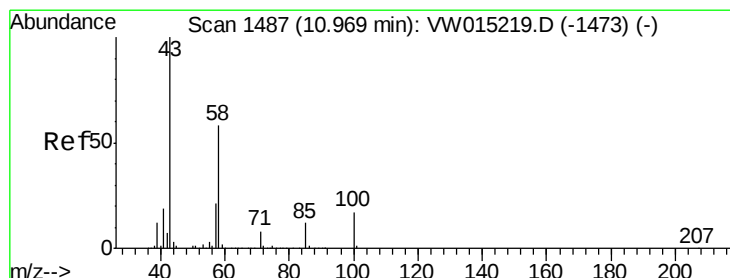
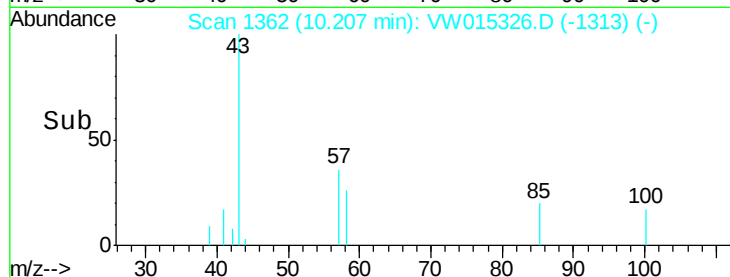
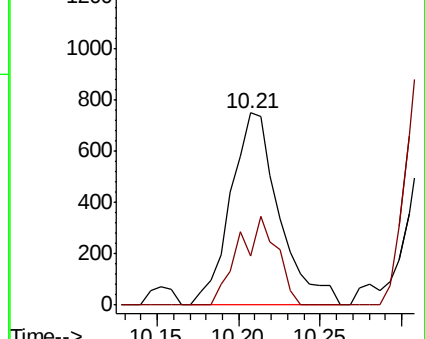
43 100

58 36.7 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 1.237 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015326.D

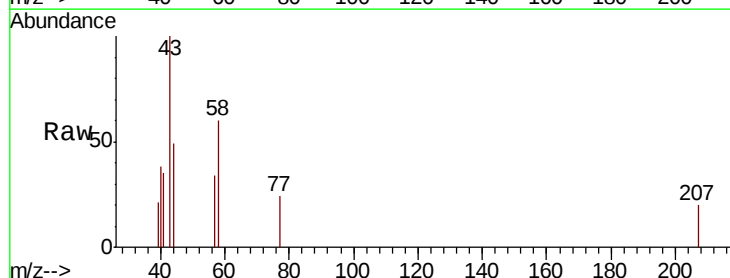
Acq: 23 Apr 2020 12:33

Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

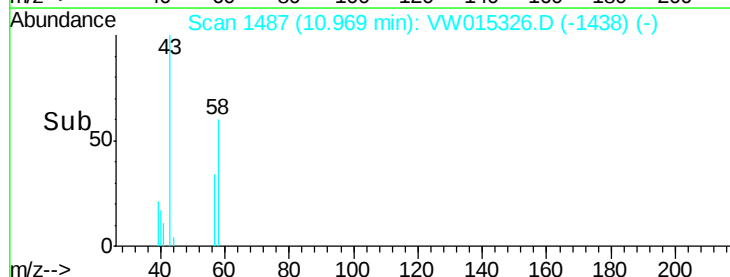
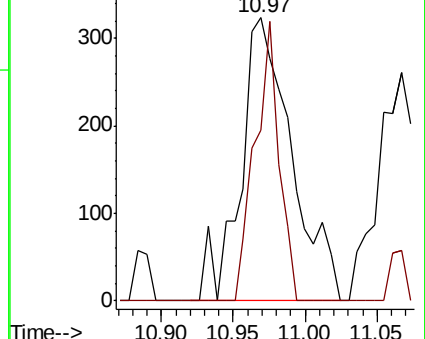
43 100

