

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014545.D
 Acq On : 07 Jan 2020 14:16
 Operator : SY/VA
 Sample : K6476-08
 Misc : 7.42G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:47:59 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	600403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	952066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	799140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	315071	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	266851	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	7.88	113	261022	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.32	98	1060578	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.62	95	320869	41.66	ug/l	0.00
Spiked Amount			Recovery	=	83.32%	

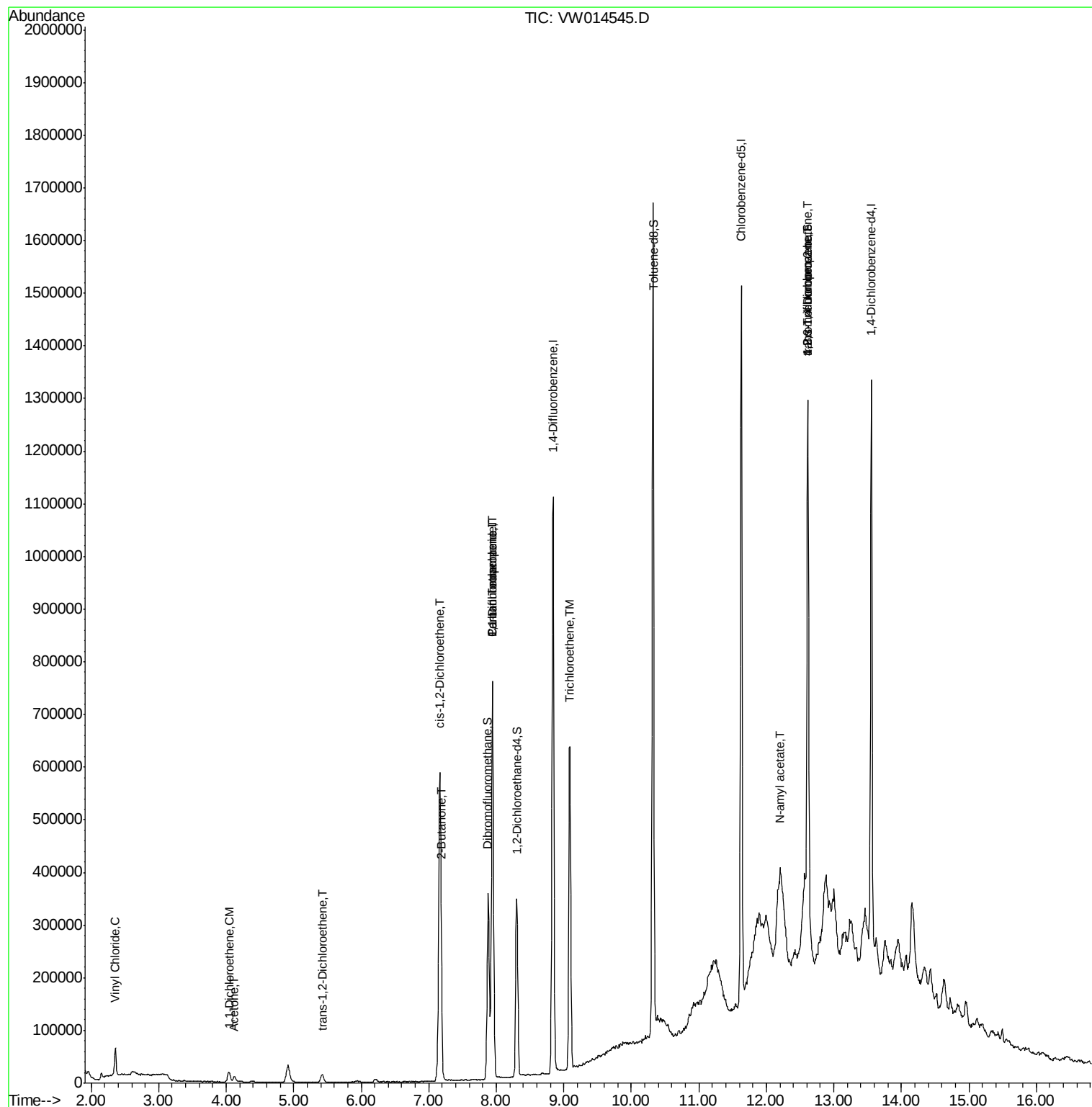
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	51342	8.412	ug/l	98
11) Tert butyl alcohol	5.14	59	116	Below Cal	#	73
12) 1,1-Dichloroethene	4.05	96	11936	1.998	ug/l #	83
16) Acetone	4.12	43	20084	13.550	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	8994	1.418	ug/l #	94
25) 2-Butanone	7.19	43	2952	1.552	ug/l #	40
27) cis-1,2-Dichloroethene	7.16	96	364138	54.624	ug/l	93
36) 1,1-Dichloropropene	7.95	75	42459	4.626	ug/l #	50
38) Carbon Tetrachloride	7.95	117	53599	6.731	ug/l #	16
44) Trichloroethene	9.09	130	236105	33.600	ug/l	90
74) N-amyl acetate	12.21	43	43019	8.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	153900	51.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	153900	115.106	ug/l #	15

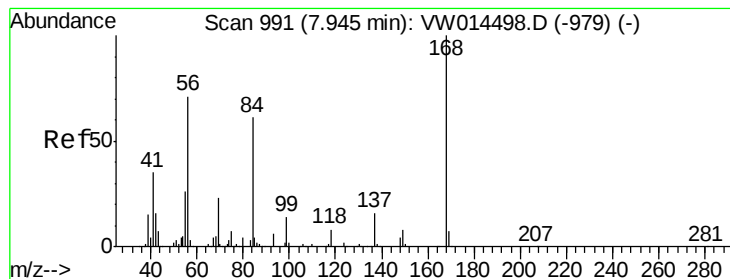
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

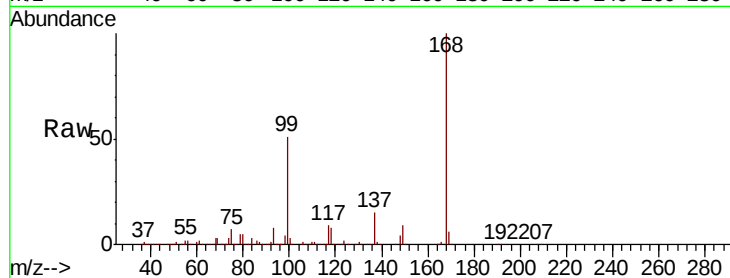
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 600403

Ion Ratio Lower Upper

168 100

99 50.5 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

250000

200000

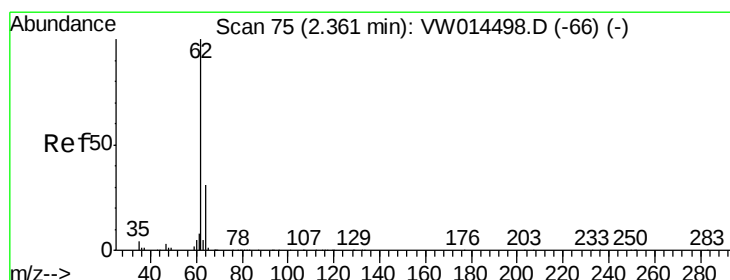
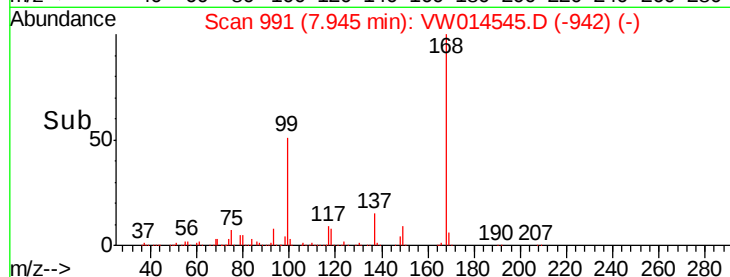
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 8.412 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014545.D

