

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014576.D
 Acq On : 09 Jan 2020 12:32
 Operator : SY/VA
 Sample : L1056-01RE
 Misc : 9.01G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 12:59:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	643877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1004769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	682069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	210264	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	308675	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
35) Dibromofluoromethane	7.88	113	309208	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
50) Toluene-d8	10.32	98	1109606	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.62	95	264143	32.50	ug/l	0.00
Spiked Amount			Recovery	=	65.00%	

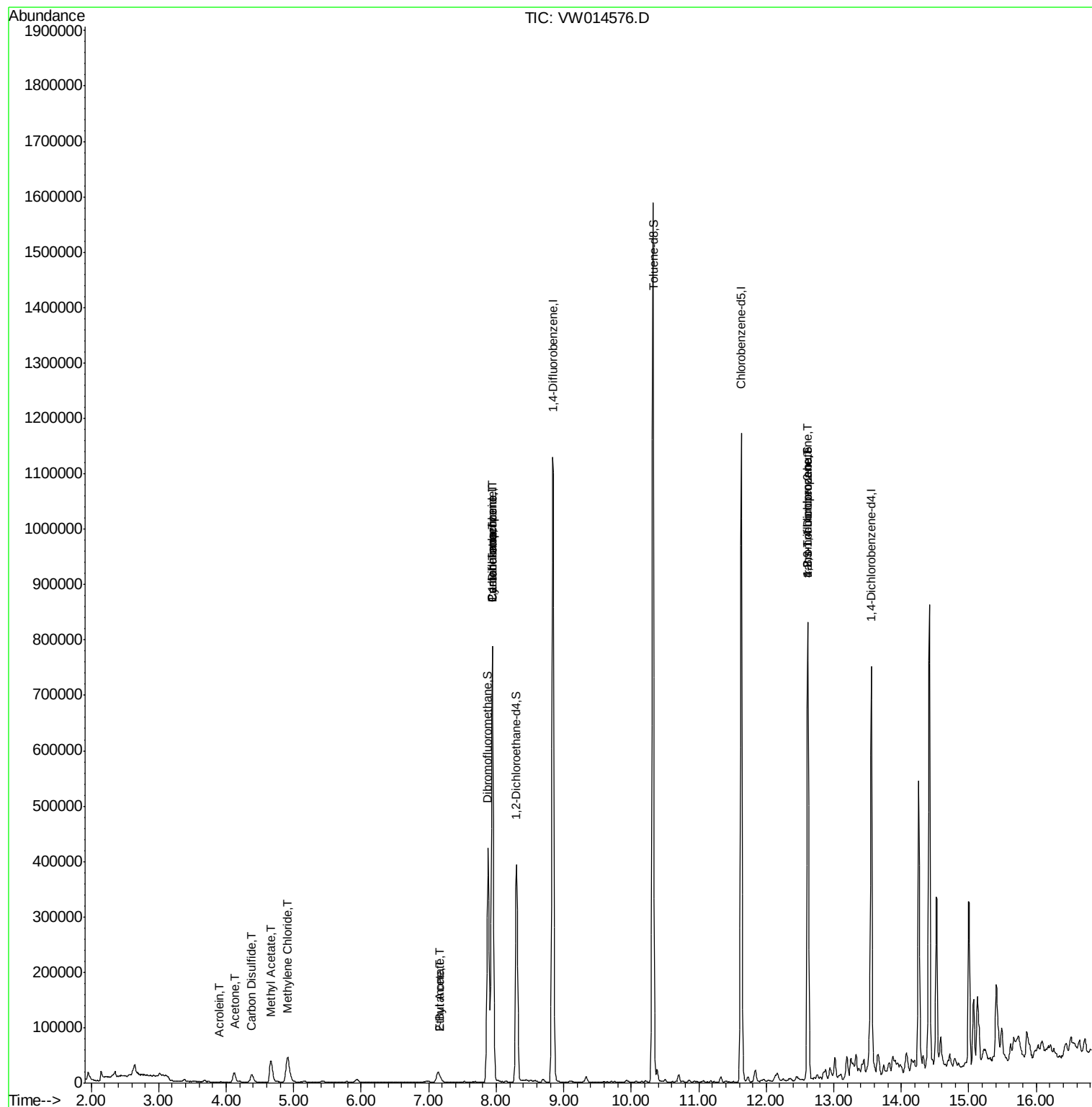
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	2354	Below Cal	#	87
13) Acrolein	3.90	56	598	1.217	ug/l #	14
16) Acetone	4.12	43	30141	18.962	ug/l #	87
17) Carbon Disulfide	4.38	76	25634	1.327	ug/l	96
18) Methyl Acetate	4.67	43	78880	20.547	ug/l	98
20) Methylene Chloride	4.91	84	41592	2.145	ug/l	97
25) 2-Butanone	7.17	43	7688	3.769	ug/l #	80
31) Cyclohexane	7.94	56	13346	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	44780	4.623	ug/l #	50
37) Ethyl Acetate	7.17	43	7688	1.750	ug/l #	41
38) Carbon Tetrachloride	7.94	117	56499	6.723	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	124246	62.498	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	124246	139.247	ug/l #	15

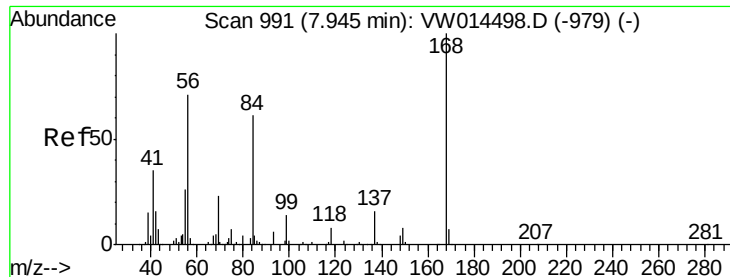
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 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: VW014576.D

Acq: 09 Jan 2020 12:32

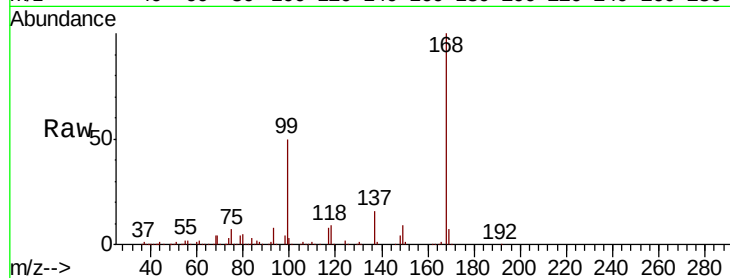
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 643877

Ion Ratio Lower Upper

168 100

99 49.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

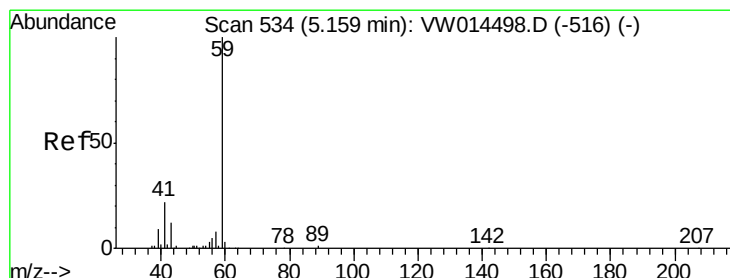
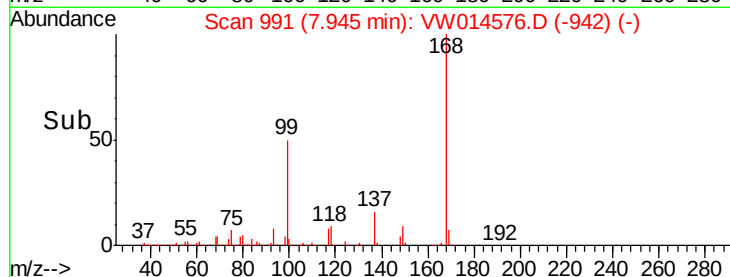
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014576.D

