

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010879.D
 Acq On : 20 Jun 2019 06:42
 Operator : SY/VA
 Sample : K3447-07
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DISPENSER-1

Quant Time: Jun 20 07:29:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	165077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	124919	64.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.40%	
35) Dibromofluoromethane	7.88	113	12479	7.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.28%	
50) Toluene-d8	10.32	98	317144	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.62	95	95560	36.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.36%	

Target Compounds

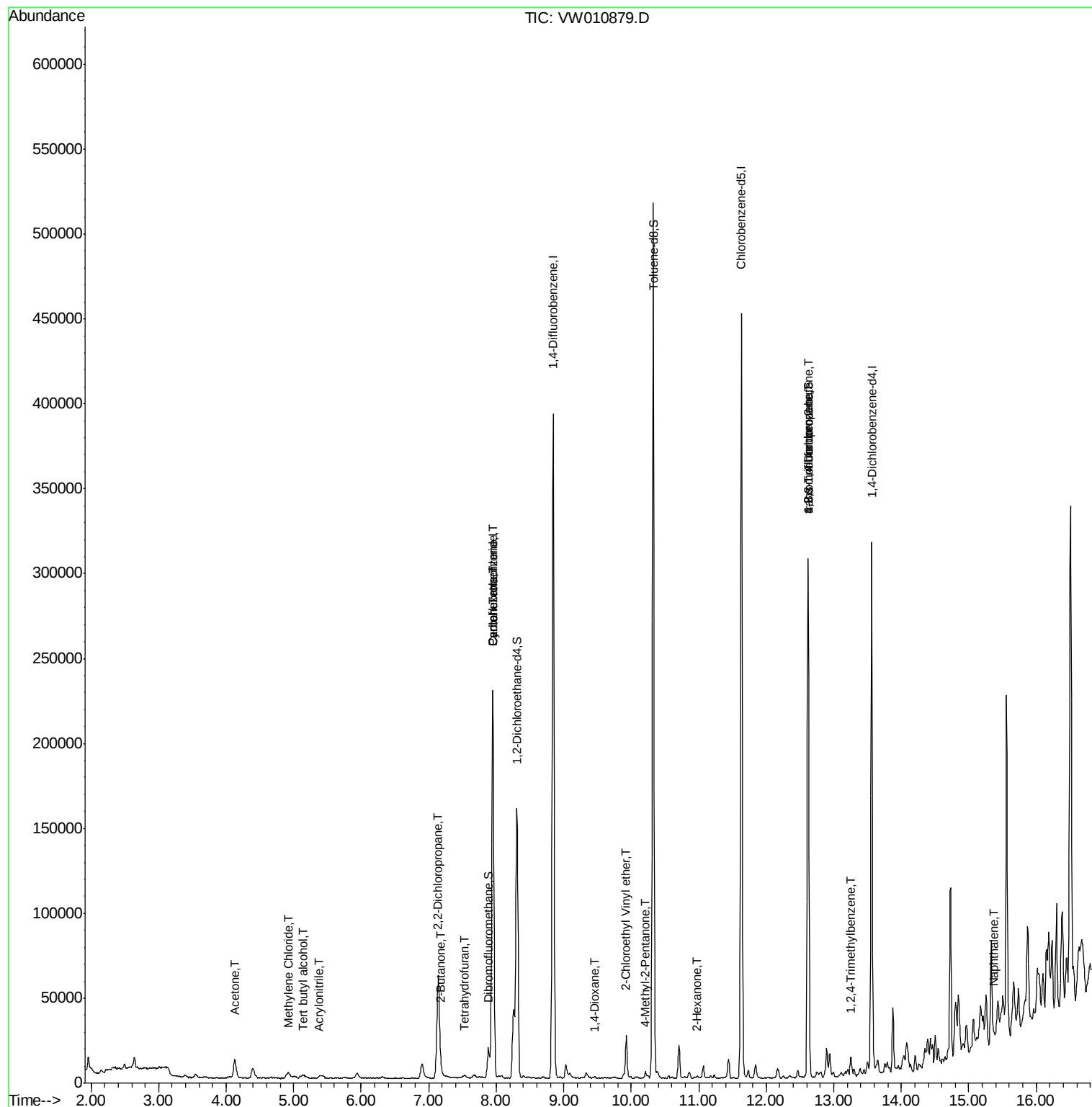
						Qvalue
11) Tert butyl alcohol	5.14	59	1793	11.311	ug/l #	72
15) Acrylonitrile	5.38	53	1157	2.476	ug/l #	84
16) Acetone	4.13	43	20415	39.158	ug/l	100
20) Methylene Chloride	4.92	84	2152	1.177	ug/l #	80
25) 2-Butanone	7.18	43	2704	3.740	ug/l	96
26) 2,2-Dichloropropane	7.14	77	4221	1.469	ug/l #	55
29) Tetrahydrofuran	7.54	42	1287	2.830	ug/l	98
31) Cyclohexane	7.95	56	5778	1.472	ug/l #	31
38) Carbon Tetrachloride	7.95	117	16326	6.143	ug/l #	17
49) 1,4-Dioxane	9.46	88	49	3.035	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2819	1.674	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.93	63	10534	8.786	ug/l	96
59) 2-Hexanone	10.97	43	1263	1.038	ug/l	83
76) 1,2,3-Trichloropropane	12.62	75	53990	71.603	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53990	164.567	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.26	105	6245	1.405	ug/l	96
95) Naphthalene	15.37	128	4183	1.606	ug/l #	90

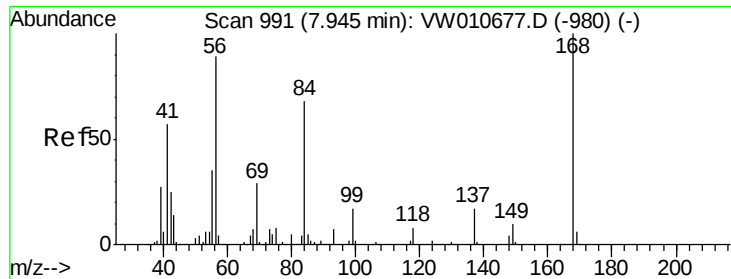
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 03:21:19 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

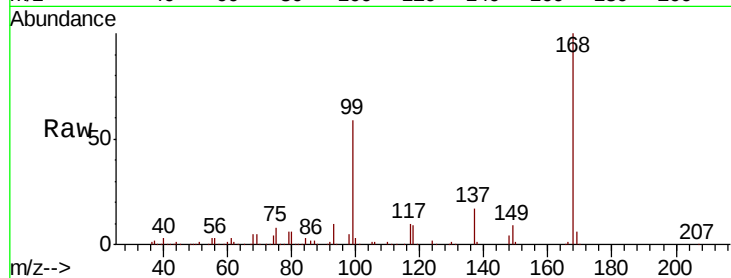
DISPENSER-1

Tot Ion:168 Resp: 165077

Ion Ratio Lower Upper

168 100

99 58.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

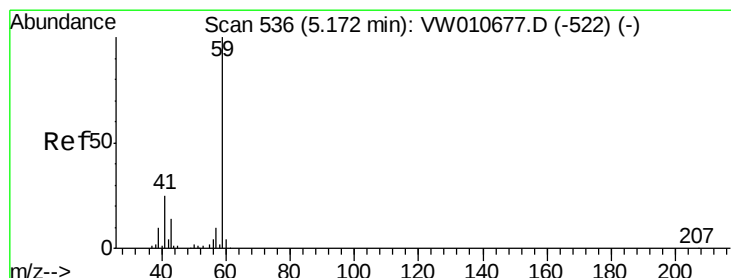
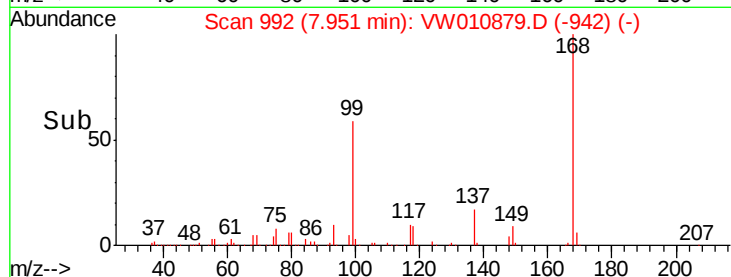
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 11.311 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW010879.D