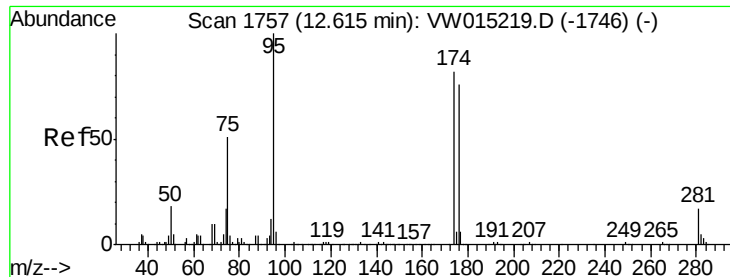
58 46.2 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

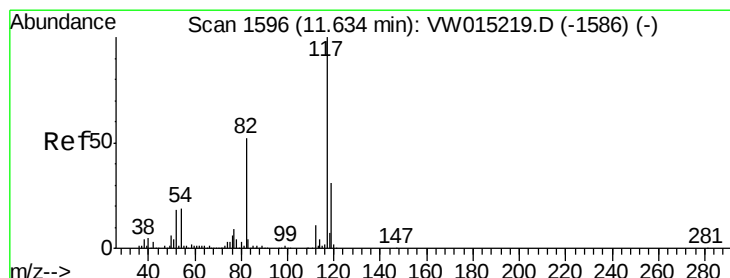
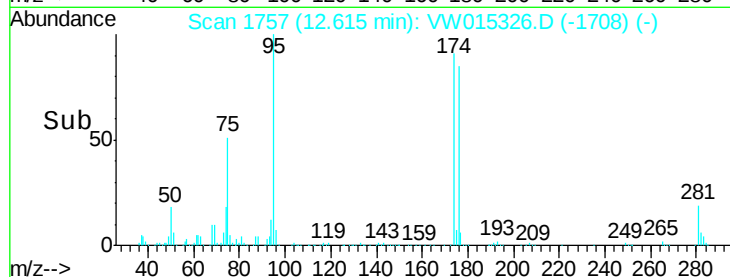
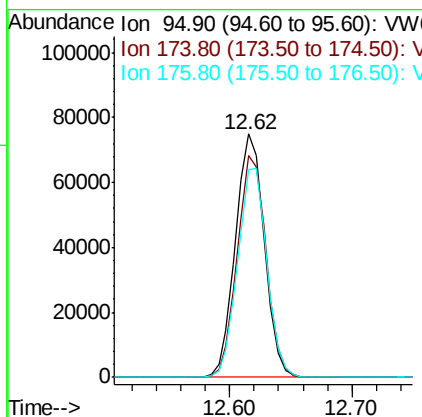
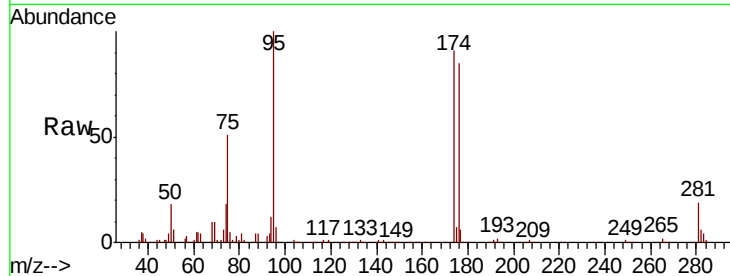




#62
4-Bromofluorobenzene
Concen: 44.207 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015326.D
Acq: 23 Apr 2020 12:33

