

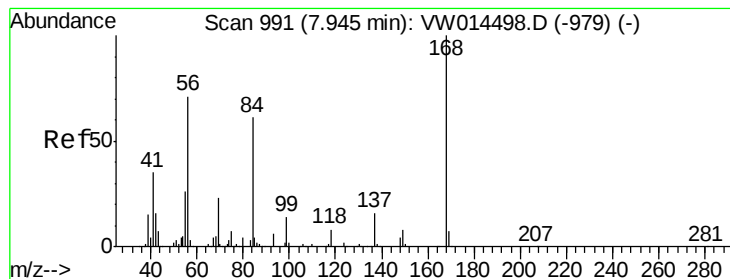
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014565.D
 Acq On : 08 Jan 2020 17:41
 Operator : SY/VA
 Sample : L1056-06
 Misc : 8.79G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 00:55:46 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	573847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	887050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	597610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	188609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	219222	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
35) Dibromofluoromethane	7.88	113	222898	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	
50) Toluene-d8	10.32	98	854923	40.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.82%	
62) 4-Bromofluorobenzene	12.62	95	204820	28.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.16	59	856	Below Cal	#	73
16) Acetone	4.12	43	20862	14.726	ug/l	92
18) Methyl Acetate	4.68	43	5989	1.750	ug/l	98
20) Methylene Chloride	4.91	84	34208	1.596	ug/l	93
25) 2-Butanone	7.18	43	5839	3.212	ug/l	93
36) 1,1-Dichloropropene	7.94	75	40198	4.701	ug/l #	49
37) Ethyl Acetate	7.18	43	5839	1.506	ug/l #	67
38) Carbon Tetrachloride	7.95	117	50835	6.852	ug/l #	17
56) Ethyl methacrylate	10.62	69	12773	2.296	ug/l #	87
59) 2-Hexanone	10.93	43	122055	48.430	ug/l #	27
65) Chlorobenzene	11.66	112	17342	1.416	ug/l	95
74) N-amyl acetate	12.25	43	141329	45.545	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.68	83	10857	4.346	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	93467	52.413	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93467	116.779	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

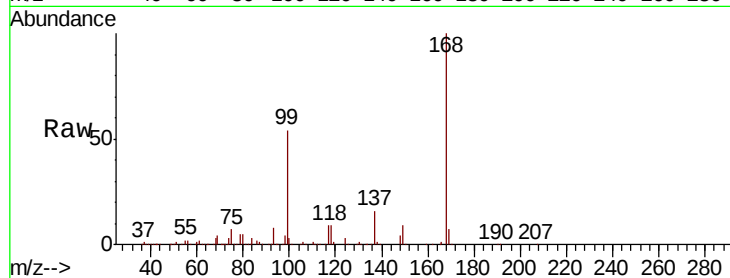
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 573847

Ion Ratio Lower Upper

168 100

99 53.6 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

250000

200000

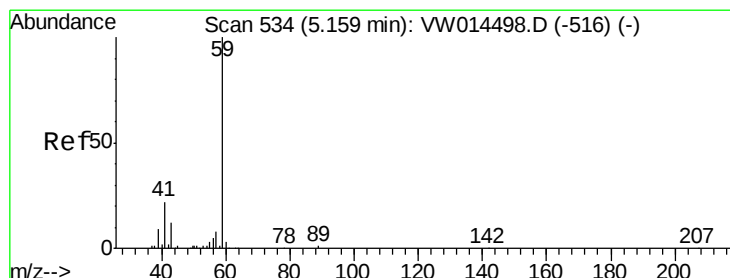
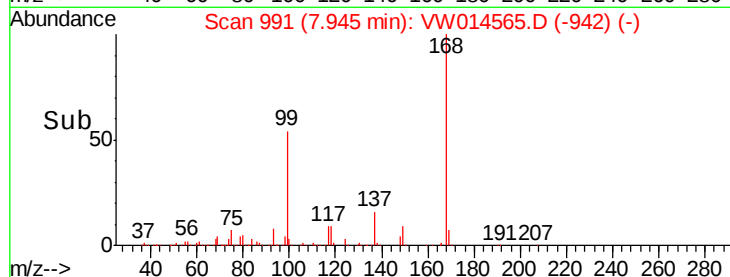
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014565.D

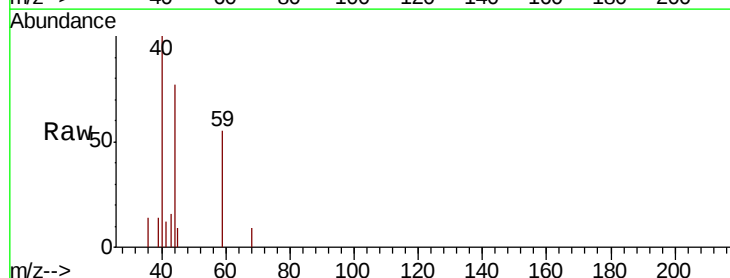
Acq: 08 Jan 2020 17:41

Tgt Ion: 59 Resp: 856

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

400

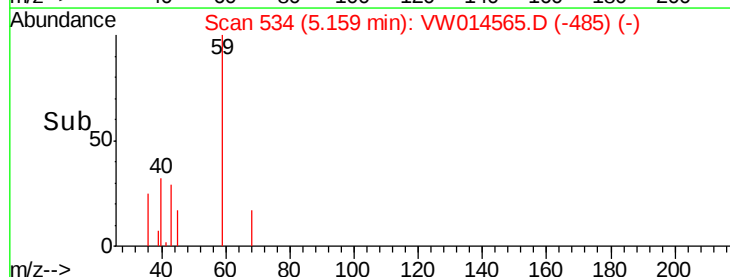
300

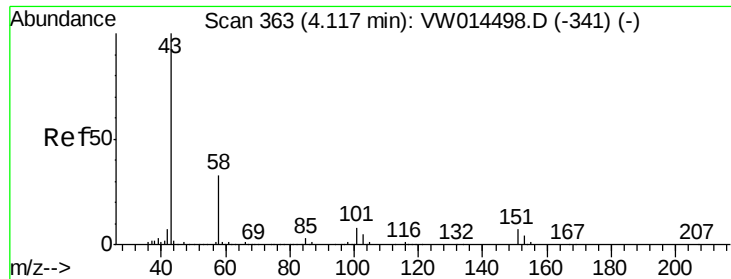
200

100

0

Time-->

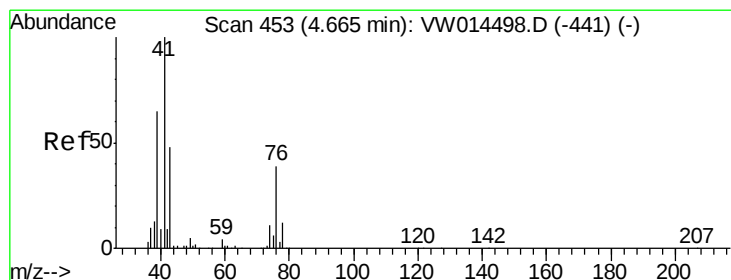
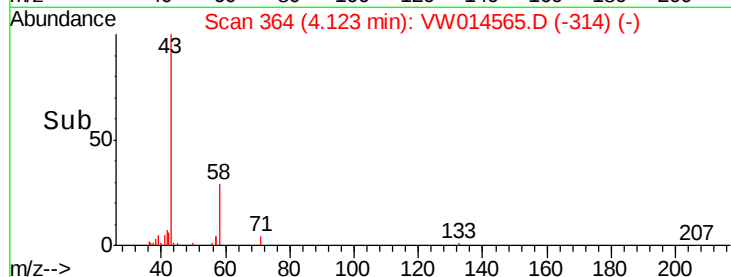
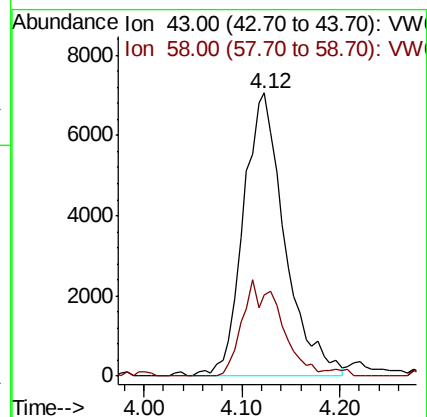
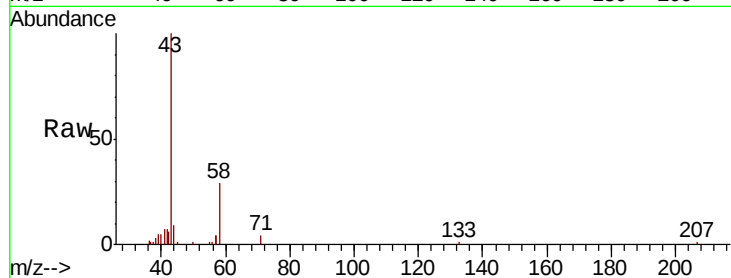