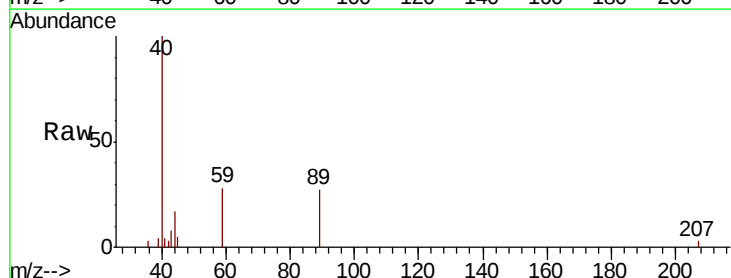
Acq: 20 Jun 2019 06:42

Tgt Ion: 59 Resp: 1793

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

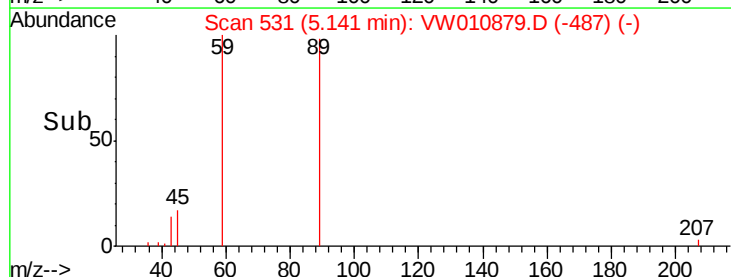
600

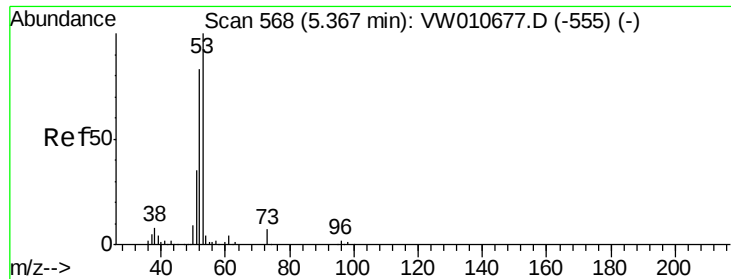
400

200

0

Time--> 5.10 5.15 5.20 5.25





#15

Acrylonitrile

Concen: 2.476 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

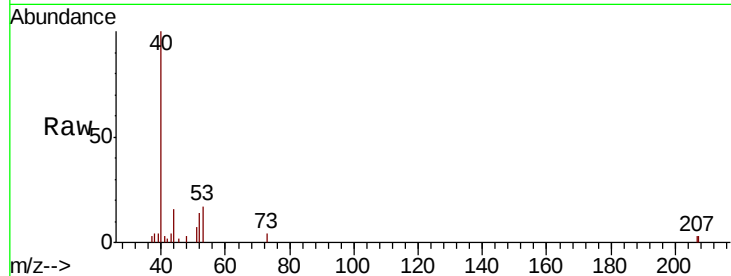
Tot Ion: 53 Resp: 1157

Ion Ratio Lower Upper

53 100

52 75.6 66.6 100.0

51 18.7 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

5.38

400

300

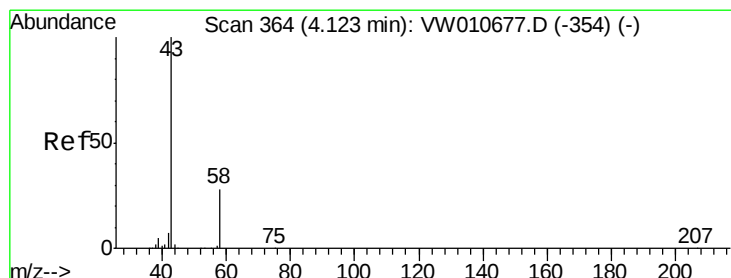
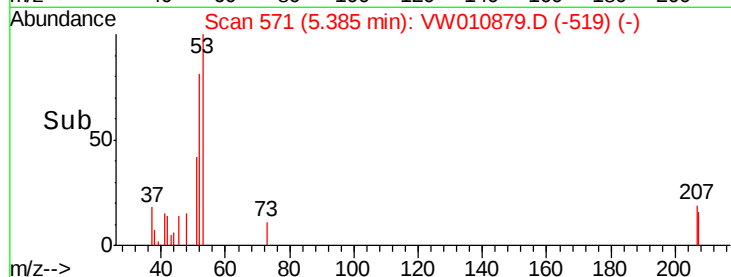
200

100

0

5.30 5.35 5.40 5.45

Time-->



#16

Acetone

Concen: 39.158 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010879.D

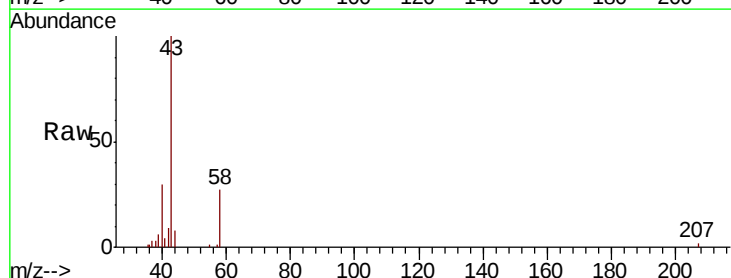
Acq: 20 Jun 2019 06:42

Tgt Ion: 43 Resp: 20415

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

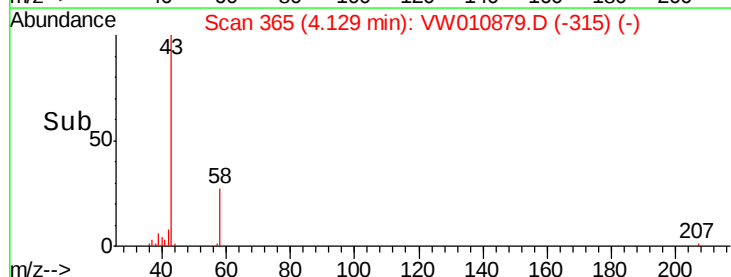
4000

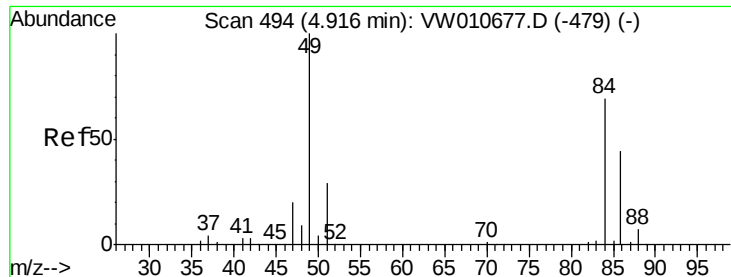
2000

0

4.05 4.10 4.15 4.20 4.25

Time-->

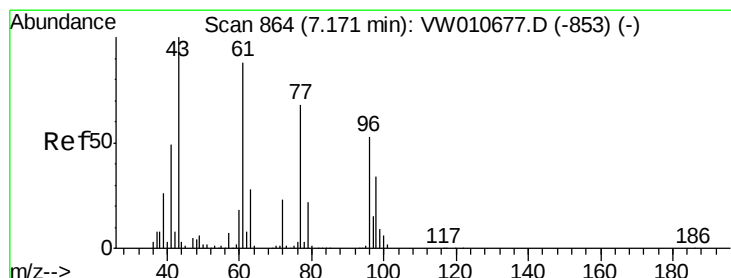
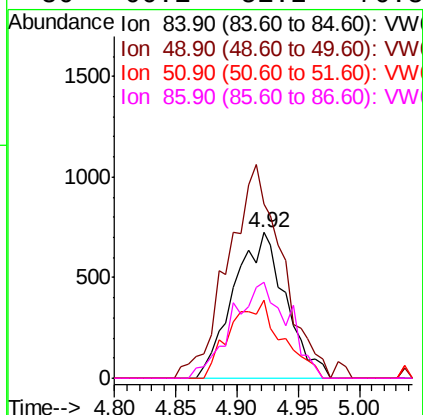
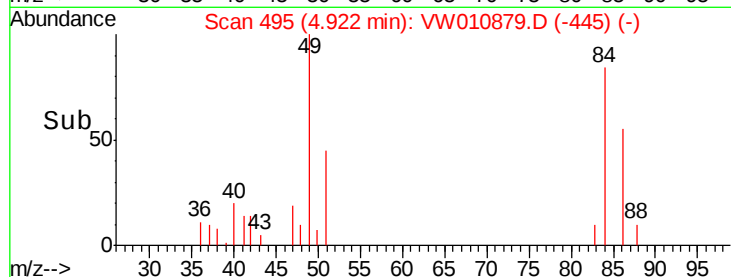
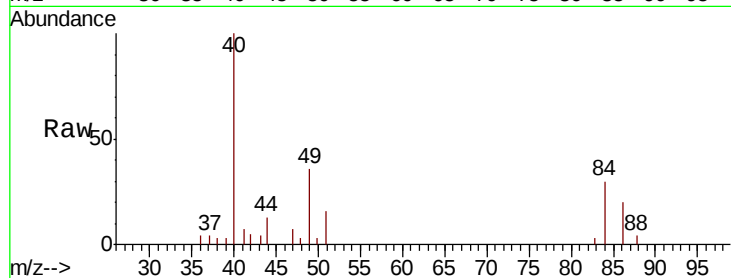




#20
Methvlene Chloride
Concen: 1.177 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