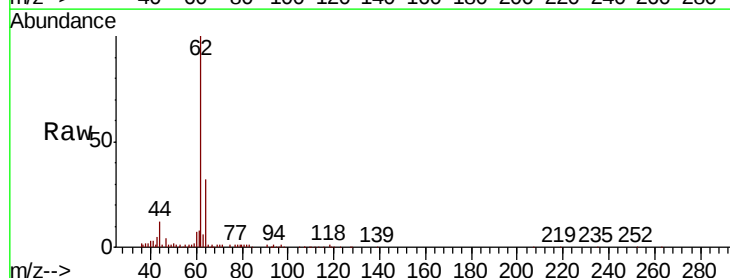
Acq: 07 Jan 2020 14:16

Tgt Ion: 62 Resp: 51342

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

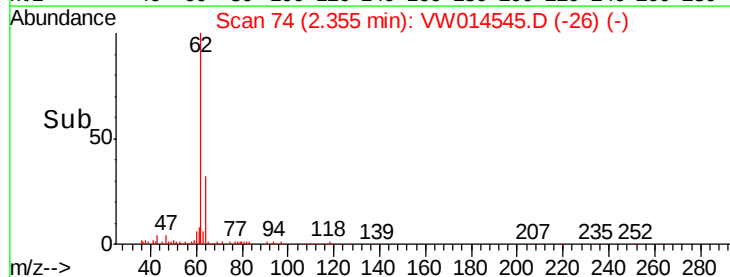
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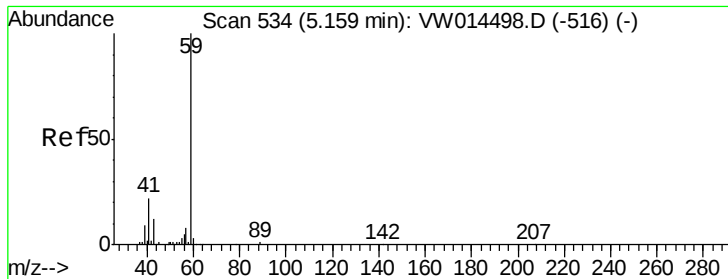
20000

10000

0

Time--> 2.25 2.30 2.35 2.40 2.45

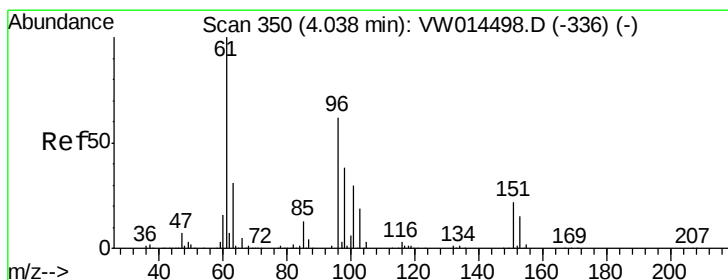
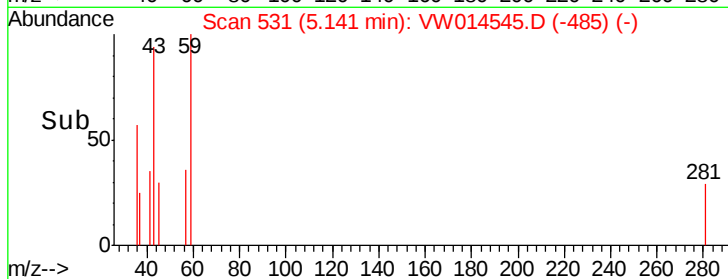
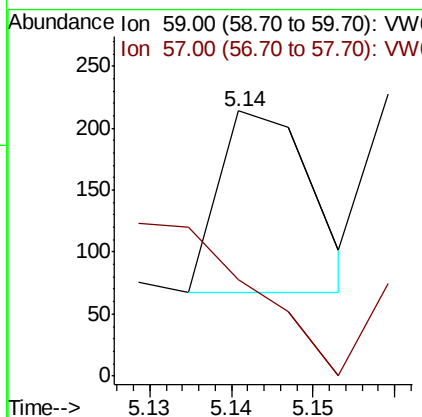
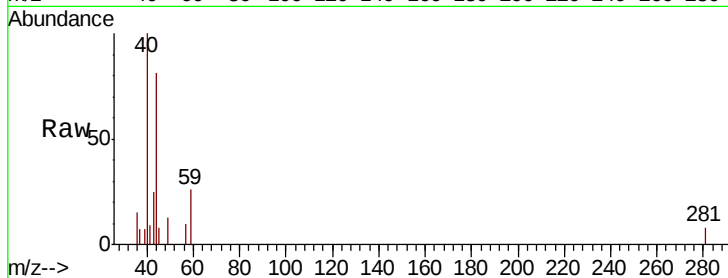




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.14 min Scan# 531
Delta R.T. -0.02 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

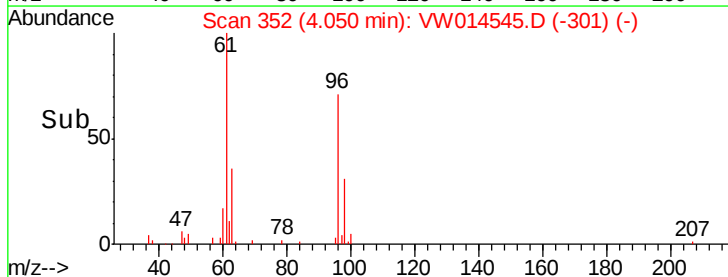
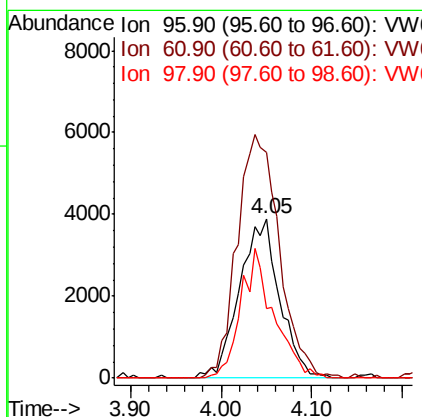
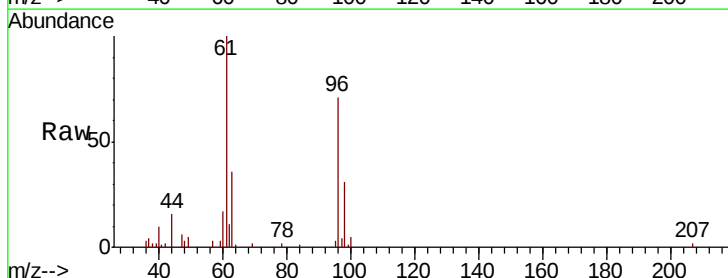
Instrument :
MSVOA_W
ClientSampled :