#16
Acetone
Concen: 14.726 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

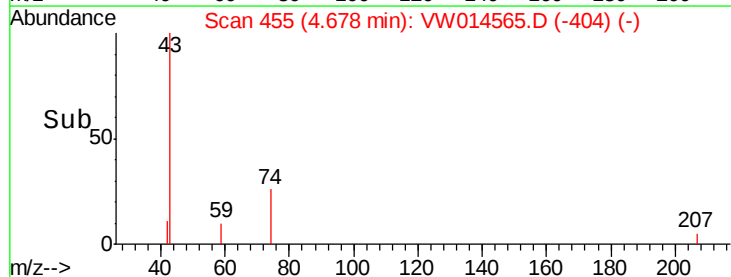
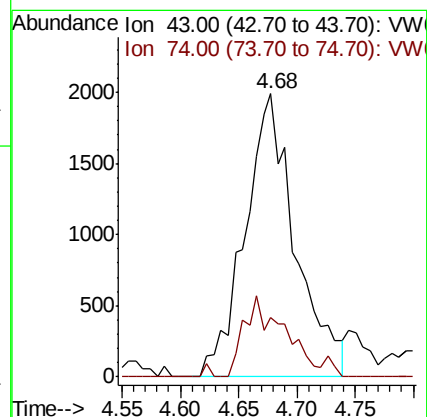
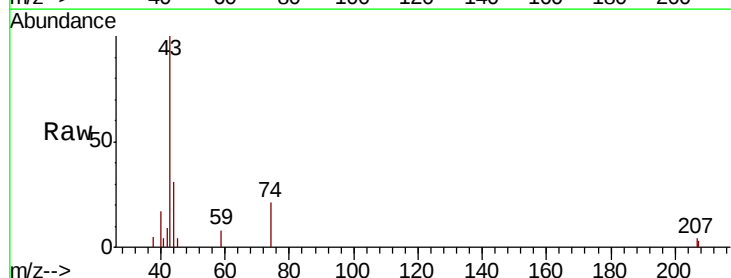
Instrument :
MSVOA_W
ClientSampled :

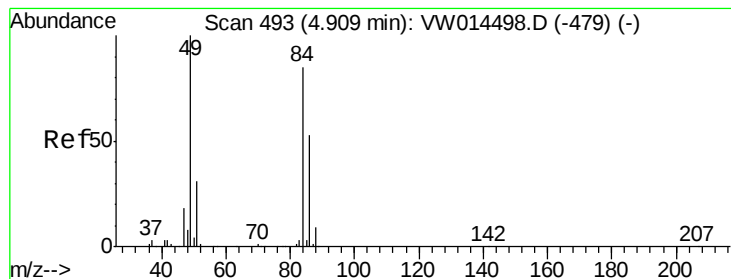
Tot Ion: 43 Resp: 20862
Ion Ratio Lower Upper
43 100
58 28.8 26.6 39.8



#18
Methyl Acetate
Concen: 1.750 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

Tgt Ion: 43 Resp: 5989
Ion Ratio Lower Upper
43 100
74 23.0 19.3 28.9





#20

Methvlene Chloride

Concen: 1.596 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 34208

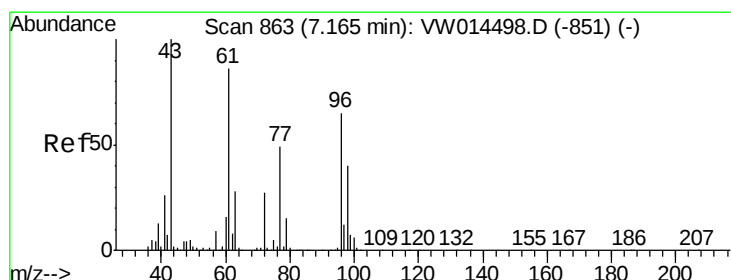
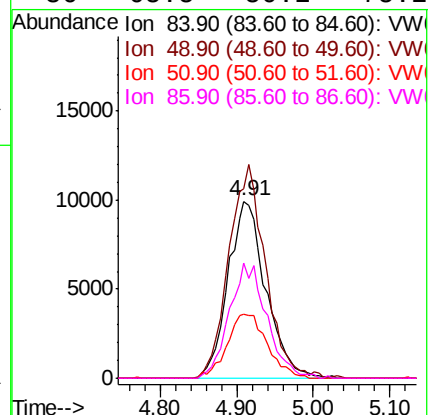
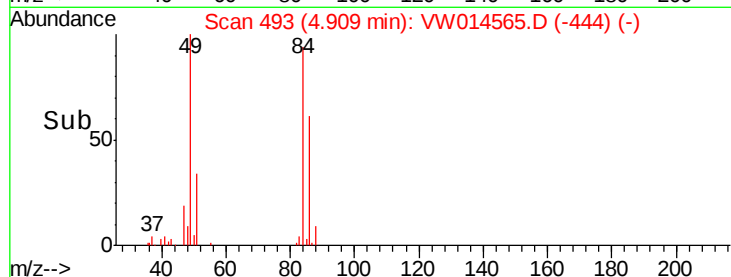
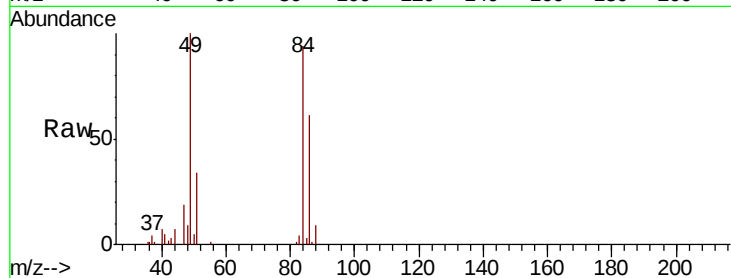
Ion Ratio Lower Upper