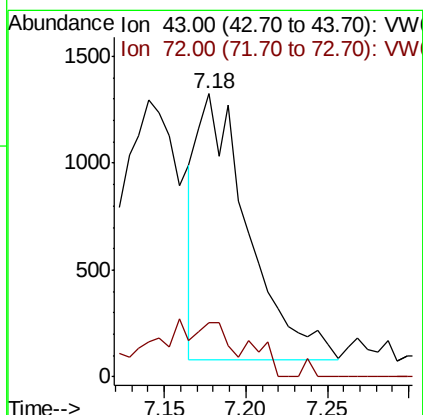
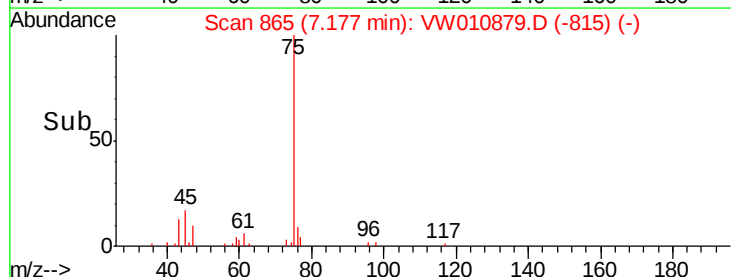
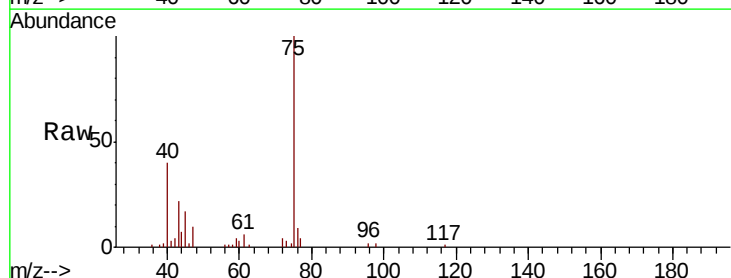
Instrument :
MSVOA_W
ClientSampleId :
DISPENSER-1

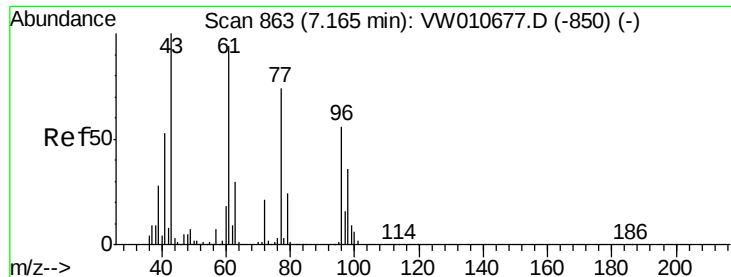
Tot Ion: 84 Resp: 2152
Ion Ratio Lower Upper
84 100
49 110.2 116.7 175.1#
51 53.5 34.2 51.2#
86 66.1 51.2 76.8



#25
2-Butanone
Concen: 3.740 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

Tgt Ion: 43 Resp: 2704
Ion Ratio Lower Upper
43 100
72 20.7 18.1 27.1





#26

2,2-Dichloropropane

Concen: 1.469 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

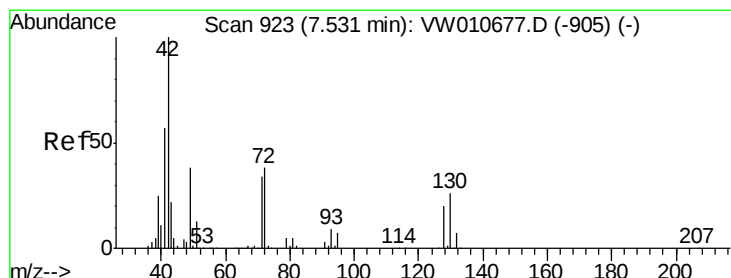
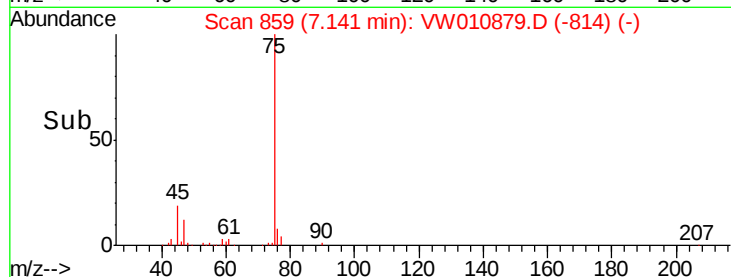
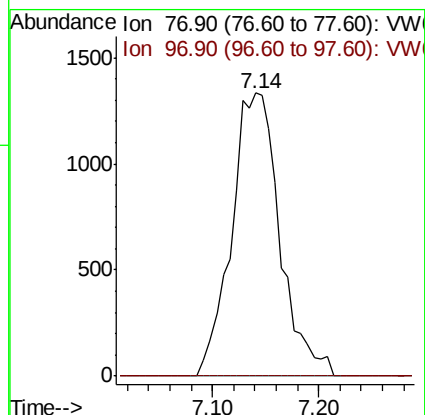
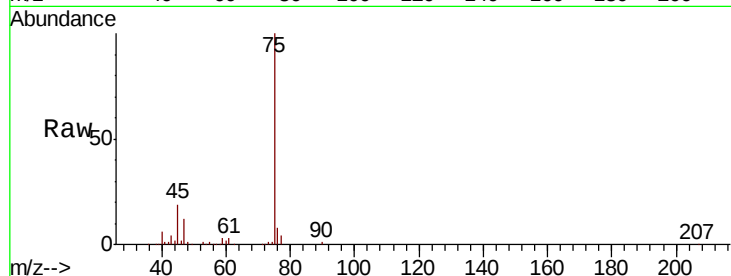
DISPENSER-1

Tot Ion: 77 Resp: 4221

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



#29

Tetrahydrofuran

Concen: 2.830 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

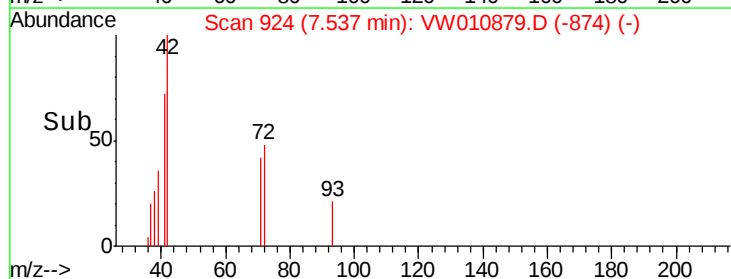
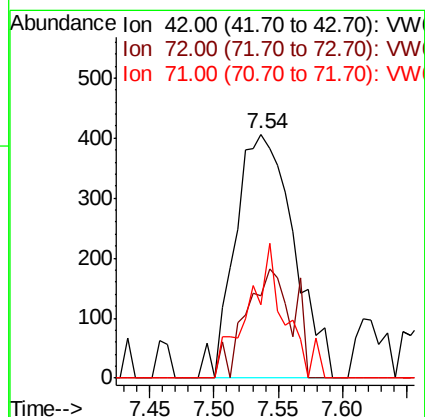
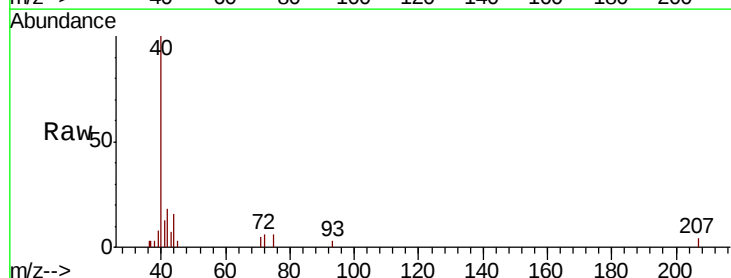
Tgt Ion: 42 Resp: 1287

