

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014719.D
 Acq On : 23 Jan 2020 12:08
 Operator : SY/VA
 Sample : VW0123SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:09:46 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	7.94	168	576995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	912032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	775416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	348185	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	264724	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.88	113	245588	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.32	98	952869	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	
62) 4-Bromofluorobenzene	12.62	95	302168	40.95	ug/l	0.00
Spiked Amount			Recovery	=	81.90%	

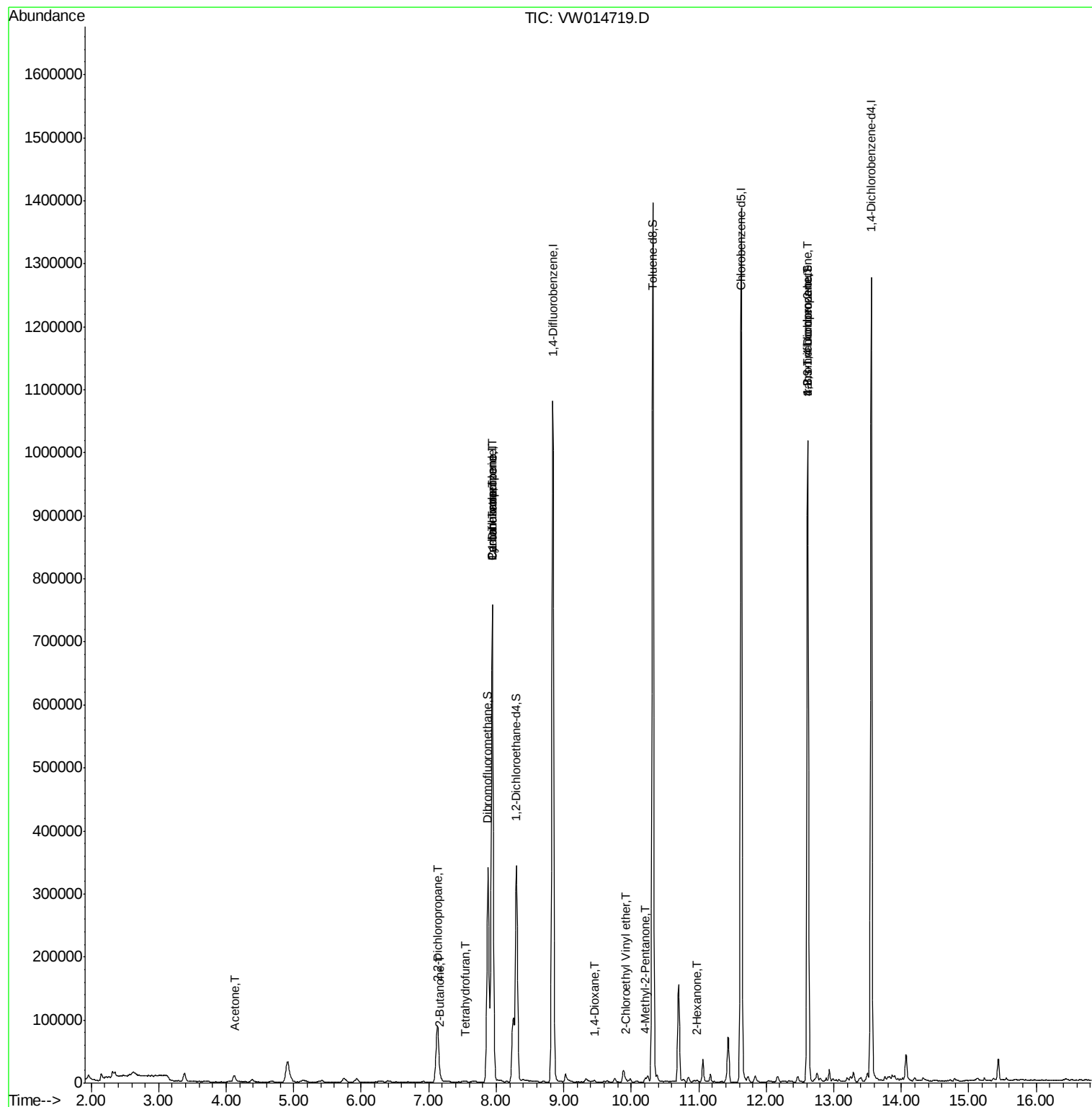
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	3174	Below Cal	#	93
16) Acetone	4.12	43	22151	15.550	ug/l	95
25) 2-Butanone	7.17	43	1975	1.080	ug/l	98
26) 2,2-Dichloropropane	7.13	77	6625	1.155	ug/l #	51
29) Tetrahydrofuran	7.54	42	1604	1.416	ug/l	93
31) Cyclohexane	7.94	56	12225	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	44833	5.099	ug/l #	48
38) Carbon Tetrachloride	7.94	117	53862	7.061	ug/l #	16
49) 1,4-Dioxane	9.45	88	383	6.795	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	6588	1.752	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.92	63	2221	1.277	ug/l	90
59) 2-Hexanone	10.96	43	2832	1.093	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	149387	45.378	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	149387	101.105	ug/l #	14

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

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QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

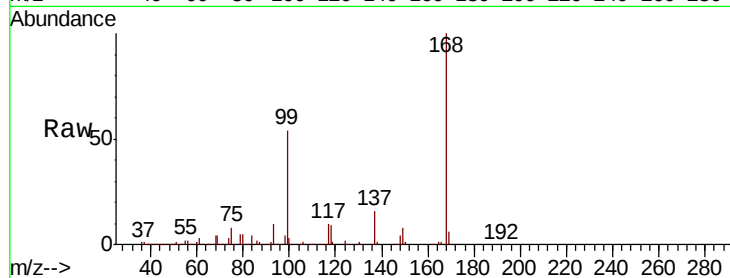
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 576995

Ion Ratio Lower Upper

168 100

99 54.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

250000

200000

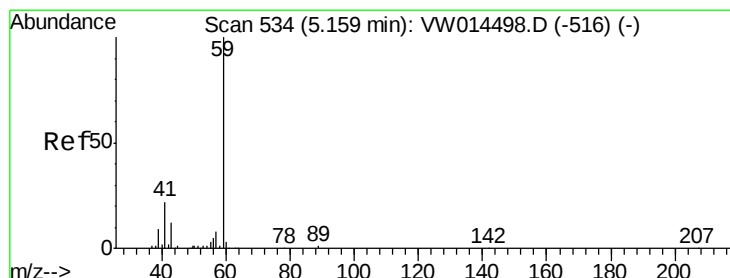
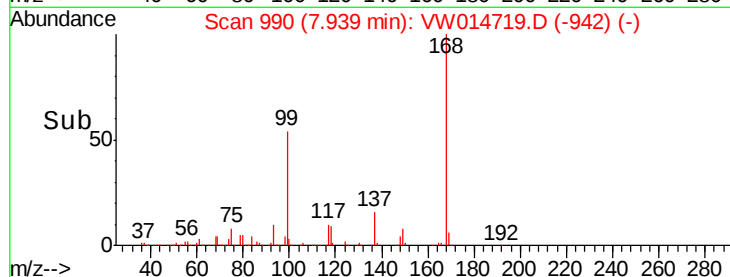
150000