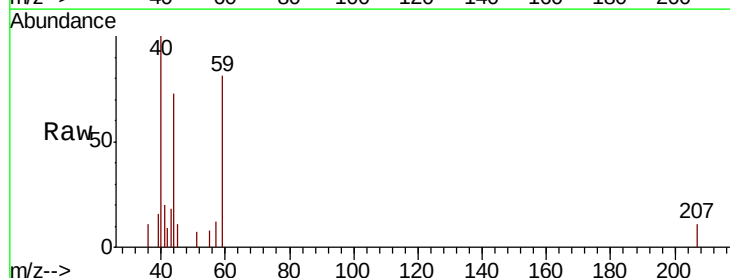
Acq: 09 Jan 2020 12:32

Tgt Ion: 59 Resp: 2354

Ion Ratio Lower Upper

59 100

57 5.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

800

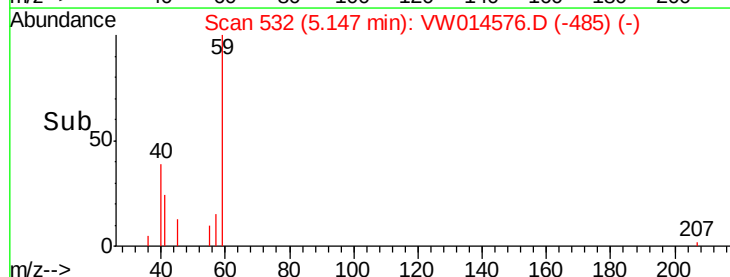
600

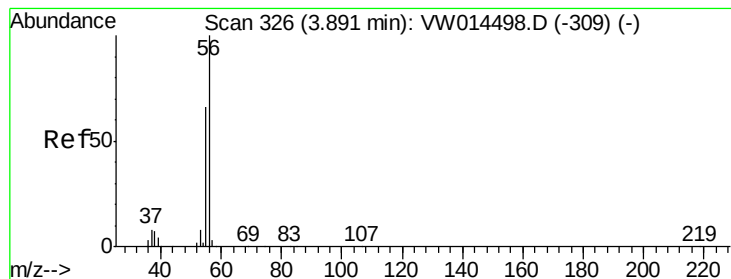
400

200

0

Time--> 5.10 5.15 5.20 5.25





#13

Acrolein

Concen: 1.217 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

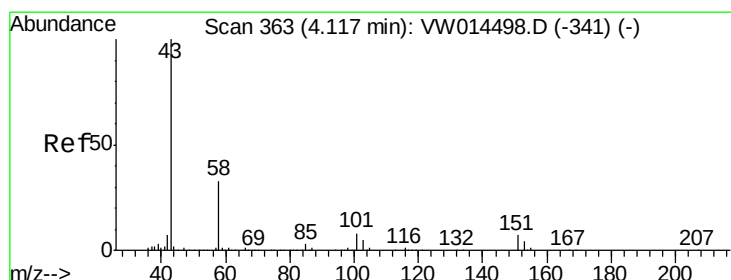
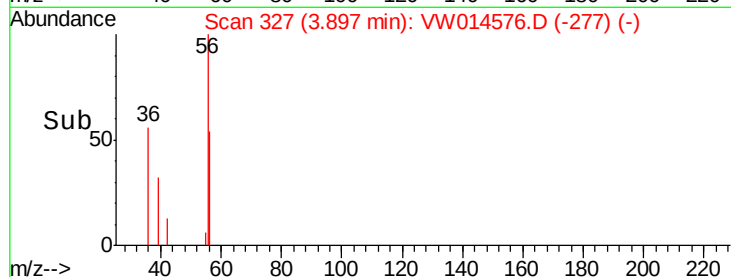
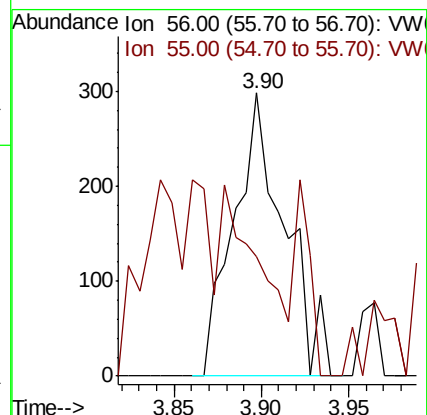
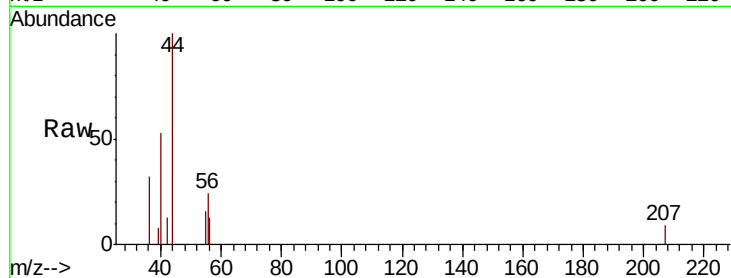
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 598

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 18.962 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014576.D

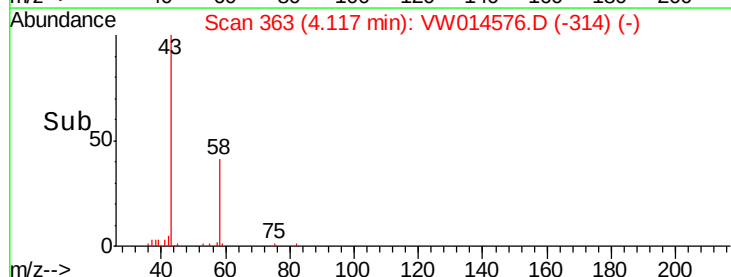
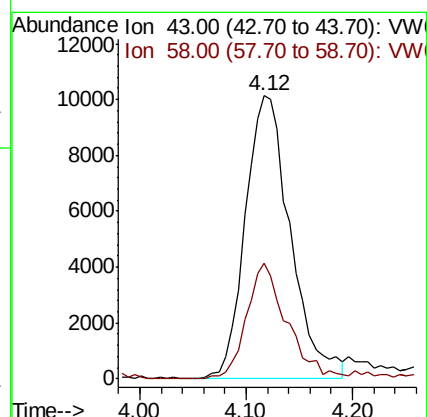
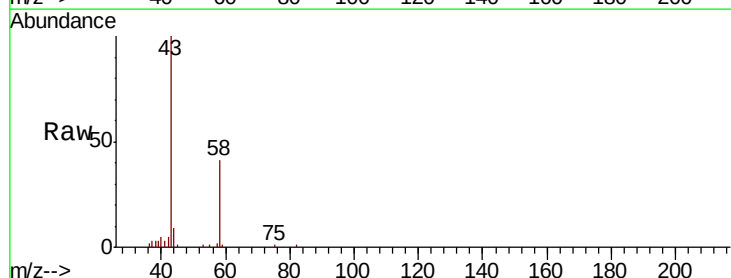
Acq: 09 Jan 2020 12:32