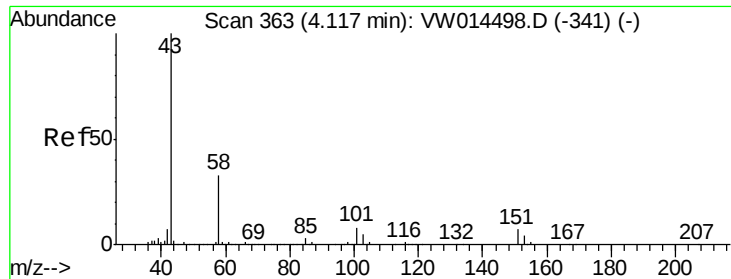
Tot Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.998 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

Tgt Ion: 96 Resp: 11936
Ion Ratio Lower Upper
96 100
61 141.7 128.4 192.6
98 43.9 49.1 73.7#





#16

Acetone

Concen: 13.550 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

Instrument :

MSVOA_W

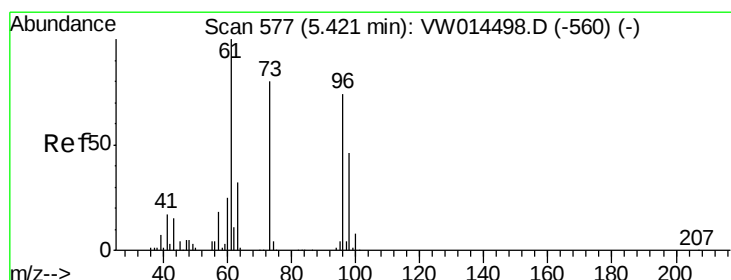
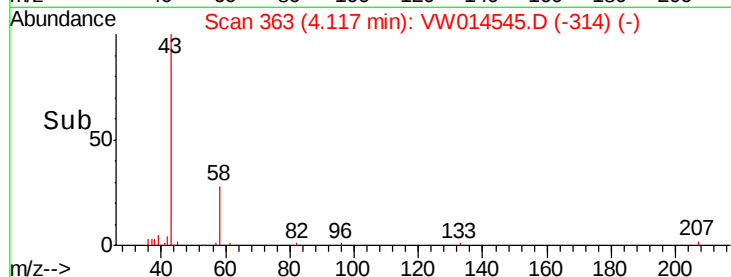
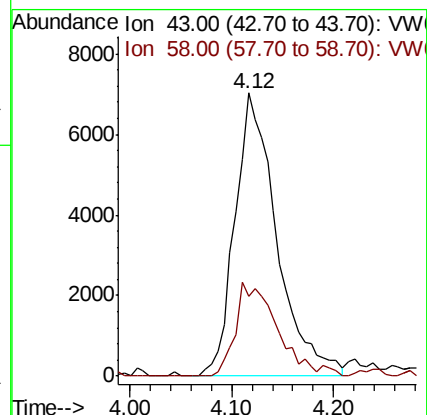
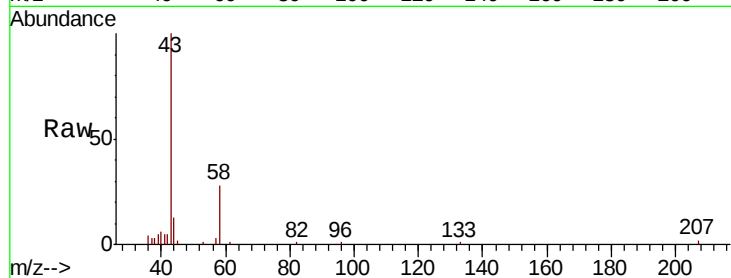
ClientSampleId :

Tot Ion: 43 Resp: 20084

Ion Ratio Lower Upper

43 100

58 28.1 26.6 39.8



#21

trans-1,2-Dichloroethene

Concen: 1.418 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

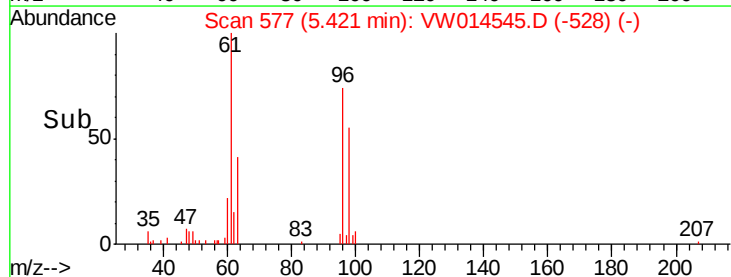
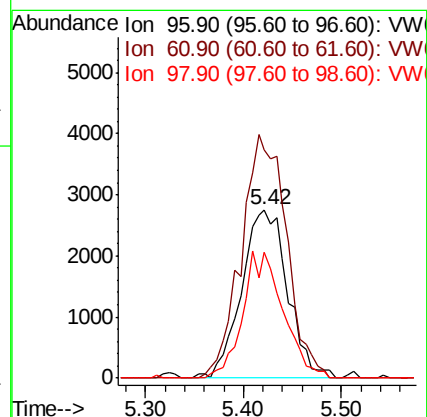
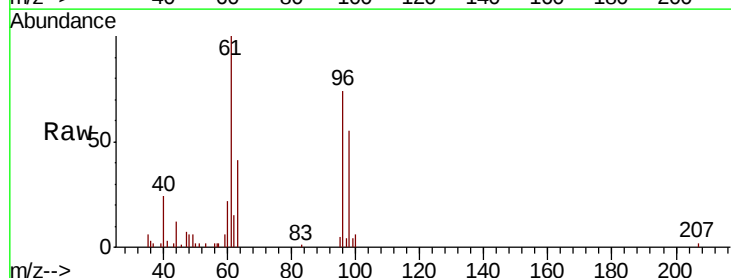
Tgt Ion: 96 Resp: 8994

