

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015429.D
 Acq On : 15 May 2020 13:09
 Operator : SY/VA
 Sample : VW0515SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:47:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	113494	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	7.88	113	100122	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.32	98	416244	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.62	95	140032	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

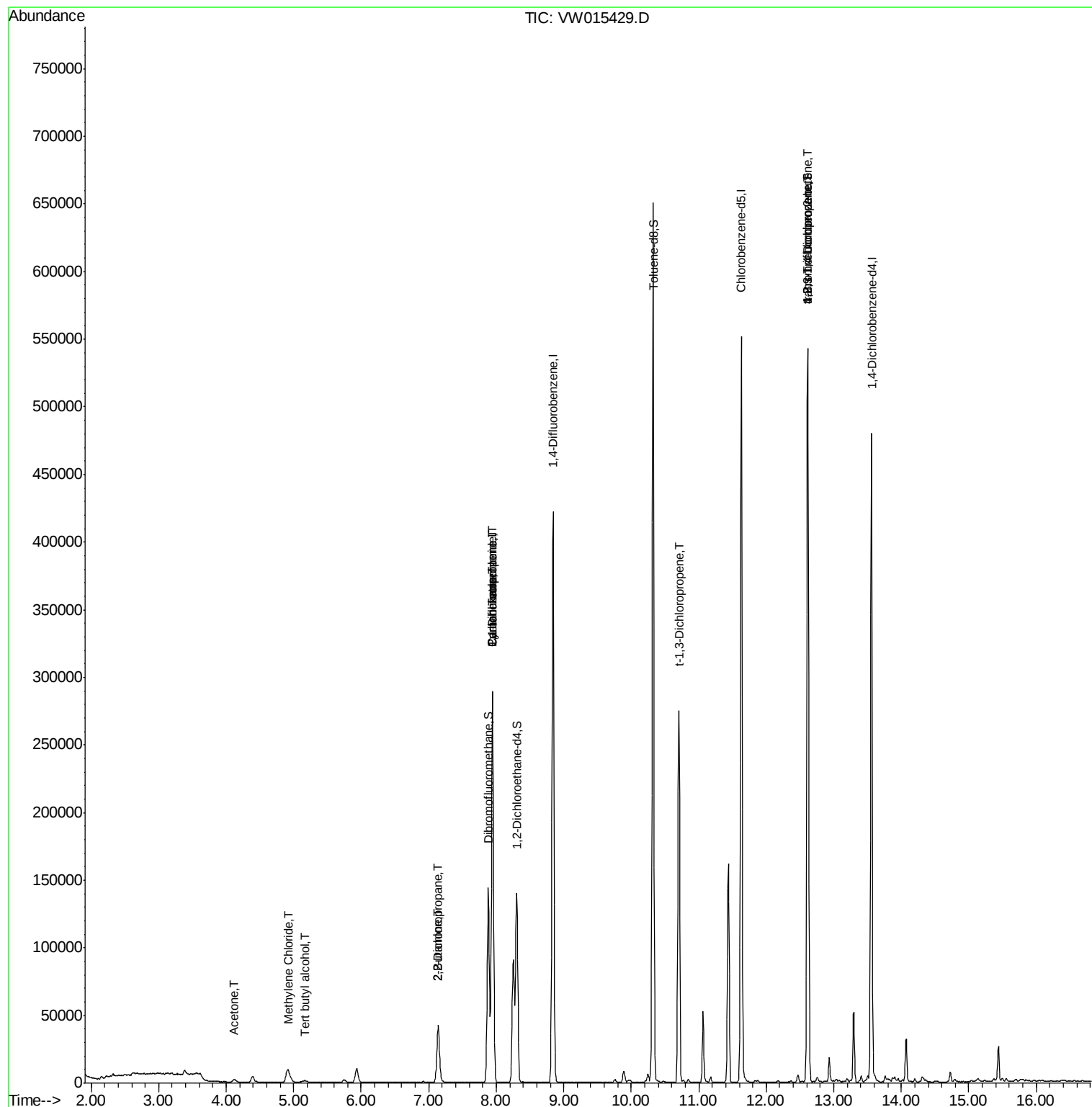
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	2532	19.114	ug/l #	83
16) Acetone	4.12	43	4037	11.312	ug/l #	81
20) Methylene Chloride	4.92	84	8165	3.507	ug/l	96
25) 2-Butanone	7.13	43	2965	5.330	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	2780	1.012	ug/l #	54
31) Cyclohexane	7.95	56	5244	1.246	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17609	5.194	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21593	6.813	ug/l #	17
53) t-1,3-Dichloropropene	10.70	75	4441	1.405	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	76428	76.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76428	150.758	ug/l #	9

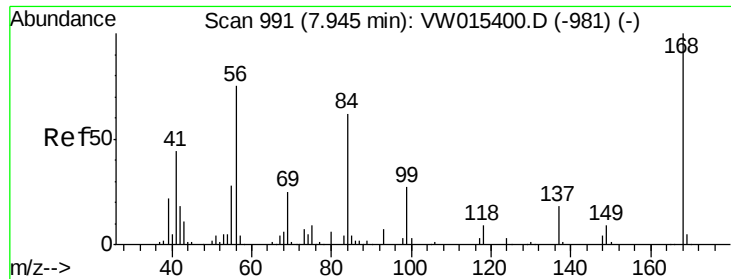
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051520\
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Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

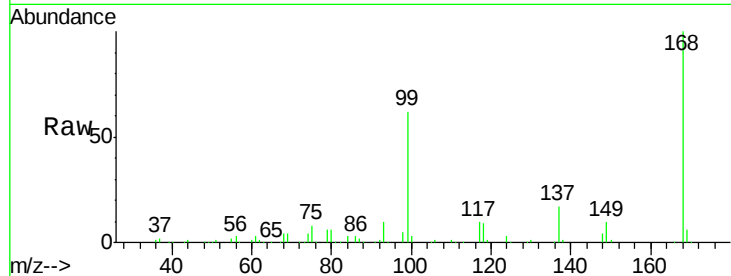
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 208979

