

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014588.D
 Acq On : 09 Jan 2020 17:47
 Operator : SY/VA
 Sample : L1063-03
 Misc : 3.243G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:48:39 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	594299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	922977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	655143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	222146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	321646	61.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.80%	
35) Dibromofluoromethane	7.88	113	315019	59.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.44%	
50) Toluene-d8	10.32	98	1129616	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.62	95	302547	40.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.04%	

Target Compounds

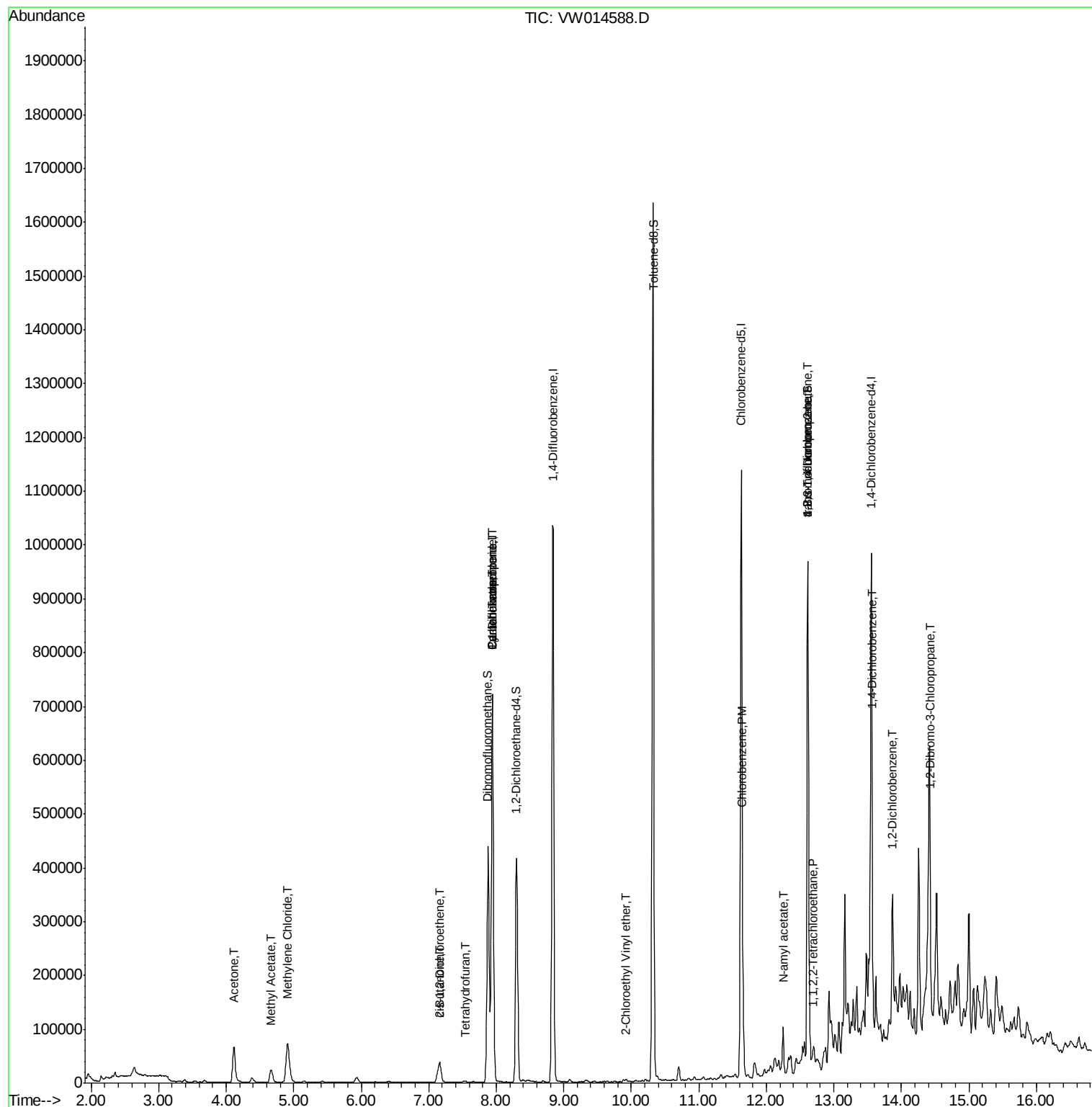
					Qvalue	
11) Tert butyl alcohol	5.15	59	2723	Below Cal	#	88
16) Acetone	4.12	43	116243	79.228	ug/l	100
18) Methyl Acetate	4.67	43	47055	13.279	ug/l	100
20) Methylene Chloride	4.91	84	66114	7.281	ug/l	97
25) 2-Butanone	7.17	43	7105	3.773	ug/l	90
27) cis-1,2-Dichloroethene	7.16	96	17287	2.620	ug/l	94
29) Tetrahydrofuran	7.54	42	1743	1.494	ug/l	# 43
31) Cyclohexane	7.95	56	11105	1.001	ug/l	# 1
36) 1,1-Dichloropropene	7.94	75	40273	4.526	ug/l	# 49
38) Carbon Tetrachloride	7.94	117	52116	6.751	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.93	63	2051	1.165	ug/l	# 89
65) Chlorobenzene	11.65	112	74976	5.586	ug/l	98
74) N-amyl acetate	12.25	43	17797	4.870	ug/l	# 68
75) 1,1,2,2-Tetrachloroethane	12.68	83	3885	1.320	ug/l	# 1
76) 1,2,3-Trichloropropane	12.62	75	141944	67.581	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	141944	150.573	ug/l	# 15
88) 1,4-Dichlorobenzene	13.57	146	19843	2.730	ug/l	# 57
91) 1,2-Dichlorobenzene	13.86	146	11549	1.785	ug/l	# 48
92) 1,2-Dibromo-3-Chloropropan	14.43	75	608	1.305	ug/l	83

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
Data File : VW014588.D
Acq On : 09 Jan 2020 17:47
Operator : SY/VA
Sample : L1063-03
Misc : 3.243G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 10 00:48:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
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: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

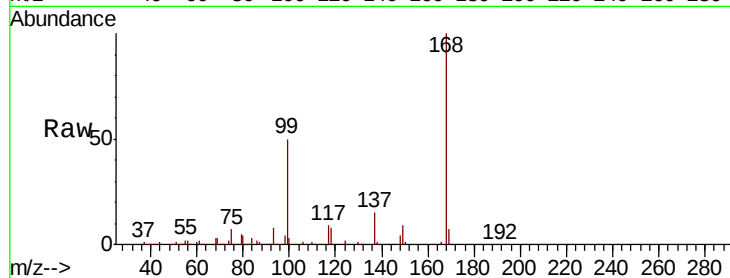
ClientSampleId :

Tot Ion:168 Resp: 594299

Ion Ratio Lower Upper

168 100

99 50.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

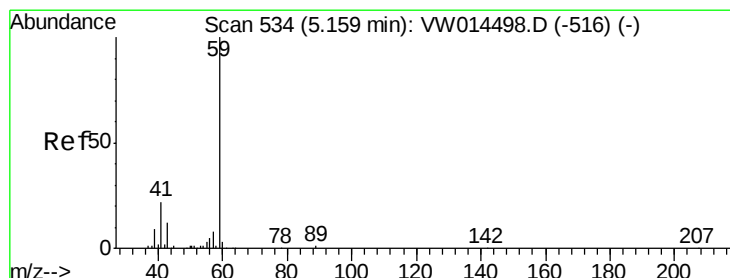
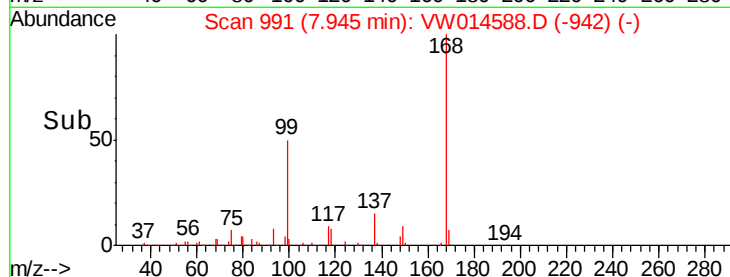
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014588.D