84 100

49 106.9 94.4 141.6

51 36.0 29.5 44.3

86 65.5 50.2 75.2



#25

2-Butanone

Concen: 3.212 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014565.D

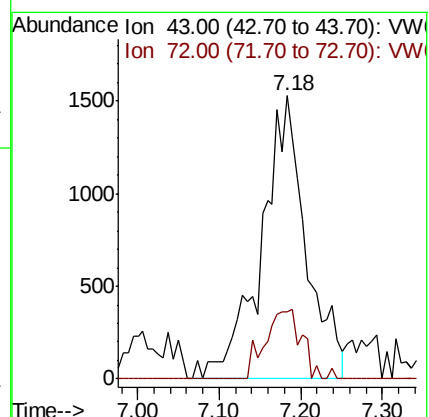
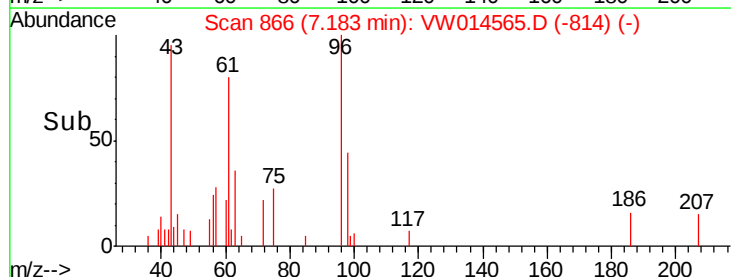
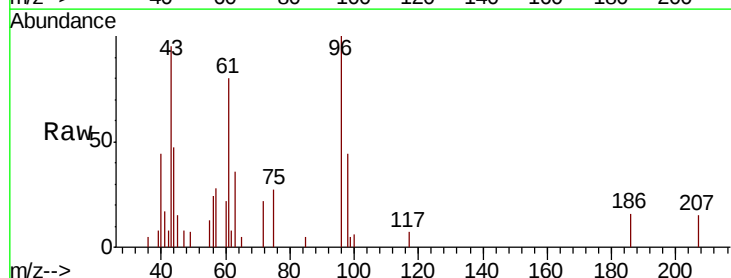
Acq: 08 Jan 2020 17:41

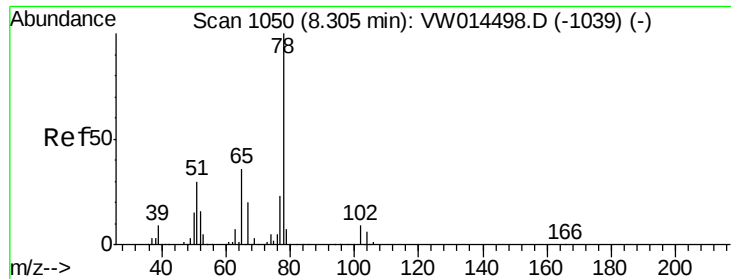
Tgt Ion: 43 Resp: 5839

Ion Ratio Lower Upper

43 100

72 23.5 21.9 32.9

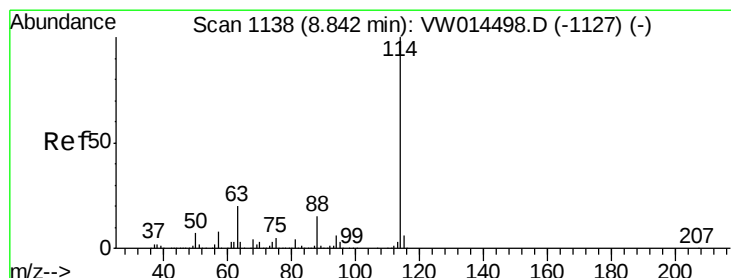
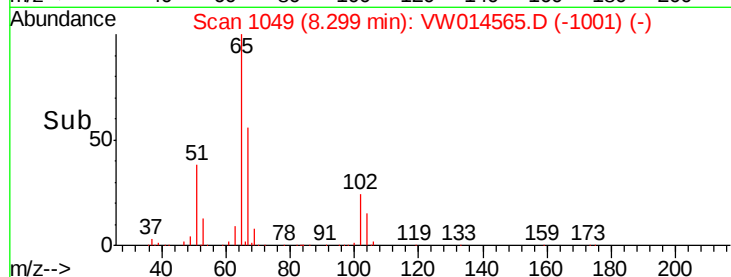
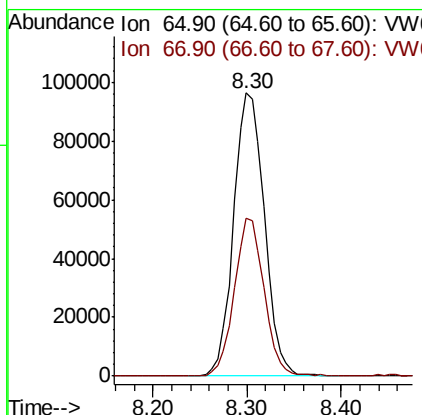
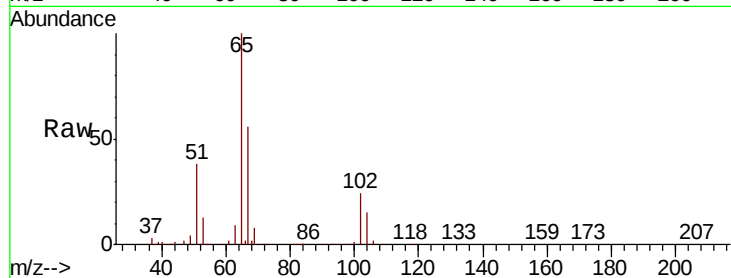




#33
 1,2-Dichloroethane-d4
 Concen: 43.694 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014565.D
 Acq: 08 Jan 2020 17:41

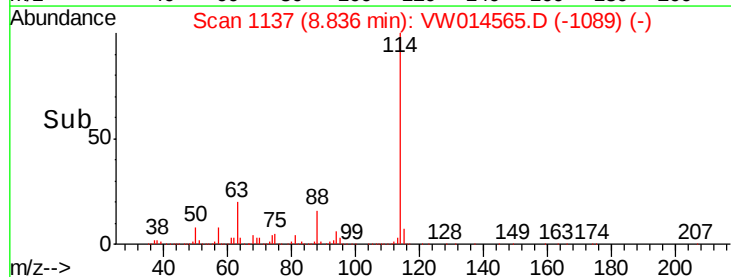
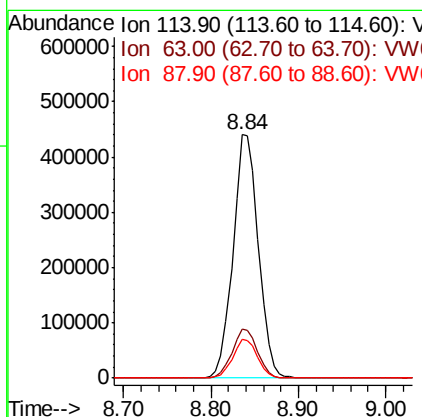
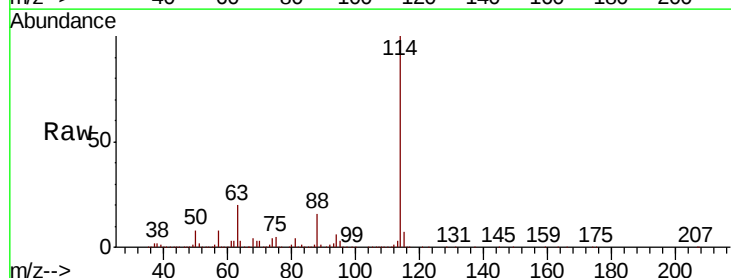
Instrument :
 MSVOA_W
 ClientSampleId :

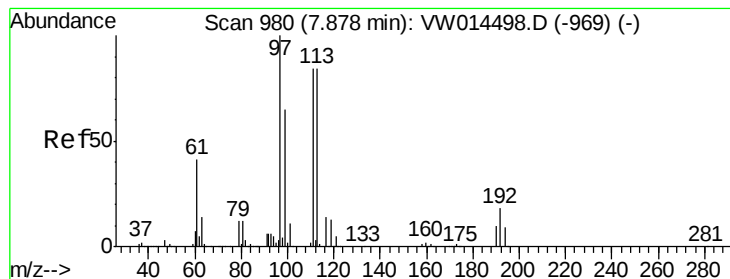
Tot Ion: 65 Resp: 219222
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014565.D
 Acq: 08 Jan 2020 17:41

Tgt Ion: 114 Resp: 887050
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 43.967 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