Ion Ratio Lower Upper

168 100

99 61.8 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

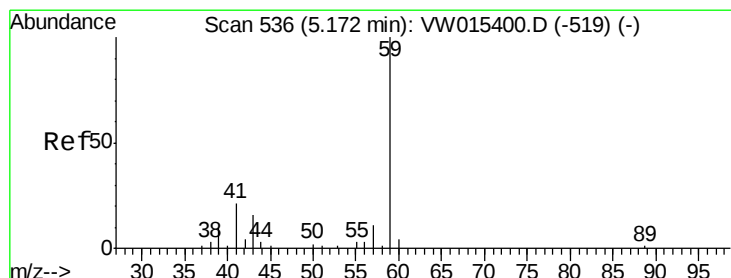
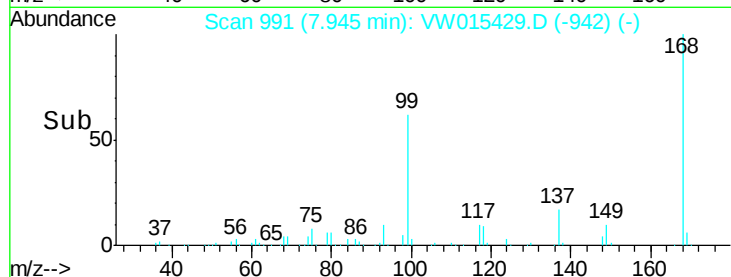
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 19.114 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015429.D

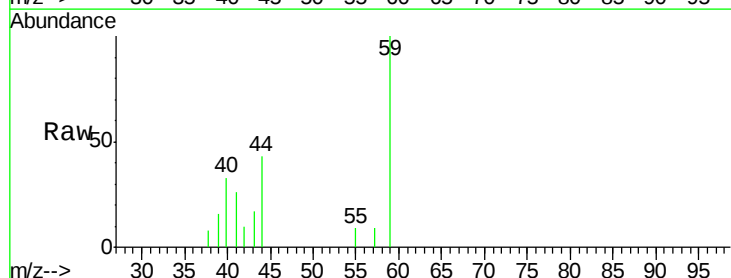
Acq: 15 May 2020 13:09

Tgt Ion: 59 Resp: 2532

Ion Ratio Lower Upper

59 100

57 4.3 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

800

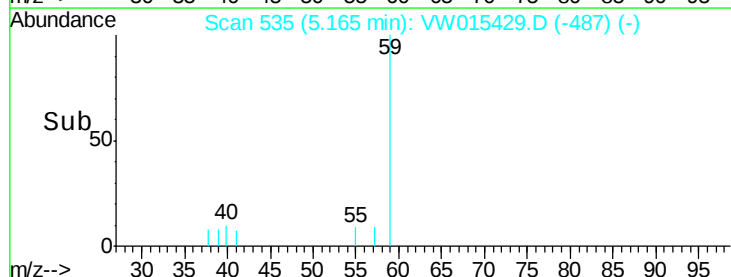
600

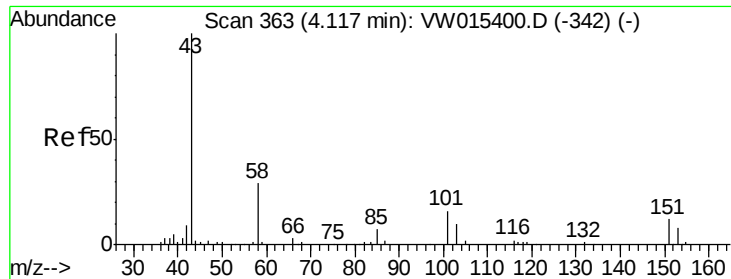
400

200

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 11.312 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

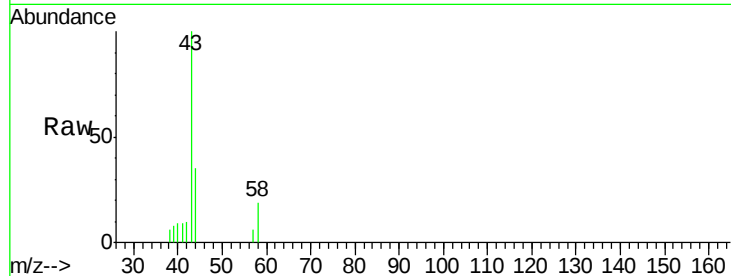
ClientSampled :

Tot Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

58 19.2 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

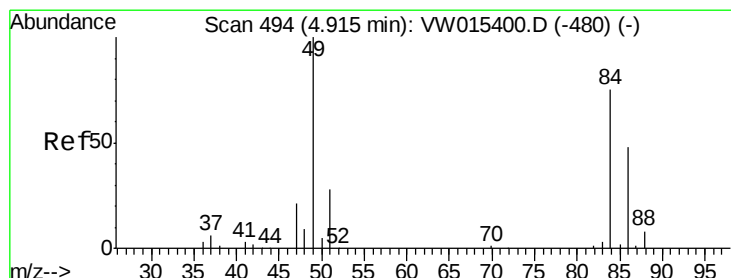
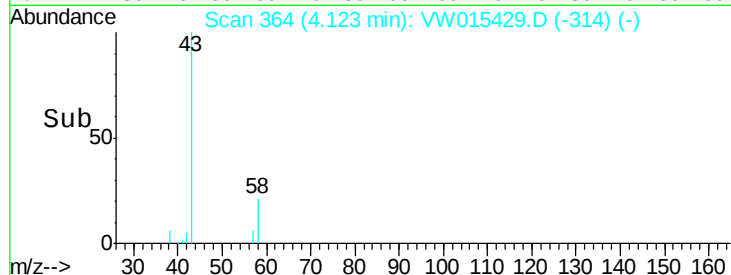
1500

1000

500

0

Time--> 4.00 4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 3.507 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Tgt Ion: 84 Resp: 8165