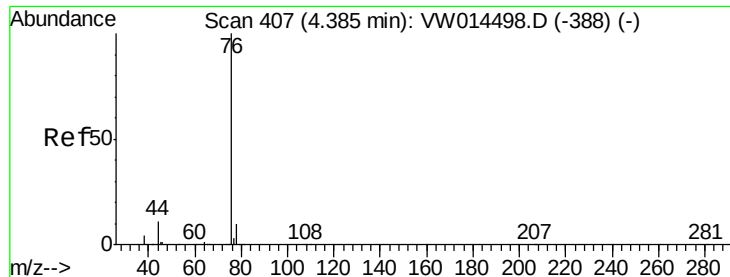
Tgt Ion: 43 Resp: 30141

Ion Ratio Lower Upper

43 100

58 40.8 26.6 39.8#





#17

Carbon Disulfide

Concen: 1.327 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

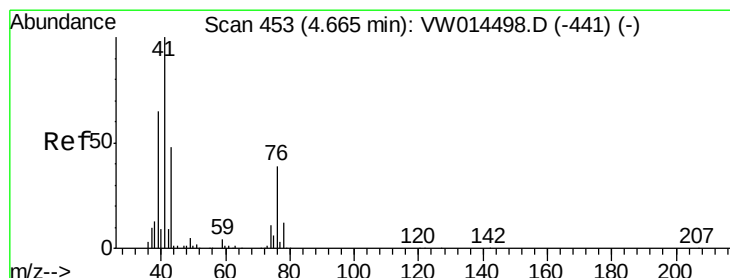
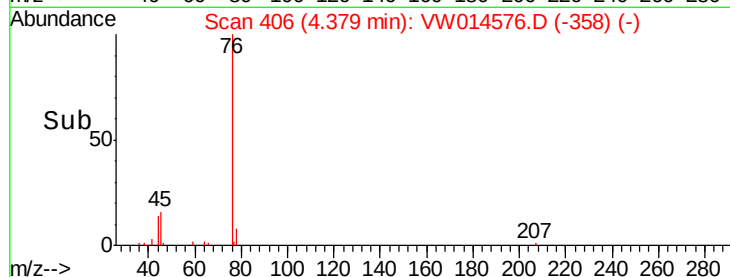
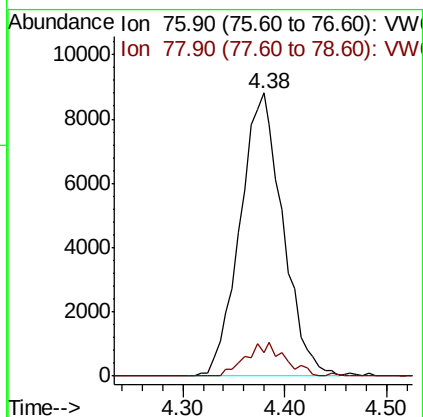
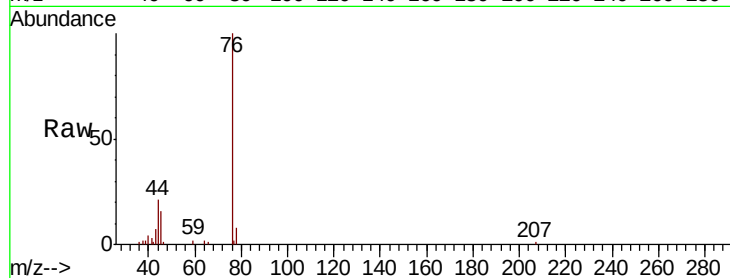
ClientSampled :

Tot Ion: 76 Resp: 25634

Ion Ratio Lower Upper

76 100

78 8.4 7.8 11.6



#18

Methyl Acetate

Concen: 20.547 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014576.D

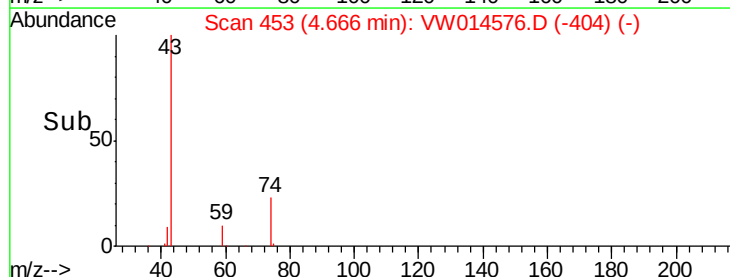
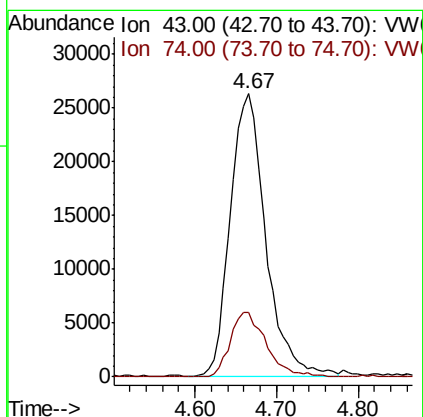
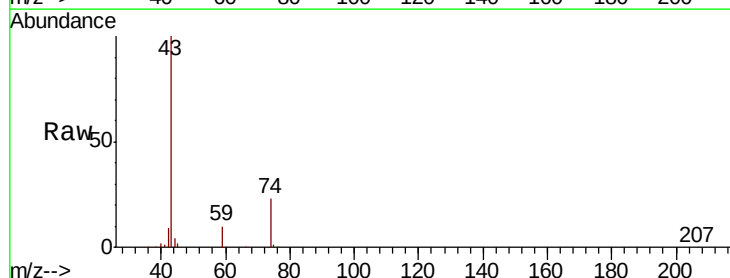
Acq: 09 Jan 2020 12:32

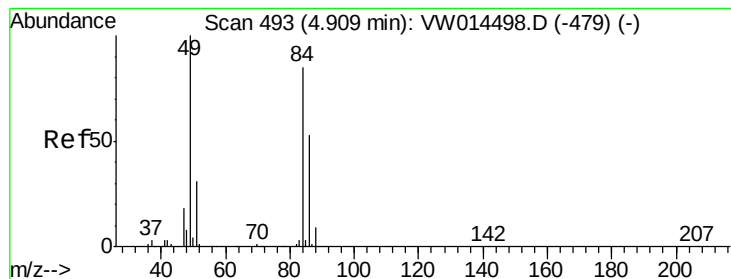
Tgt Ion: 43 Resp: 78880

Ion Ratio Lower Upper

43 100

74 23.2 19.3 28.9





#20

Methvlene Chloride

Concen: 2.145 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 41592

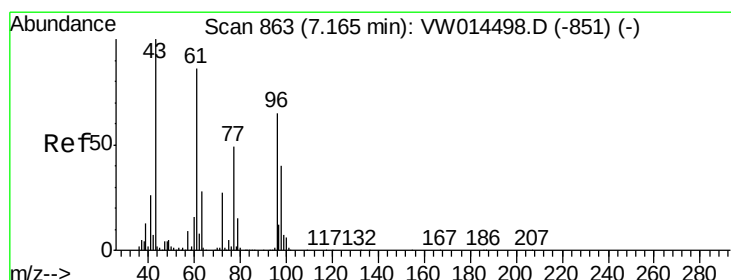
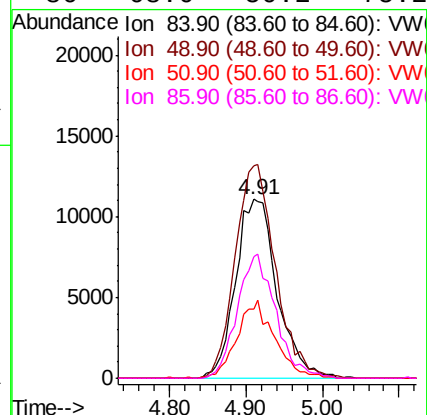
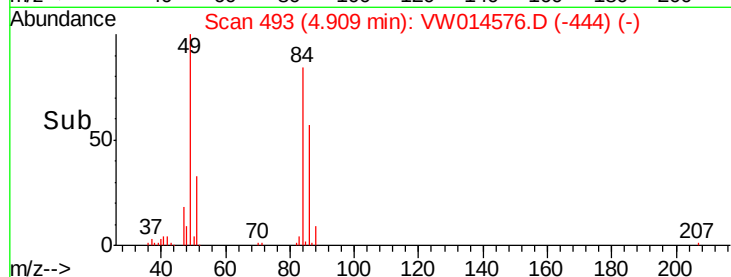
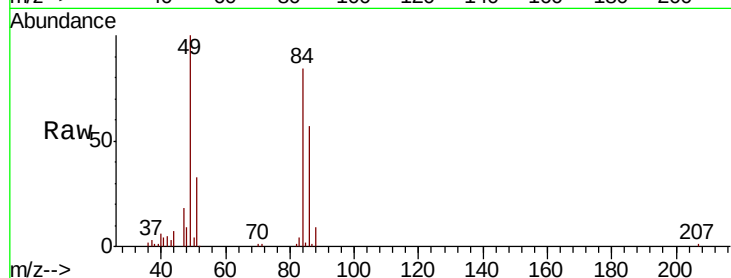
Ion Ratio Lower Upper