100000

50000

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: VW014719.D

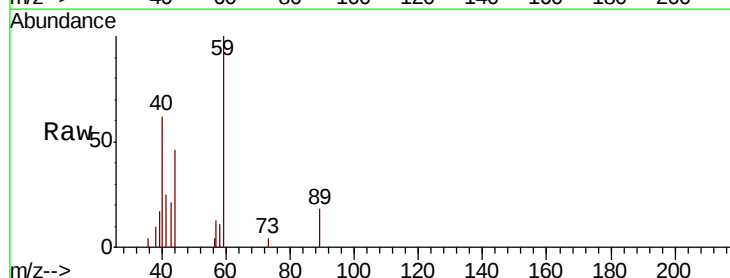
Acq: 23 Jan 2020 12:08

Tgt Ion: 59 Resp: 3174

Ion Ratio Lower Upper

59 100

57 12.3 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

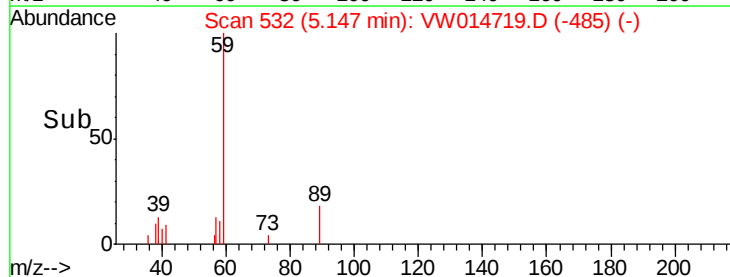
1500

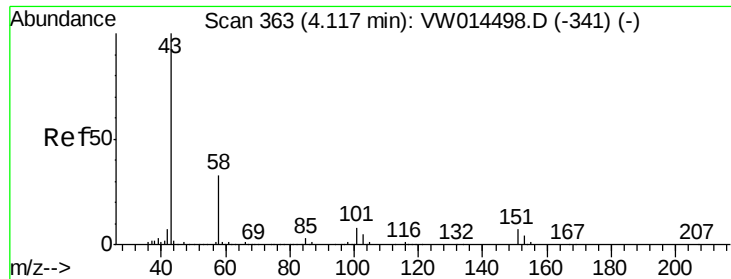
1000

500

0

Time--> 5.00 5.05 5.10 5.15

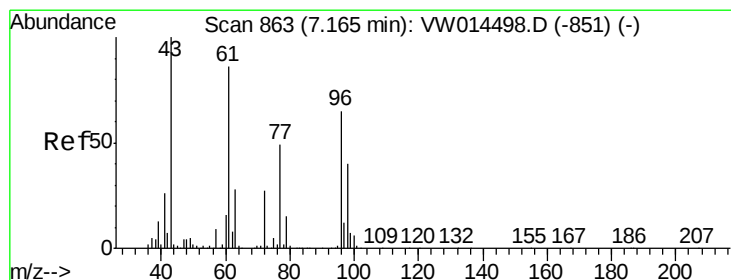
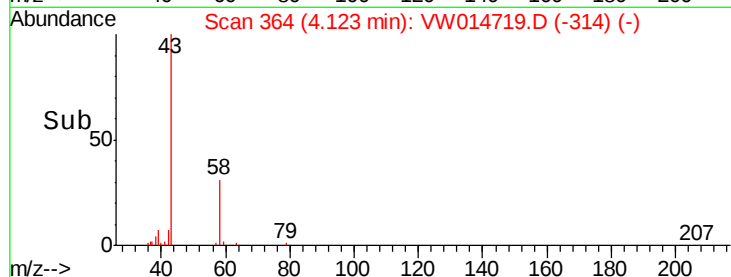
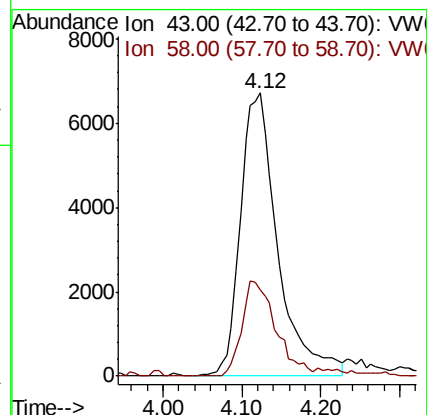
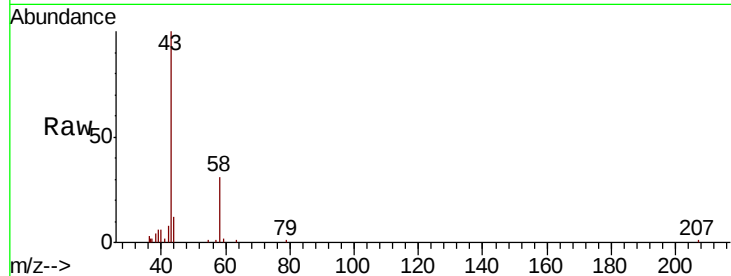




#16
Acetone
Concen: 15.550 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

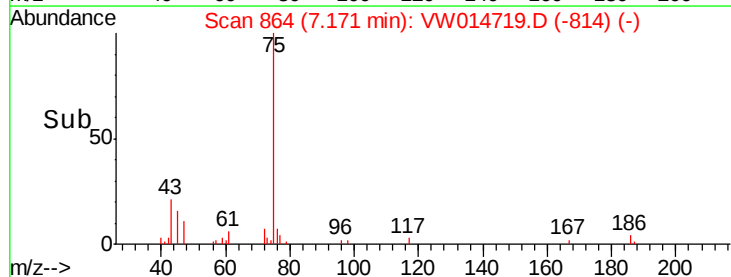
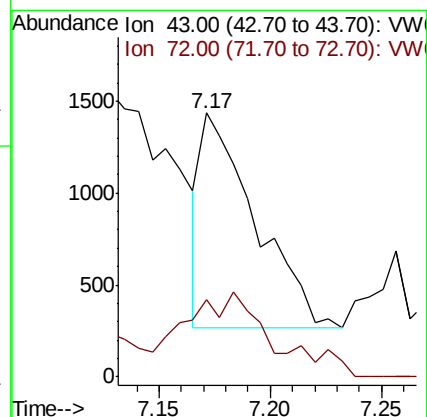
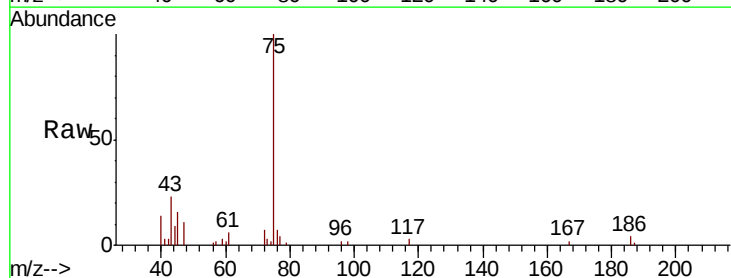
Instrument :
MSVOA_W
ClientSampleId :