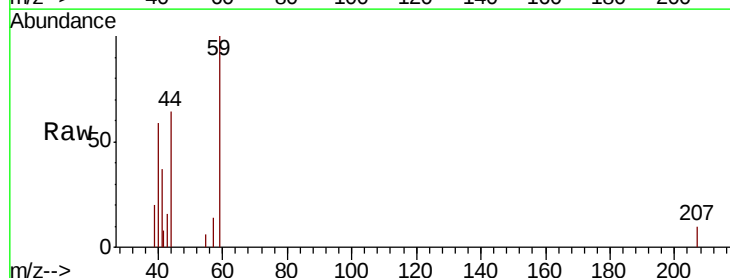
Acq: 09 Jan 2020 17:47

Tgt Ion: 59 Resp: 2723

Ion Ratio Lower Upper

59 100

57 5.2 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

1000

800

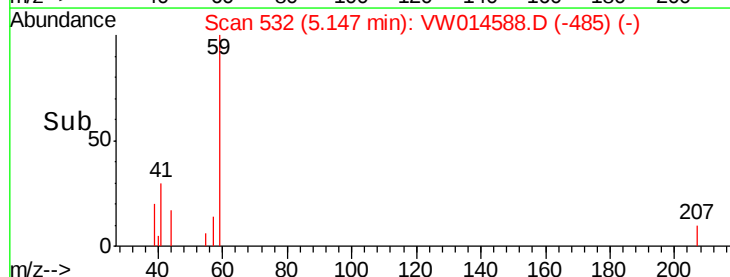
600

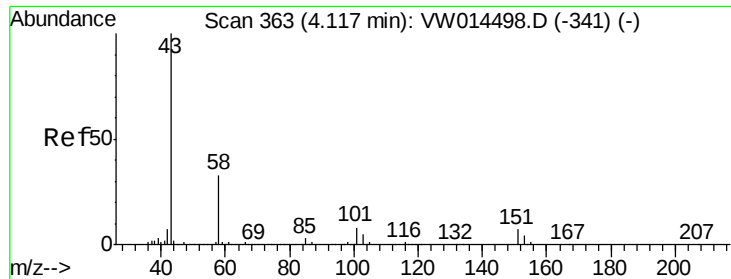
400

200

0

Time-->





#16

Acetone

Concen: 79.228 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

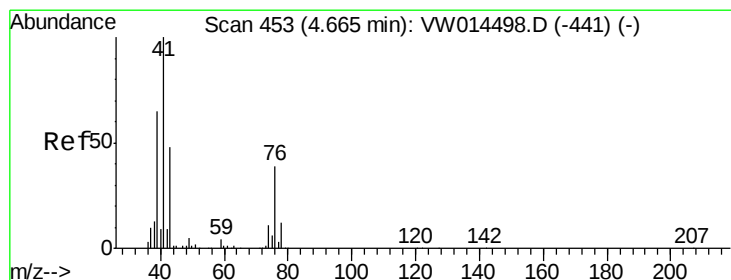
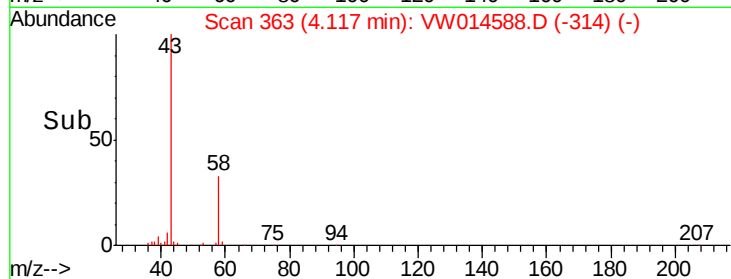
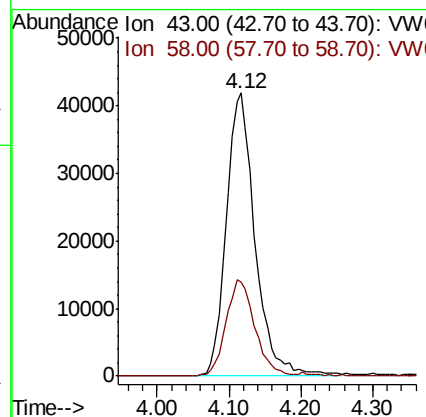
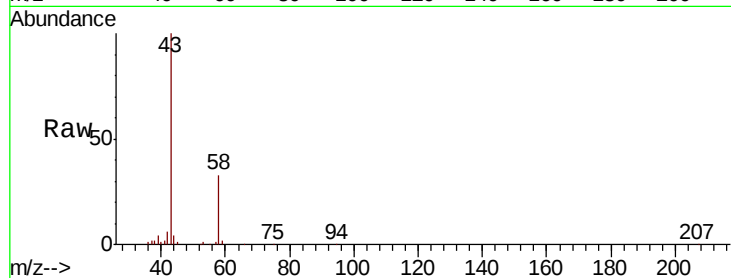
ClientSampleId :

Tot Ion: 43 Resp: 116243

Ion Ratio Lower Upper

43 100

58 33.3 26.6 39.8



#18

Methyl Acetate

Concen: 13.279 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014588.D

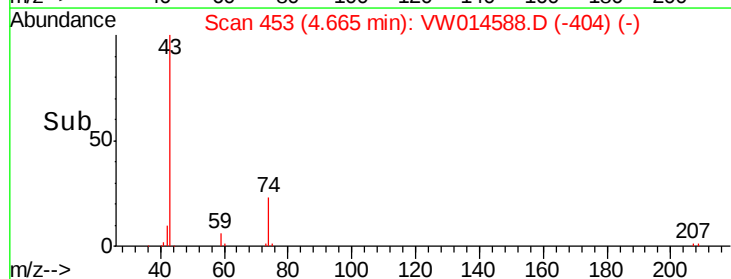
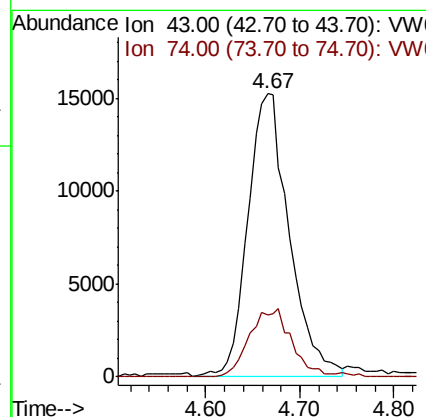
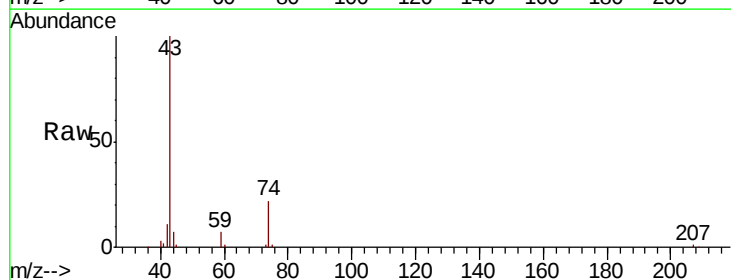
Acq: 09 Jan 2020 17:47

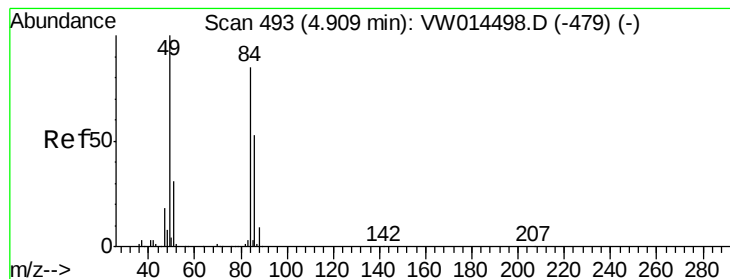
Tgt Ion: 43 Resp: 47055

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9





#20

Methylene Chloride

Concen: 7.281 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 66114

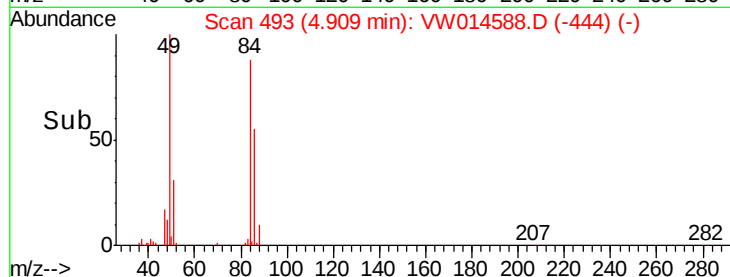
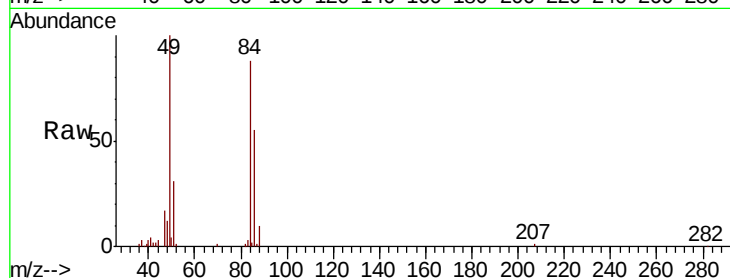
Ion Ratio Lower Upper

84 100

49 113.5 94.4 141.6

51 35.0 29.5 44.3

86 63.0 50.2 75.2



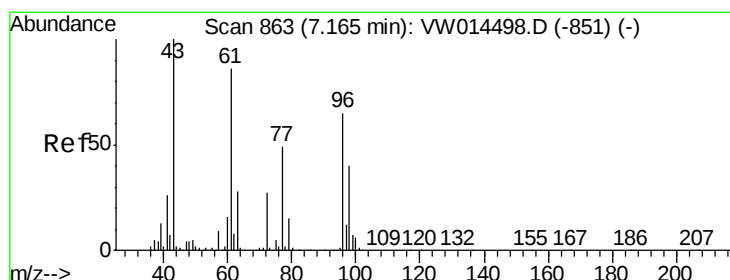
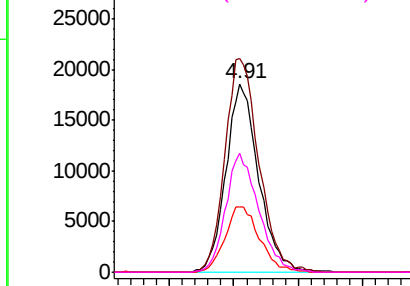
Abundance

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



#25

2-Butanone

Concen: 3.773 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014588.D

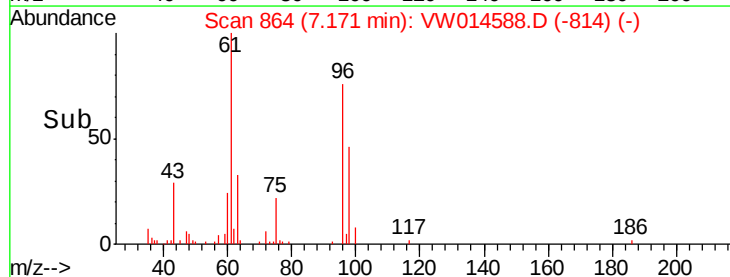
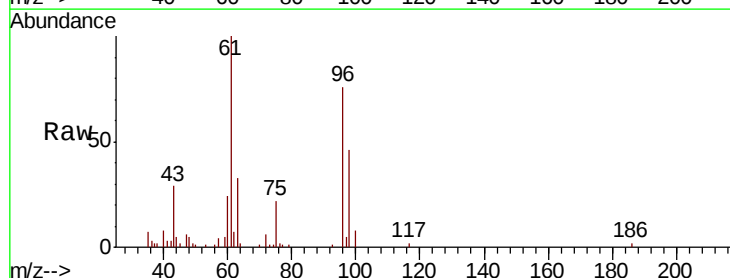
Acq: 09 Jan 2020 17:47