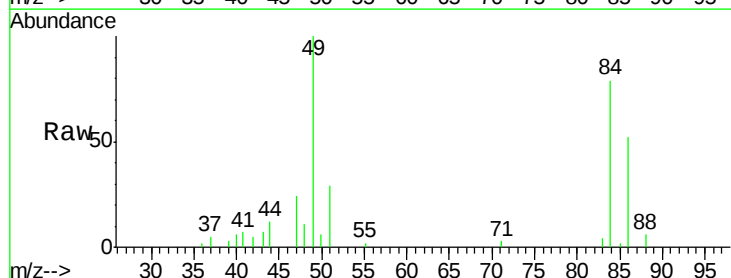
Ion Ratio Lower Upper

84 100

49 126.0 106.4 159.6

51 36.4 30.2 45.2

86 65.1 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.92

4000

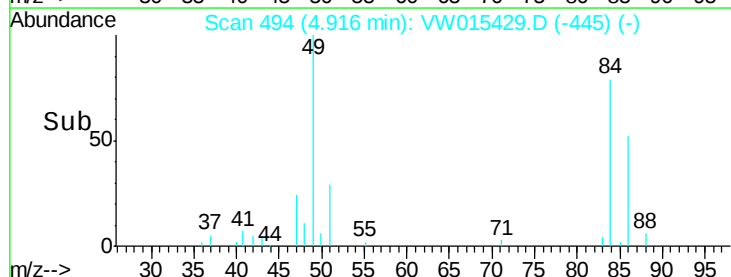
3000

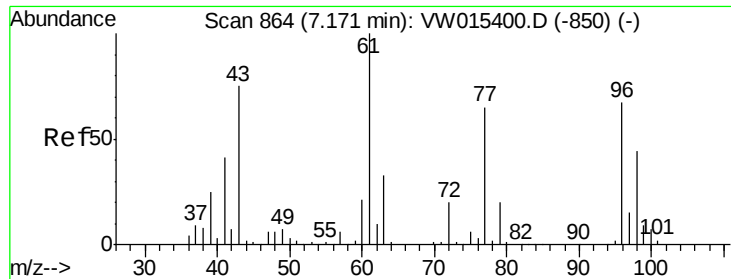
2000

1000

0

Time--> 4.80 4.90 5.00





#25

2-Butanone

Concen: 5.330 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

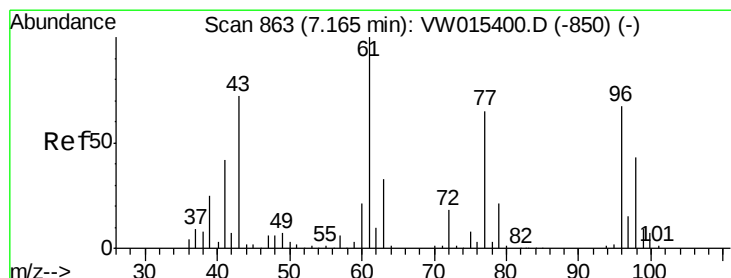
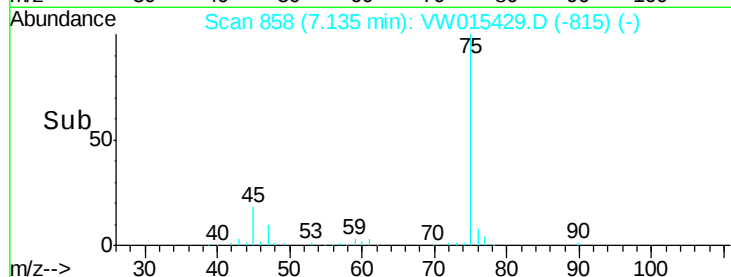
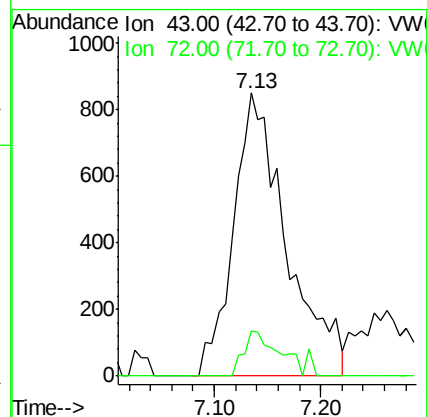
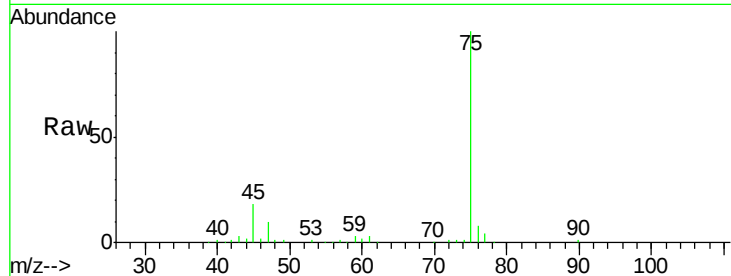
ClientSampled :

Tot Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

72 16.0 21.4 32.0#



#26

2,2-Dichloropropane

Concen: 1.012 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW015429.D

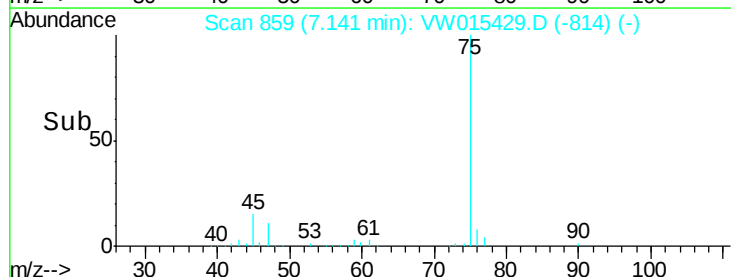
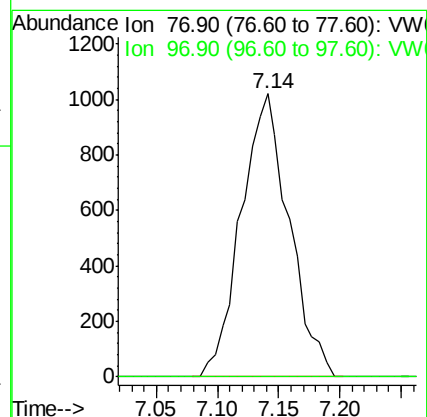
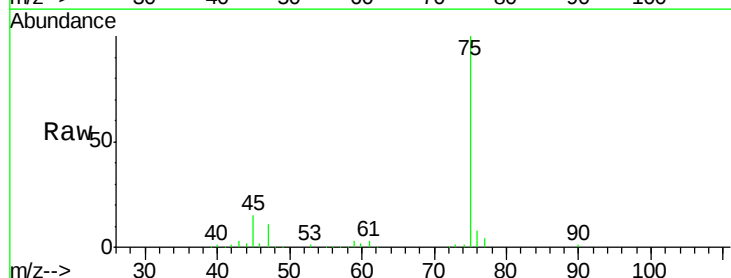
Acq: 15 May 2020 13:09