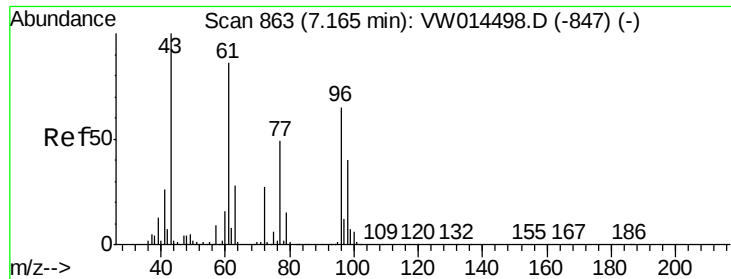
Tot Ion: 43 Resp: 22151
Ion Ratio Lower Upper
43 100
58 30.6 26.6 39.8



#25
2-Butanone
Concen: 1.080 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
72 28.5 21.9 32.9





#26

2,2-Dichloropropane

Concen: 1.155 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Instrument :

MSVOA_W

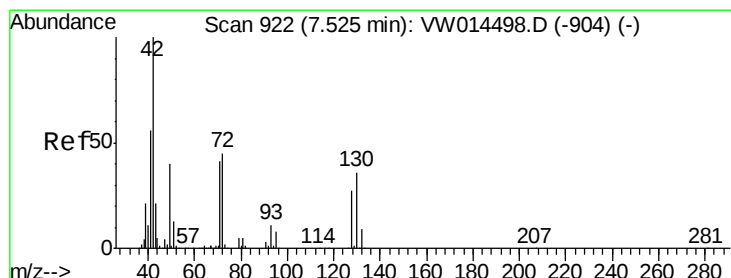
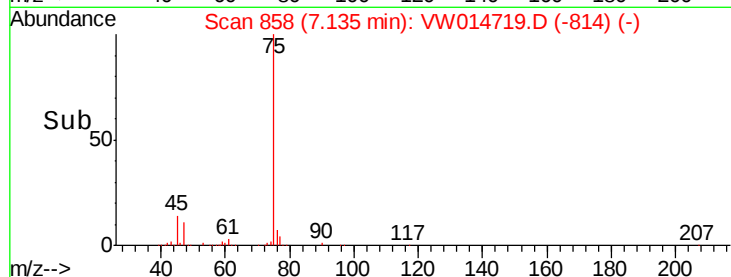
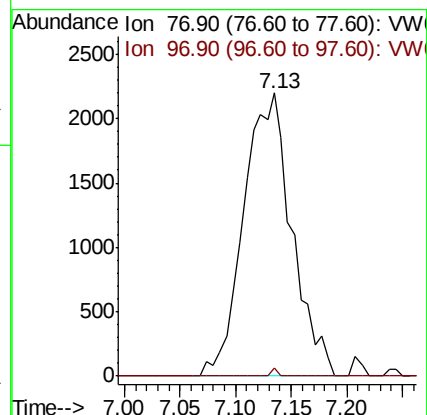
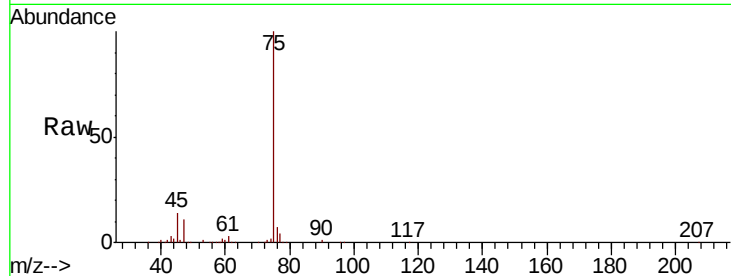
ClientSampled :

Tot Ion: 77 Resp: 6625

Ion Ratio Lower Upper

77 100

97 0.3 12.5 37.5#



#29

Tetrahydrofuran

Concen: 1.416 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

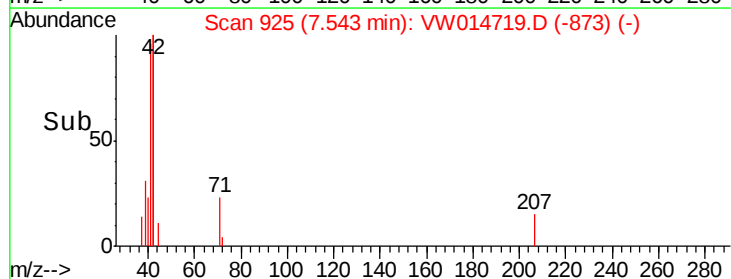
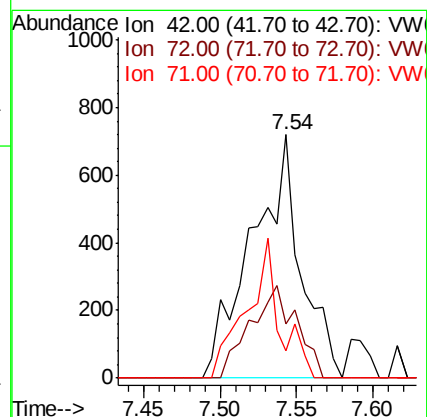
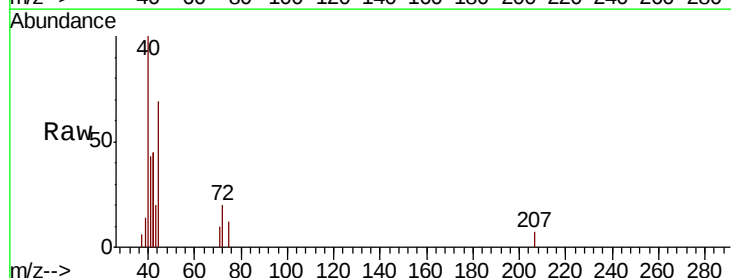
Tgt Ion: 42 Resp: 1604