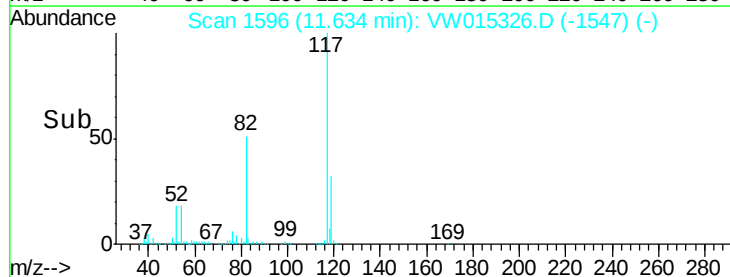
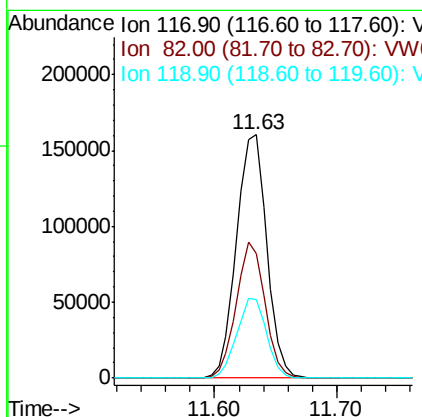
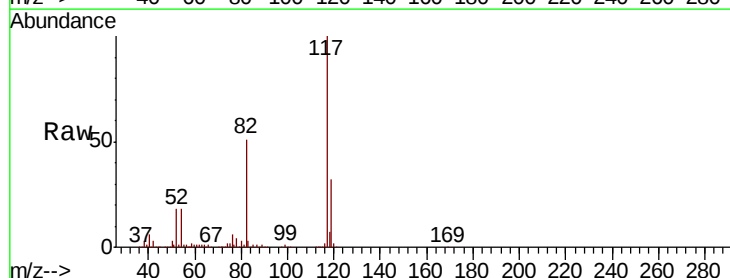
Instrument :
MSVOA_W
ClientSampleId :

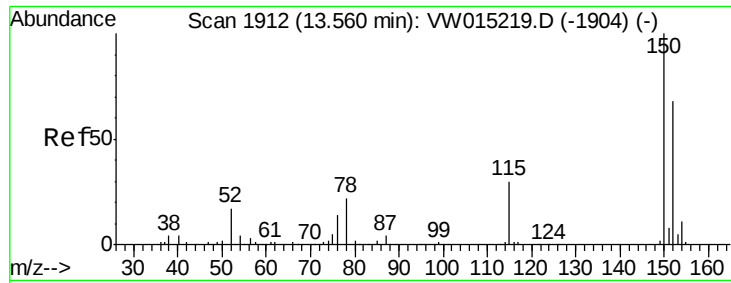
Tot Ion: 95 Resp: 122214
Ion Ratio Lower Upper
95 100
174 91.2 0.0 144.4
176 87.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015326.D
Acq: 23 Apr 2020 12:33

Tgt Ion: 117 Resp: 275008
Ion Ratio Lower Upper
117 100
82 50.9 44.1 66.1
119 32.3 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015326.D