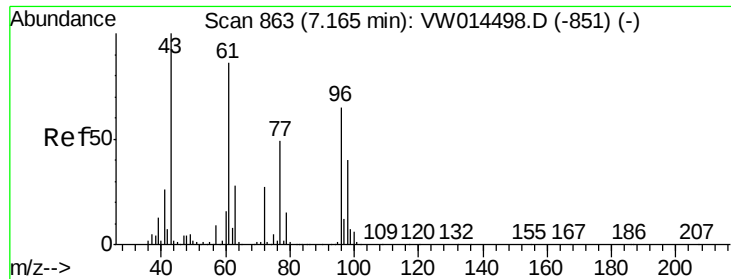
Ion Ratio Lower Upper

96 100

61 135.1 107.8 161.6

98 74.7 49.4 74.0#

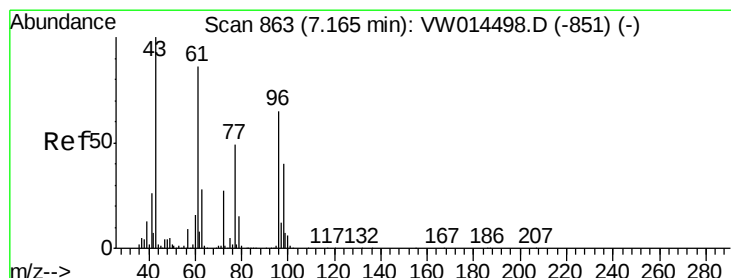
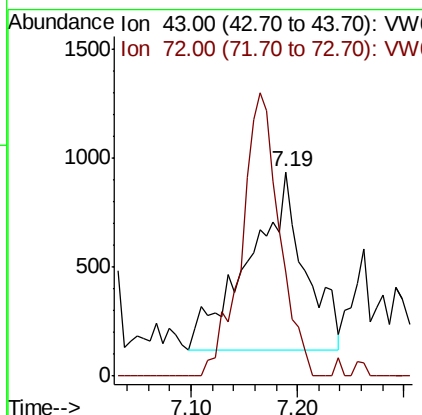
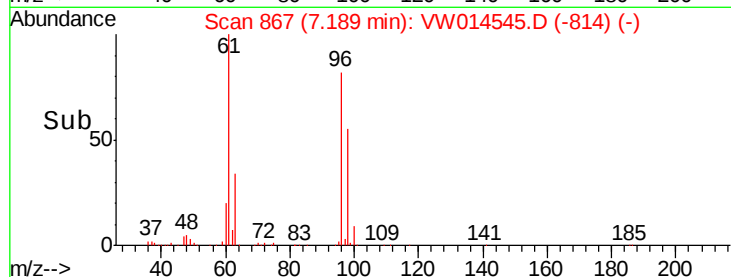
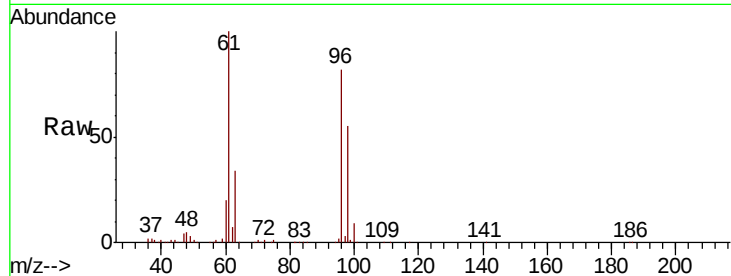




#25
2-Butanone
Concen: 1.552 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

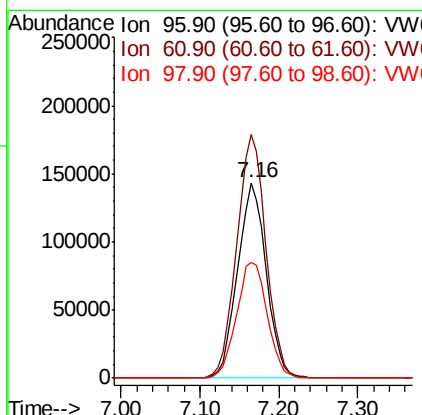
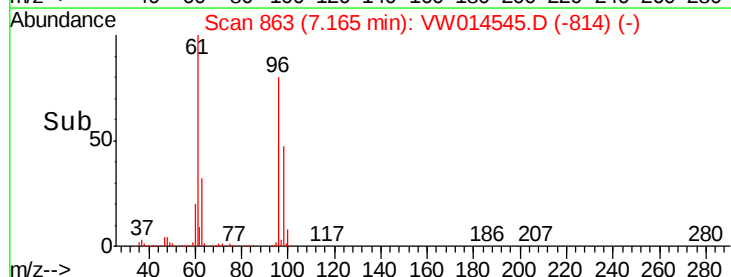
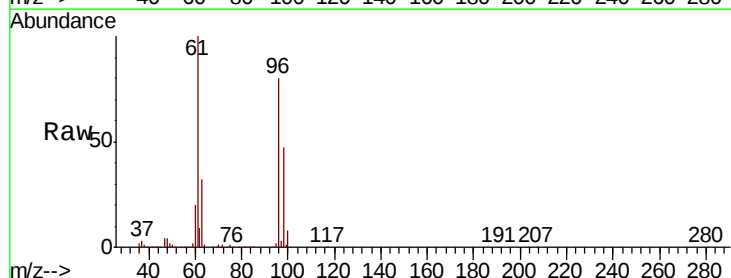
Instrument :
MSVOA_W
ClientSampled :

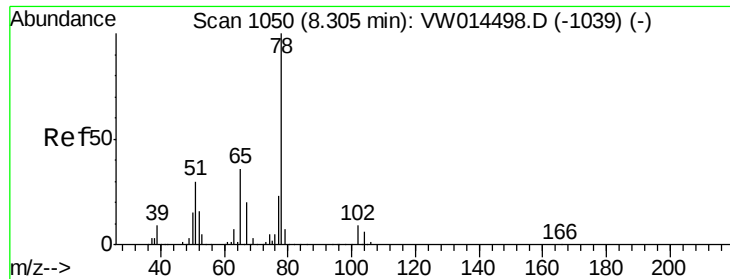
Tot Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
72 58.5 21.9 32.9#



#27
cis-1,2-Dichloroethene
Concen: 54.624 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

Tgt Ion: 96 Resp: 364138
Ion Ratio Lower Upper
96 100
61 126.6 0.0 274.8
98 63.3 0.0 128.6

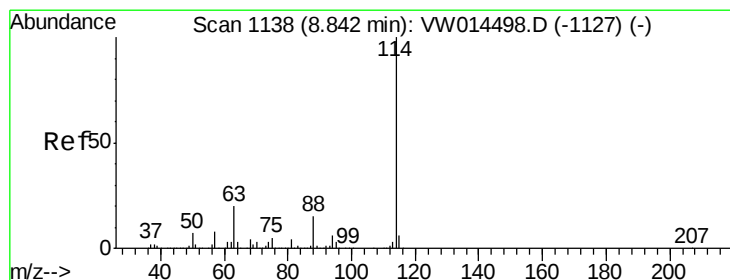
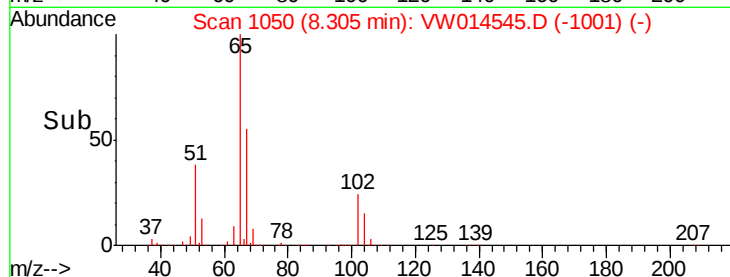
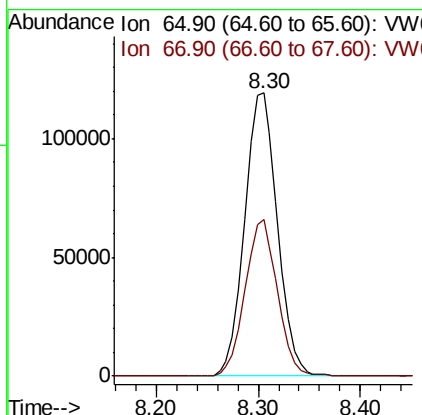
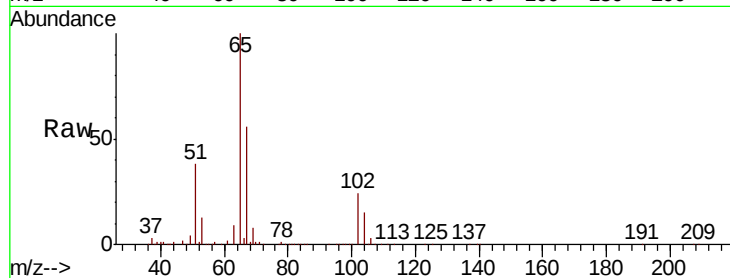




#33
 1,2-Dichloroethane-d4
 Concen: 50.834 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014545.D
 Acq: 07 Jan 2020 14:16