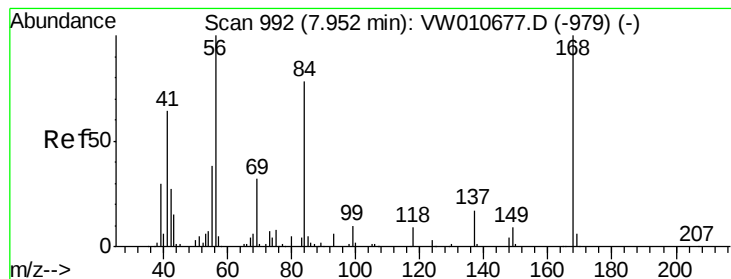
Ion Ratio Lower Upper

42 100

72 35.6 28.7 43.1

71 35.0 26.6 39.8





#31

Cyclohexane

Concen: 1.472 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

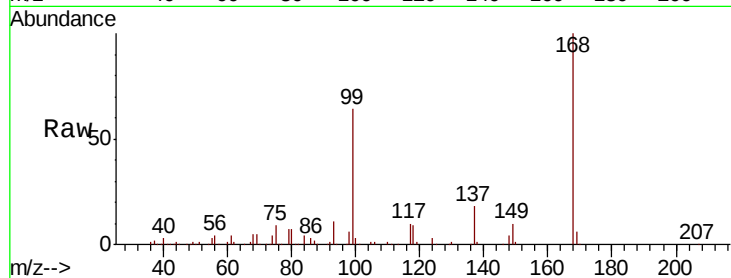
Tot Ion: 56 Resp: 5778

Ion Ratio Lower Upper

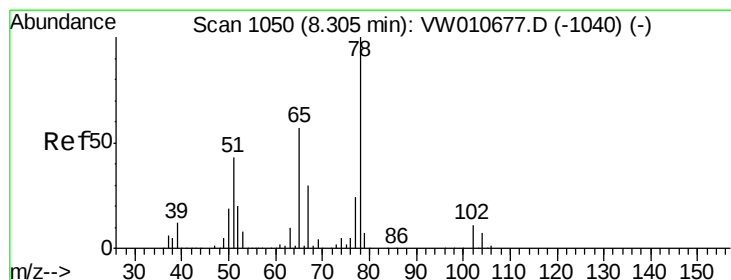
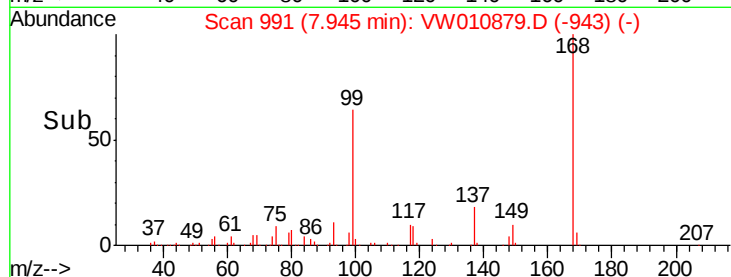
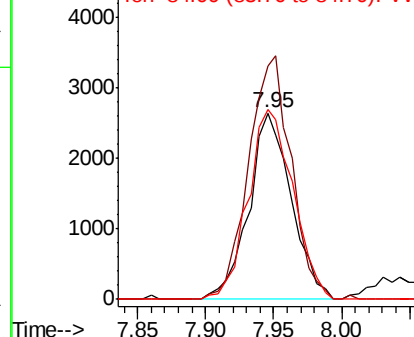
56 100

69 125.0 25.2 37.8#

84 102.0 62.2 93.2#



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: 64.202 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010879.D

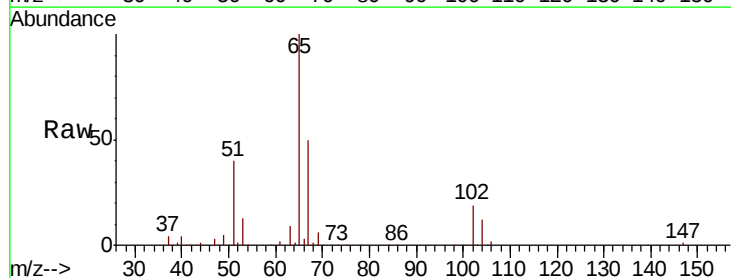
Acq: 20 Jun 2019 06:42

Tgt Ion: 65 Resp: 124919

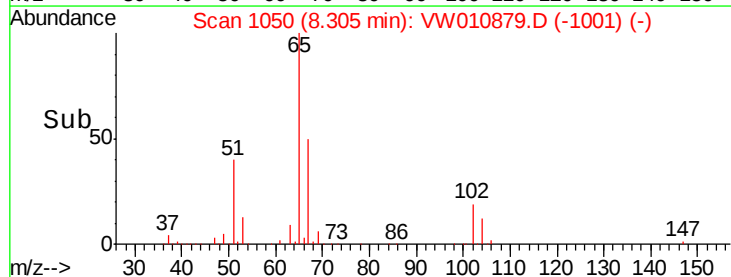
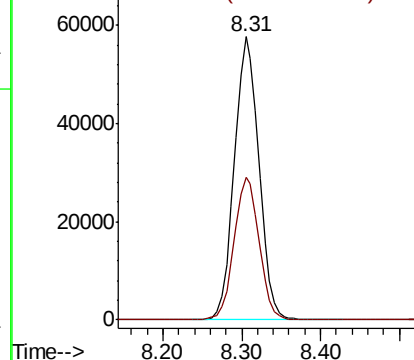
Ion Ratio Lower Upper

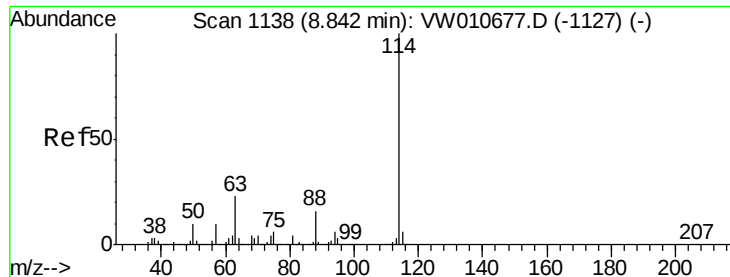
65 100

67 51.3 0.0 102.6



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: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

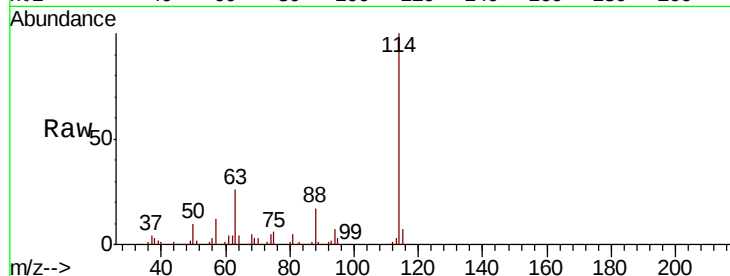
Tot Ion:114 Resp: 300763

Ion Ratio Lower Upper

114 100

63 26.0 0.0 46.4

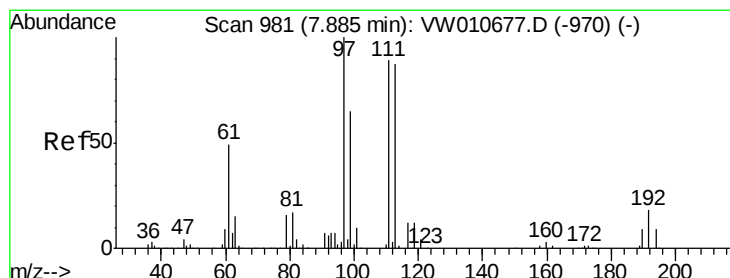
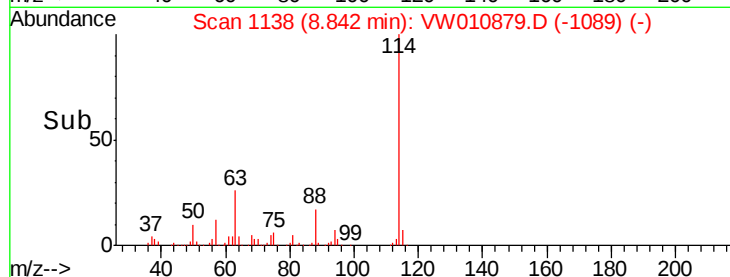
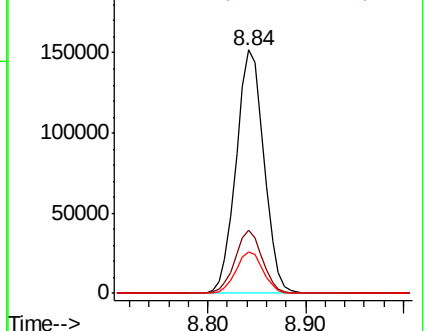
88 17.0 0.0 32.2



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: 7.644 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