Tgt Ion: 43 Resp: 7105

Ion Ratio Lower Upper

43 100

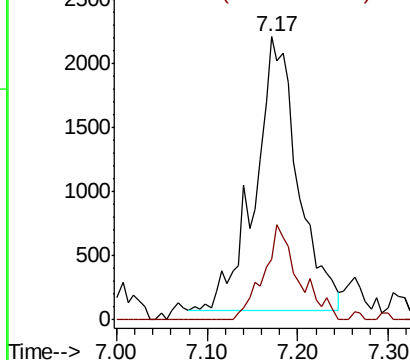
72 22.2 21.9 32.9

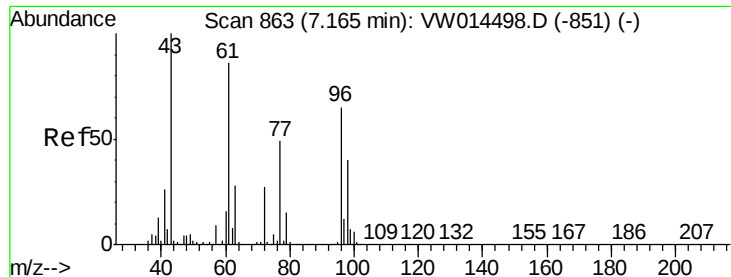


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



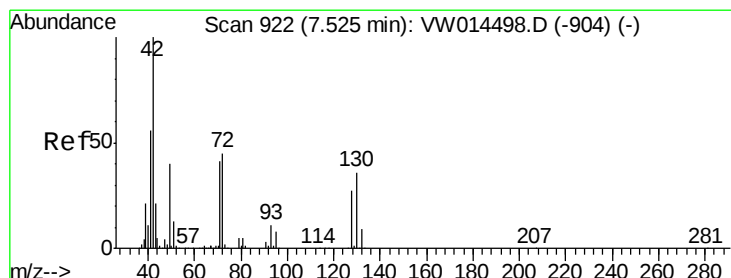
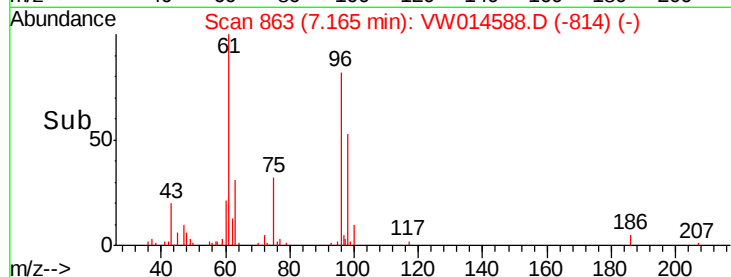
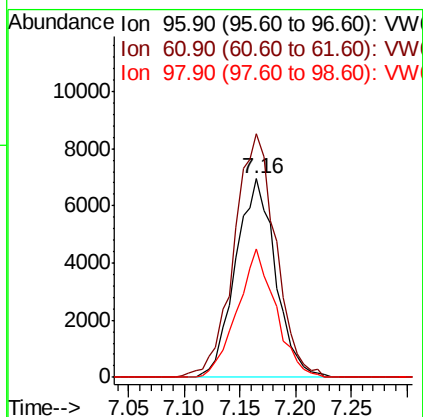
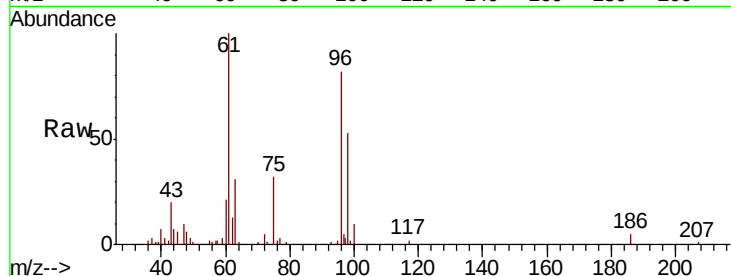


#27

cis-1,2-Dichloroethene
 Concen: 2.620 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Instrument :
 MSVOA_W
 ClientSampled :

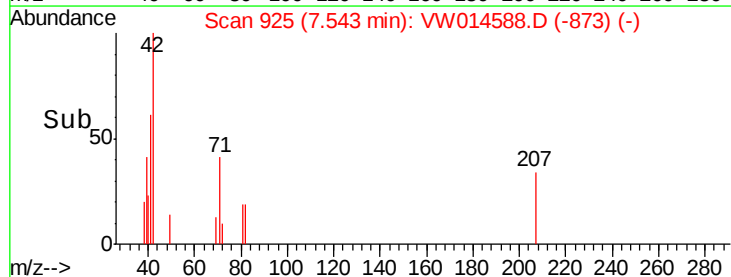
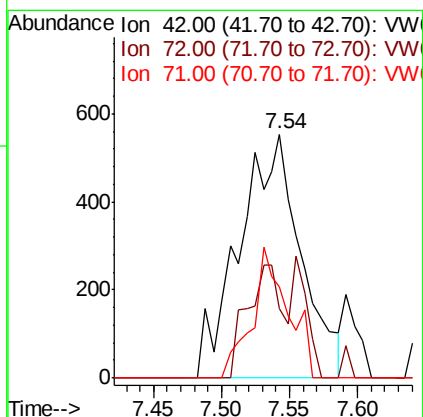
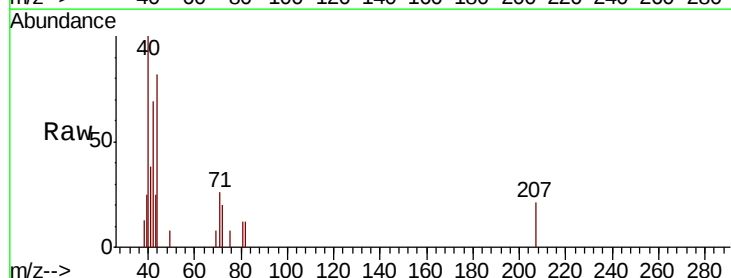
Tot Ion	96	Resp	17287
Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	274.8
98	62.2	0.0	128.6

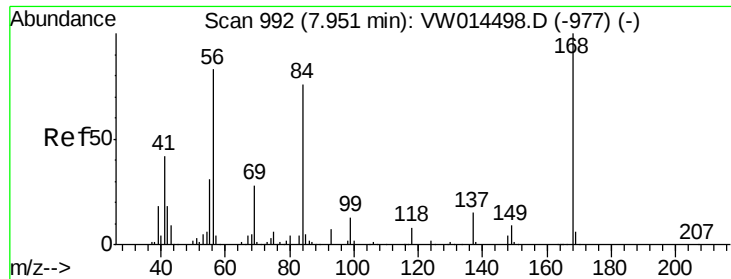


#29

Tetrahydrofuran
 Concen: 1.494 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Tgt Ion	42	Resp	1743
Ion	Ratio	Lower	Upper
42	100		
72	11.8	34.5	51.7#
71	0.0	32.0	48.0#

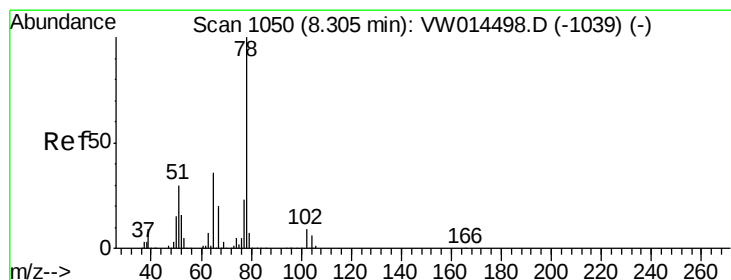
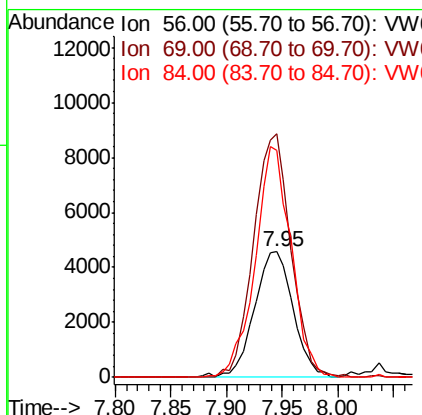
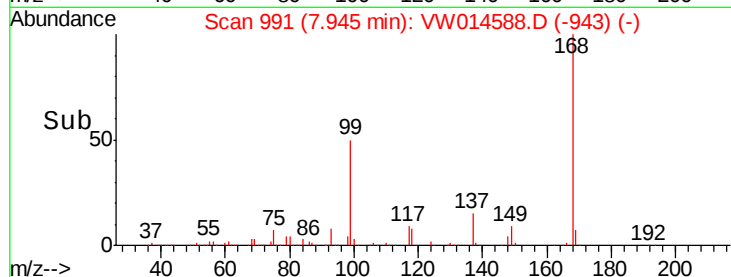
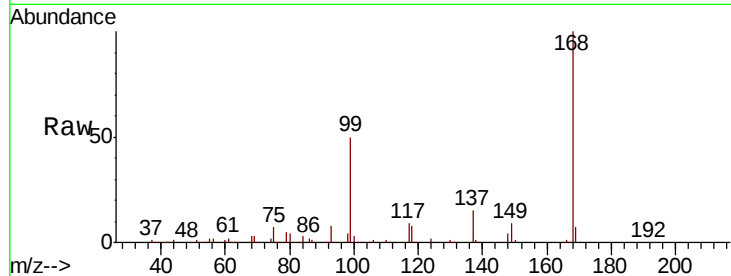