84 100

49 119.1 94.4 141.6

51 38.9 29.5 44.3

86 68.0 50.2 75.2



#25

2-Butanone

Concen: 3.769 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014576.D

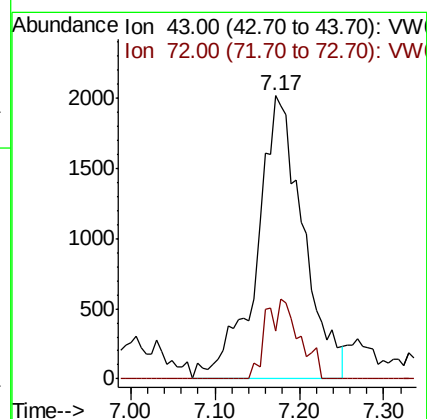
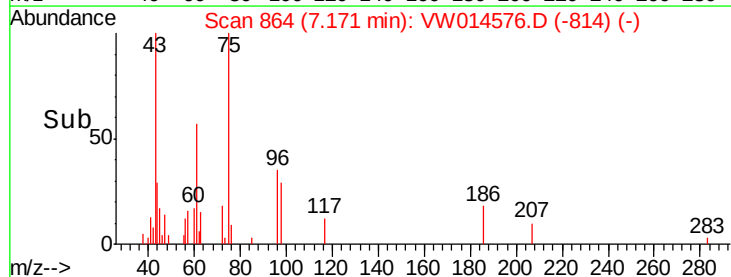
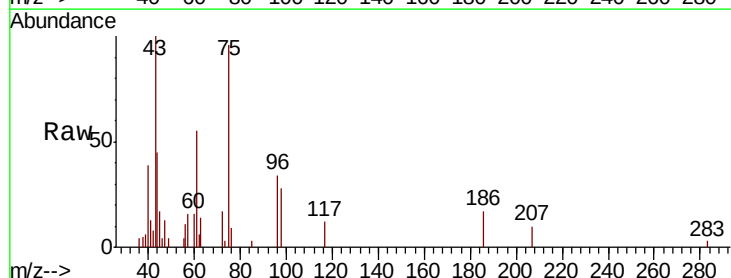
Acq: 09 Jan 2020 12:32

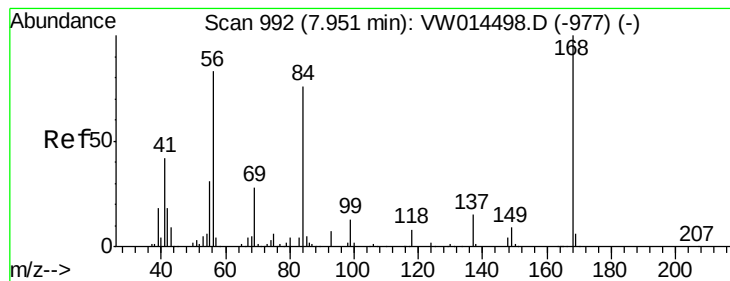
Tgt Ion: 43 Resp: 7688

Ion Ratio Lower Upper

43 100

72 17.1 21.9 32.9#





#31

Cyclohexane

Concen: 1.111 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampled :

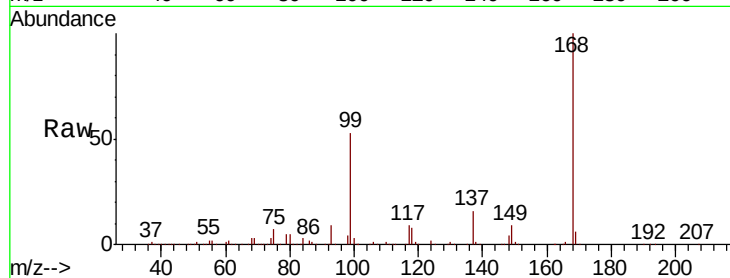
Tot Ion: 56 Resp: 13346

Ion Ratio Lower Upper

56 100

69 163.6 26.8 40.2#

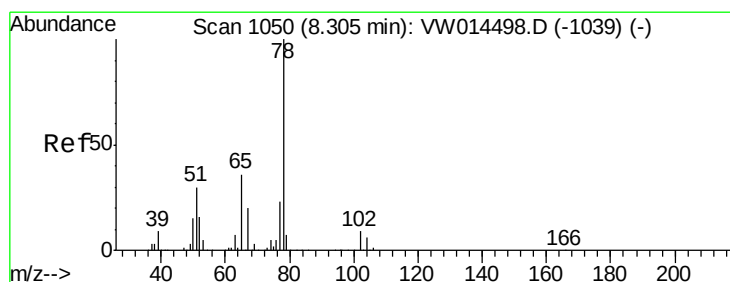
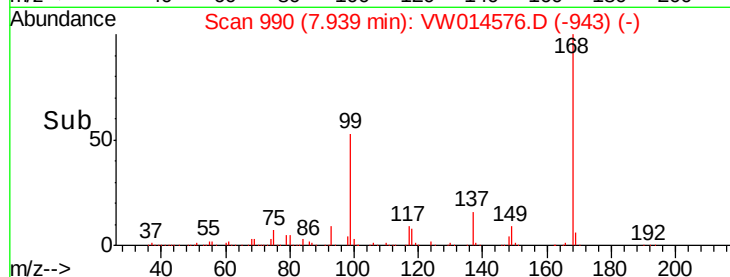
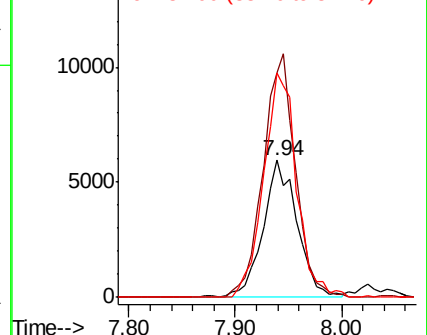
84 163.4 71.8 107.6#



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: 54.832 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014576.D