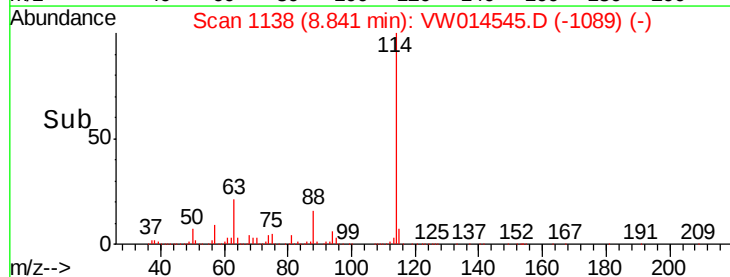
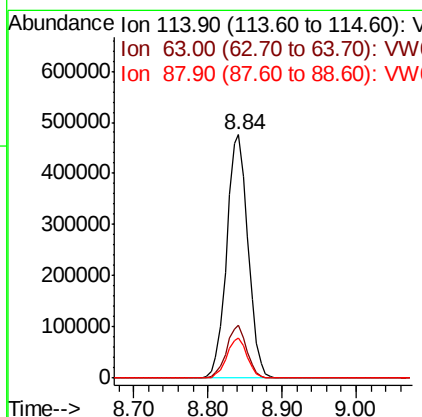
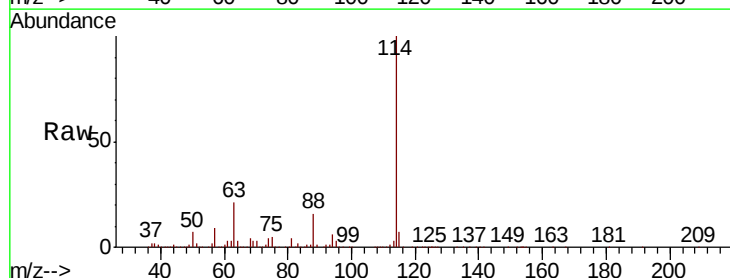
Instrument :
 MSVOA_W
 ClientSampleId :

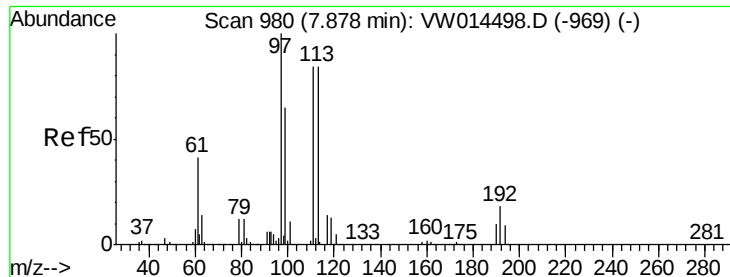
Tot Ion: 65 Resp: 266851
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014545.D
 Acq: 07 Jan 2020 14:16

Tgt Ion: 114 Resp: 952066
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.4
 88 16.4 0.0 30.6

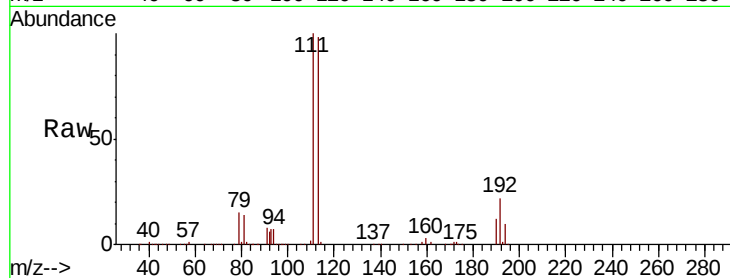




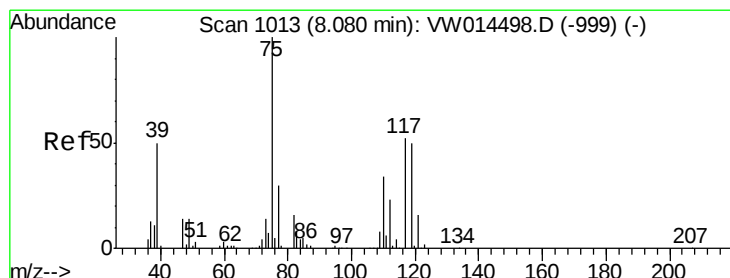
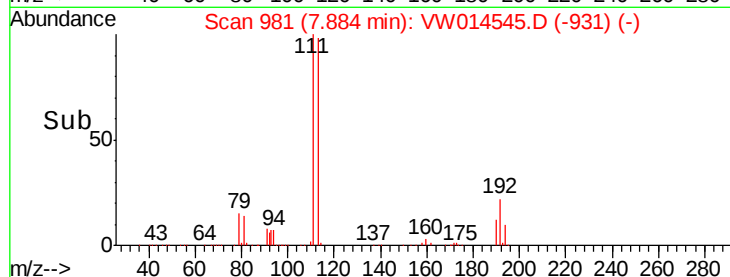
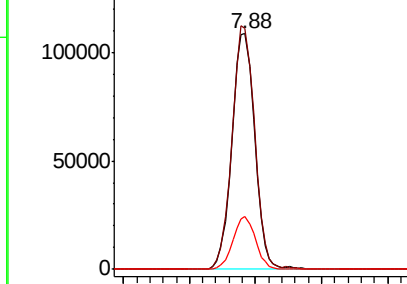
#35
 Dibromofluoromethane
 Concen: 47.971 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014545.D
 Acq: 07 Jan 2020 14:16

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	22.1	17.8	26.8

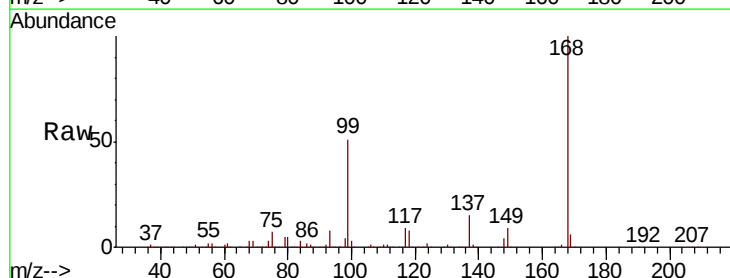


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

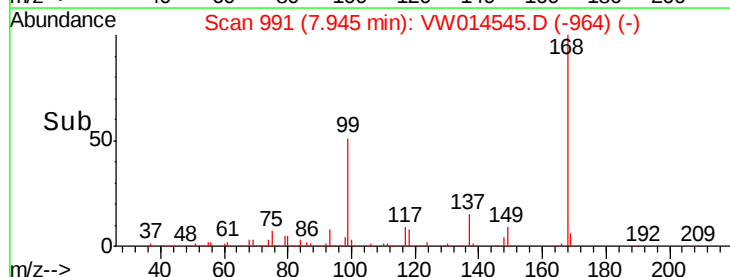
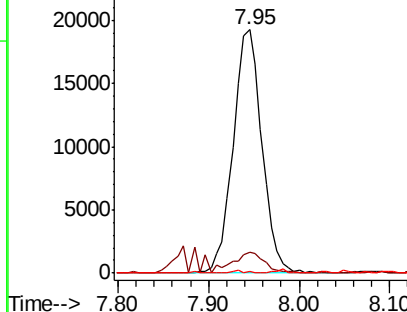


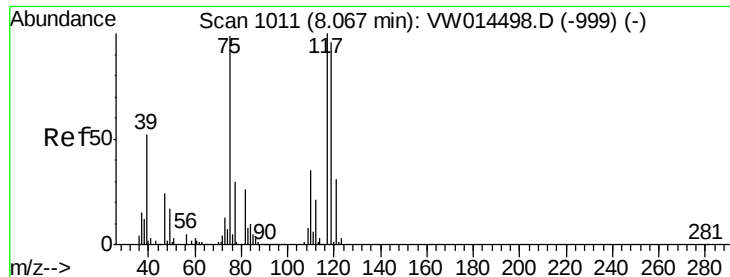
#36
 1,1-Dichloropropene
 Concen: 4.626 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014545.D
 Acq: 07 Jan 2020 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.5#
77	0.5	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