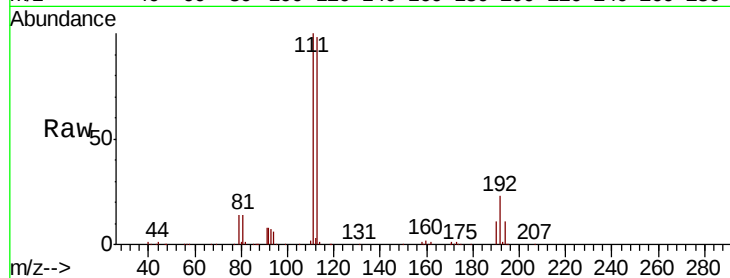
Tot Ion:113 Resp: 222898

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

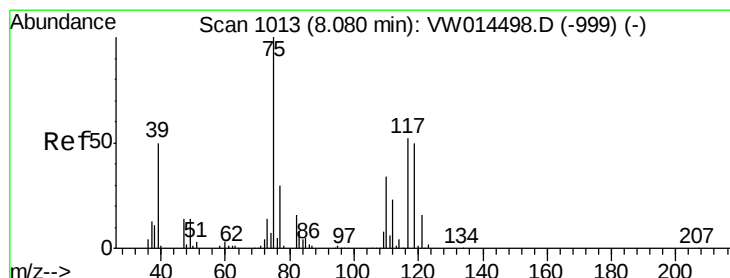
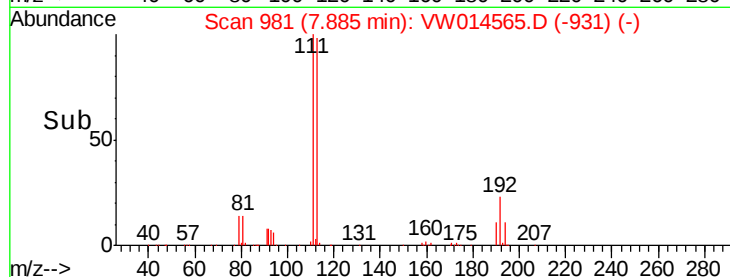
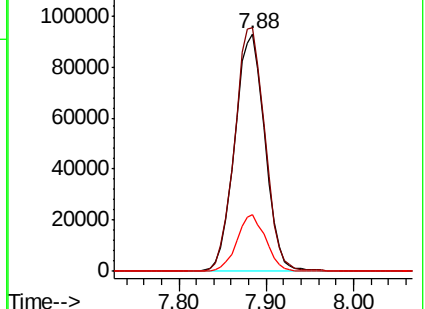
192 22.9 17.8 26.8



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: 4.701 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

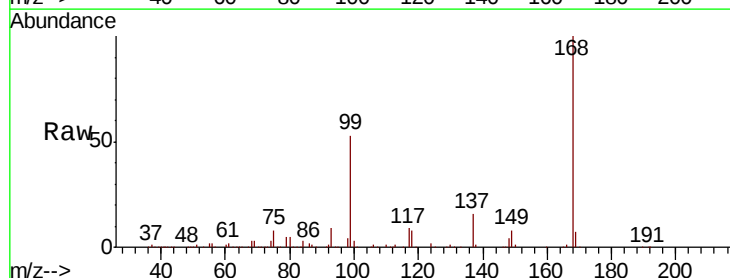
Tgt Ion: 75 Resp: 40198

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

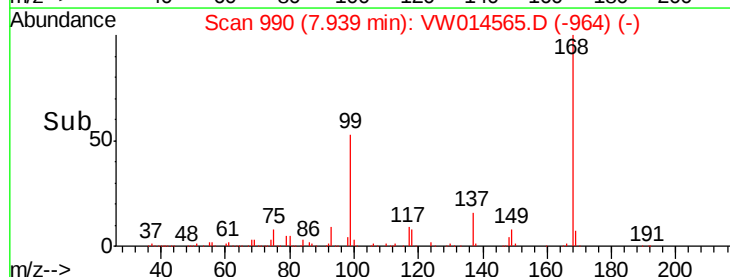
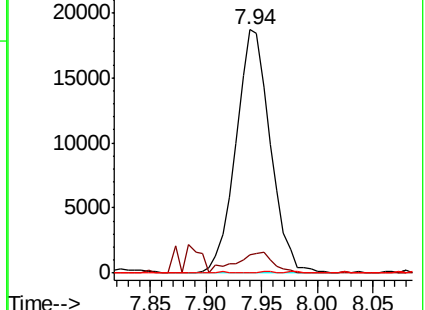
77 0.4 24.7 37.1#

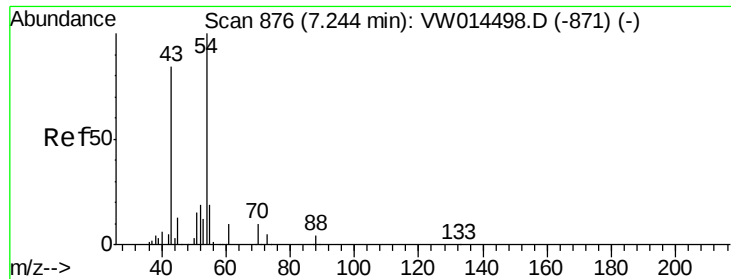


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.506 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.06 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :
MSVOA_W
ClientSampled :

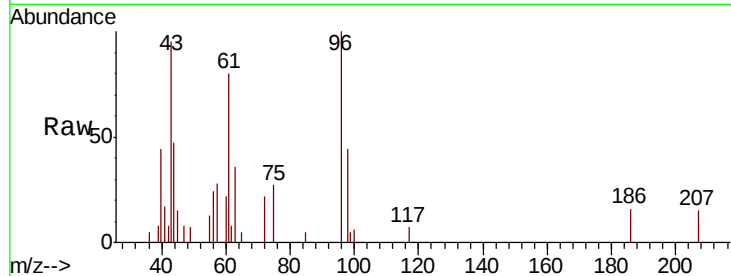
Tot Ion: 43 Resp: 5839

Ion Ratio Lower Upper

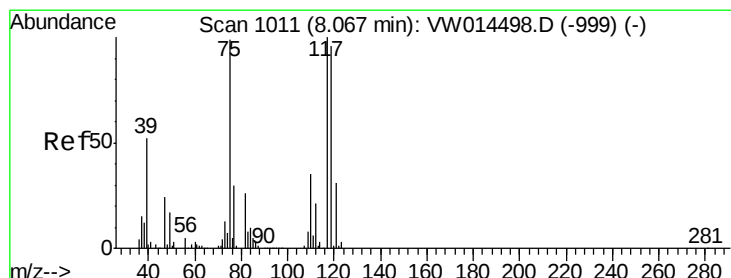
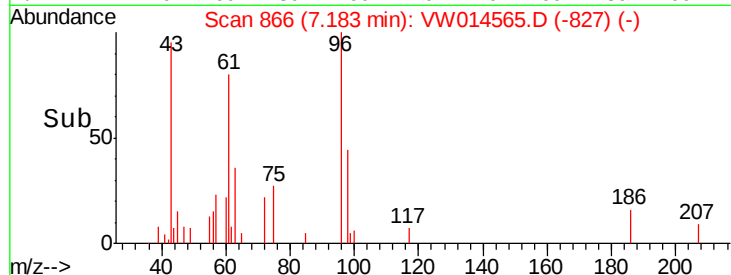
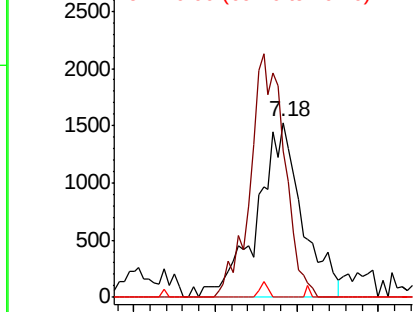
43 100