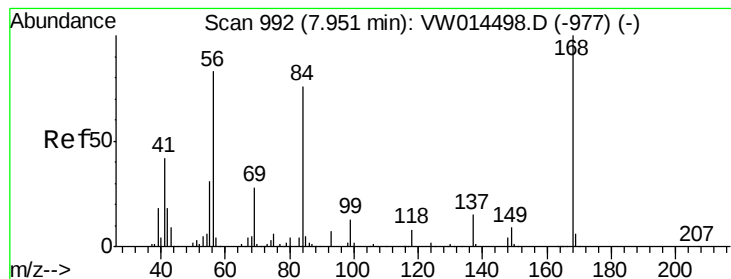
Ion Ratio Lower Upper

42 100

72 35.7 34.5 51.7

71 38.6 32.0 48.0





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Instrument :

MSVOA_W

ClientSampled :

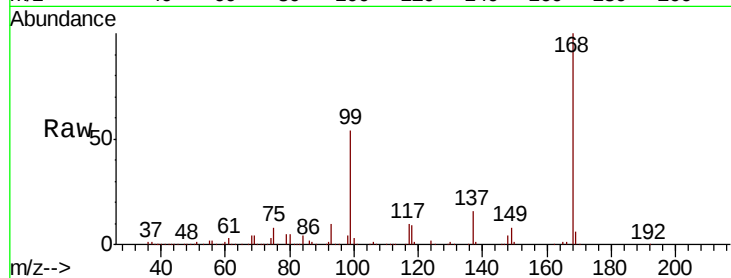
Tot Ion: 56 Resp: 12225

Ion Ratio Lower Upper

56 100

69 197.5 26.8 40.2#

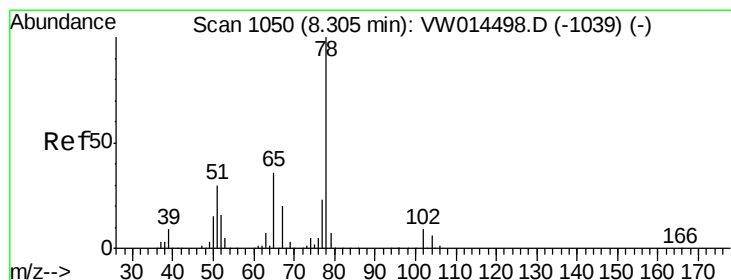
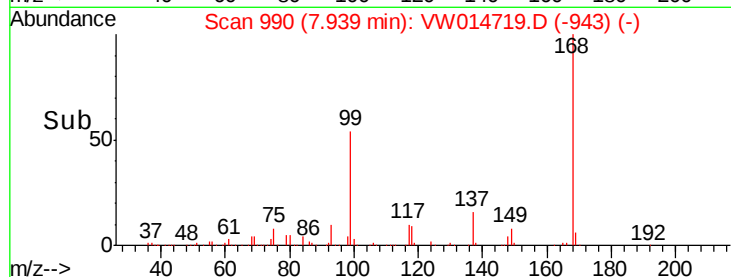
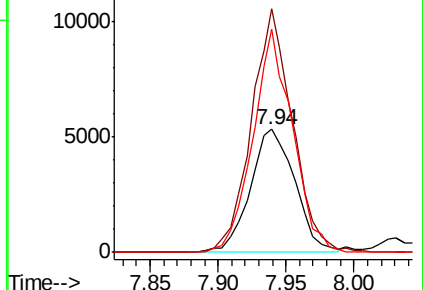
84 180.7 71.8 107.6#



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: 52.475 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014719.D

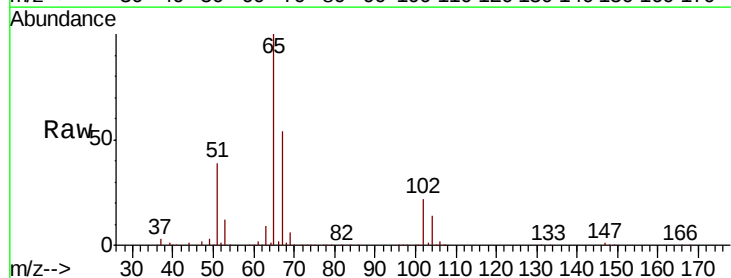
Acq: 23 Jan 2020 12:08

Tgt Ion: 65 Resp: 264724

Ion Ratio Lower Upper

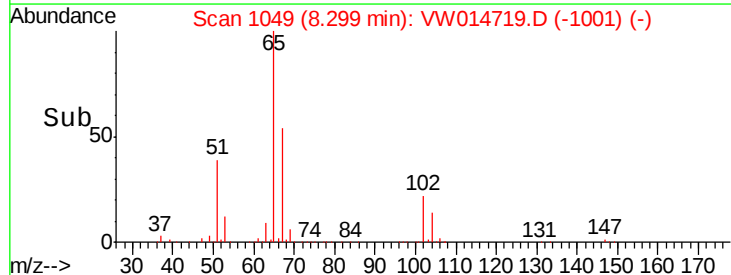
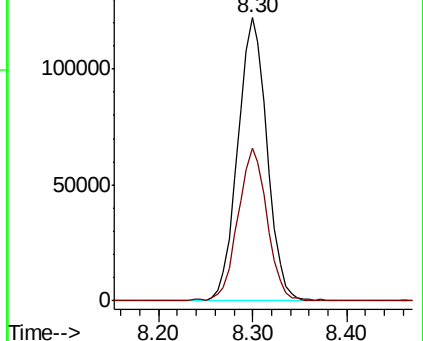
65 100

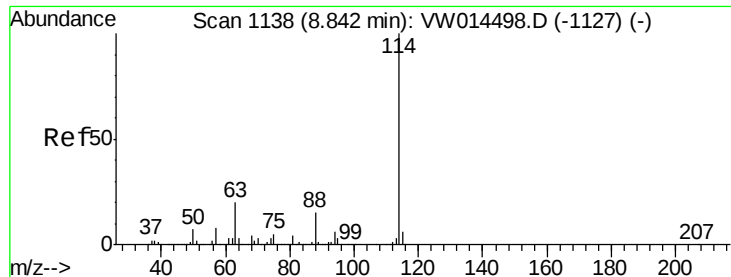
67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