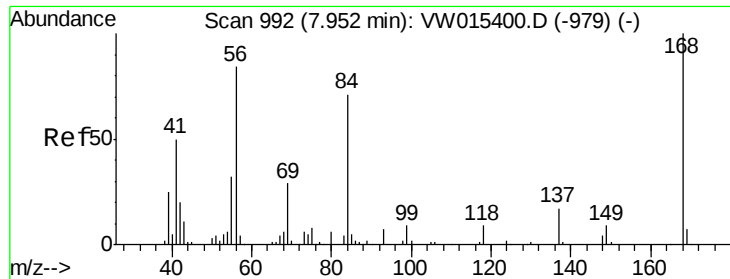
Tgt Ion: 77 Resp: 2780

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#

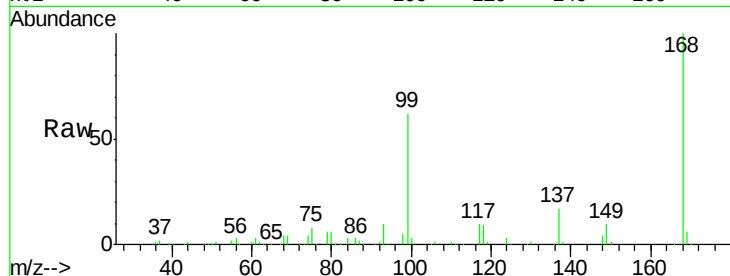




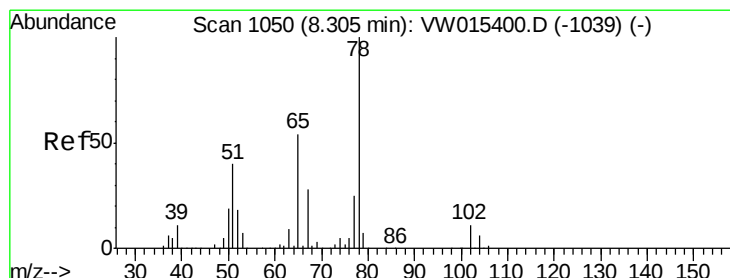
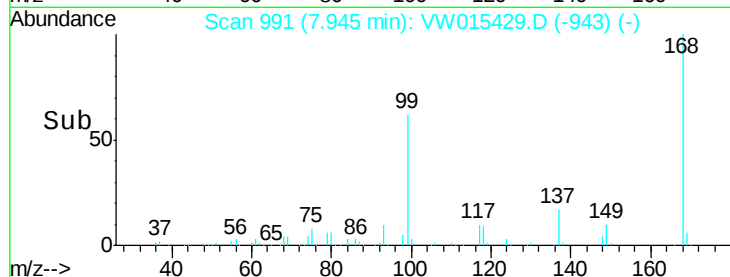
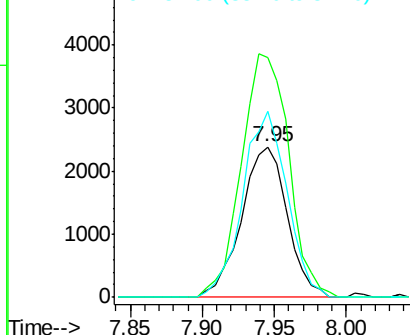
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015429.D
Acq: 15 May 2020 13:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5244
Ion Ratio Lower Upper
56 100
69 159.5 27.2 40.8#
84 123.5 67.7 101.5#

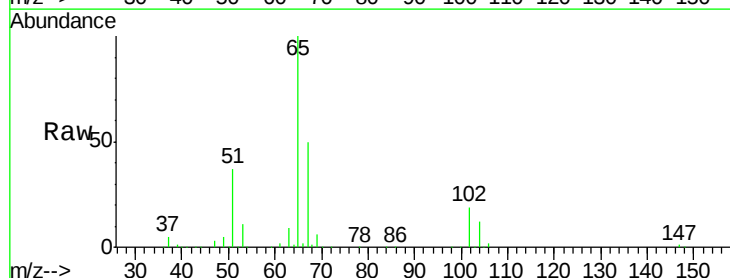


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

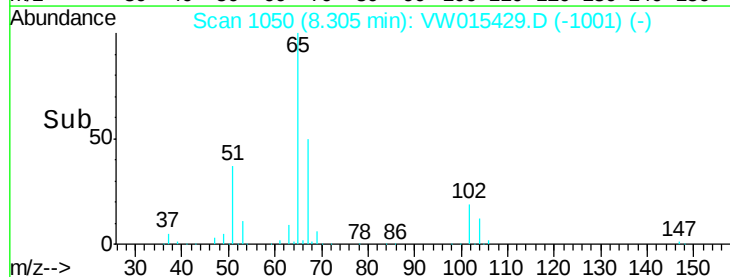
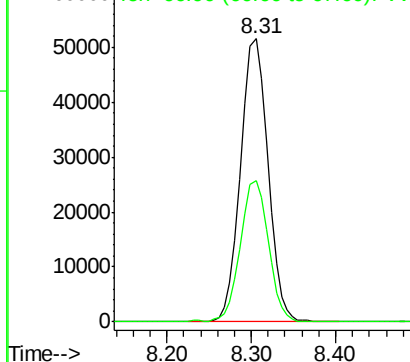


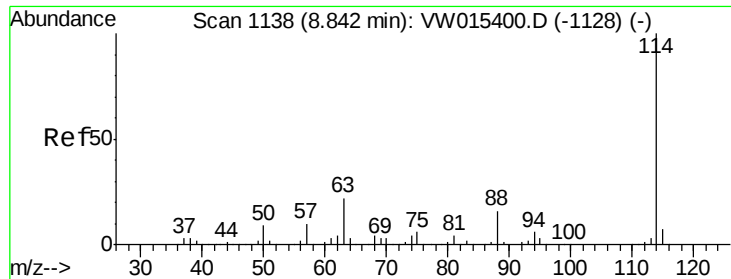
#33
1,2-Dichloroethane-d4
Concen: 49.405 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW015429.D
Acq: 15 May 2020 13:09