#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

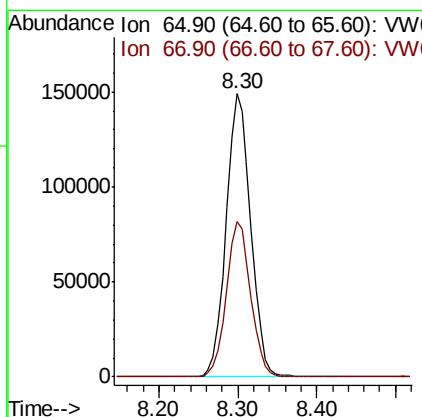
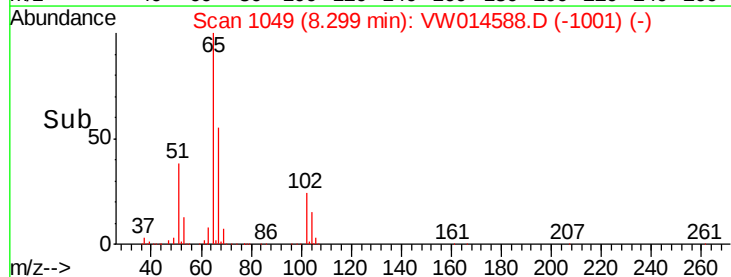
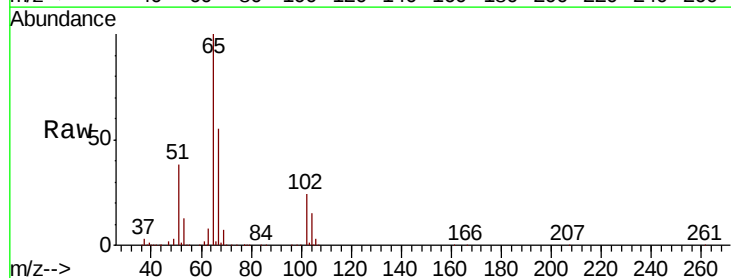
Instrument :
MSVOA_W
ClientSampled :

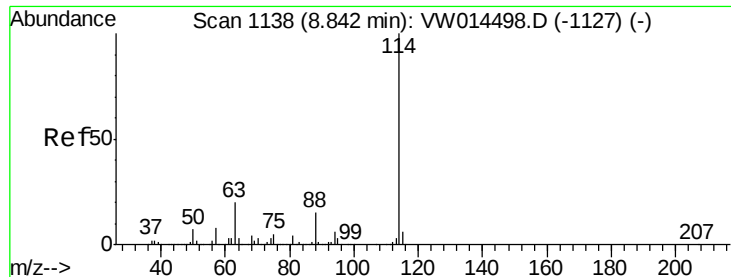
Tot Ion: 56 Resp: 11105
Ion Ratio Lower Upper
56 100
69 194.1 26.8 40.2#
84 181.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 61.902 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

Tgt Ion: 65 Resp: 321646
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.4

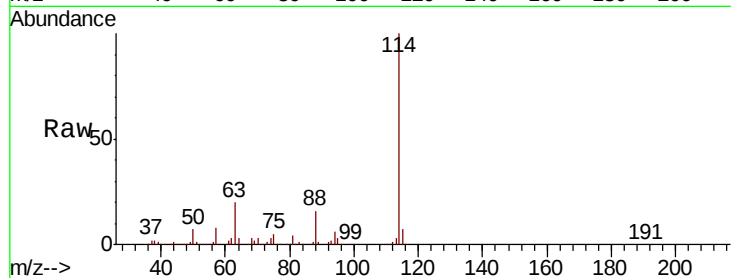




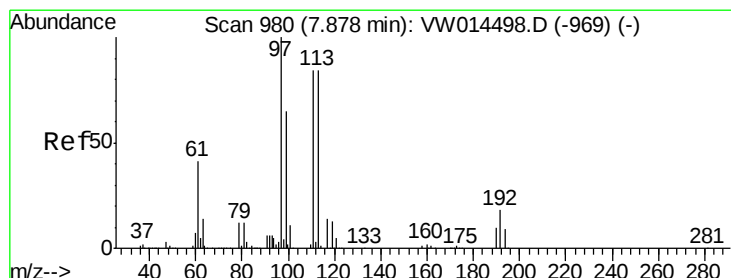
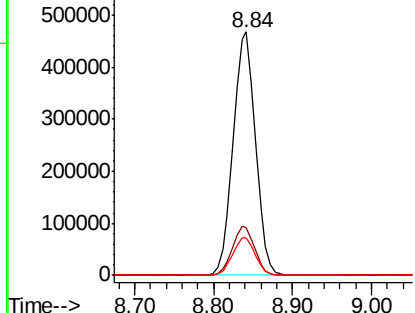
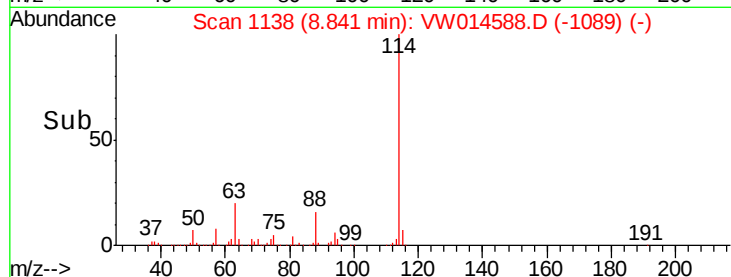
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.4
88	15.6	0.0	30.6

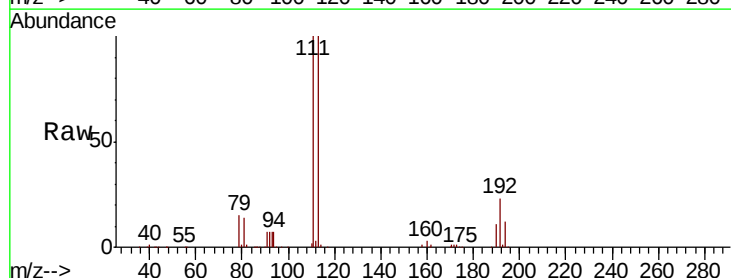


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

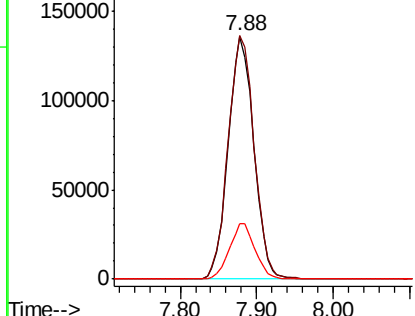
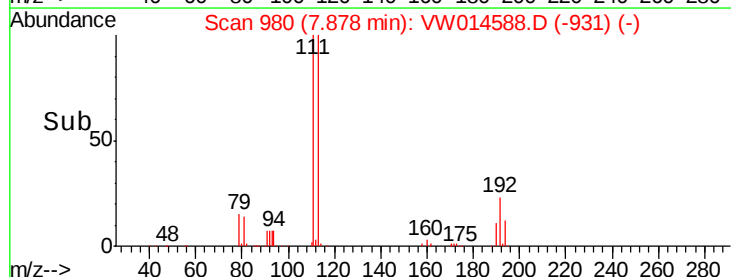


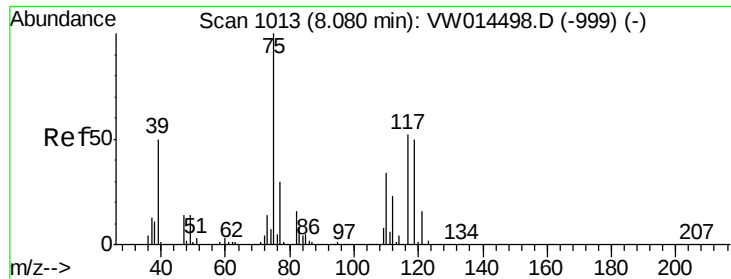
#35
 Dibromofluoromethane
 Concen: 59.720 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	22.8	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