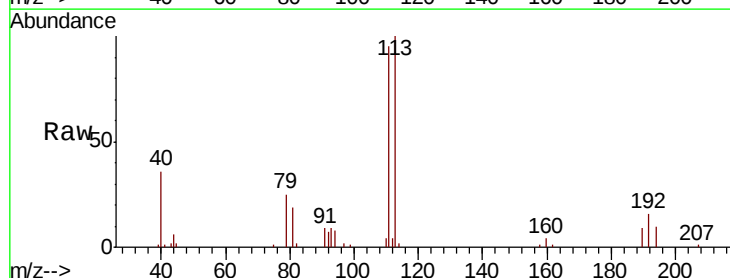
Tgt Ion:113 Resp: 12479

Ion Ratio Lower Upper

113 100

111 106.9 82.6 123.8

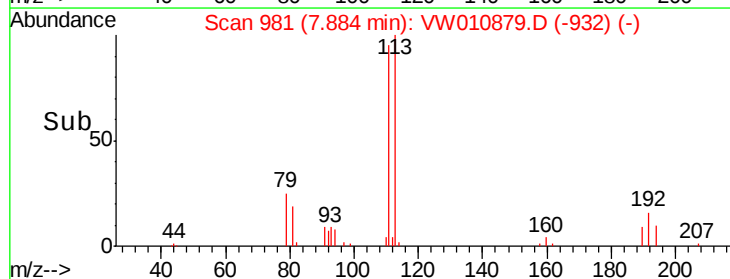
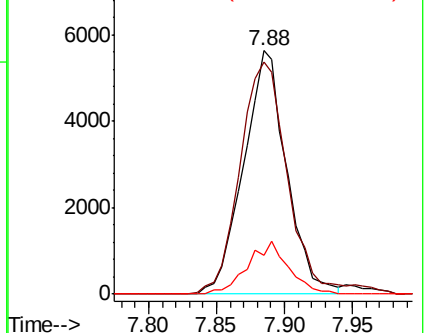
192 20.7 16.4 24.6

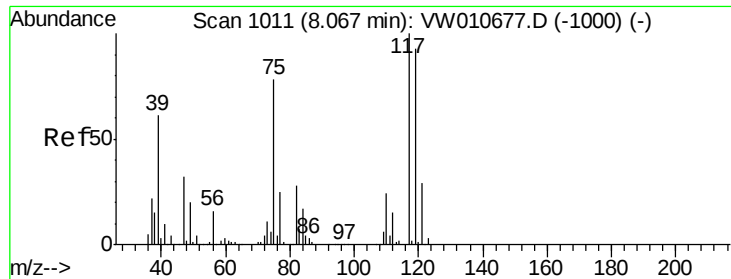


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.143 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

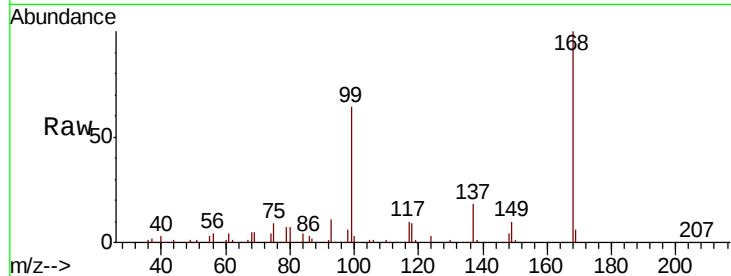
Tot Ion:117 Resp: 16326

Ion Ratio Lower Upper

117 100

119 5.0 74.2 111.4#

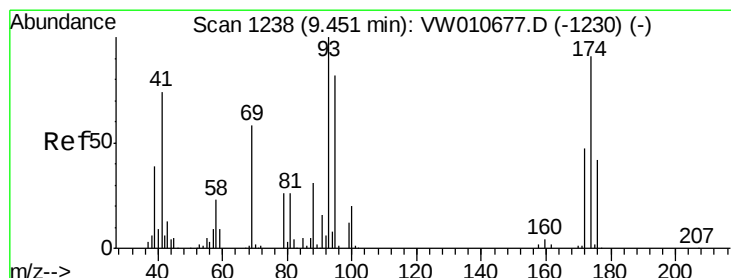
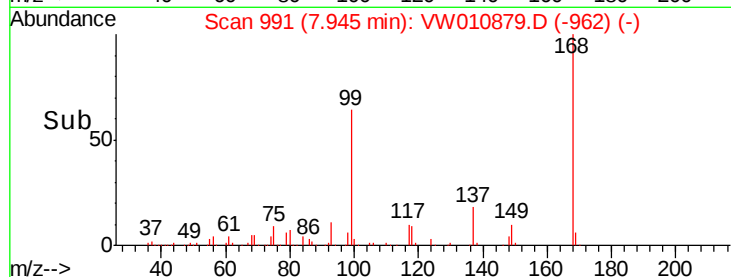
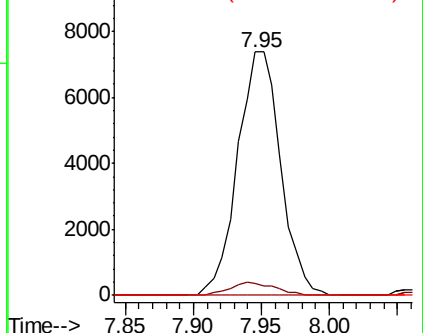
121 0.0 22.9 34.3#



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: 3.035 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

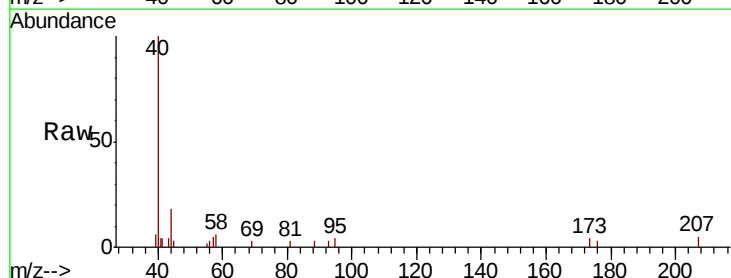
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

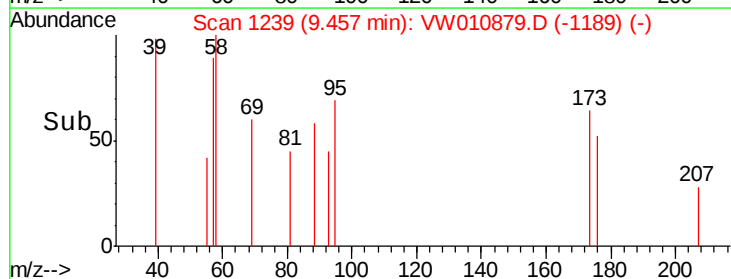
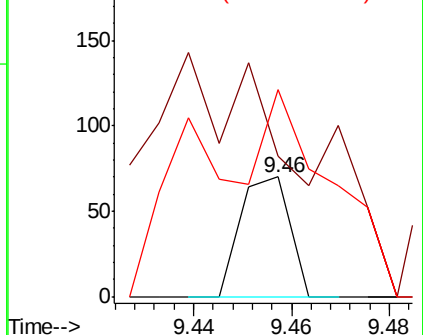
58 234.7 69.0 103.4#

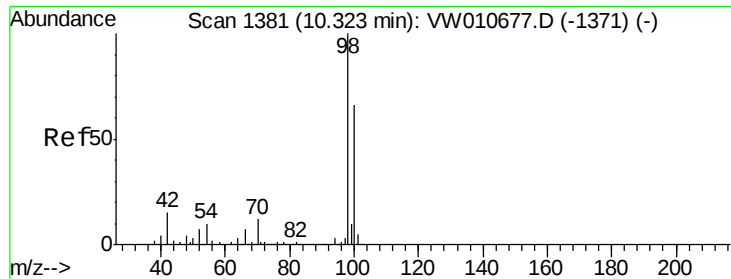


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 44.302 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

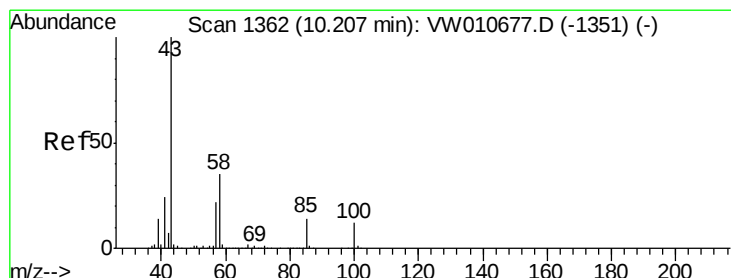
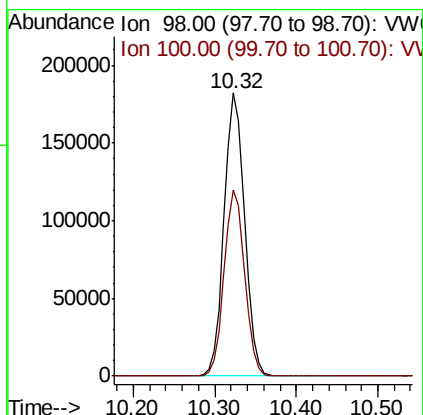
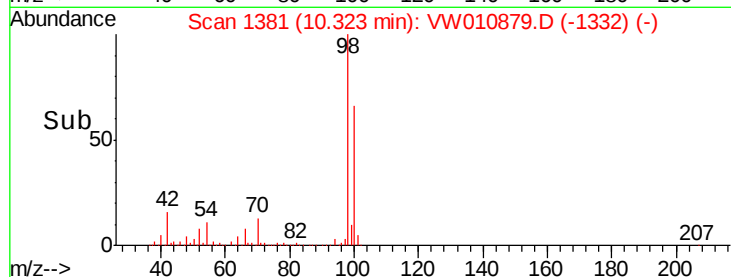
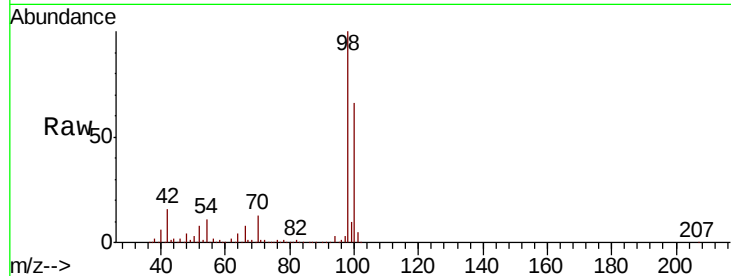
DISPENSER-1