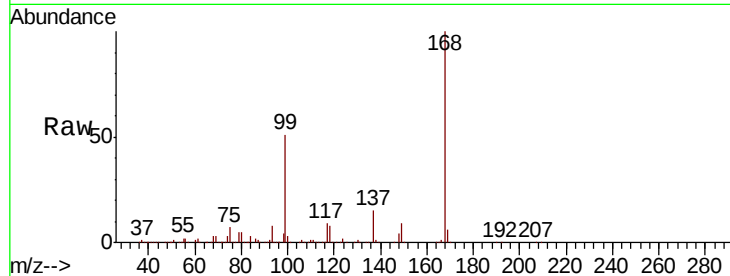




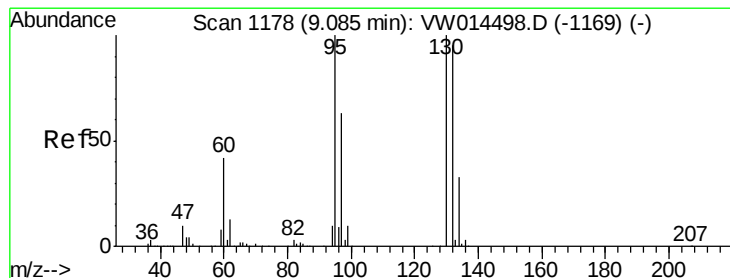
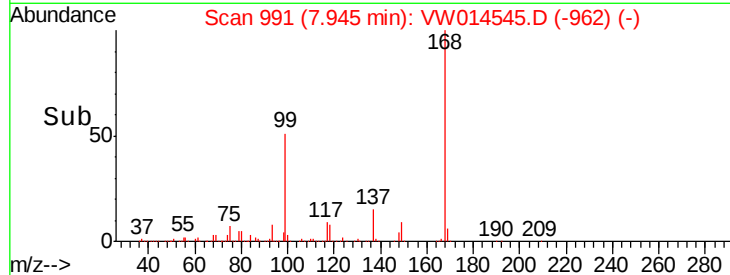
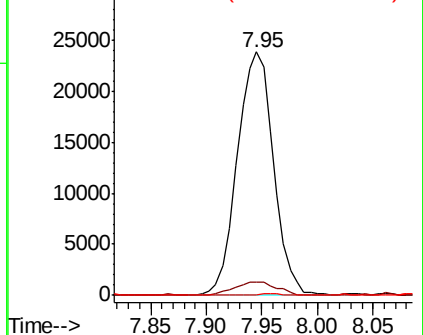
#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 53599
Ion Ratio Lower Upper
117 100
119 5.4 77.0 115.6#
121 0.4 24.6 36.8#

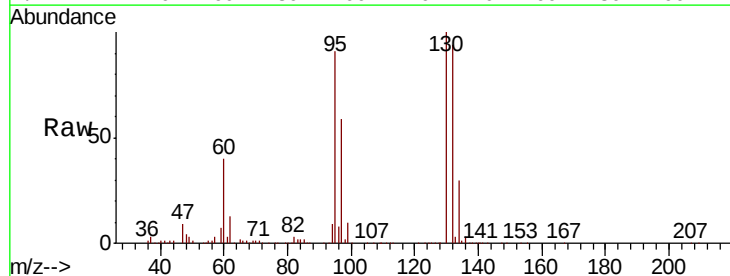


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

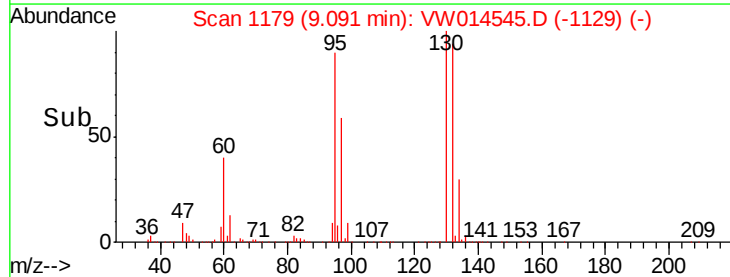
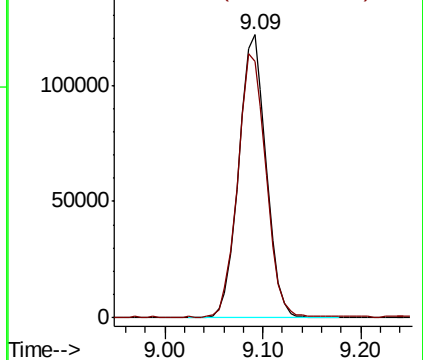


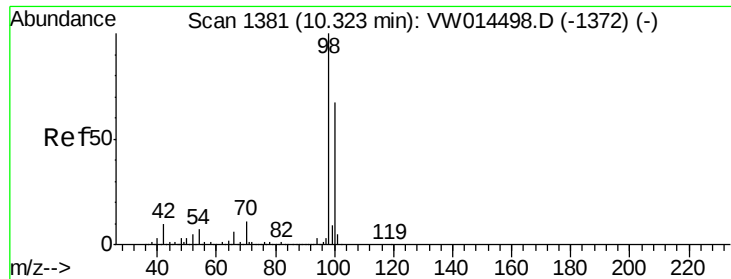
#44
Trichloroethene
Concen: 33.600 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW014545.D
Acq: 07 Jan 2020 14:16

Tgt Ion:130 Resp: 236105
Ion Ratio Lower Upper
130 100
95 90.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 46.706 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

Instrument :

MSVOA_W

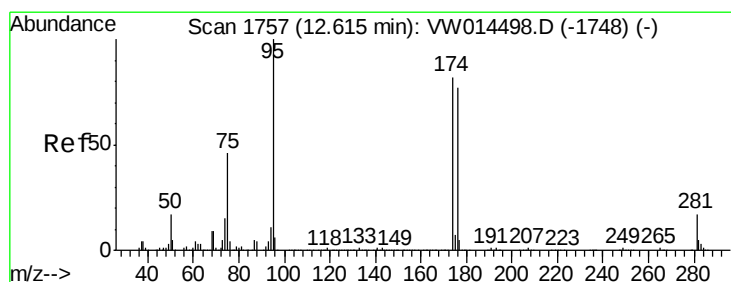
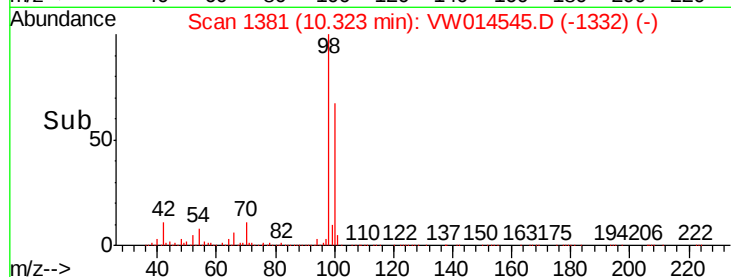
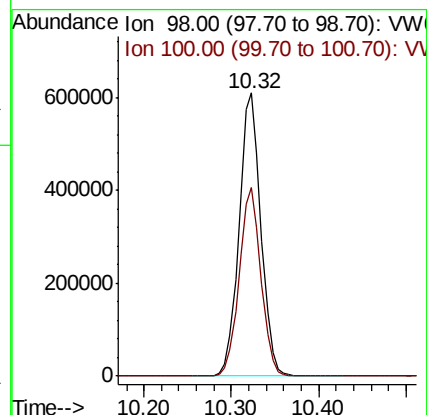
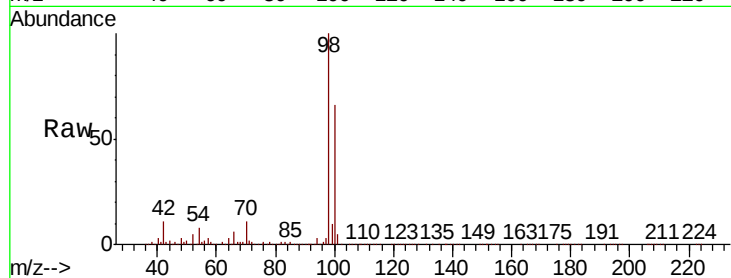
ClientSampleId :