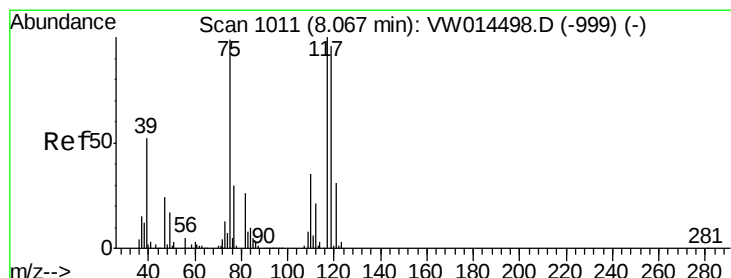
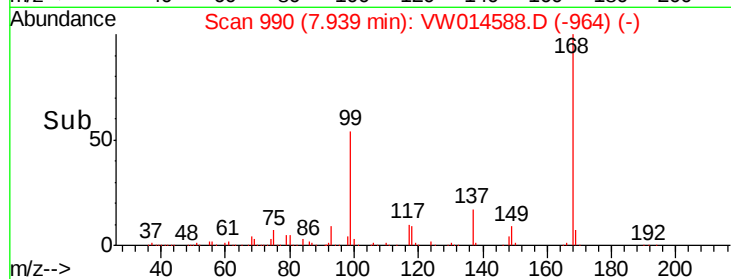
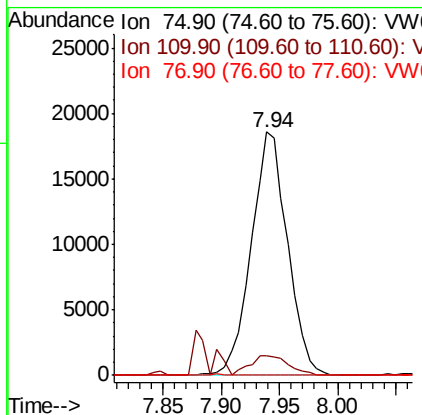
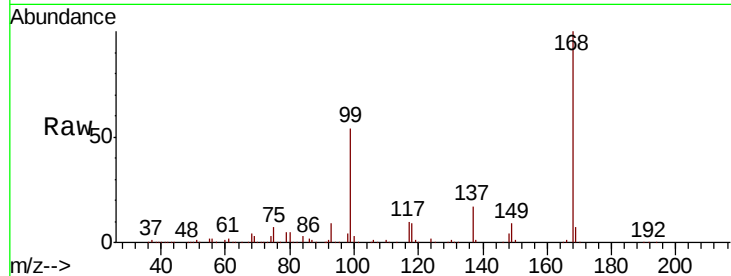




#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

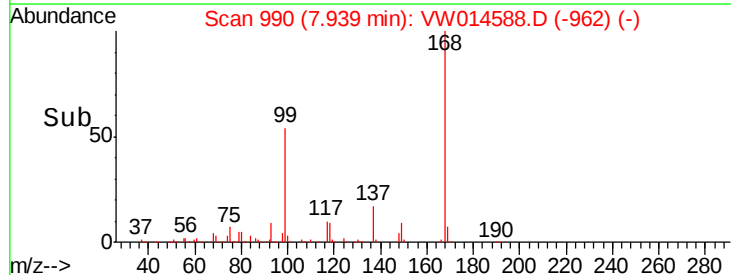
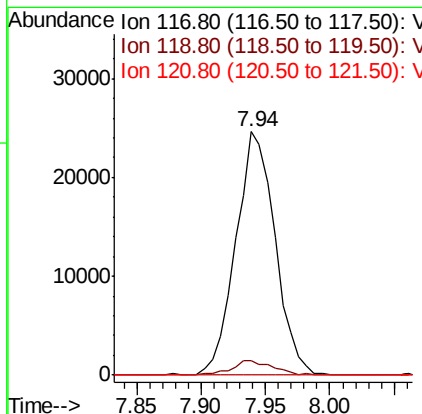
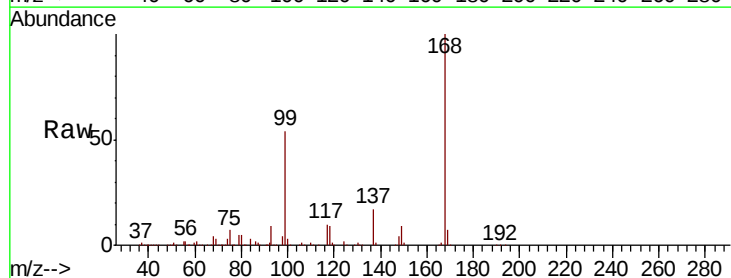
Instrument :
 MSVOA_W
 ClientSampleId :

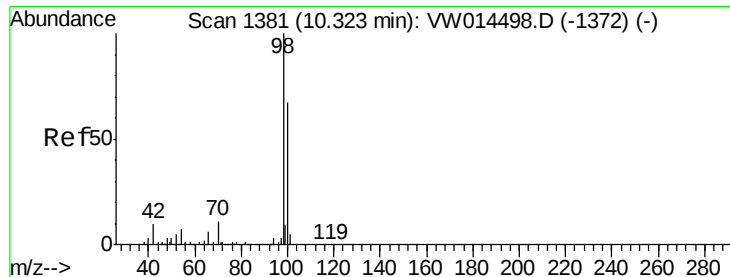
Tot Ion	75	Resp	40273
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.8	53.5#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.751 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Tgt Ion	117	Resp	52116
Ion Ratio	Lower	Upper	
117	100		
119	6.1	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.314 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

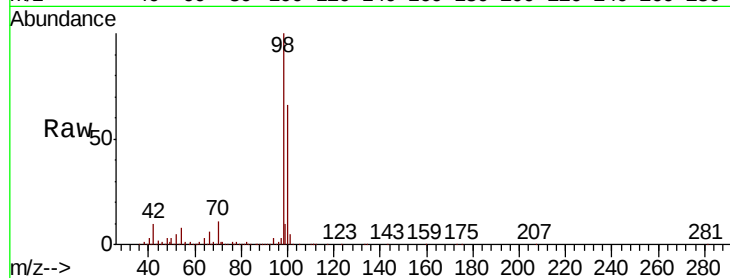
ClientSampleId :

Tot Ion: 98 Resp: 1129616

Ion Ratio Lower Upper

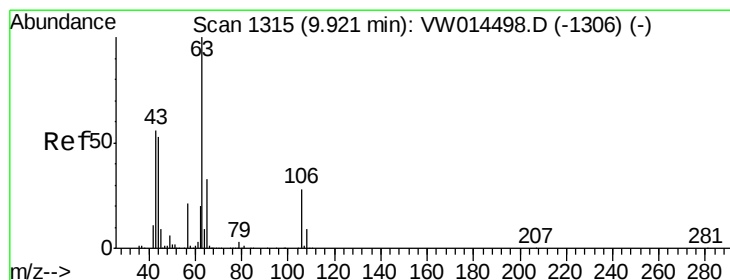
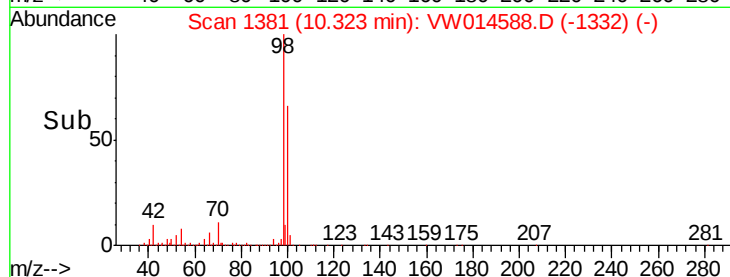
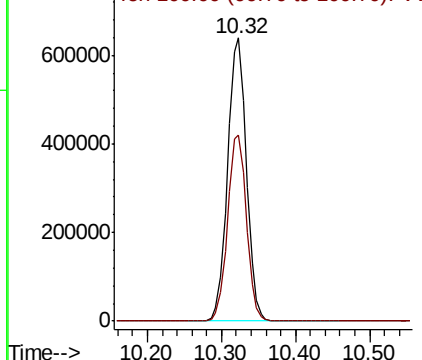
98 100

100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 1.165 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW014588.D

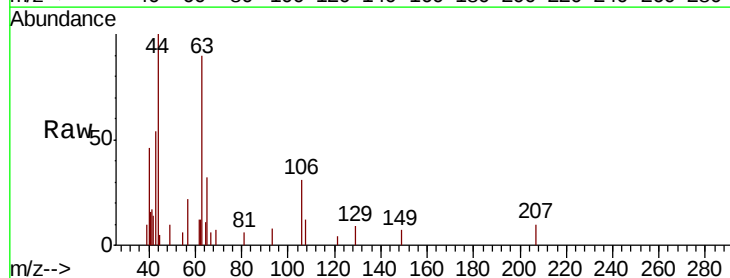
Acq: 09 Jan 2020 17:47

Tgt Ion: 63 Resp: 2051

Ion Ratio Lower Upper

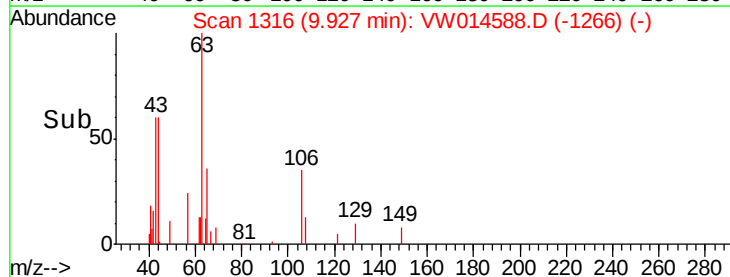
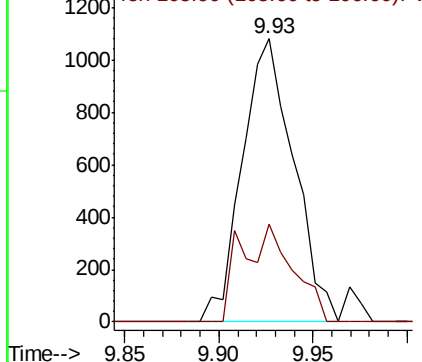
63 100

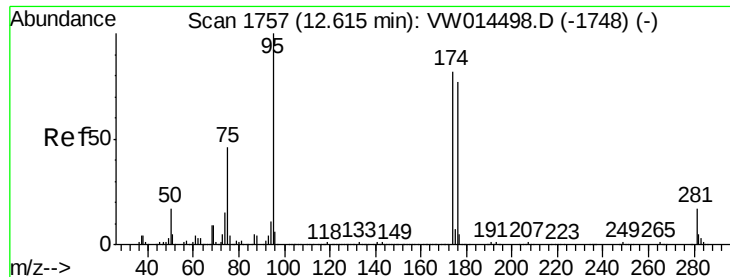
106 34.7 23.0 34.6#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW





#62

4-Bromofluorobenzene

Concen: 40.519 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

ClientSampled :

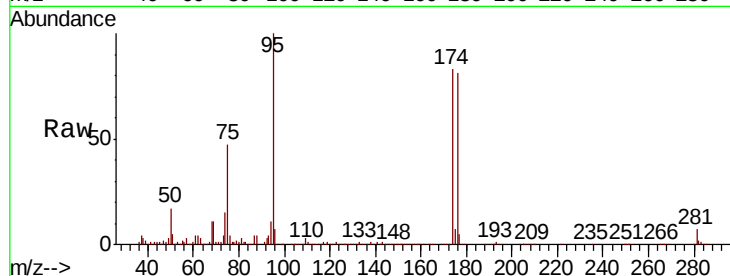
Tot Ion: 95 Resp: 302547

Ion Ratio Lower Upper

95 100

174 84.5 0.0 168.6

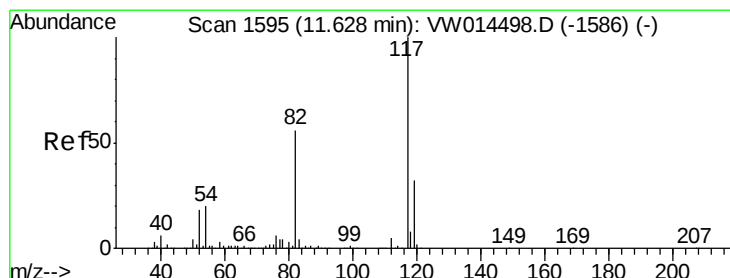
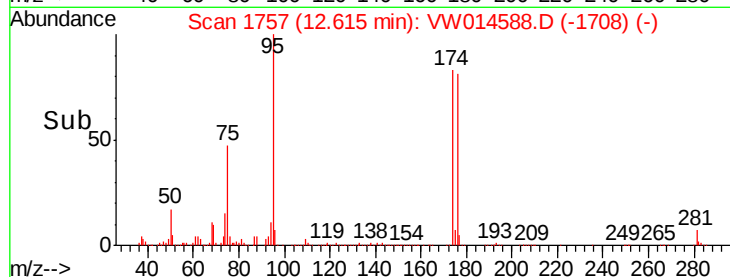
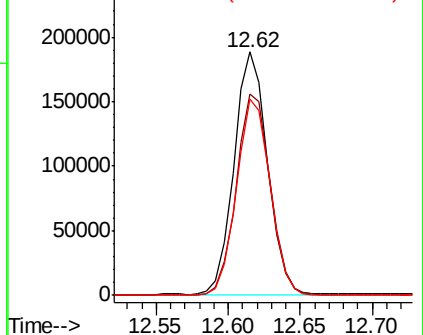
176 81.9 0.0 162.0



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: VW014588.D

Acq: 09 Jan 2020 17:47

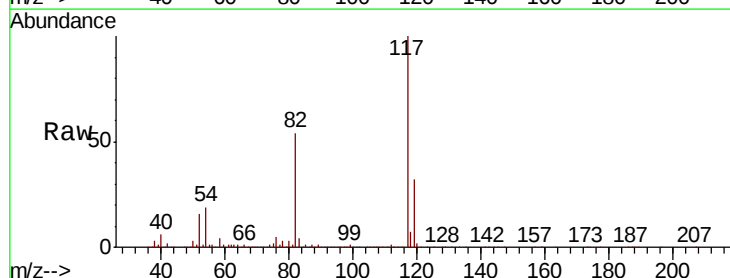
Tgt Ion: 117 Resp: 655143

Ion Ratio Lower Upper

117 100

82 54.4 44.6 67.0

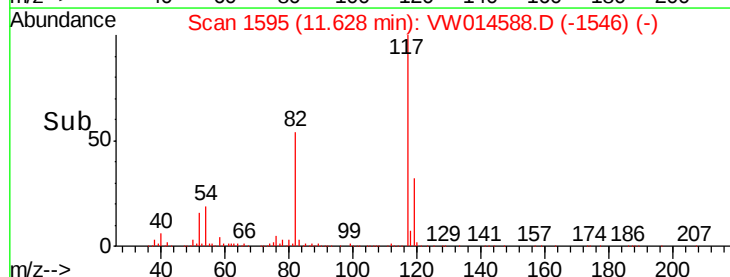
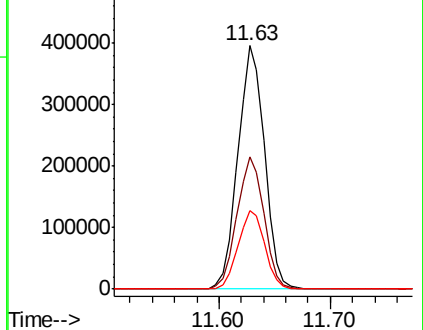
119 32.1 25.7 38.5

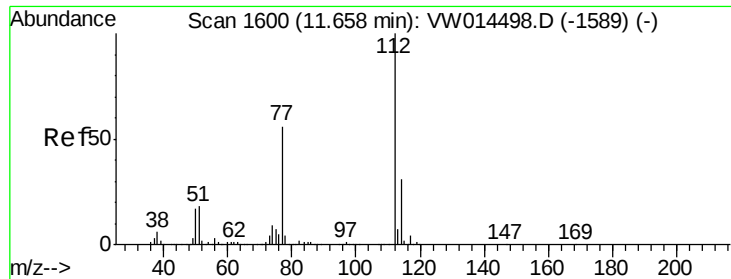


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

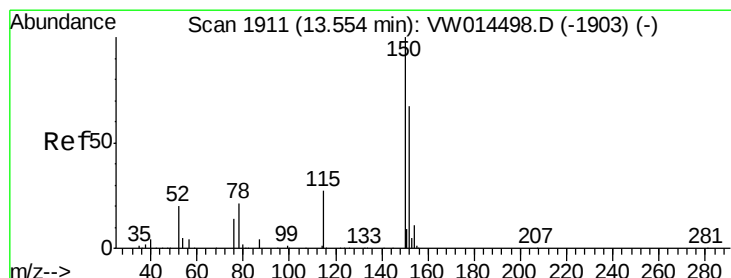
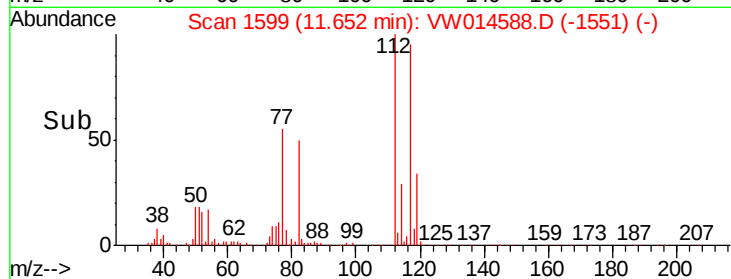
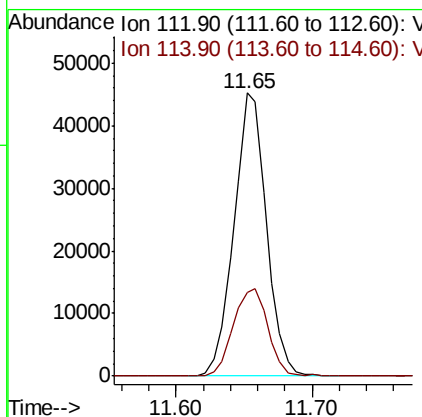
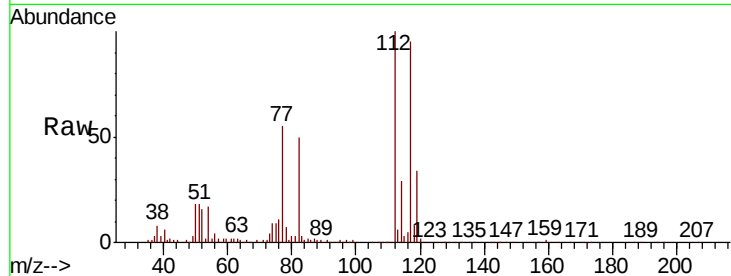




#65
Chlorobenzene
Concen: 5.586 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

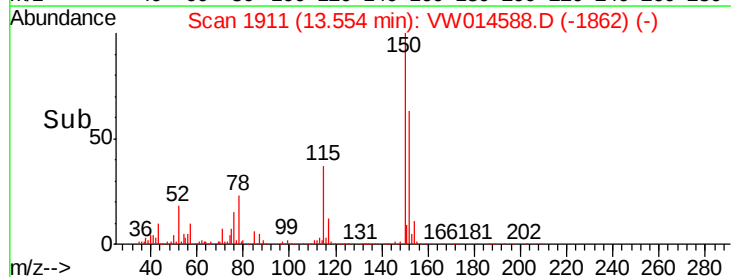
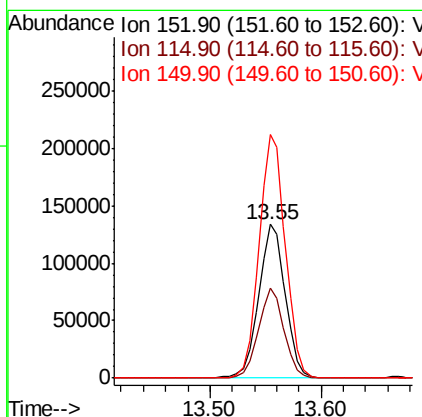
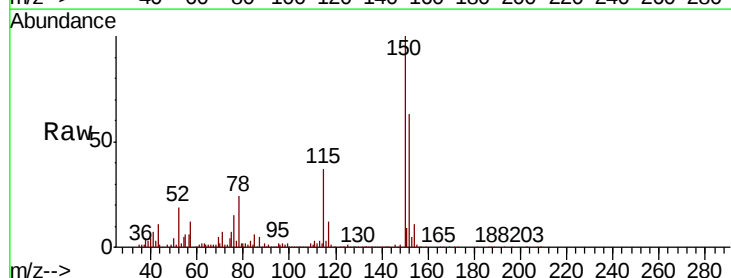
Instrument :
MSVOA_W
ClientSampleId :