Tot Ion: 98 Resp: 317144

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.674 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010879.D

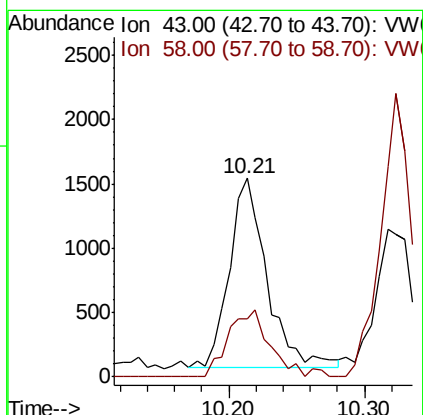
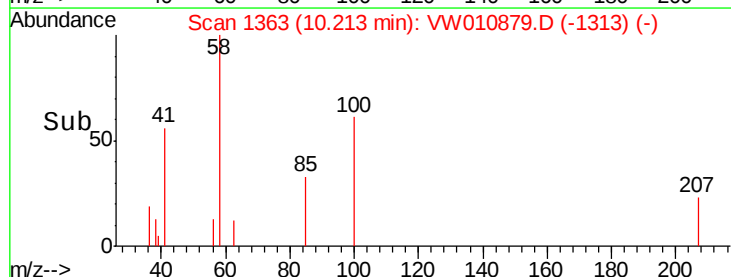
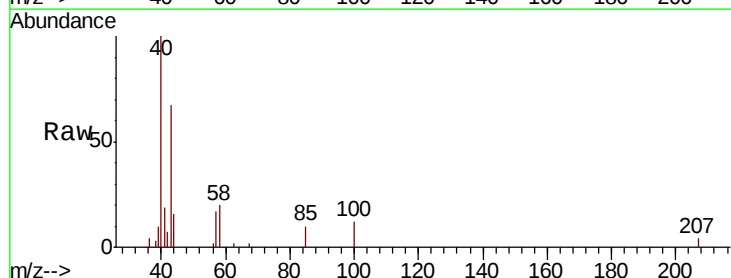
Acq: 20 Jun 2019 06:42

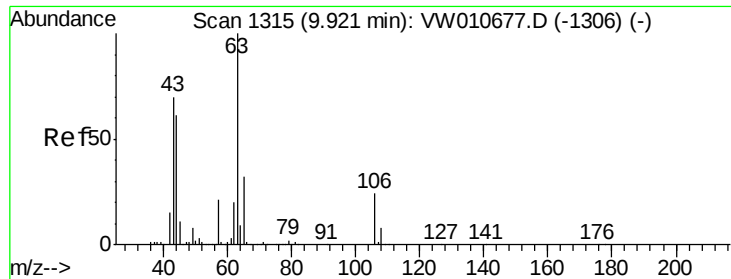
Tgt Ion: 43 Resp: 2819

Ion Ratio Lower Upper

43 100

58 39.9 28.4 42.6

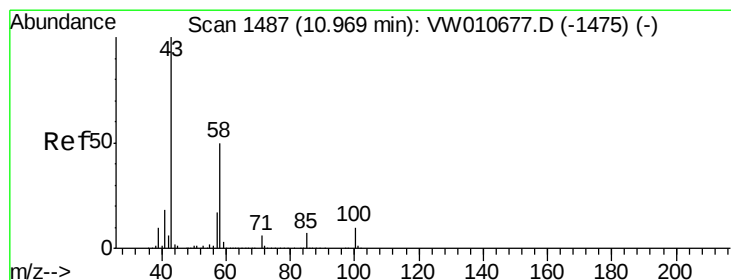
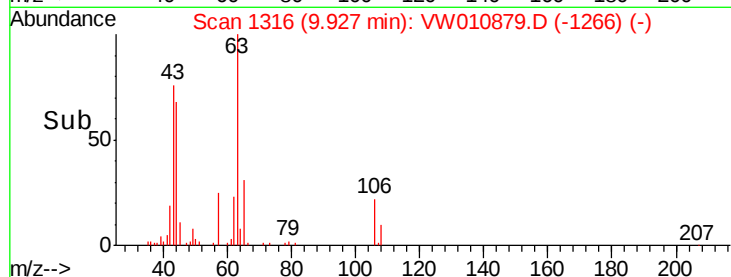
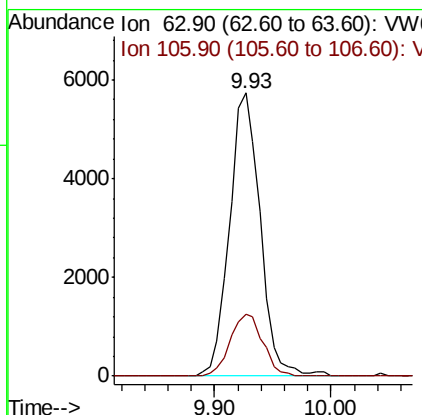
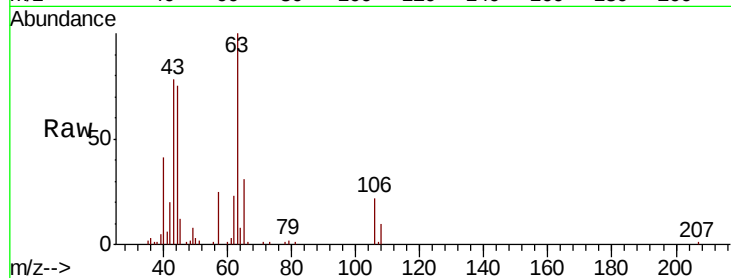




#58
2-Chloroethyl Vinyl ether
Concen: 8.786 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

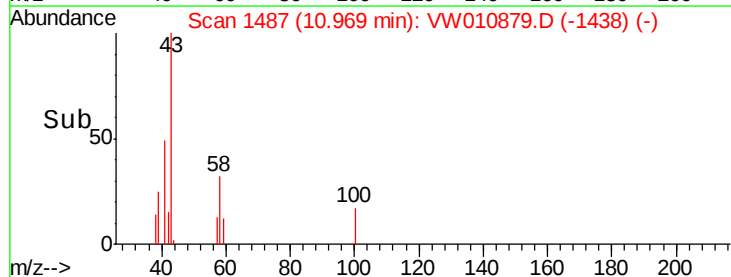
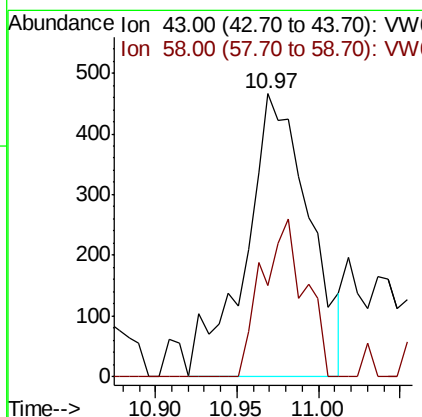
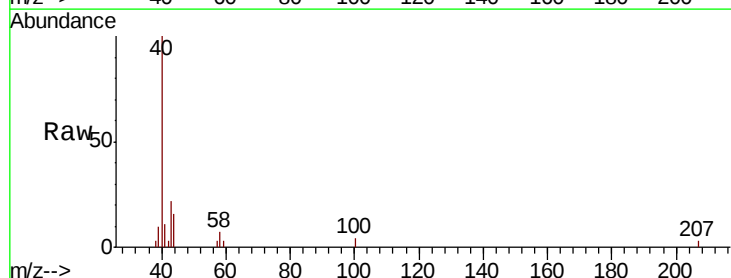
Instrument :
MSVOA_W
ClientSampleId :
DISPENSER-1

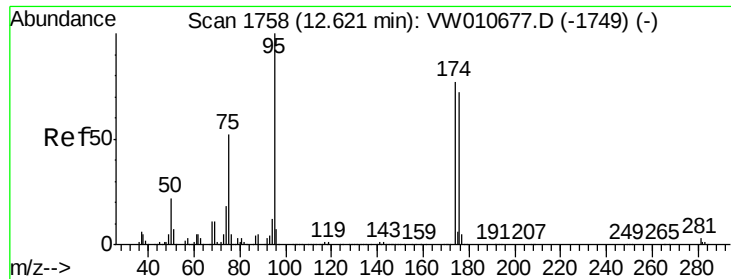
Tot Ion: 63 Resp: 10534
Ion Ratio Lower Upper
63 100
106 23.3 20.1 30.1