61 0.0 11.7 17.5#

70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

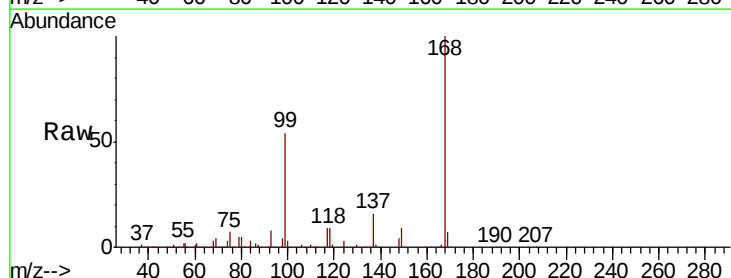
Tgt Ion: 117 Resp: 50835

Ion Ratio Lower Upper

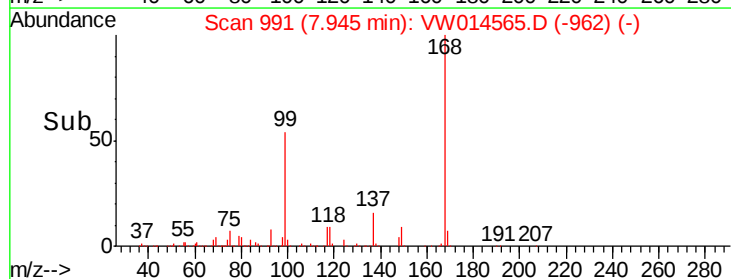
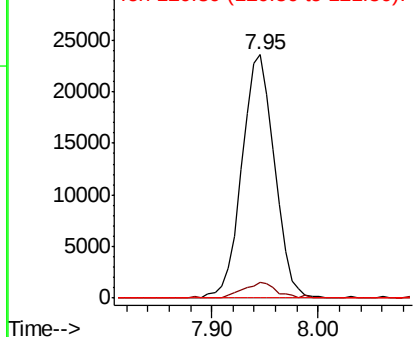
117 100

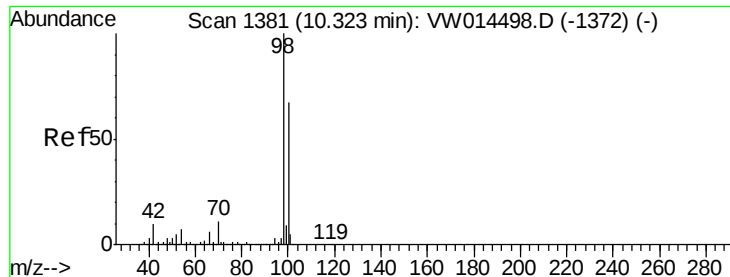
119 6.4 77.0 115.6#

121 0.0 24.6 36.8#



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: 40.409 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :

MSVOA_W

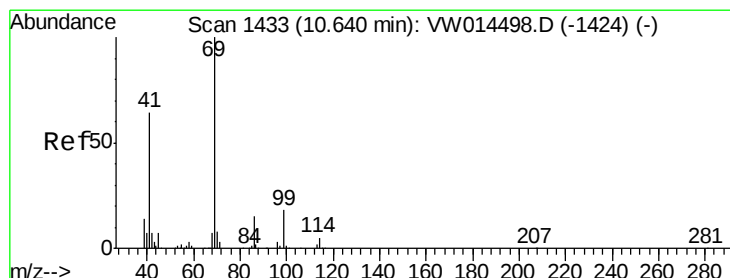
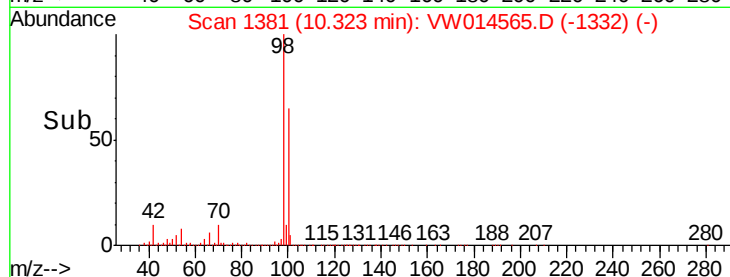
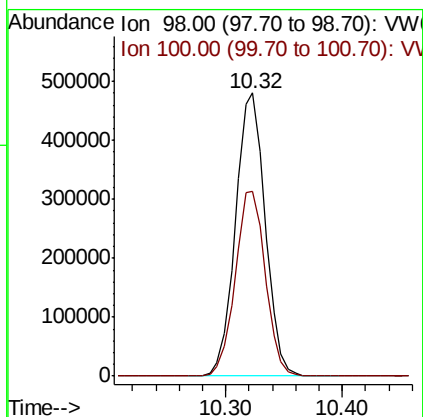
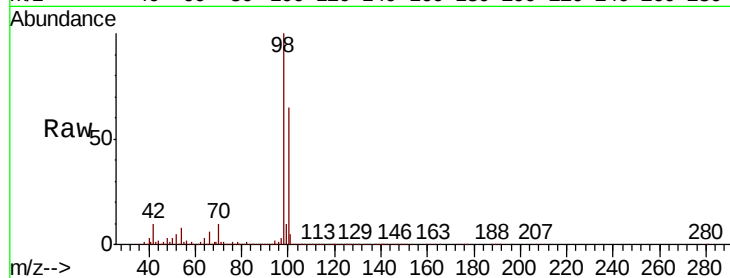
ClientSampleId :

Tot Ion: 98 Resp: 854923

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6



#56

Ethyl methacrylate

Concen: 2.296 ug/l

RT: 10.62 min Scan# 1430

Delta R.T. -0.02 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

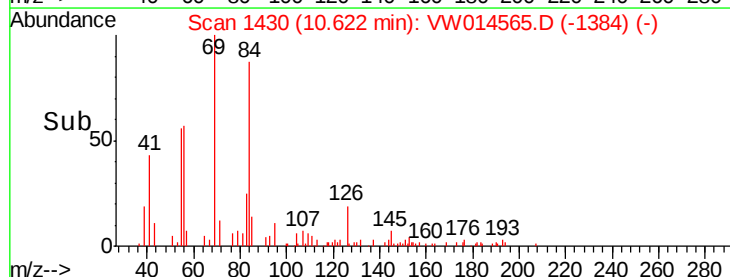
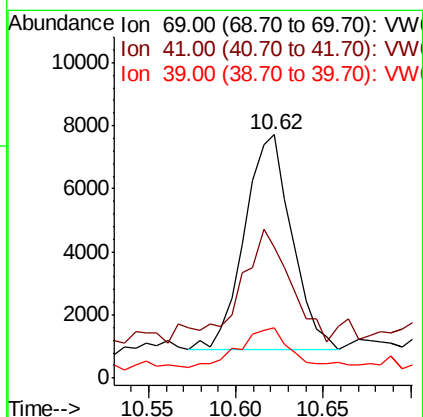
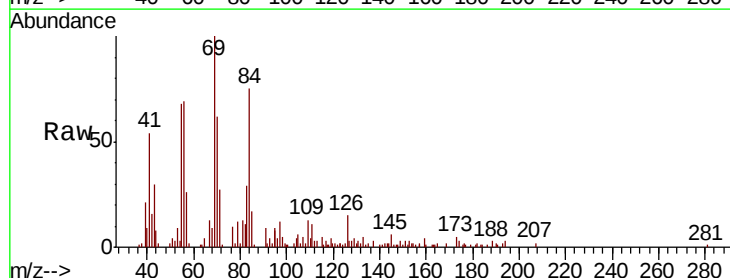
Tgt Ion: 69 Resp: 12773