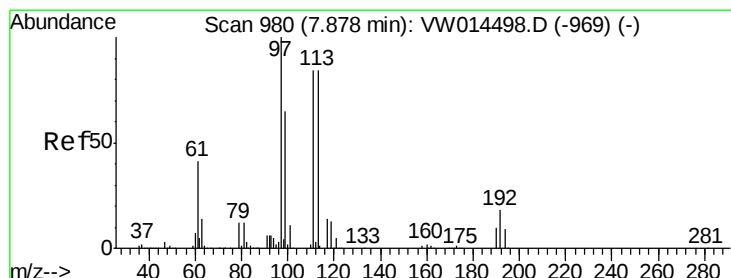
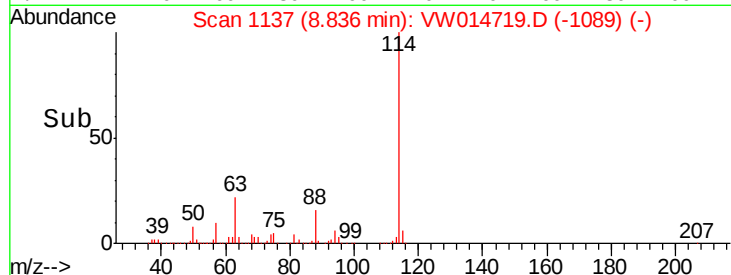
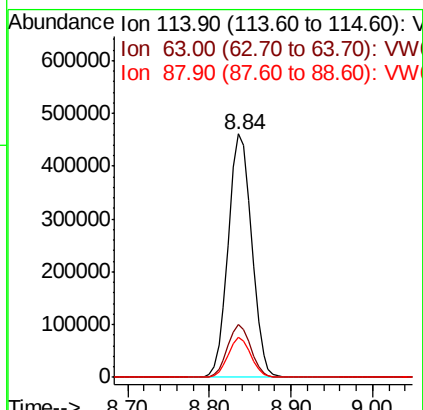
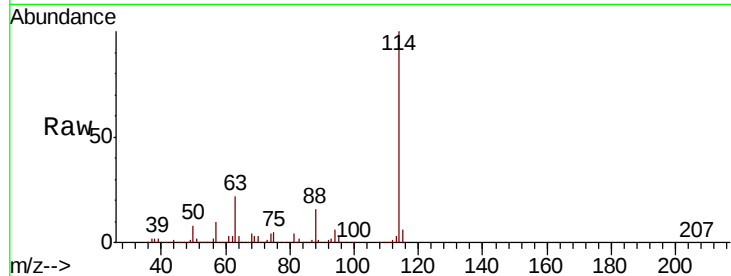




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

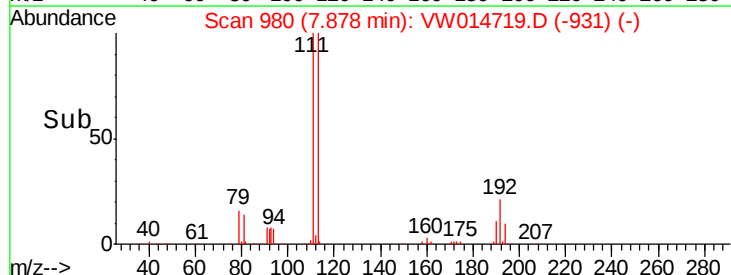
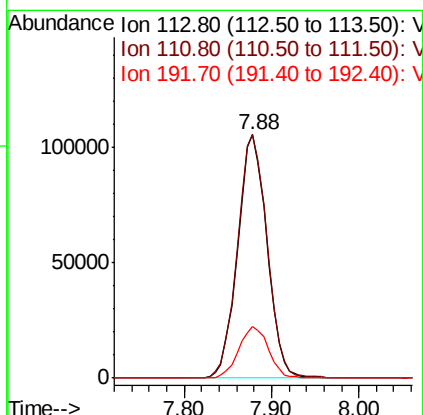
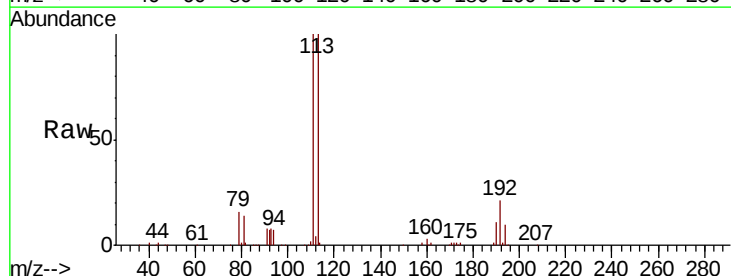
Instrument :
MSVOA_W
ClientSampleId :

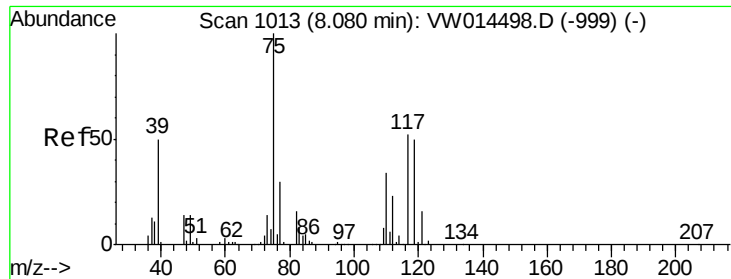
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	40.4
88	16.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 47.116 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	21.5	17.8	26.8

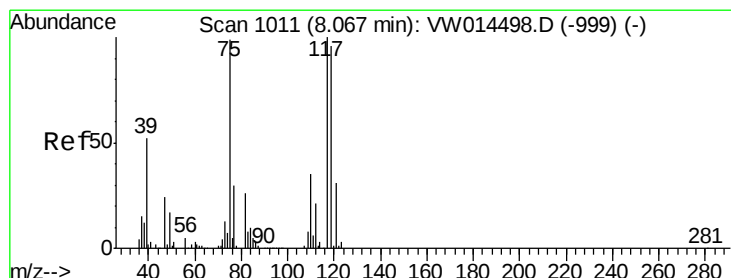
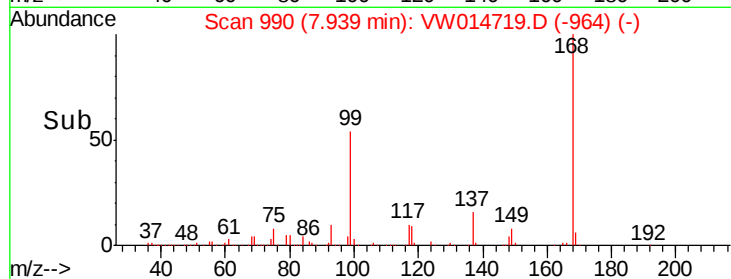
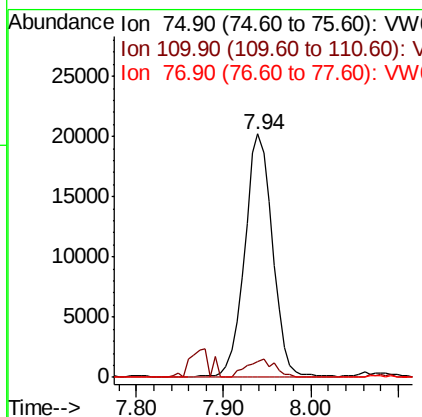
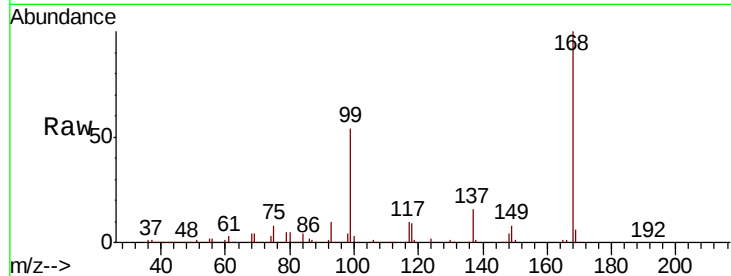