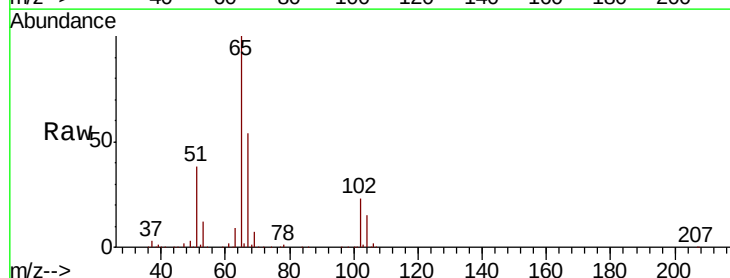
Acq: 09 Jan 2020 12:32

Tgt Ion: 65 Resp: 308675

Ion Ratio Lower Upper

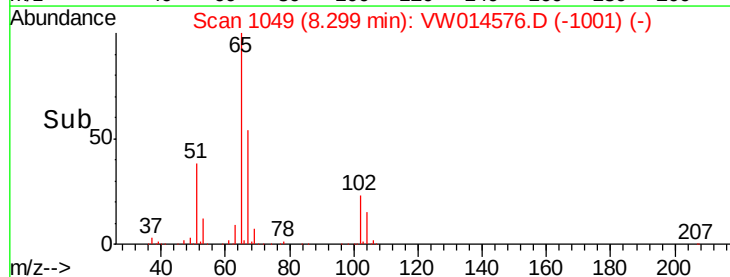
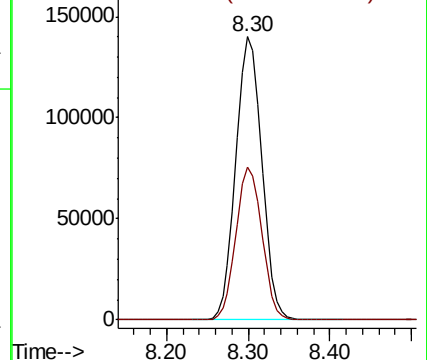
65 100

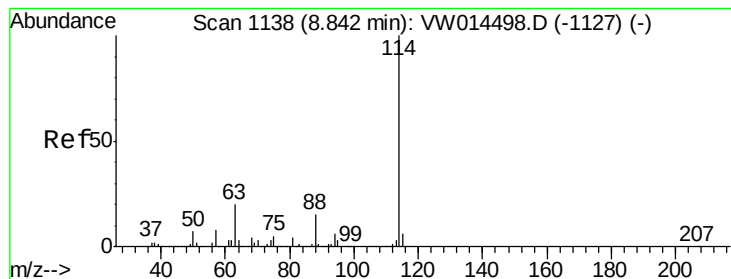
67 53.9 0.0 108.4



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# 1137

Delta R.T. -0.01 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

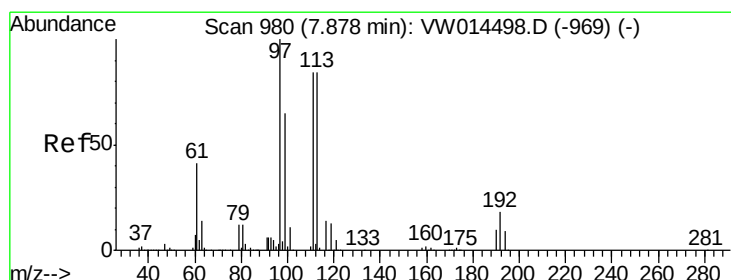
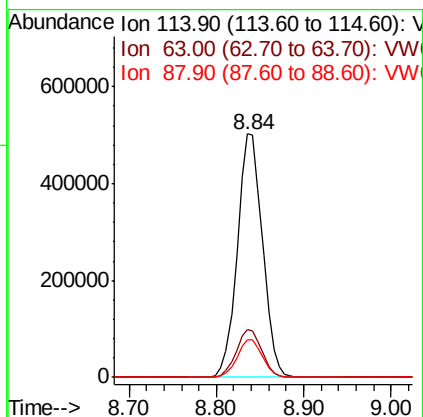
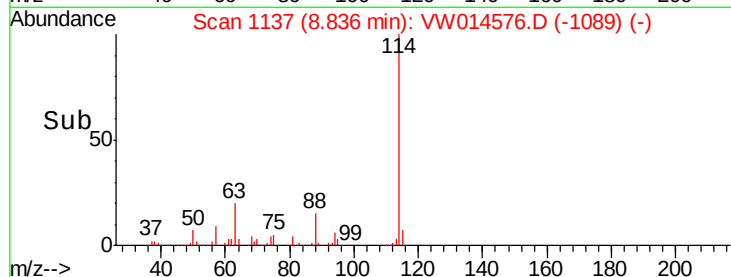
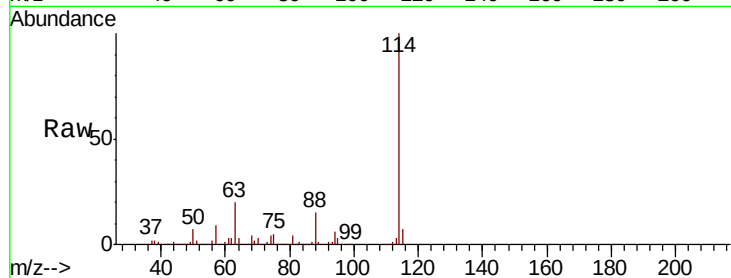
Tot Ion:114 Resp: 1004769

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.846 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

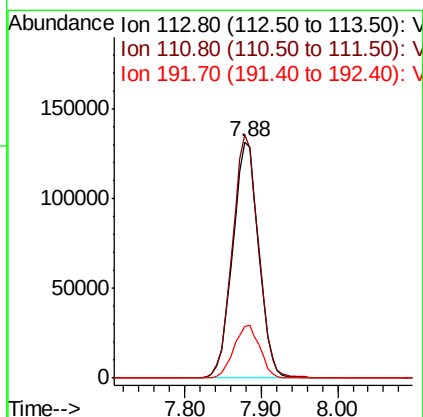
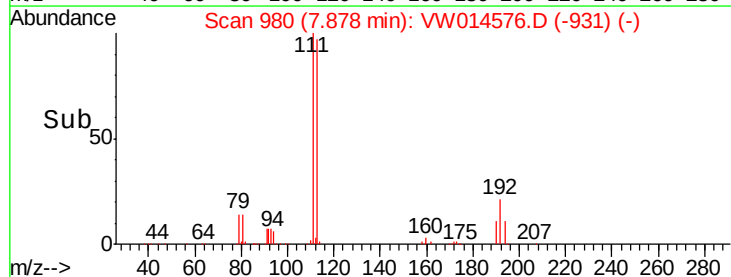
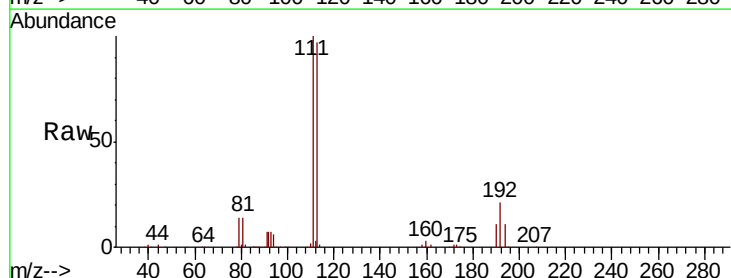
Tgt Ion:113 Resp: 309208

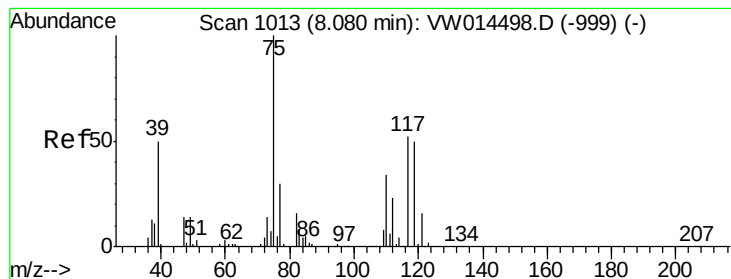
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.2