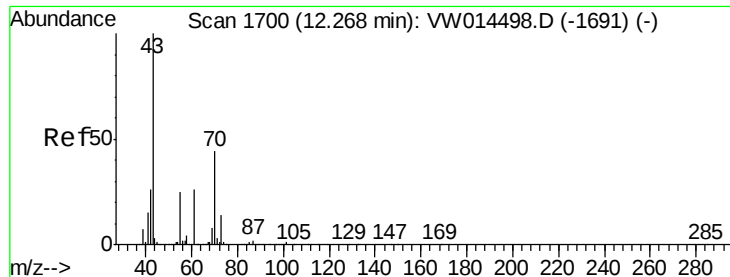
Tot Ion:112 Resp: 74976
Ion Ratio Lower Upper
112 100
114 29.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

Tgt Ion:152 Resp: 222146
Ion Ratio Lower Upper
152 100
115 55.6 27.7 83.1
150 156.1 0.0 343.4





#74

N-amvl acetate

Concen: 4.870 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 17797

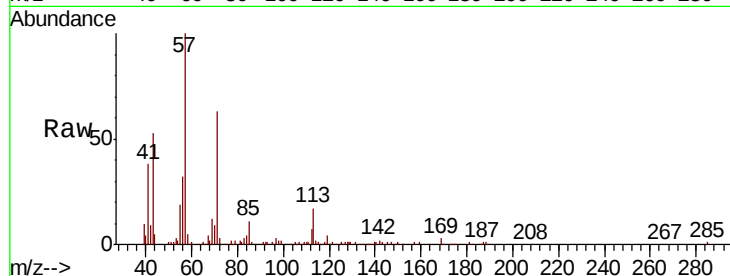
Ion Ratio Lower Upper

43 100

70 24.6 36.5 54.7#

55 33.4 20.9 31.3#

61 0.0 20.7 31.1#

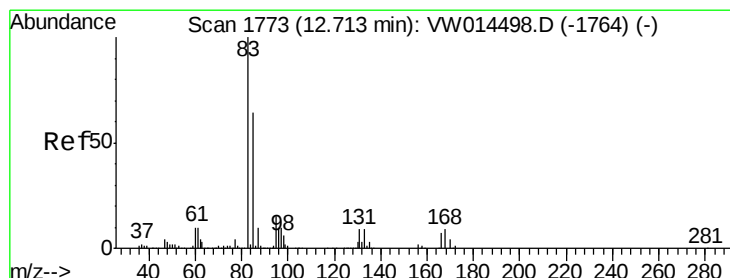
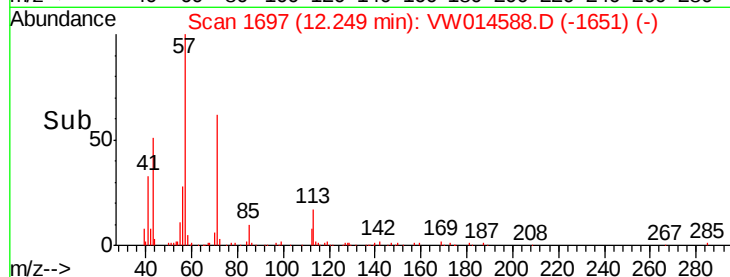
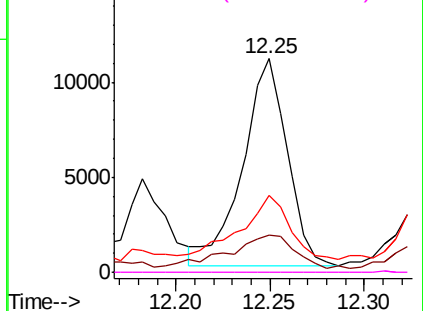


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 1.320 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

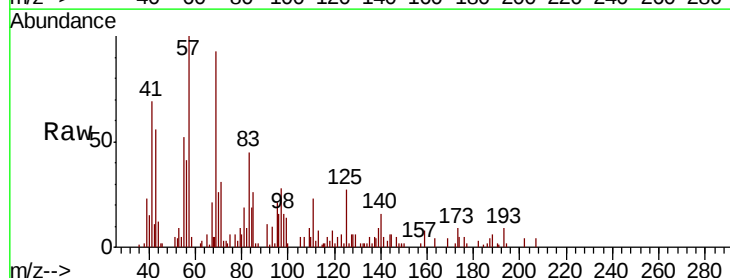
Tgt Ion: 83 Resp: 3885

Ion Ratio Lower Upper

83 100

131 6.4 5.1 15.4

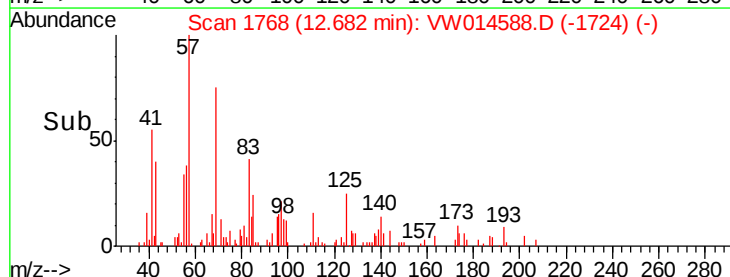
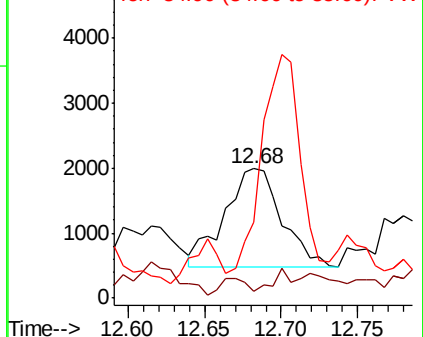
85 152.5 31.9 95.7#

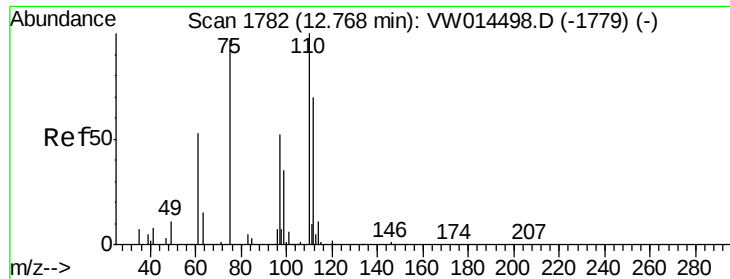


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



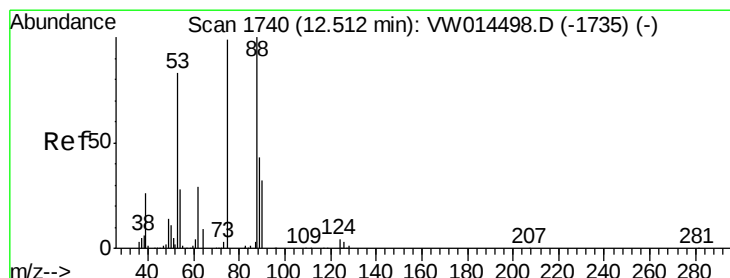
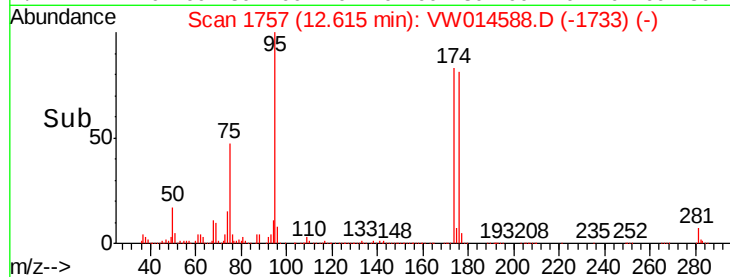
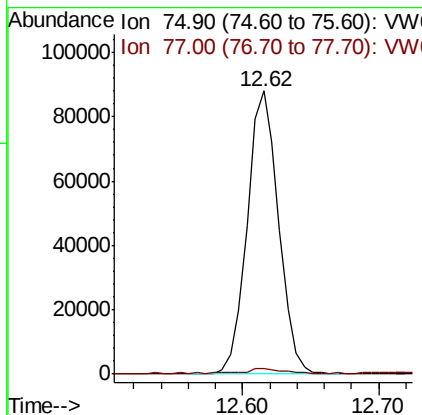
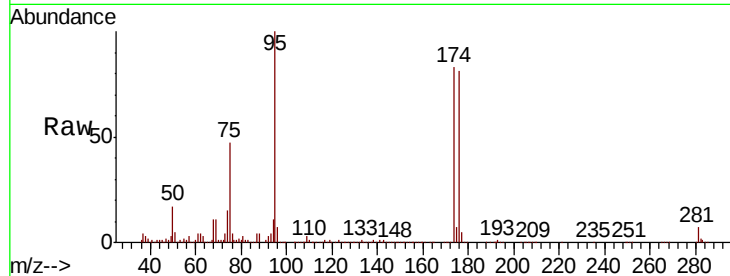


#76

1,2,3-Trichloropropane
Concen: 67.581 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

Instrument :
MSVOA_W
ClientSampleId :