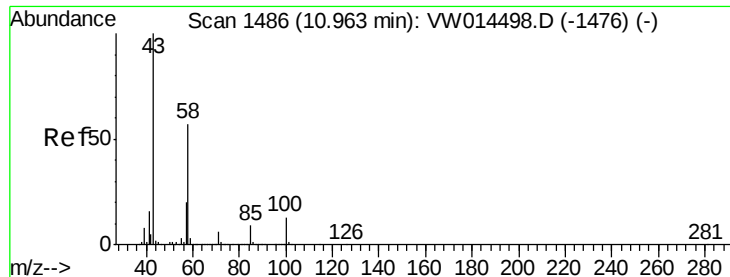
Ion Ratio Lower Upper

69 100

41 52.9 51.3 76.9

39 20.5 21.0 31.6#

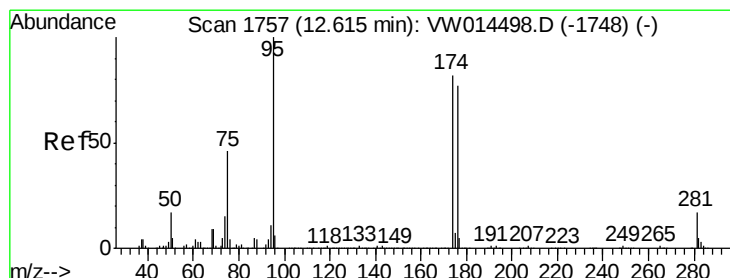
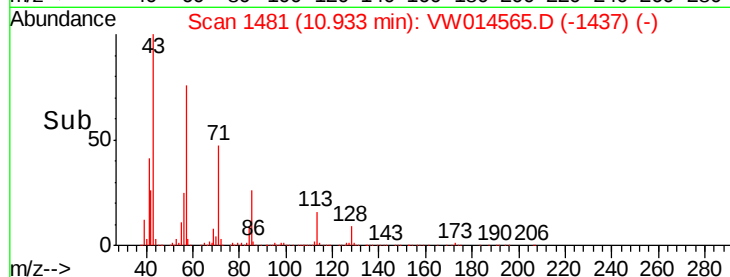
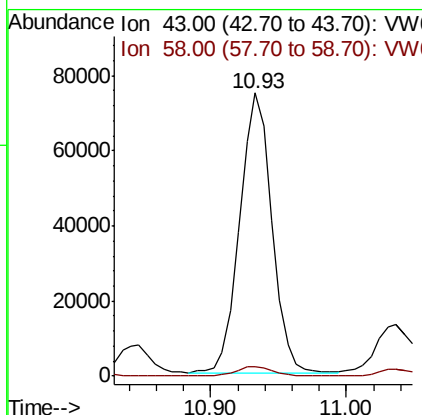
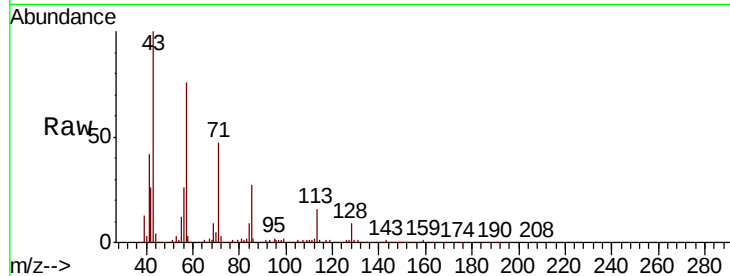




#59
2-Hexanone
Concen: 48.430 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

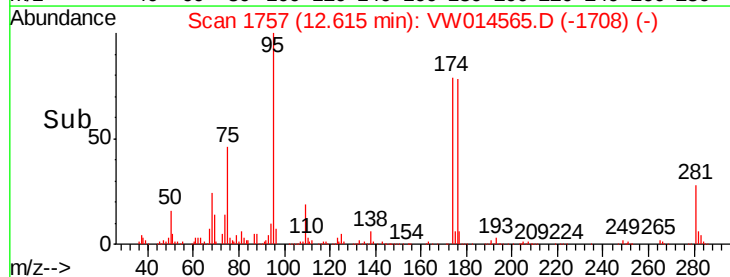
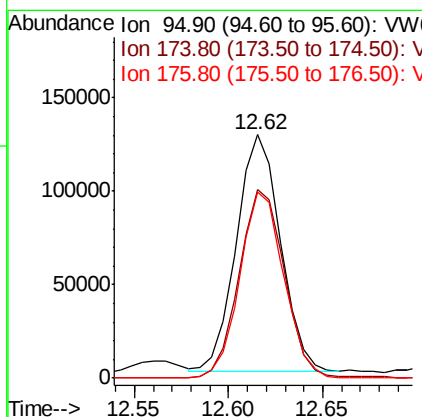
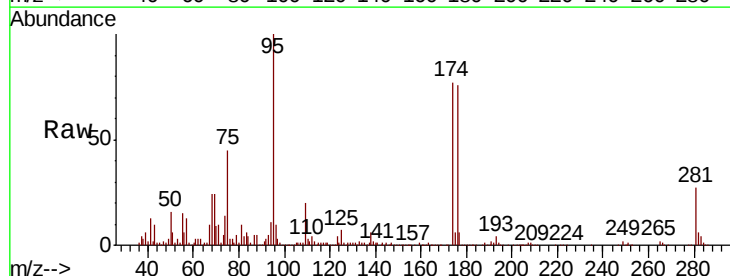
Instrument :
MSVOA_W
ClientSampleId :

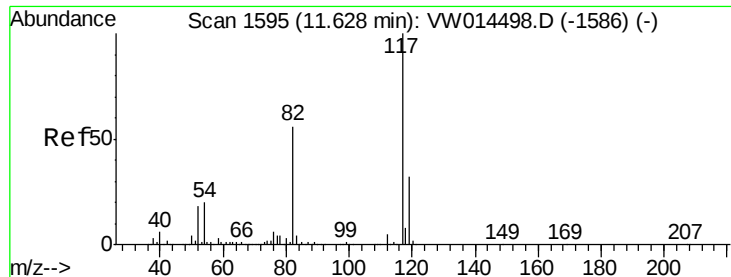
Tot Ion: 43 Resp: 122055
Ion Ratio Lower Upper
43 100
58 3.8 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 28.542 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

Tgt Ion: 95 Resp: 204820
Ion Ratio Lower Upper
95 100
174 82.8 0.0 168.6
176 79.1 0.0 162.0

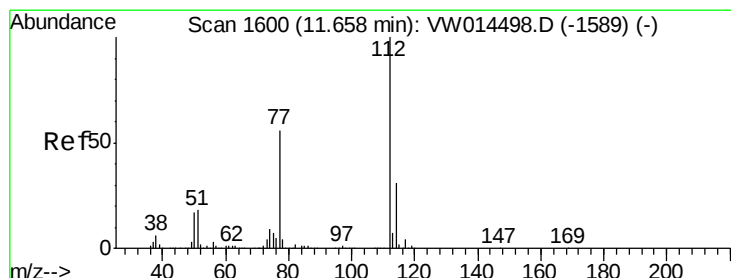
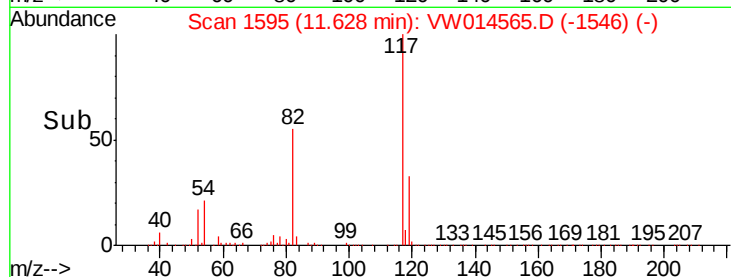
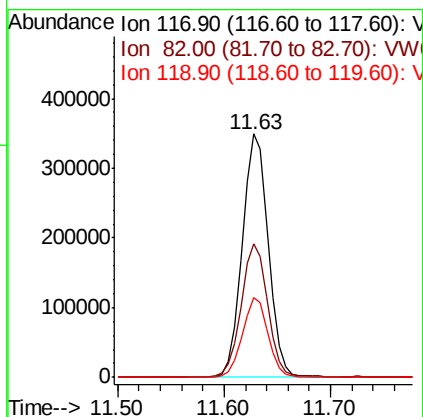
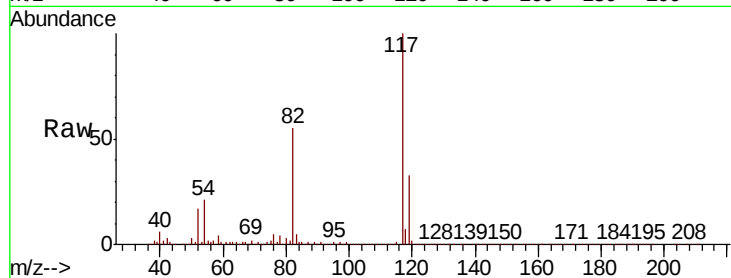