Tgt Ion: 65 Resp: 113494
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

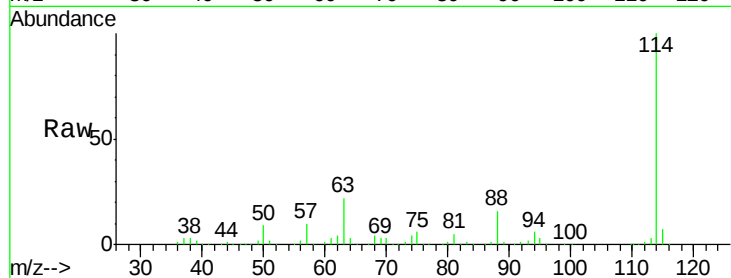




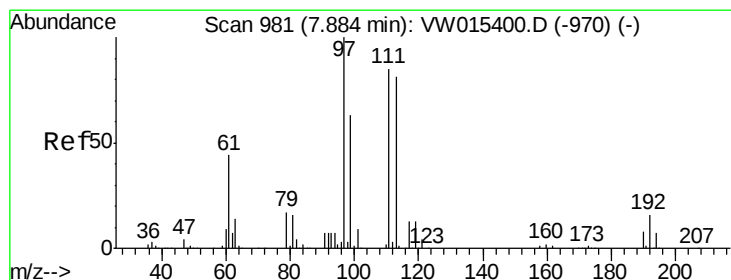
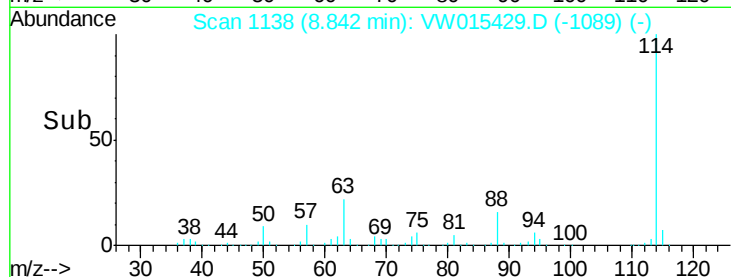
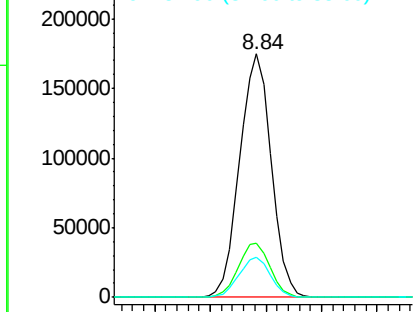
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015429.D
 Acq: 15 May 2020 13:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 345056
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.2 0.0 31.8

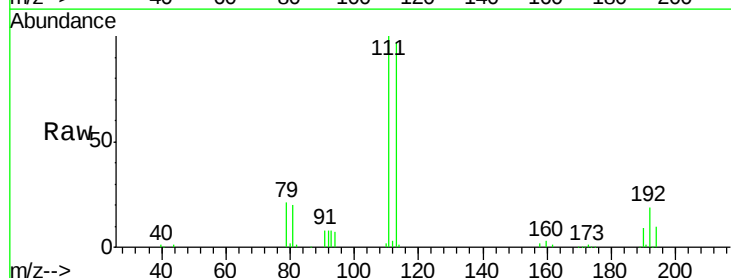


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

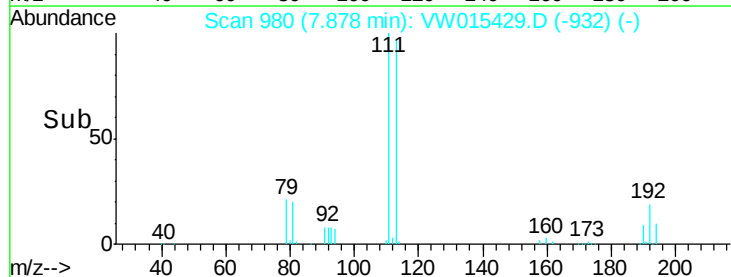
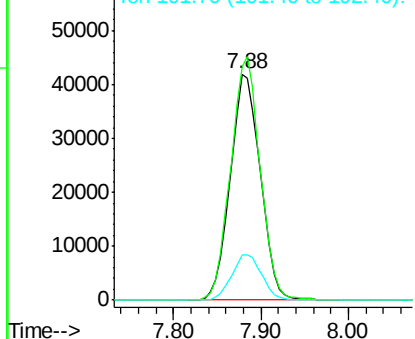


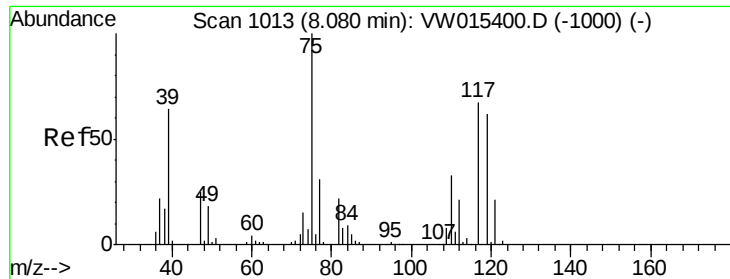
#35
 Dibromofluoromethane
 Concen: 50.554 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW015429.D
 Acq: 15 May 2020 13:09

Tgt Ion:113 Resp: 100122
 Ion Ratio Lower Upper
 113 100
 111 105.7 82.9 124.3
 192 20.0 15.4 23.0



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: 5.194 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

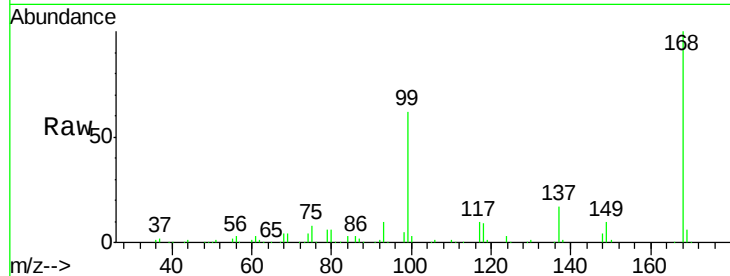
Tot Ion: 75 Resp: 17609

Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.8#

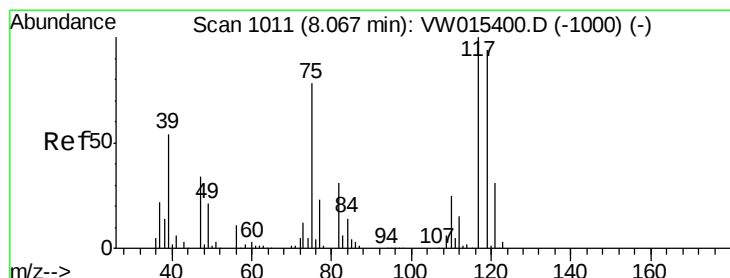
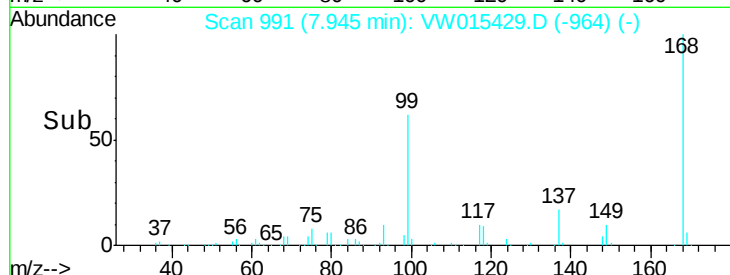
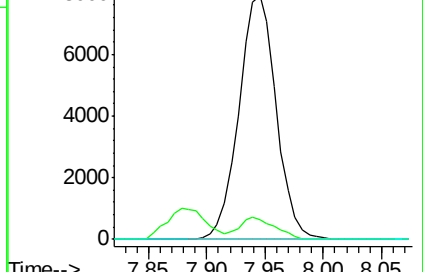
77 0.0 24.5 36.7#