#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014719.D
 Acq: 23 Jan 2020 12:08

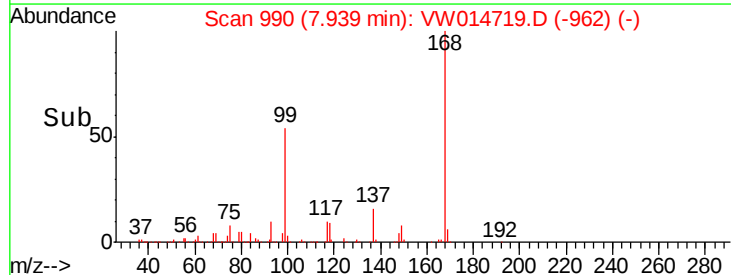
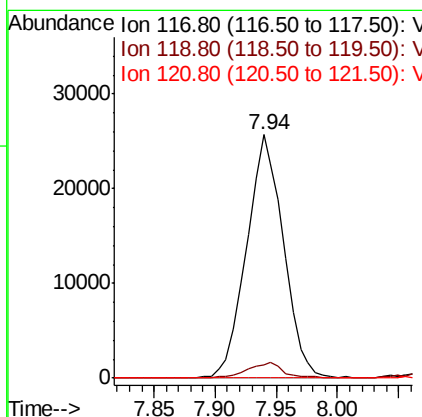
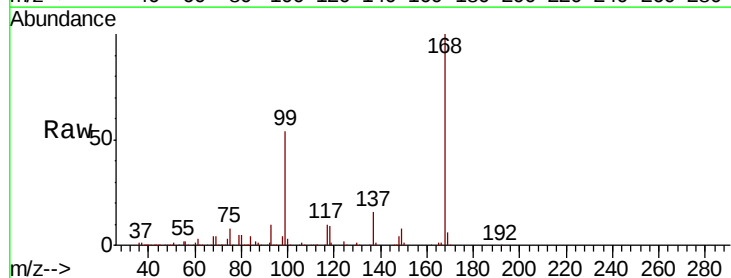
Instrument :
 MSVOA_W
 ClientSampled :

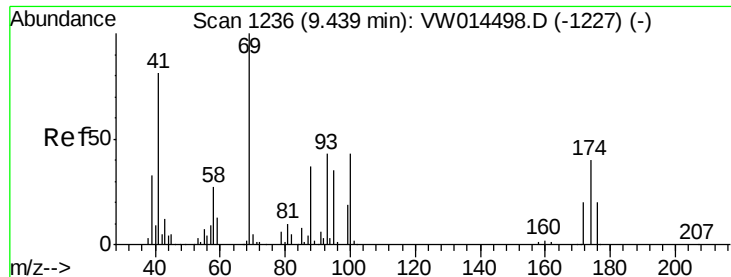
Tot Ion	75	Resp	44833
Ion Ratio	Lower	Upper	
75	100		
110	7.4	17.8	53.5#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.061 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW014719.D
 Acq: 23 Jan 2020 12:08

Tgt Ion	117	Resp	53862
Ion Ratio	Lower	Upper	
117	100		
119	5.3	77.0	115.6#
121	0.0	24.6	36.8#





#49

1,4-Dioxane

Concen: 6.795 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

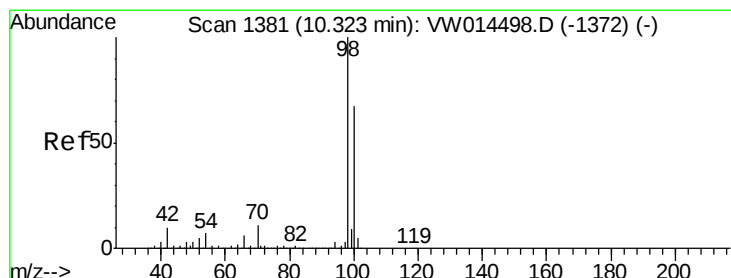
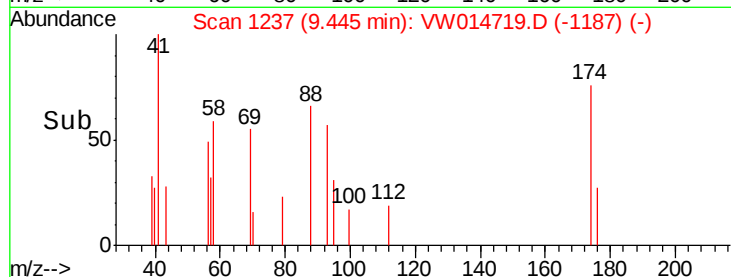
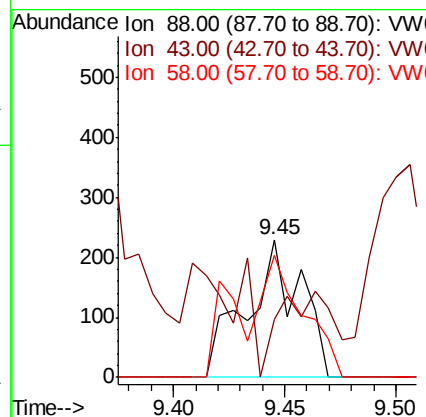
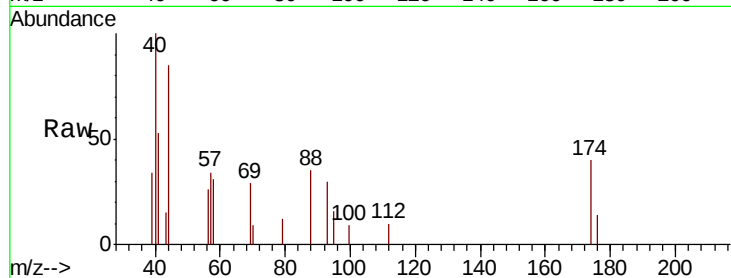
Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 383