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

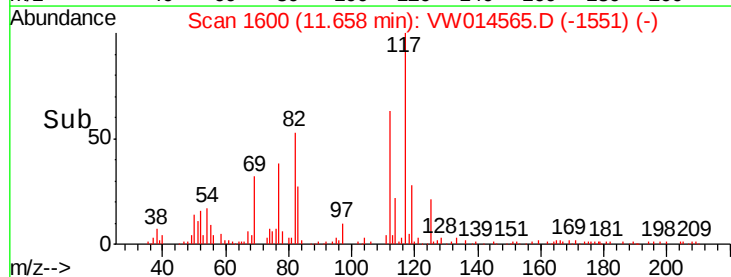
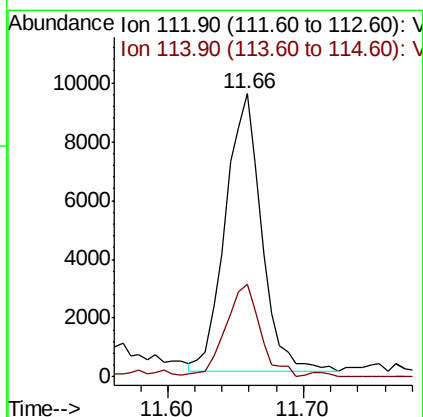
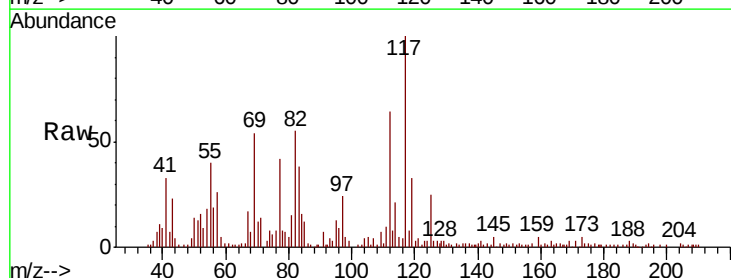
Instrument :
MSVOA_W
ClientSampleId :

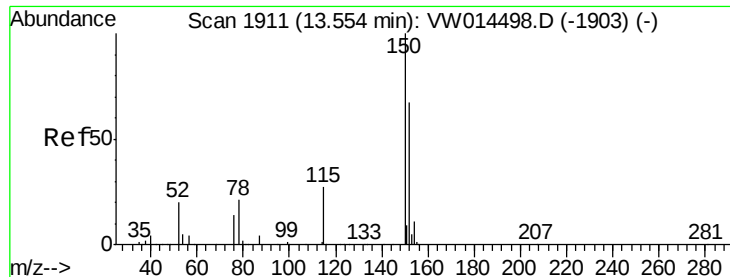
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	32.6	25.7	38.5



#65
Chlorobenzene
Concen: 1.416 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.6	24.6	37.0



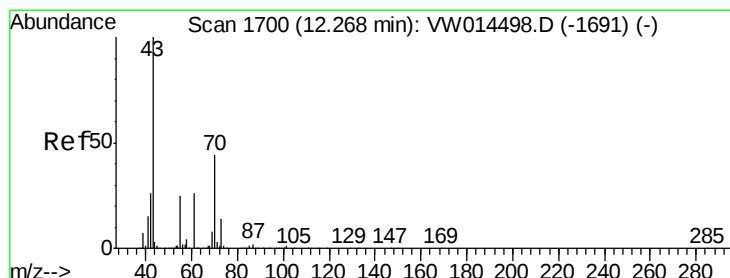
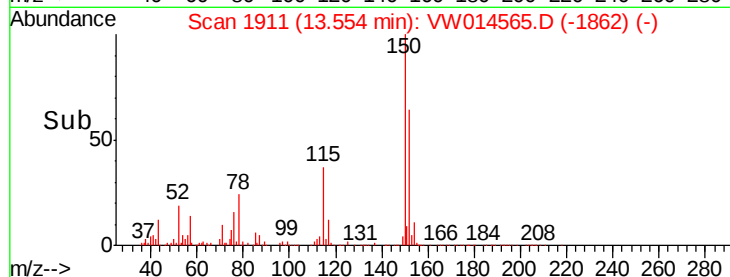
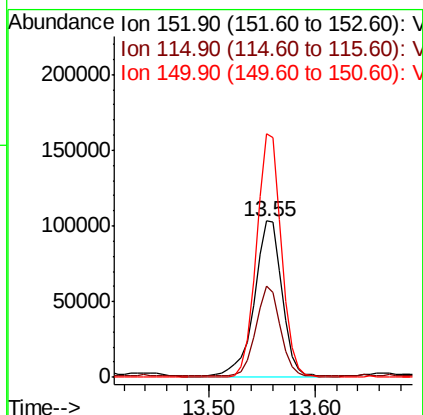
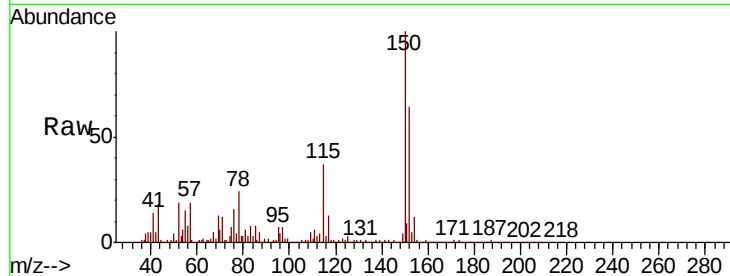


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

Instrument :
MSVOA_W
ClientSampleId :

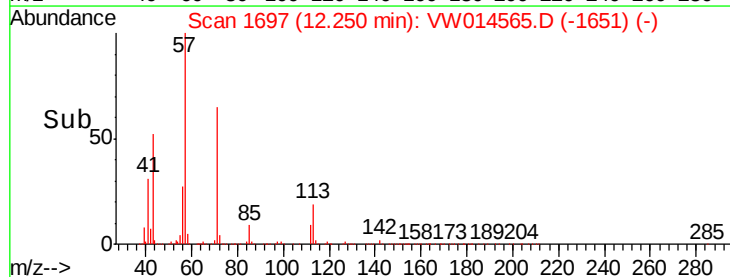
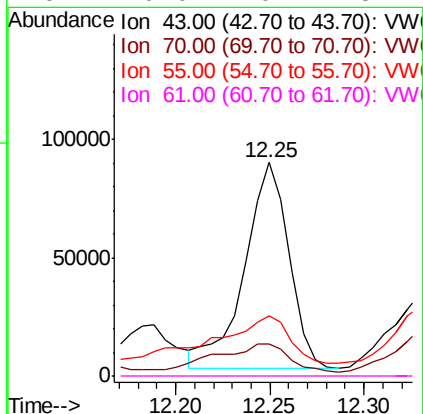
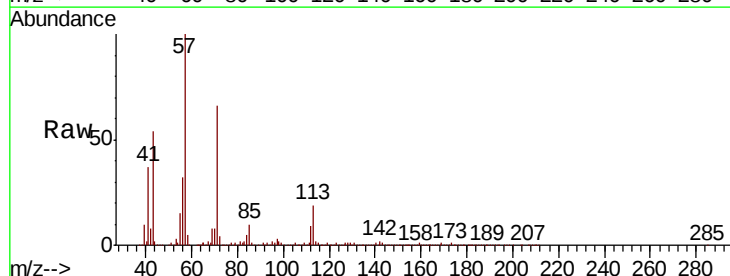
Tot Ion	Ratio	Lower	Upper
152	100		
115	50.7	27.7	83.1
150	139.1	0.0	343.4