192 22.5 17.8 26.8





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampled :

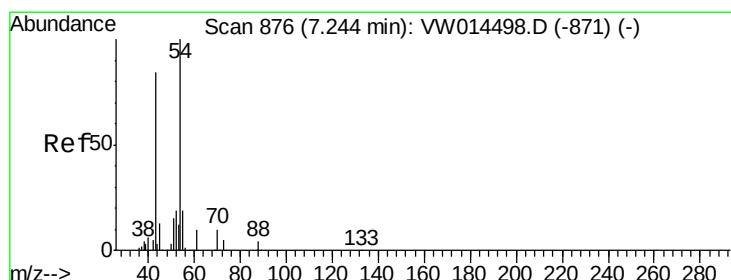
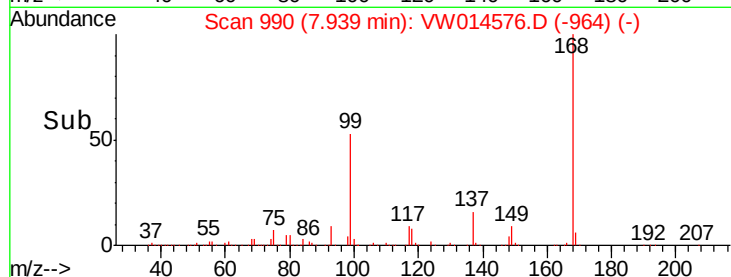
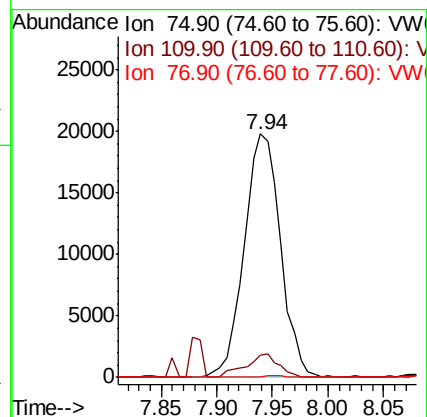
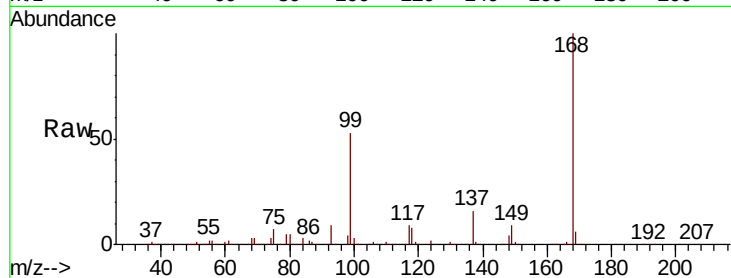
Tot Ion: 75 Resp: 44780

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.3 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.750 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

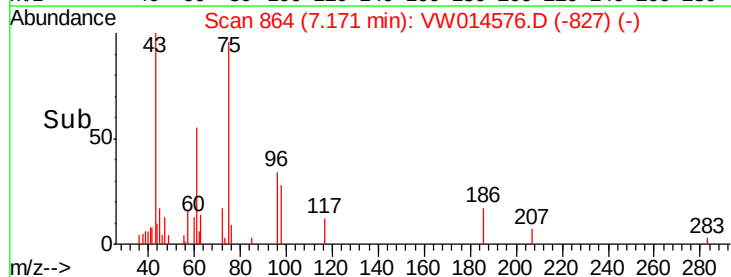
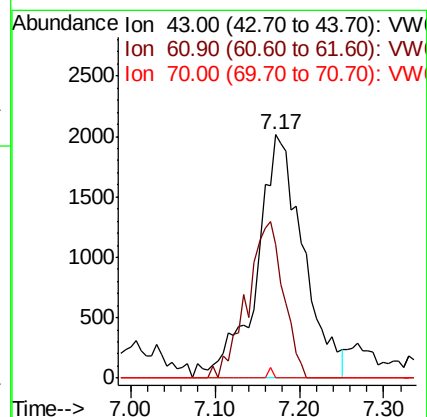
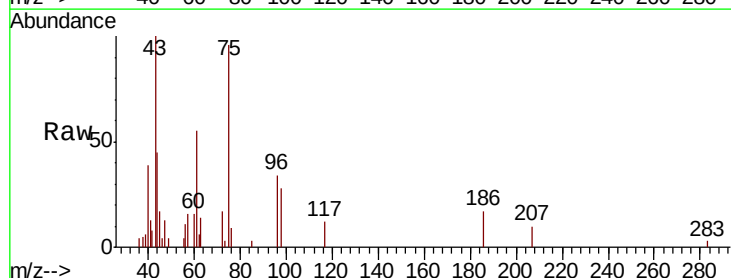
Tgt Ion: 43 Resp: 7688

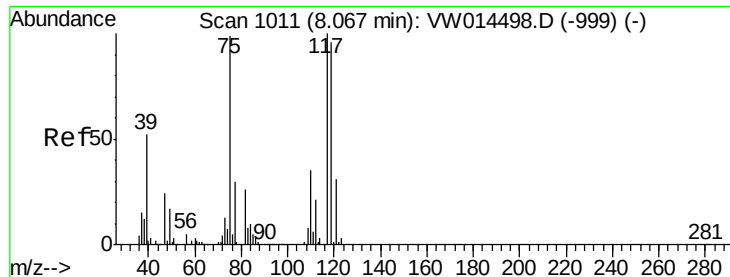
Ion Ratio Lower Upper

43 100

61 48.9 11.7 17.5#

70 0.4 9.0 13.6#

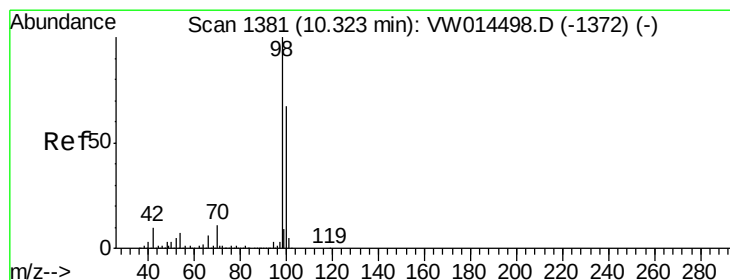
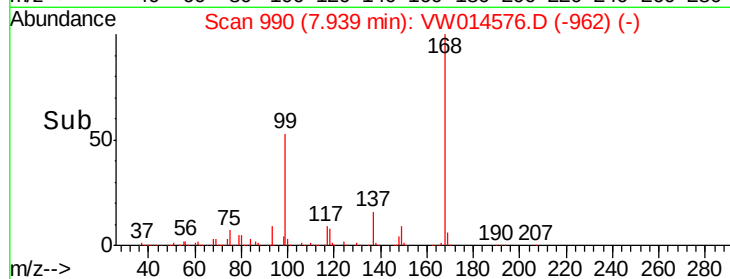
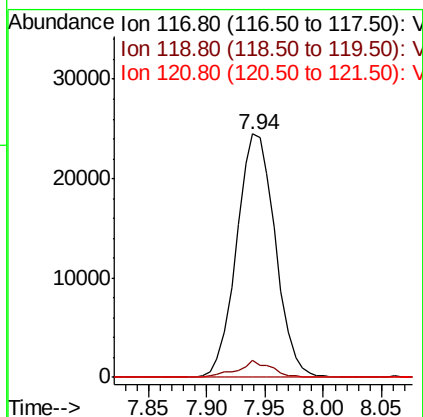
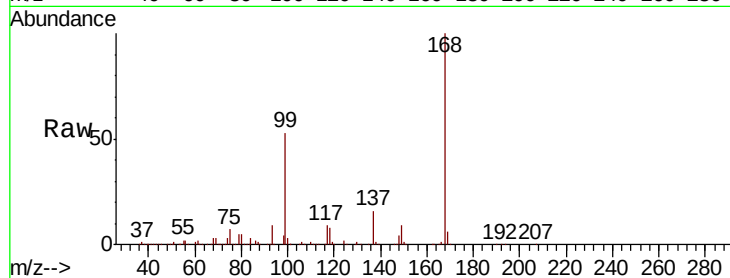