Ion	Ratio	Lower	Upper
88	100		
43	62.7	24.9	37.3#
58	70.0	56.9	85.3



#50

Toluene-d8

Concen: 43.805 ug/l

RT: 10.32 min Scan# 1380

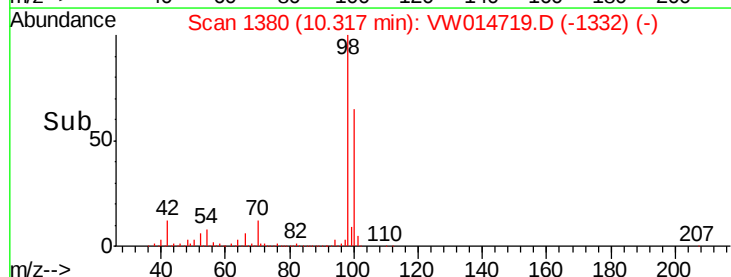
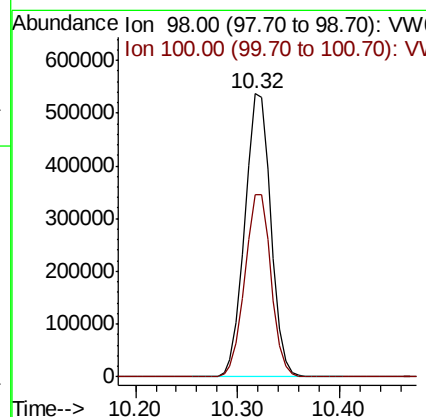
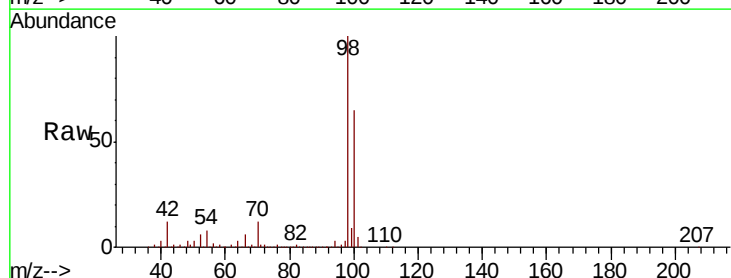
Delta R.T. -0.01 min

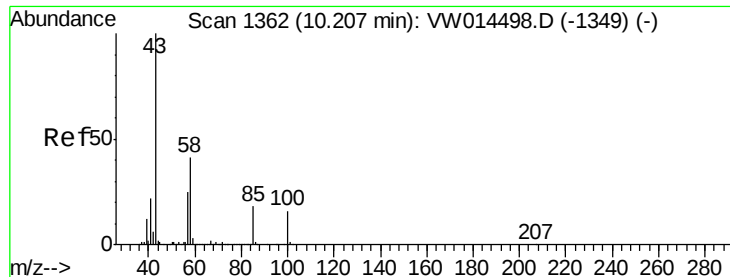
Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Tgt Ion: 98 Resp: 952869

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 1.752 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Instrument :

MSVOA_W

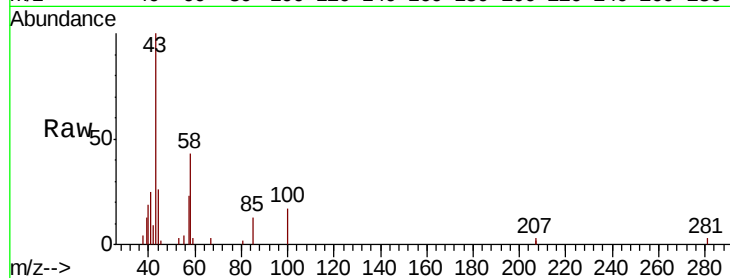
ClientSampled :

Tot Ion: 43 Resp: 6588

Ion Ratio Lower Upper

43 100

58 37.2 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

5000

4000

3000

2000

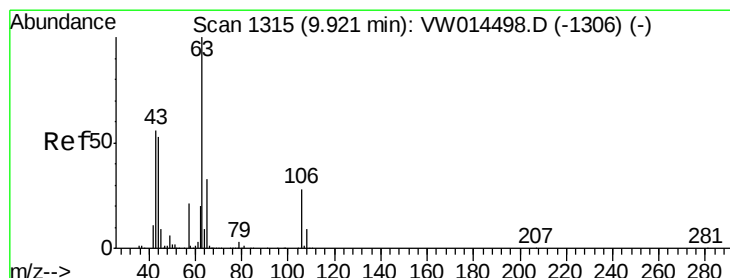
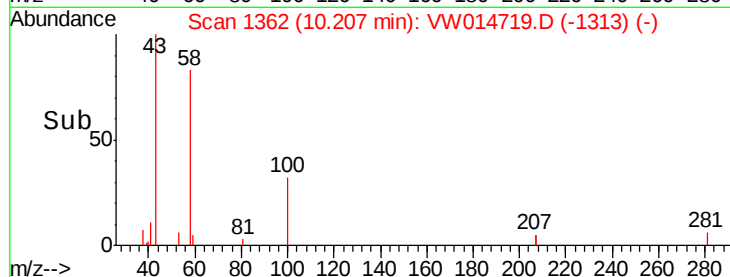
1000