Tot Ion: 98 Resp: 1060578

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 41.660 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

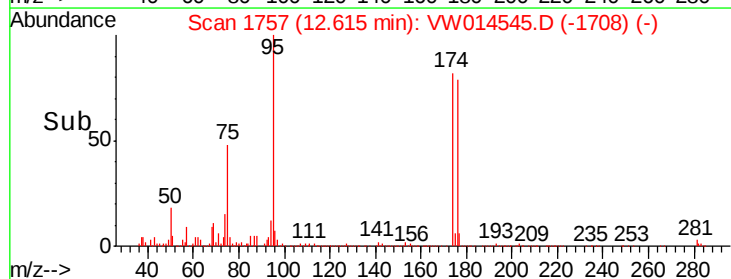
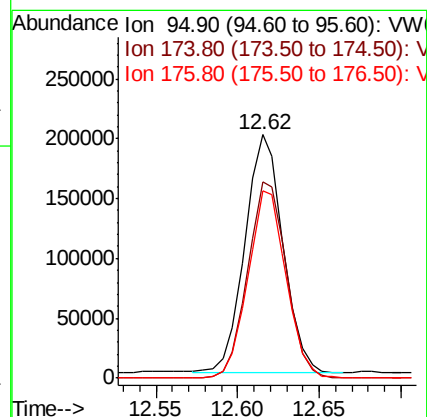
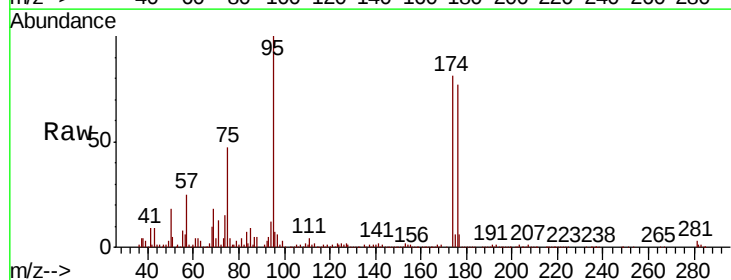
Tgt Ion: 95 Resp: 320869

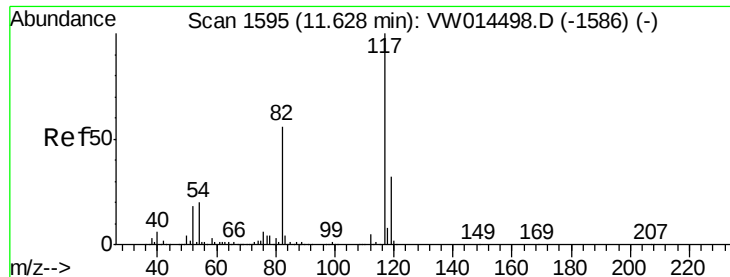
Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.6

176 79.5 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: VW014545.D

Acq: 07 Jan 2020 14:16

Instrument :

MSVOA_W

ClientSampleId :

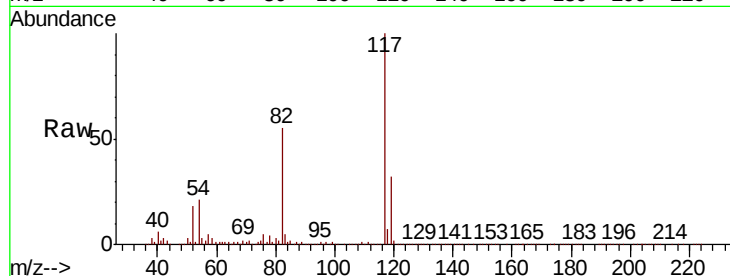
Tot Ion:117 Resp: 799140

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

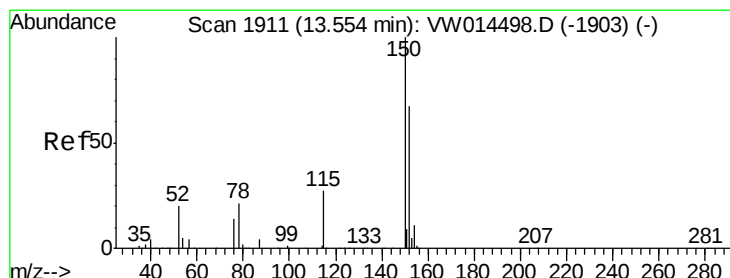
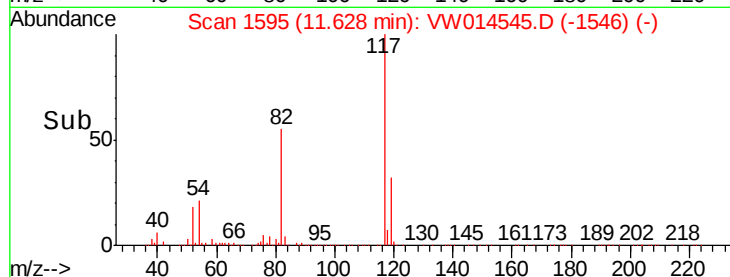
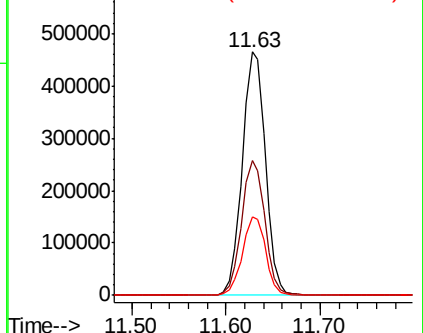
119 32.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

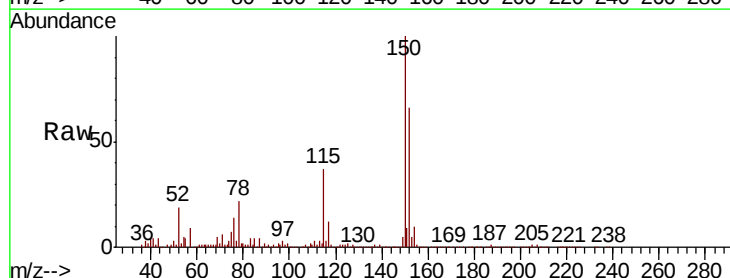
Tgt Ion:152 Resp: 315071

Ion Ratio Lower Upper

152 100

115 57.1 27.7 83.1

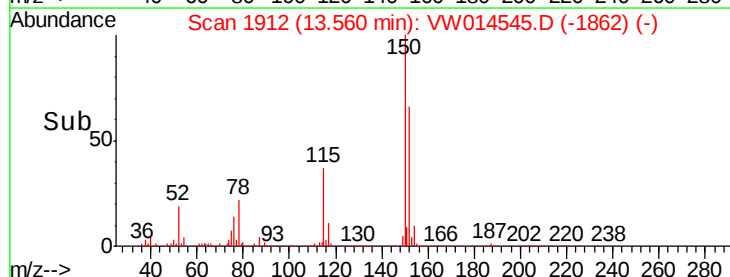
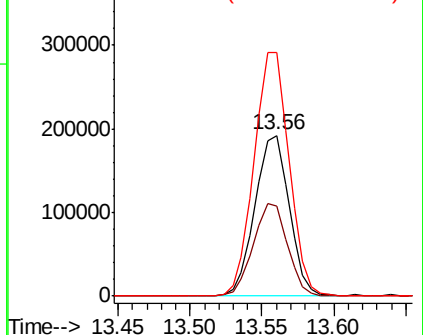
150 155.1 0.0 343.4