Acq: 23 Apr 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

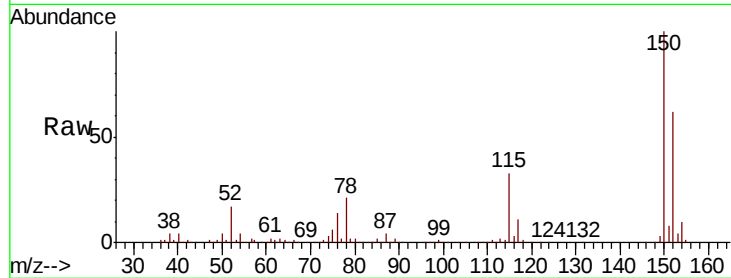
Tot Ion:152 Resp: 118298

Ion Ratio Lower Upper

152 100

115 55.9 31.3 93.9

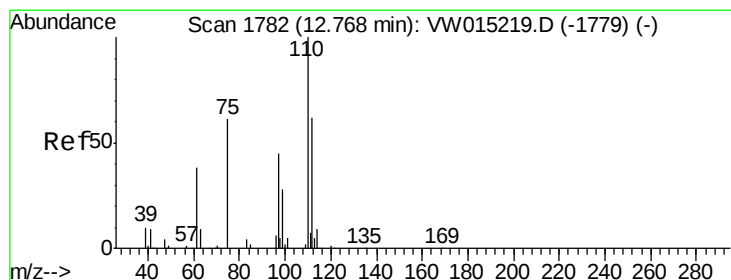
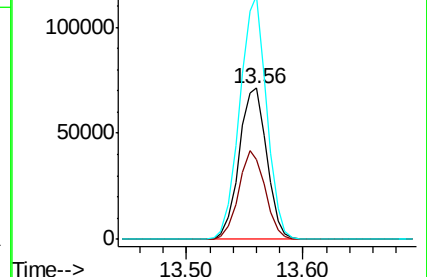
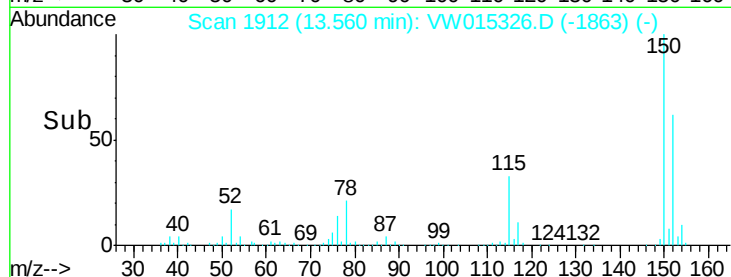
150 155.7 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 66.848 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015326.D

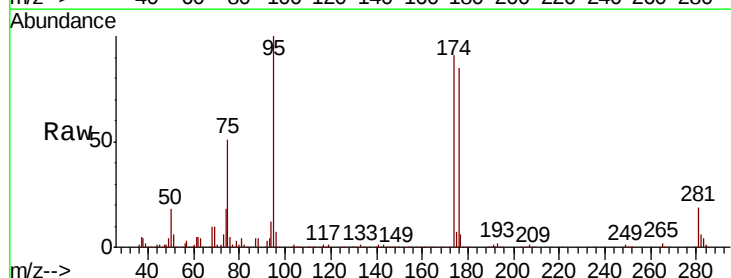
Acq: 23 Apr 2020 12:33

Tgt Ion: 75 Resp: 61177

Ion Ratio Lower Upper

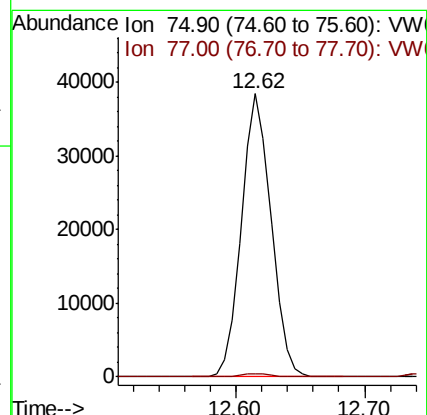
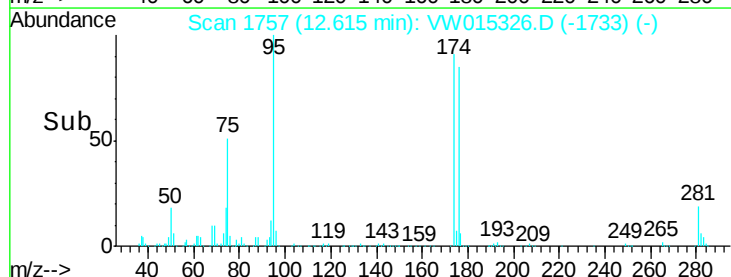
75 100

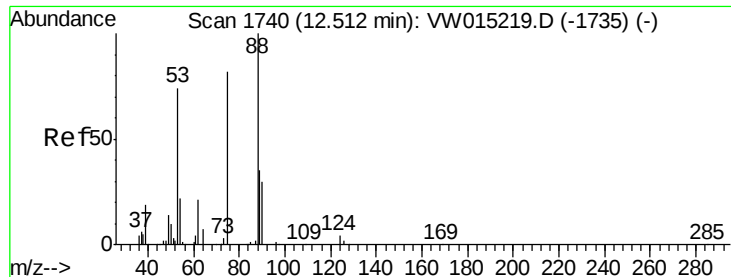
77 1.2 0.0 0.0#



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: 146.131 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015326.D
 Acq: 23 Apr 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 61177
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.2 34.8 52.2#