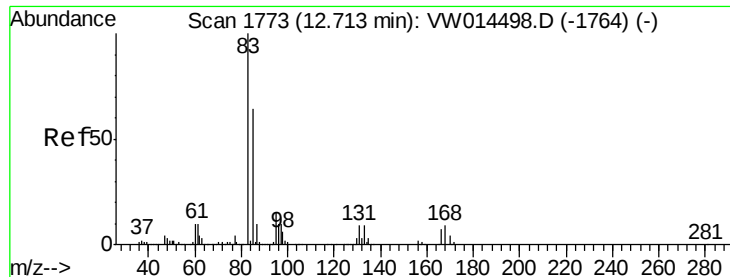


#74

N-ethyl acetate
Concen: 45.545 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014565.D
Acq: 08 Jan 2020 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	22.3	36.5	54.7#
55	38.3	20.9	31.3#
61	0.0	20.7	31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.346 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :

MSVOA_W

ClientSampled :

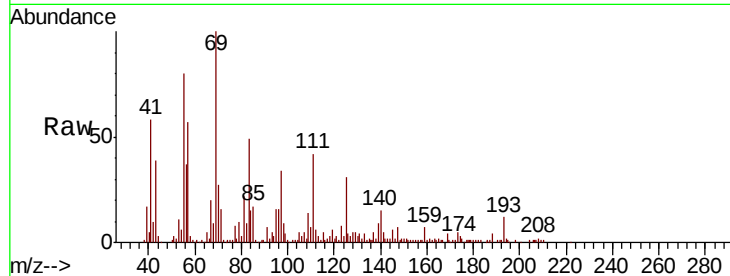
Tot Ion: 83 Resp: 10857

Ion Ratio Lower Upper

83 100

131 2.0 5.1 15.4#

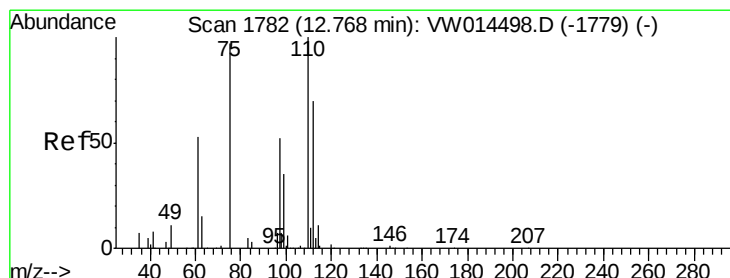
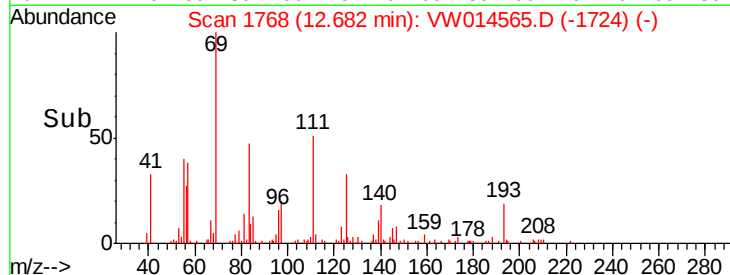
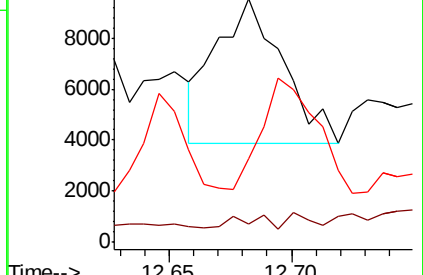
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 52.413 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014565.D

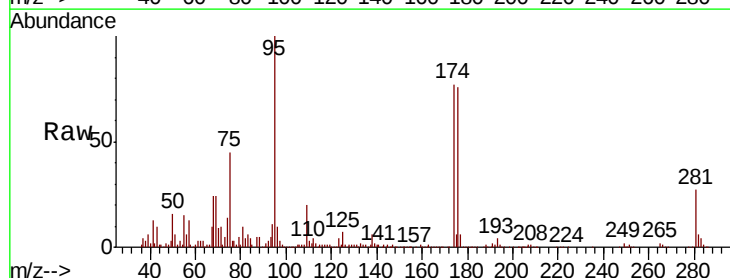
Acq: 08 Jan 2020 17:41

Tgt Ion: 75 Resp: 93467

Ion Ratio Lower Upper

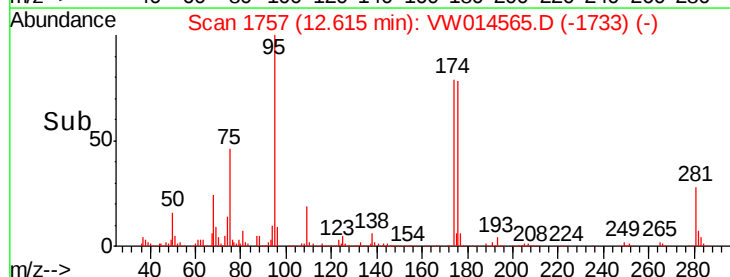
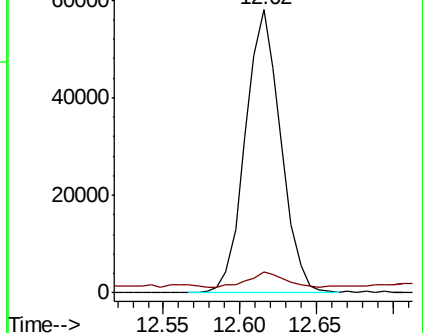
75 100

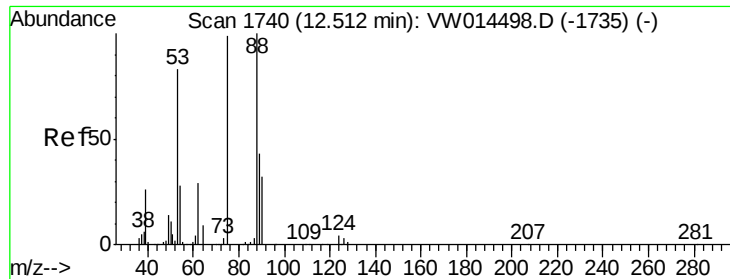
77 5.5 0.0 0.0#



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: 116.779 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014565.D

Acq: 08 Jan 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

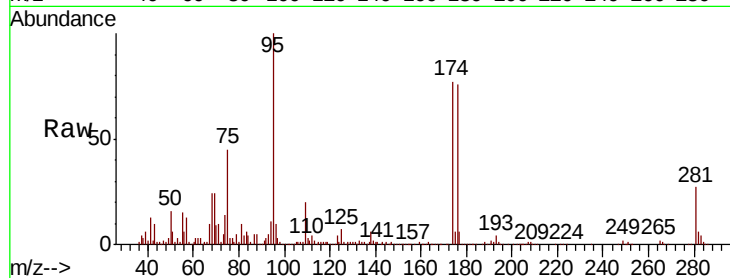
Tot Ion: 75 Resp: 93467

Ion Ratio Lower Upper

75 100

53 5.3 70.9 106.3#

89 0.5 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