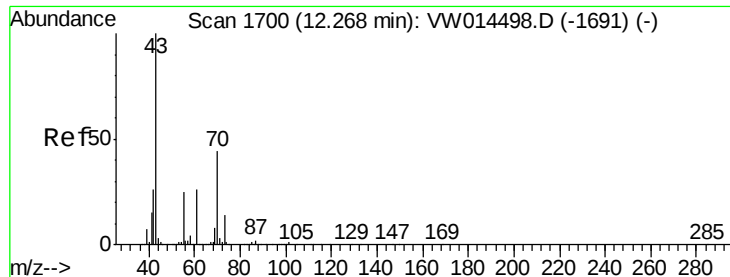


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 8.299 ug/l

RT: 12.21 min Scan# 1690

Delta R.T. -0.06 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 43019

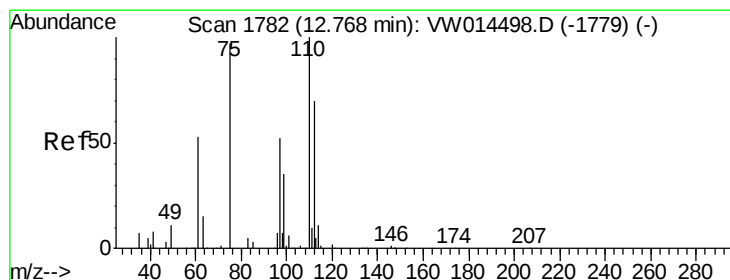
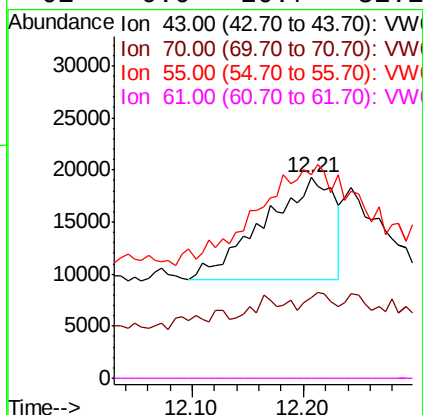
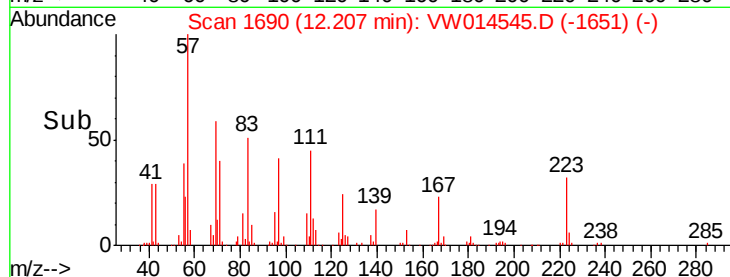
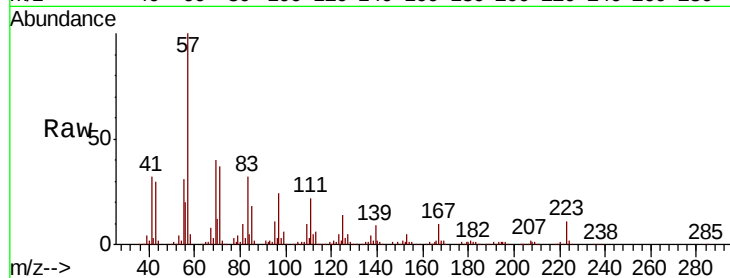
Ion Ratio Lower Upper

43 100

70 8.1 36.5 54.7#

55 148.9 20.9 31.3#

61 0.0 20.7 31.1#



#76

1,2,3-Trichloropropane

Concen: 51.662 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014545.D

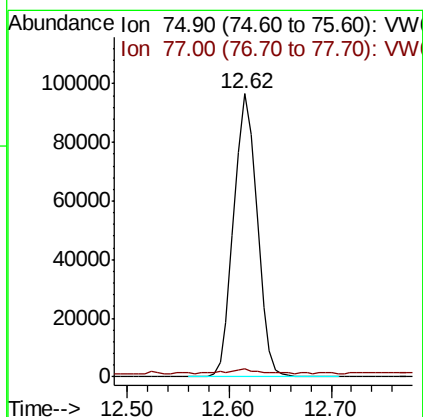
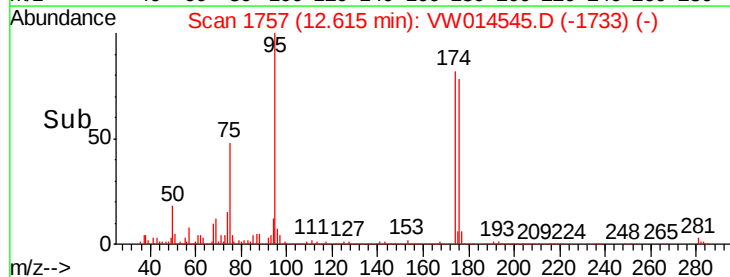
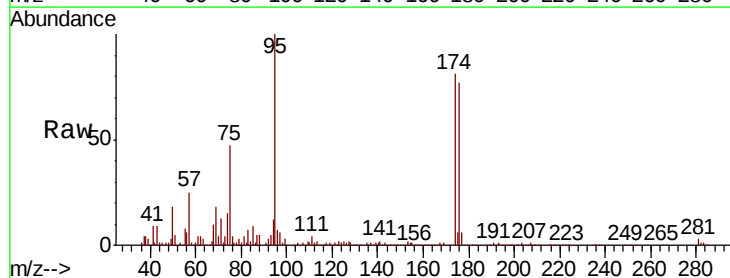
Acq: 07 Jan 2020 14:16

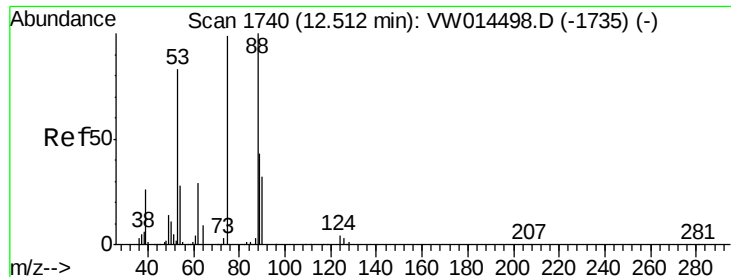
Tgt Ion: 75 Resp: 153900

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 115.106 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014545.D

Acq: 07 Jan 2020 14:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 153900

Ion Ratio Lower Upper

75 100

53 0.7 70.9 106.3#

89 0.2 35.8 53.8#