#38
Carbon Tetrachloride
Concen: 6.723 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW014576.D
Acq: 09 Jan 2020 12:32

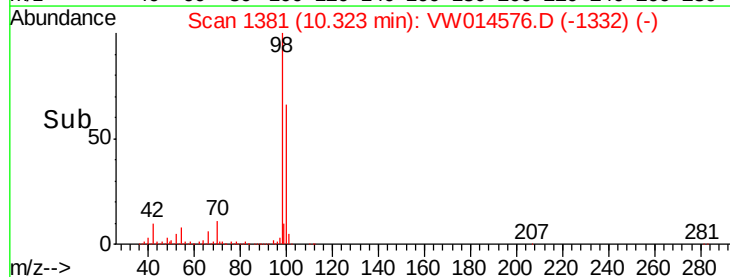
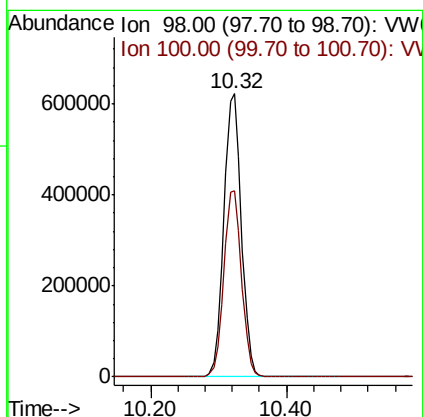
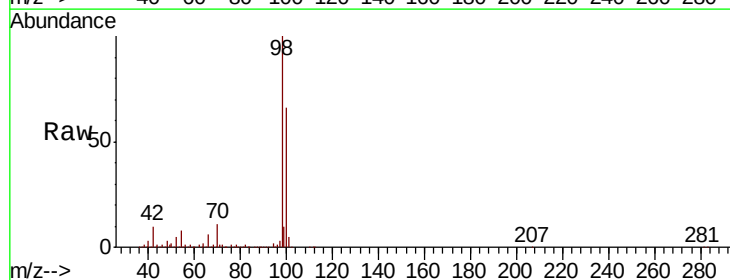
Instrument :
MSVOA_W
ClientSampleId :

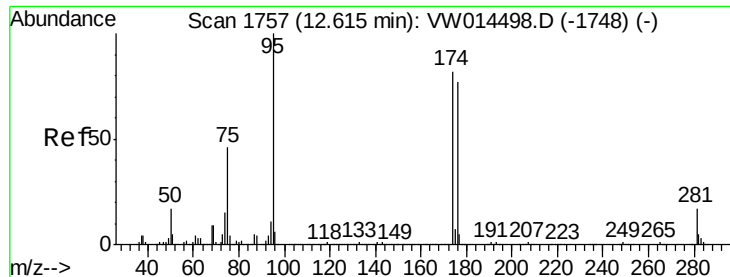
Tot Ion:117 Resp: 56499
Ion Ratio Lower Upper
117 100
119 7.2 77.0 115.6#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 46.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014576.D
Acq: 09 Jan 2020 12:32

Tgt Ion: 98 Resp: 1109606
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 32.496 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

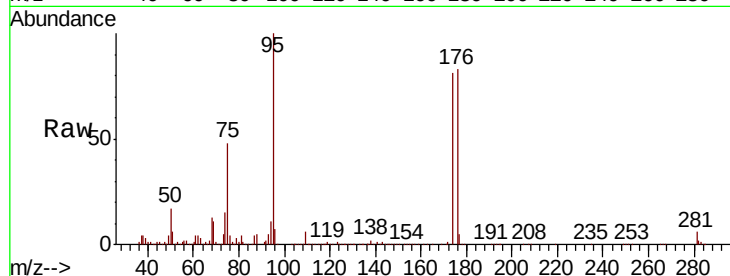
Tot Ion: 95 Resp: 264143

Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.6

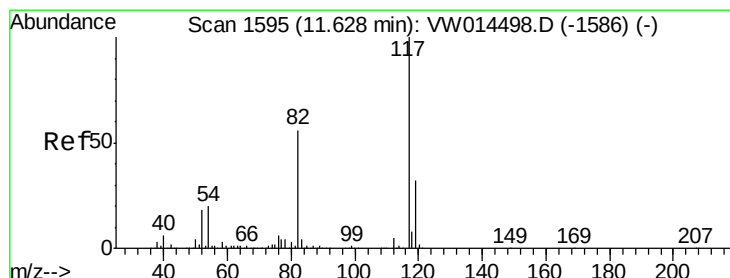
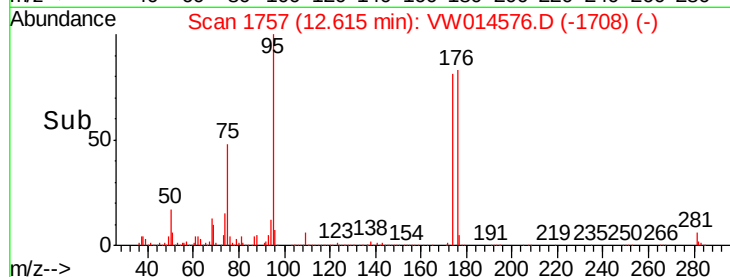
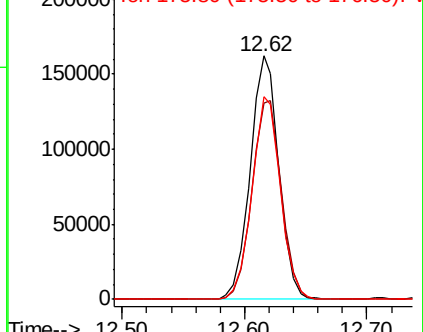
176 82.8 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

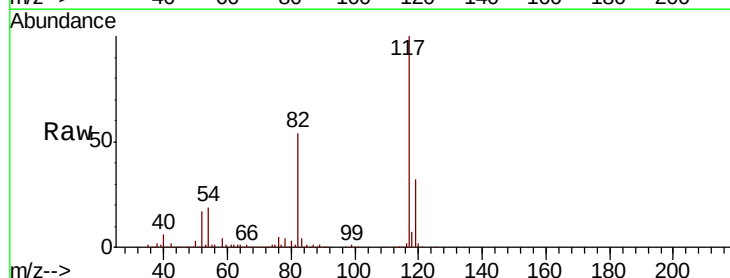
Tgt Ion: 117 Resp: 682069

Ion Ratio Lower Upper

117 100

82 54.0 44.6 67.0

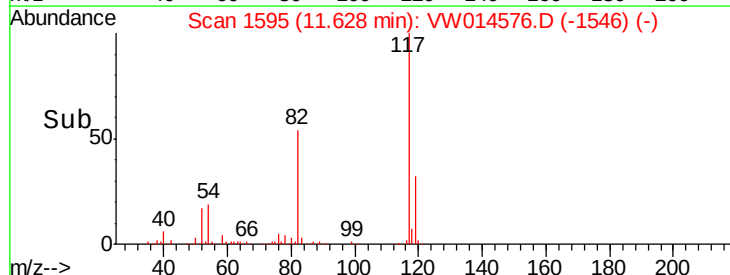
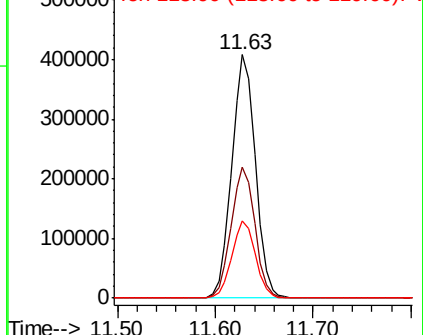
119 32.0 25.7 38.5