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: 6.813 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

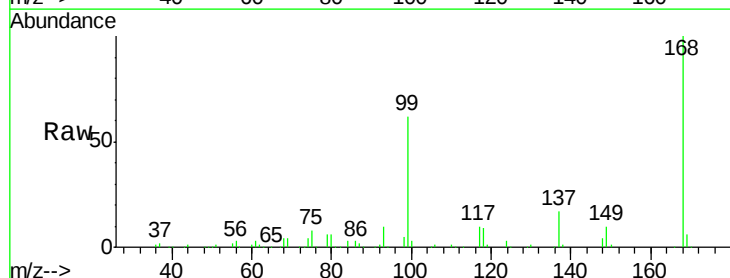
Tgt Ion: 117 Resp: 21593

Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

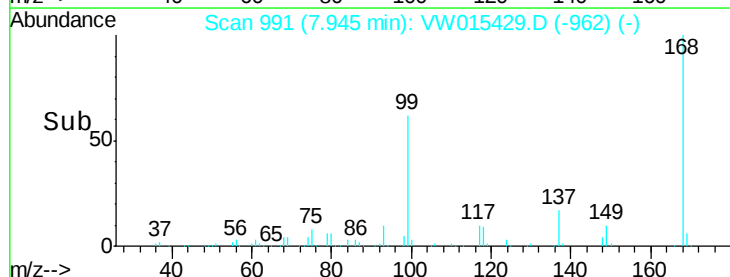
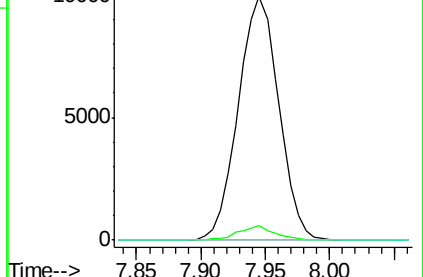
121 0.0 24.8 37.2#

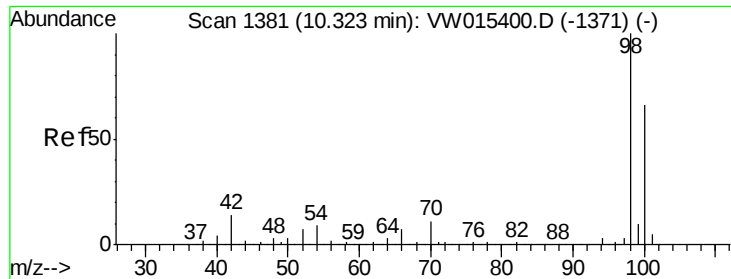


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.787 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

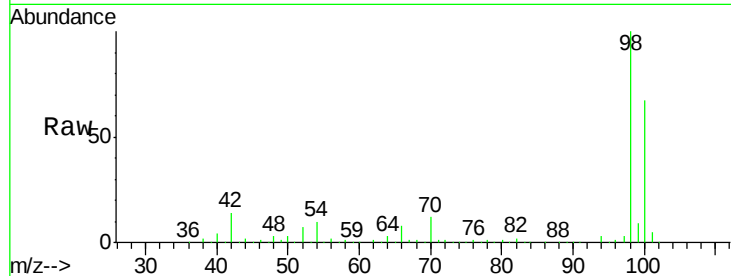
ClientSampled :

Tot Ion: 98 Resp: 416244

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

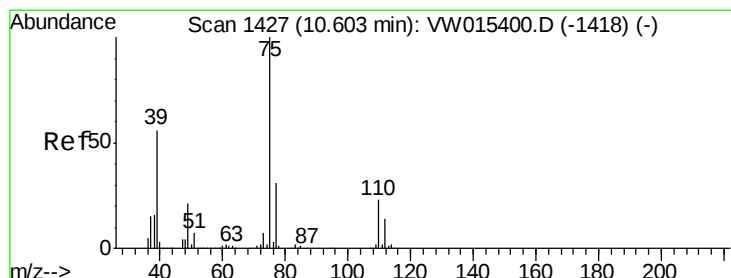
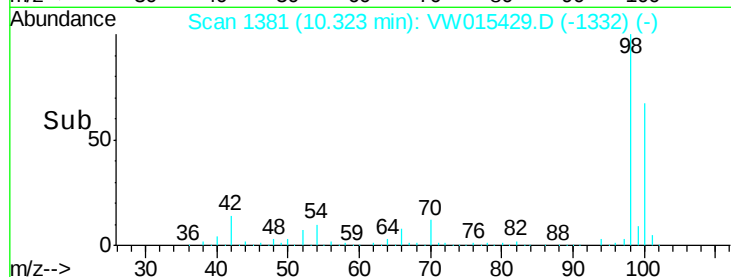
100000

50000

0

10.20 10.30 10.40 10.50

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.405 ug/l

RT: 10.70 min Scan# 1443

Delta R.T. 0.10 min

Lab File: VW015429.D

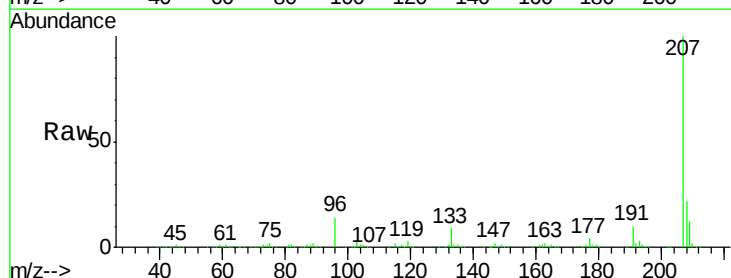
Acq: 15 May 2020 13:09

Tgt Ion: 75 Resp: 4441

Ion Ratio Lower Upper

75 100

77 7.9 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

3000

2500

2000

1500

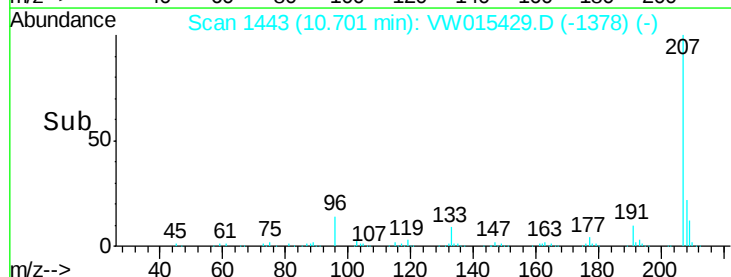
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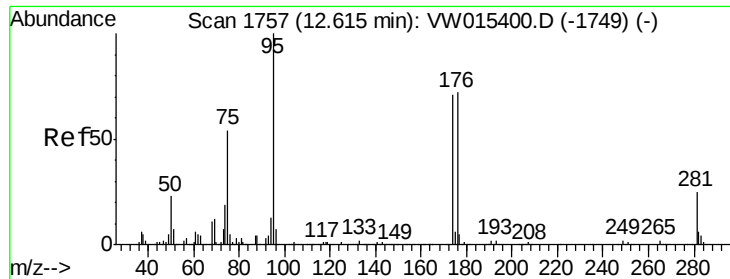
500