#59
2-Hexanone
Concen: 1.038 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 37.8 24.9 74.6

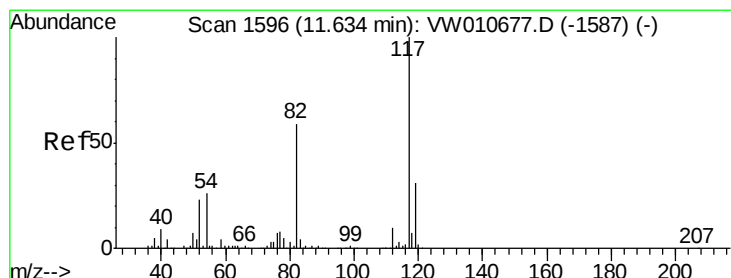
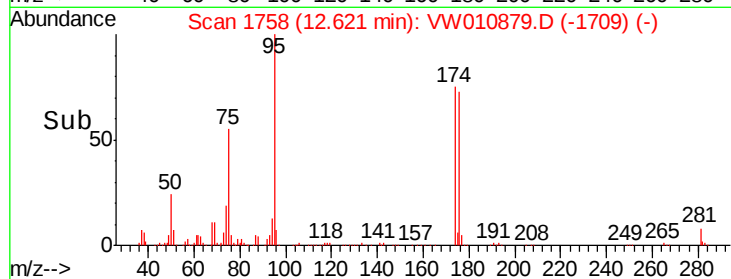
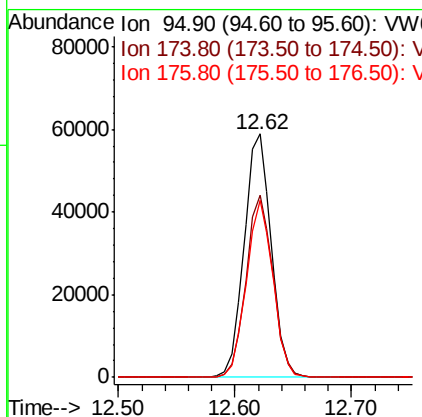
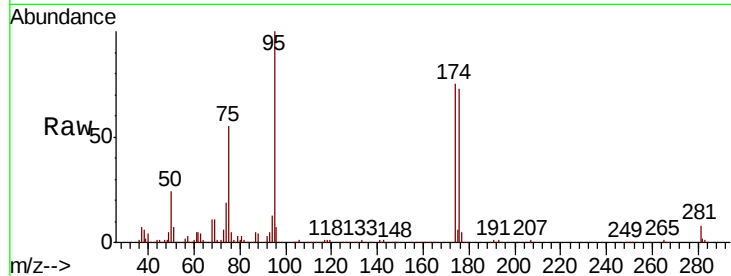




#62
4-Bromofluorobenzene
Concen: 36.684 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

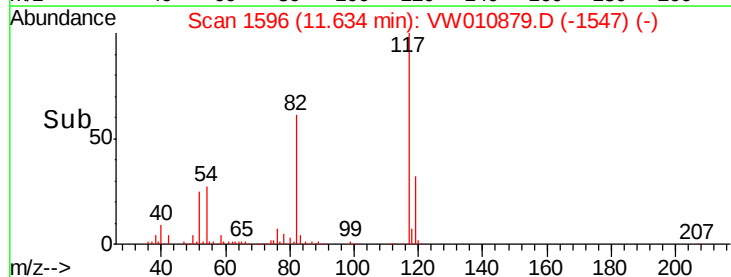
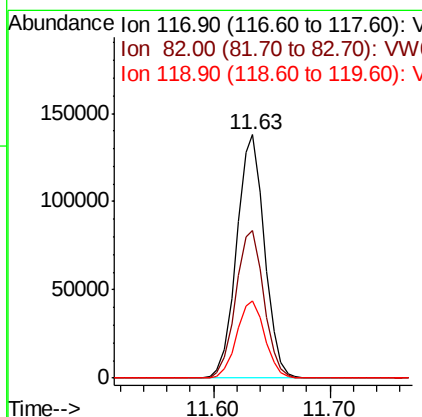
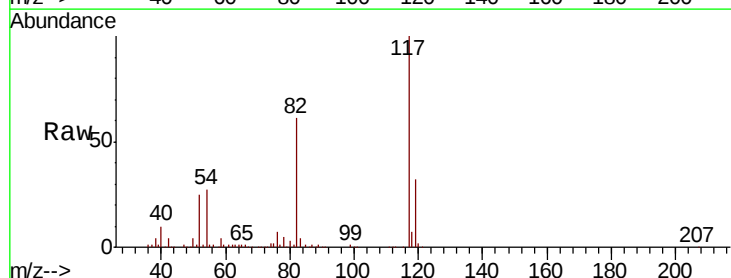
Instrument :
MSVOA_W
ClientSampleId :
DISPENSER-1

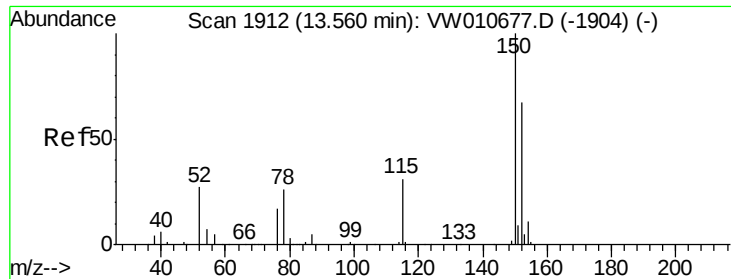
Tot Ion: 95 Resp: 95560
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.4
176 71.4 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010879.D
Acq: 20 Jun 2019 06:42

Tgt Ion: 117 Resp: 229747
Ion Ratio Lower Upper
117 100
82 60.9 47.0 70.4
119 31.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

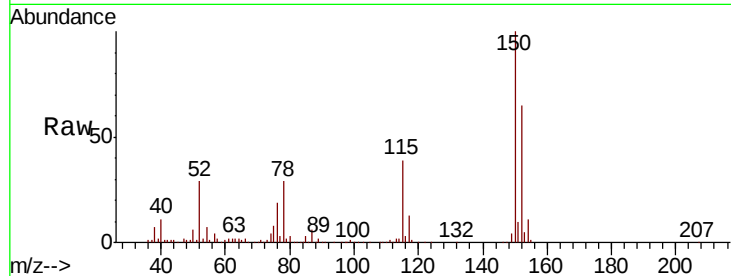
Tot Ion:152 Resp: 71802

Ion Ratio Lower Upper

152 100

115 60.7 29.8 89.3

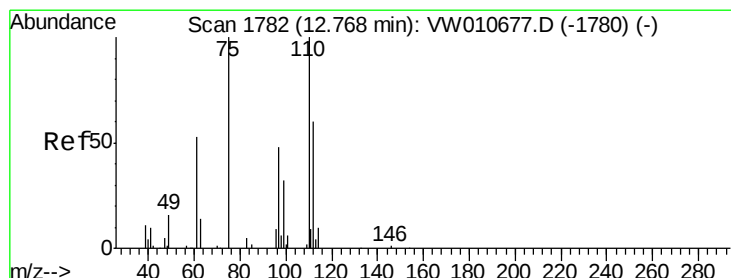
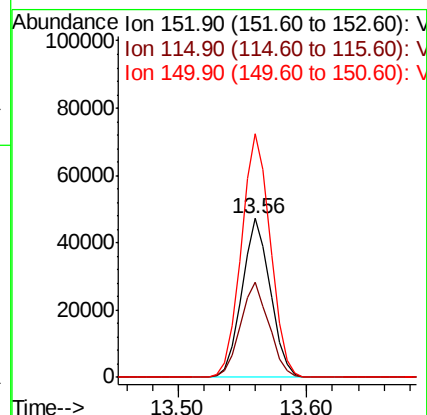
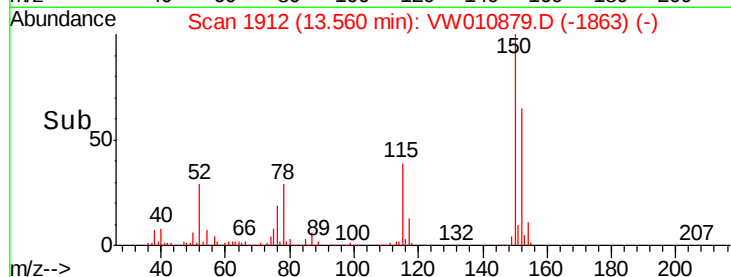
150 156.8 0.0 345.0



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: 71.603 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010879.D