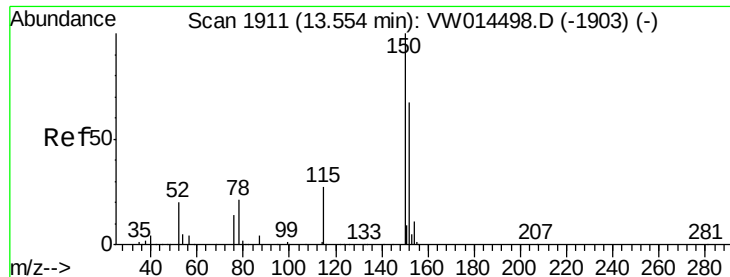


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

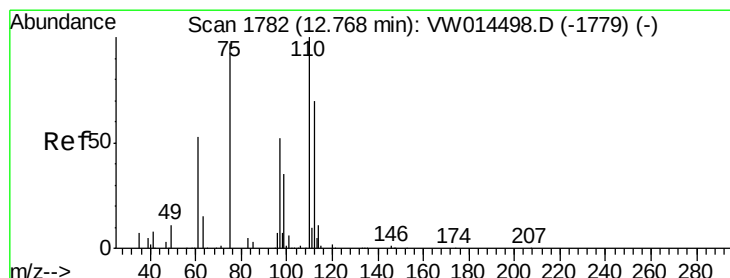
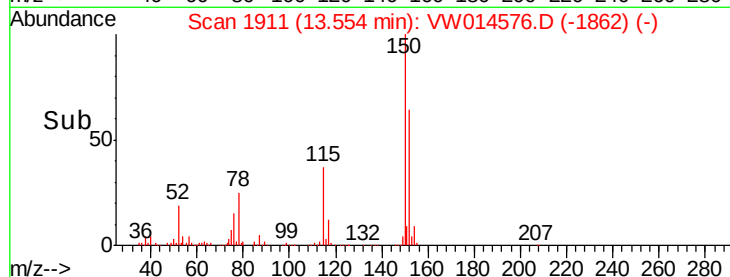
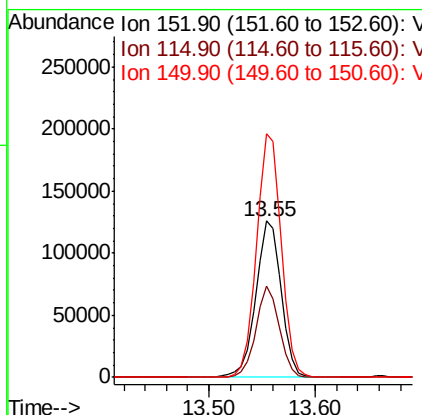
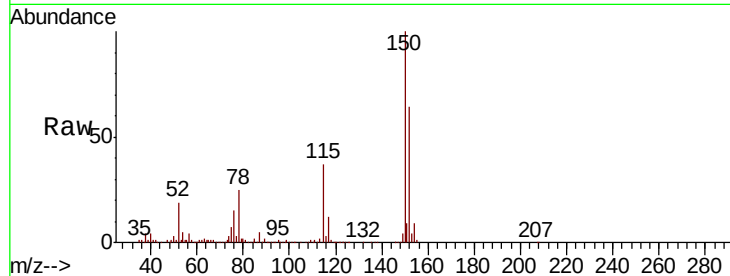




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW014576.D
 Acq: 09 Jan 2020 12:32

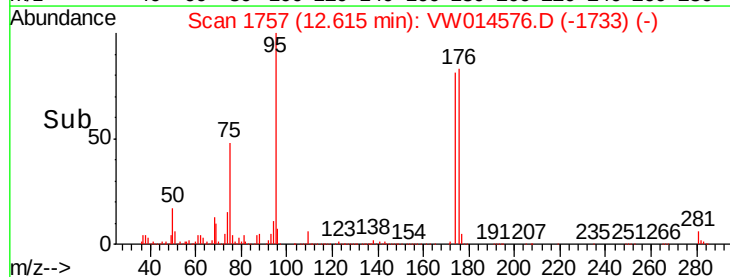
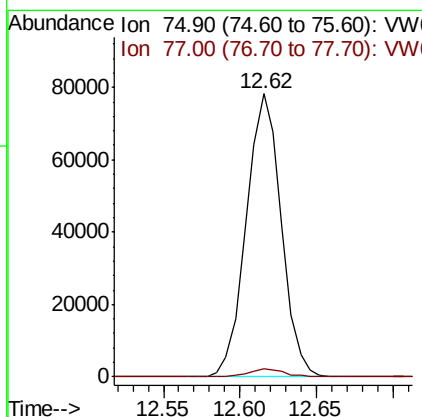
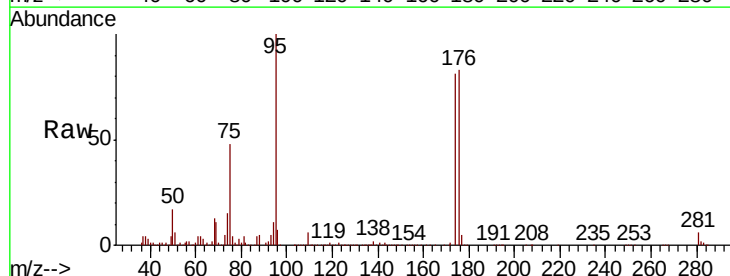
Instrument :
 MSVOA_W
 ClientSampleId :

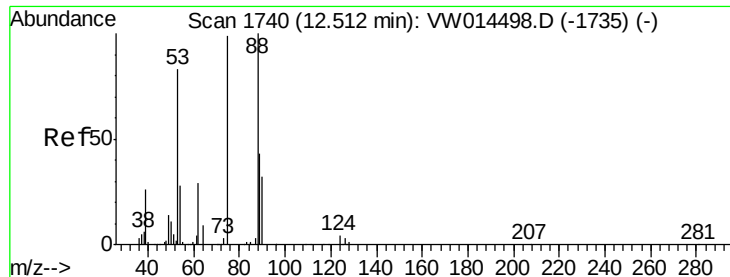
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.7	83.1
150	151.3	0.0	343.4



#76
 1,2,3-Trichloropropane
 Concen: 62.498 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014576.D
 Acq: 09 Jan 2020 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	3.0	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 139.247 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014576.D

Acq: 09 Jan 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

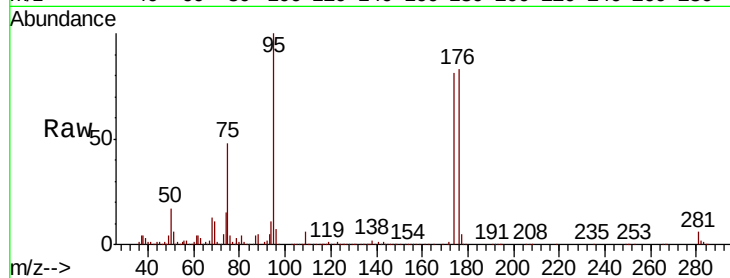
Tot Ion: 75 Resp: 124246

Ion Ratio Lower Upper

75 100

53 1.9 70.9 106.3#

89 0.0 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