0

10.65 10.70 10.75

Time-->

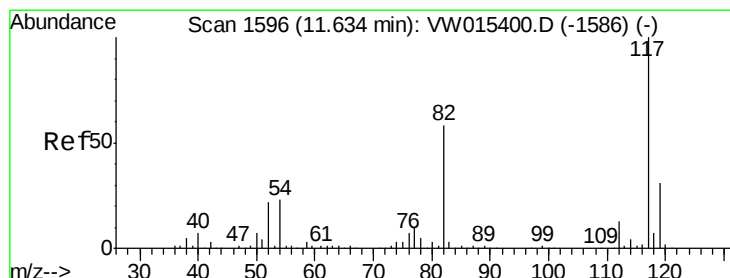
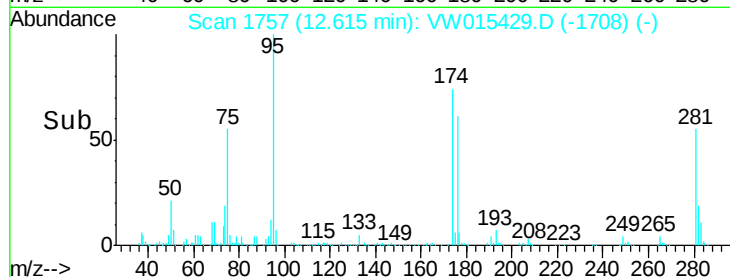
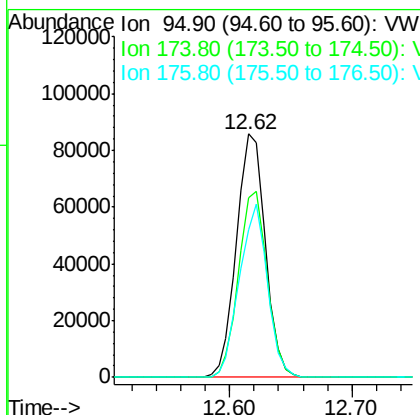
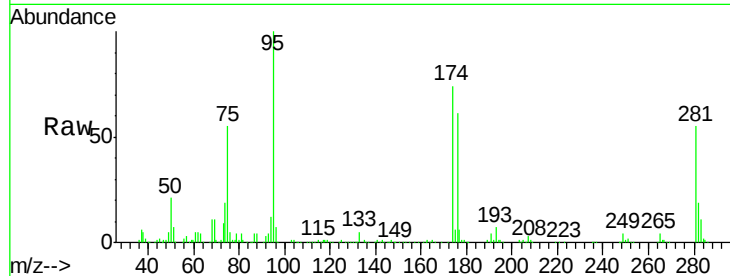




#62
4-Bromofluorobenzene
Concen: 46.270 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015429.D
Acq: 15 May 2020 13:09

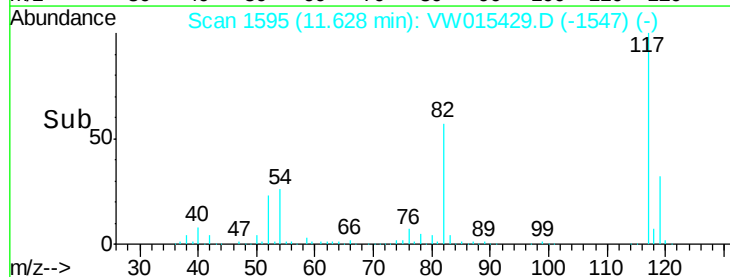
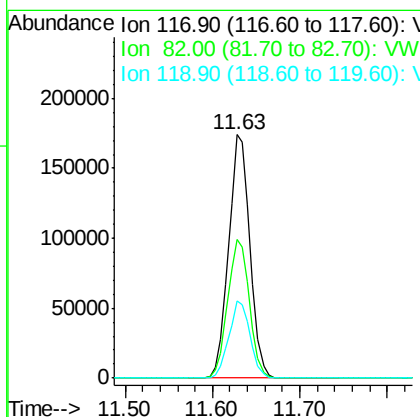
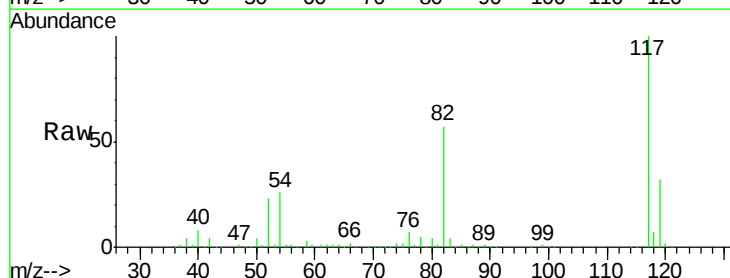
Instrument :
MSVOA_W
ClientSampled :

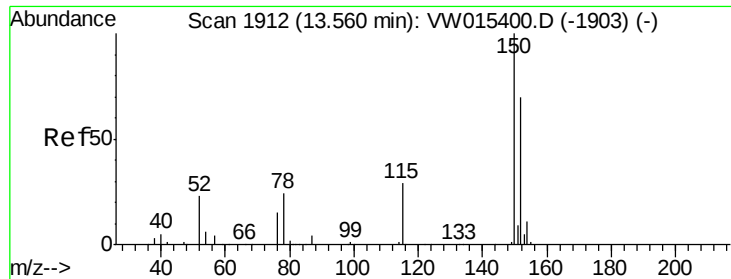
Tot Ion: 95 Resp: 140032
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.6
176 69.1 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015429.D
Acq: 15 May 2020 13:09

Tgt Ion: 117 Resp: 294727
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 31.9 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