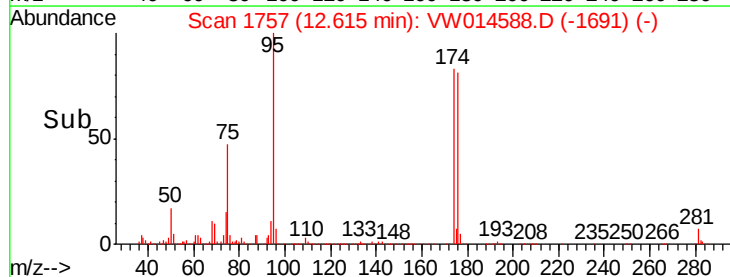
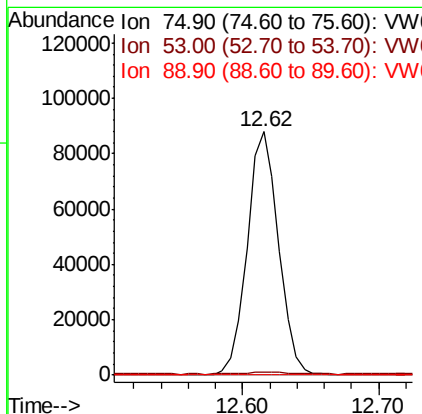
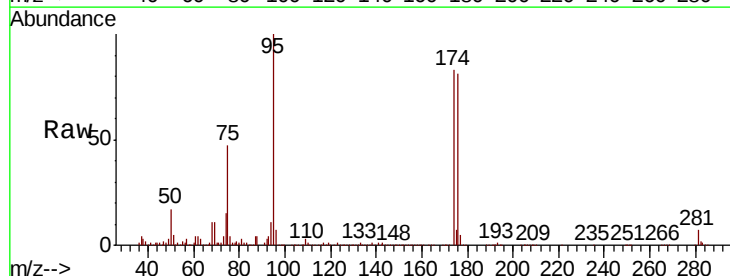
Tot Ion: 75 Resp: 141944
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

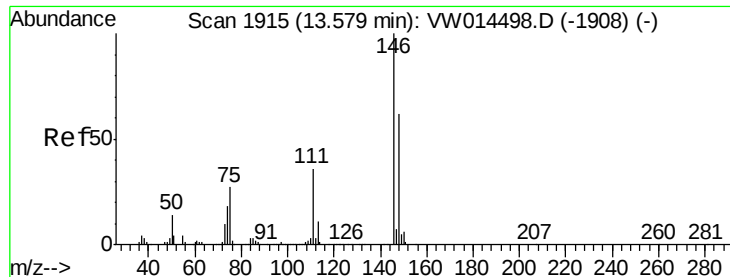


#81

trans-1,4-Dichloro-2-butene
Concen: 150.573 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014588.D
Acq: 09 Jan 2020 17:47

Tgt Ion: 75 Resp: 141944
Ion Ratio Lower Upper
75 100
53 1.3 70.9 106.3#
89 0.1 35.8 53.8#

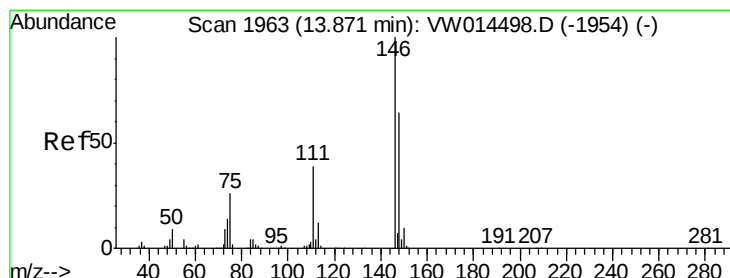
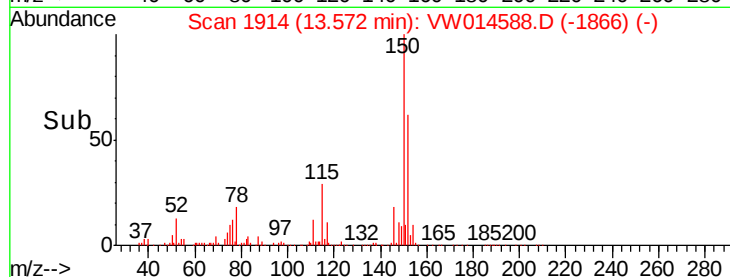
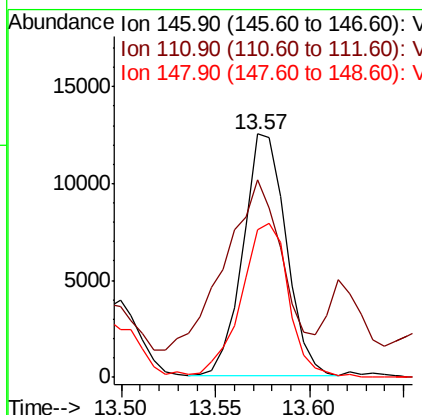
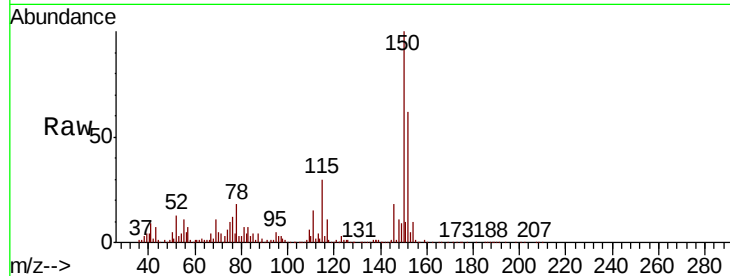




#88
 1,4-Dichlorobenzene
 Concen: 2.730 ug/l
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

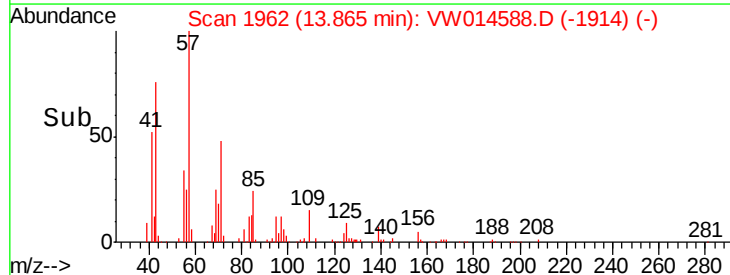
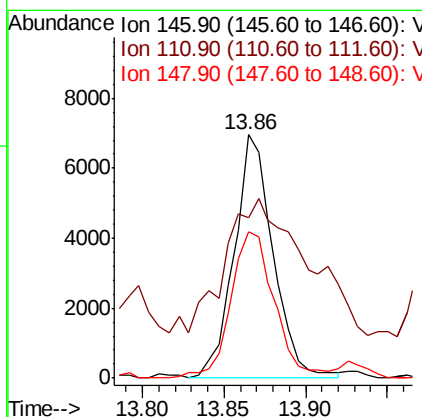
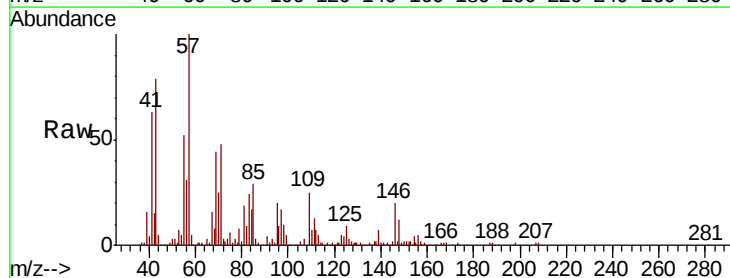
Instrument :
 MSVOA_W
 ClientSampleId :

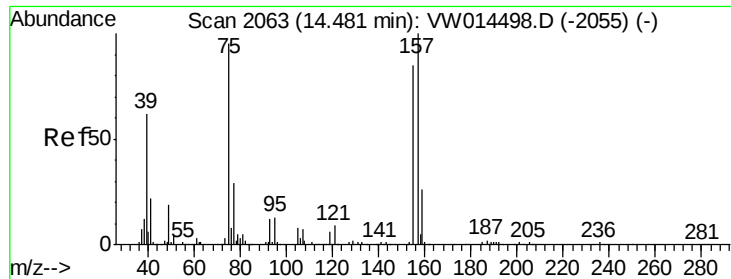
Tot Ion	Ratio	Lower	Upper
146	100		
111	97.7	18.7	56.1#
148	70.3	31.7	95.1



#91
 1,2-Dichlorobenzene
 Concen: 1.785 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014588.D
 Acq: 09 Jan 2020 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	120.1	20.4	61.3#
148	67.6	32.3	96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.305 ug/l

RT: 14.43 min Scan# 2055

Delta R.T. -0.05 min

Lab File: VW014588.D

Acq: 09 Jan 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

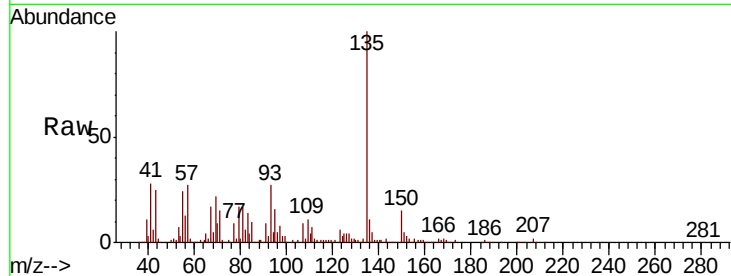
Tot Ion: 75 Resp: 608

Ion Ratio Lower Upper

75 100

155 104.4 45.8 137.4

157 93.9 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VW014588.D (-2014) (-)

Ion 154.80 (154.50 to 155.50): VW014588.D (-2014) (-)

Ion 156.80 (156.50 to 157.50): VW014588.D (-2014) (-)