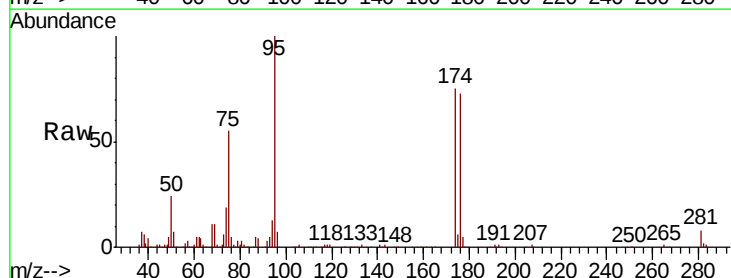
Acq: 20 Jun 2019 06:42

Tgt Ion: 75 Resp: 53990

Ion Ratio Lower Upper

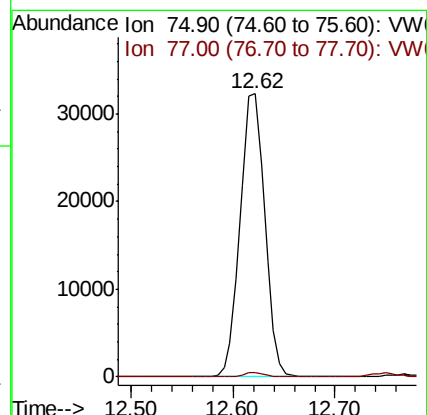
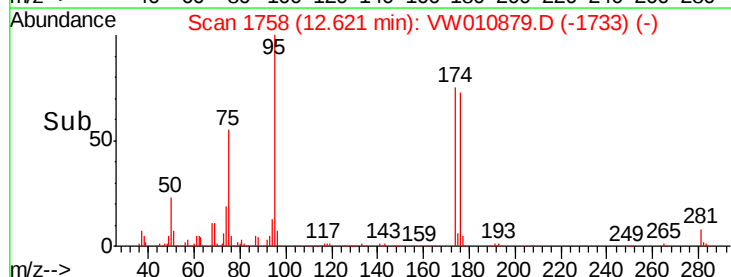
75 100

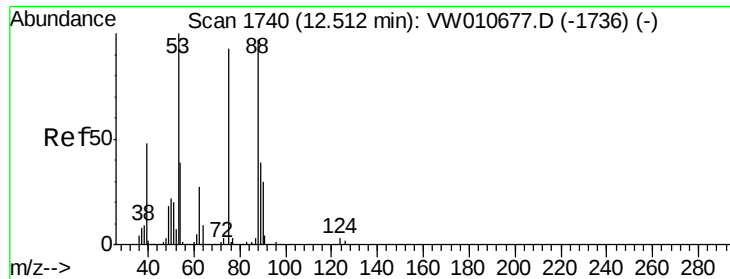
77 1.3 0.0 0.0#



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: 164.567 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

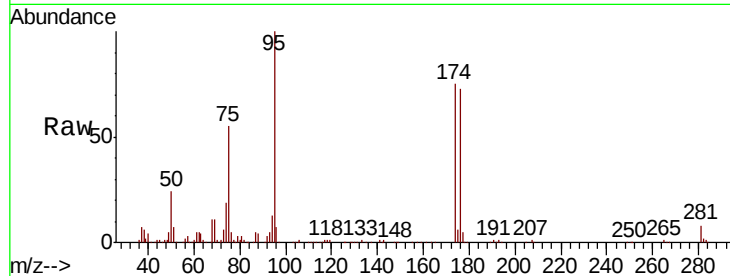
Tot Ion: 75 Resp: 53990

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

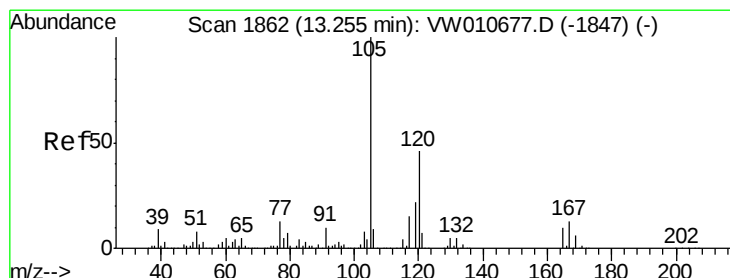
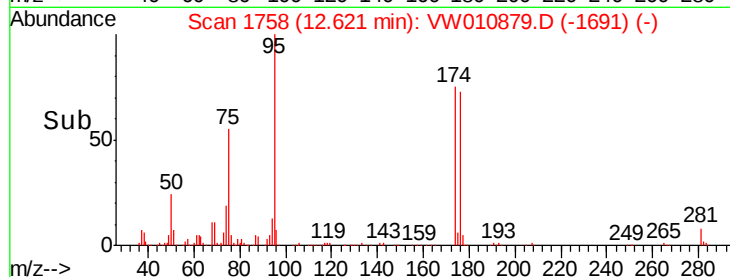
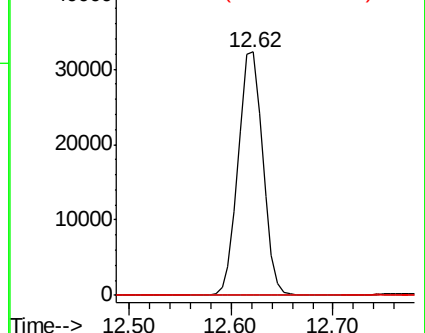
89 0.0 34.6 52.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.405 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010879.D

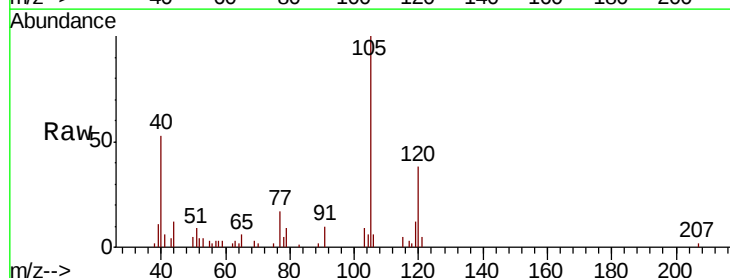
Acq: 20 Jun 2019 06:42

Tgt Ion: 105 Resp: 6245

Ion Ratio Lower Upper

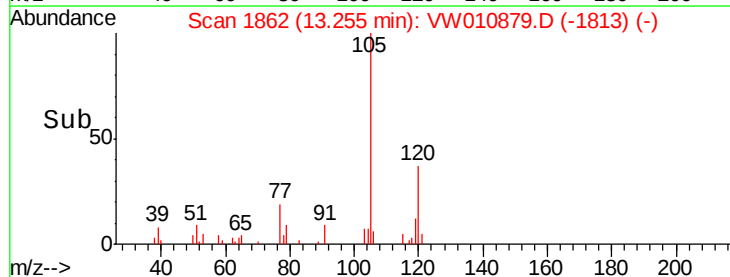
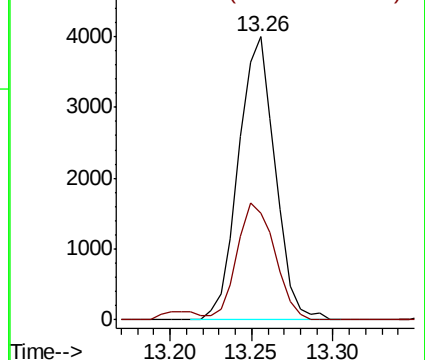
105 100

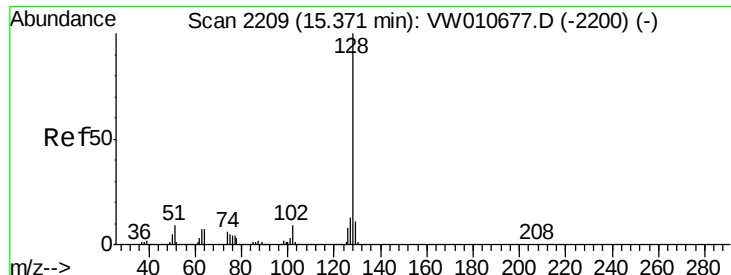
120 42.7 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.606 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

DISPENSER-1

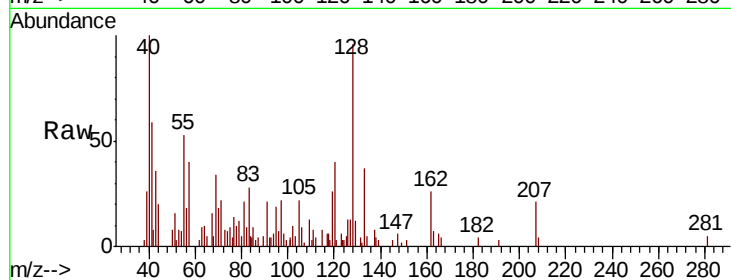
Tot Ion:128 Resp: 4183

Ion Ratio Lower Upper

128 100

127 9.0 10.6 15.8#

129 7.3 8.6 13.0#



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