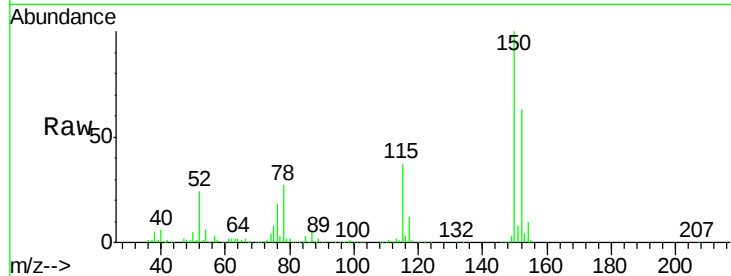
Tot Ion:152 Resp: 121896

Ion Ratio Lower Upper

152 100

115 61.6 30.3 90.8

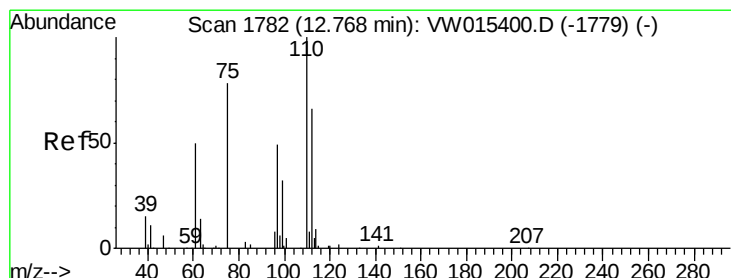
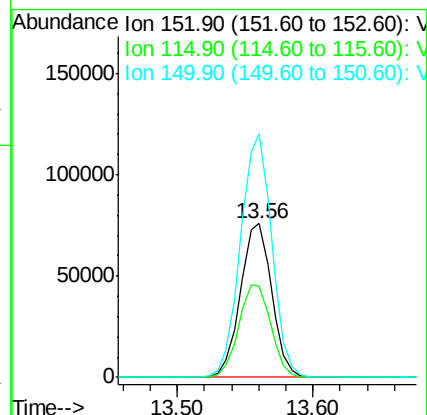
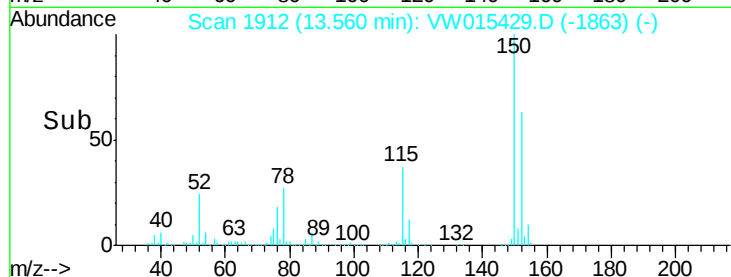
150 158.2 0.0 344.4



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: 76.217 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015429.D

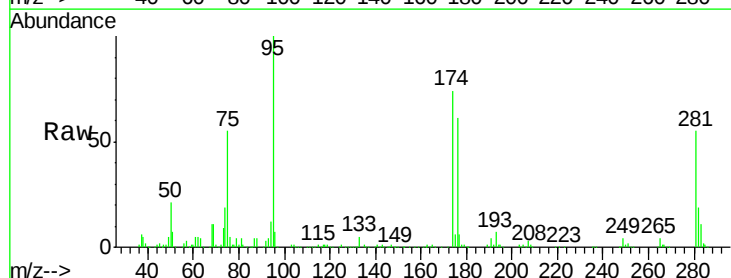
Acq: 15 May 2020 13:09

Tgt Ion: 75 Resp: 76428

Ion Ratio Lower Upper

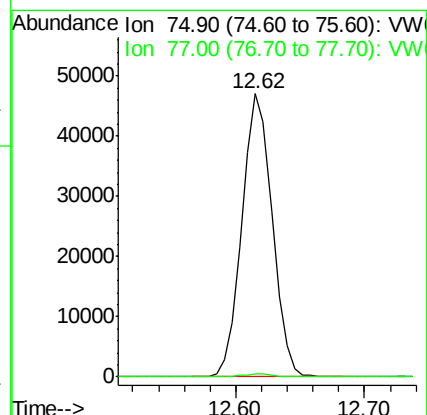
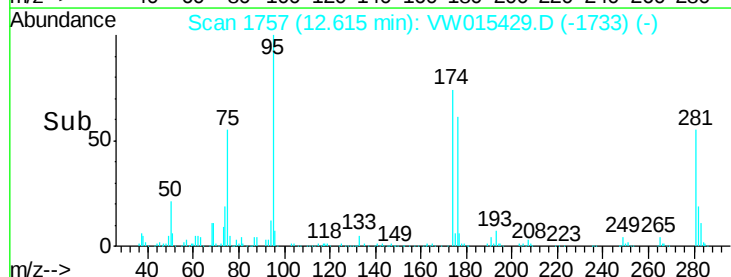
75 100

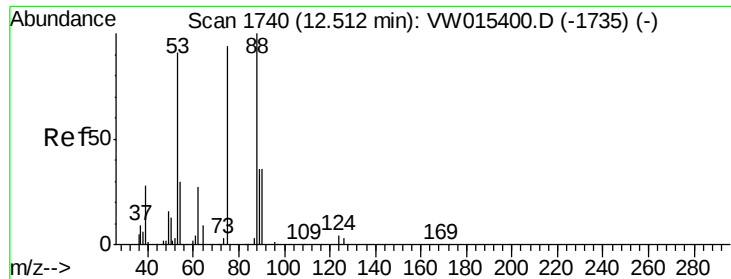
77 1.3 0.0 0.0#



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: 150.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015429.D

Acq: 15 May 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

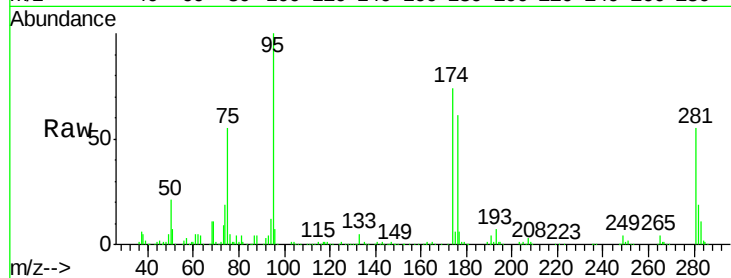
Tot Ion: 75 Resp: 76428

Ion Ratio Lower Upper

75 100

53 0.0 82.5 123.7#

89 0.6 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