0

Time-->

10.10 10.20 10.30

10.21



#58

2-Chloroethyl Vinyl ether

Concen: 1.277 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014719.D

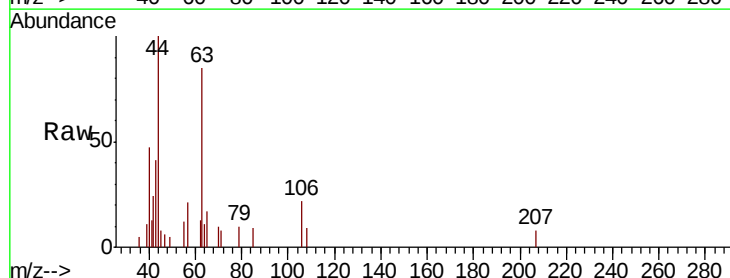
Acq: 23 Jan 2020 12:08

Tgt Ion: 63 Resp: 2221

Ion Ratio Lower Upper

63 100

106 23.5 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

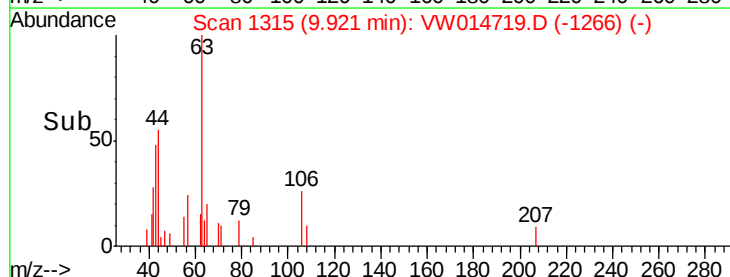
1000

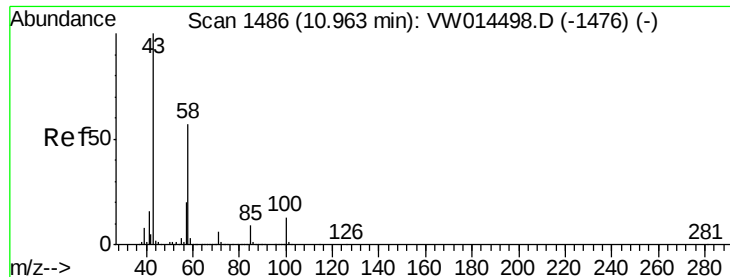
500

0

Time-->

9.90 9.92 10.00

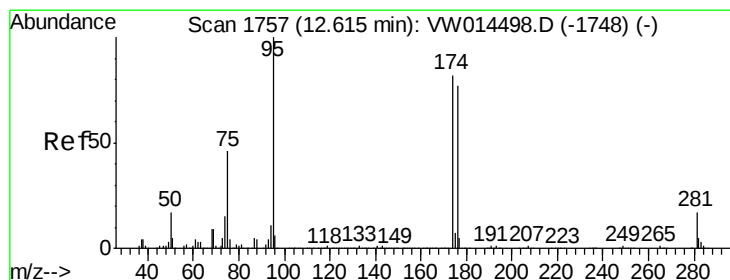
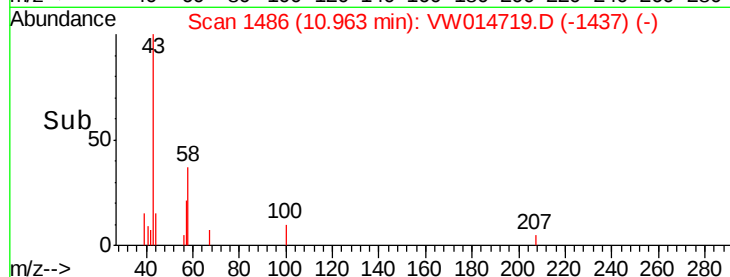
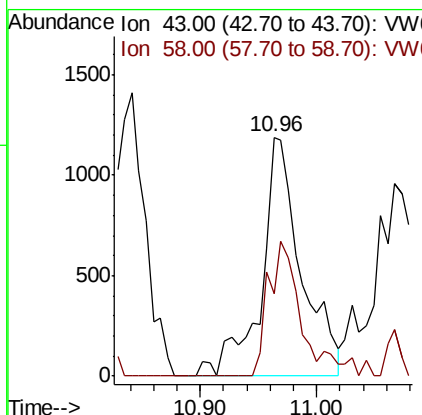
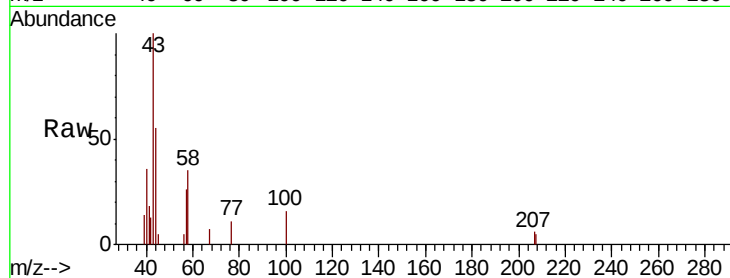




#59
2-Hexanone
Concen: 1.093 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

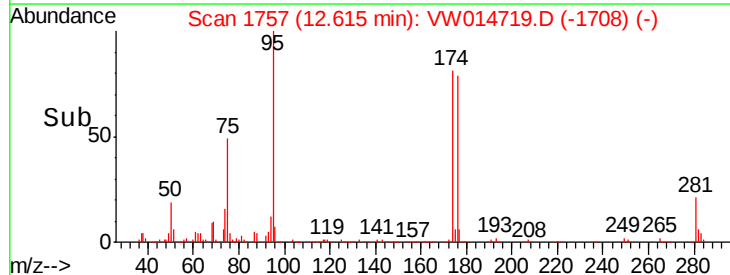
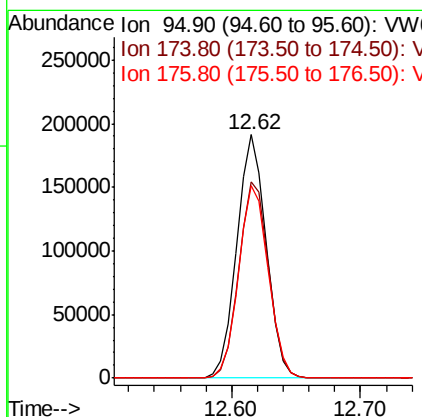
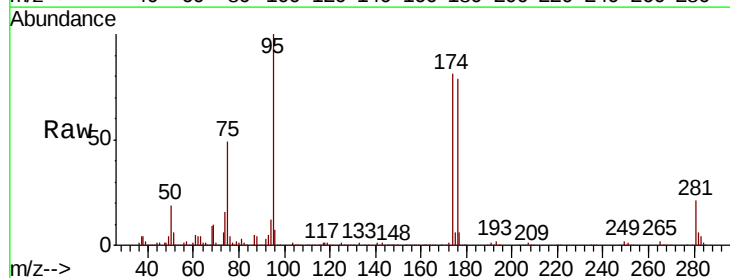
Instrument :
MSVOA_W
ClientSampleId :

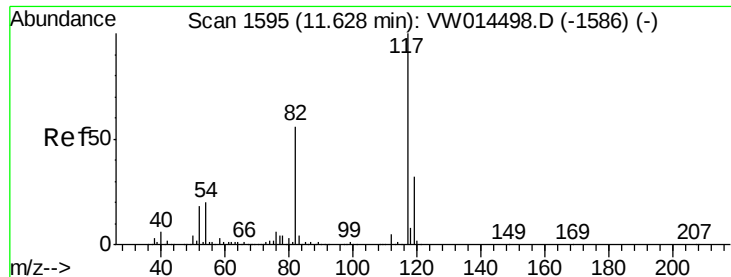
Tot Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
58 47.8 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 40.954 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

Tgt Ion: 95 Resp: 302168
Ion Ratio Lower Upper
95 100
174 82.0 0.0 168.6
176 79.8 0.0 162.0

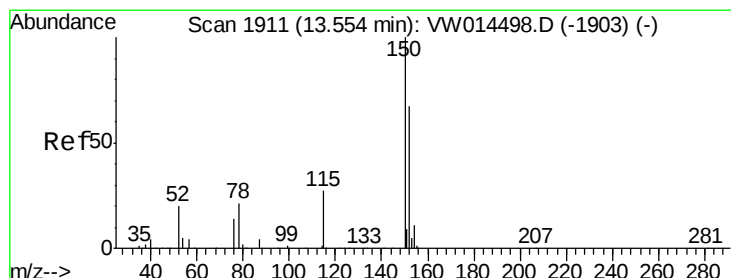
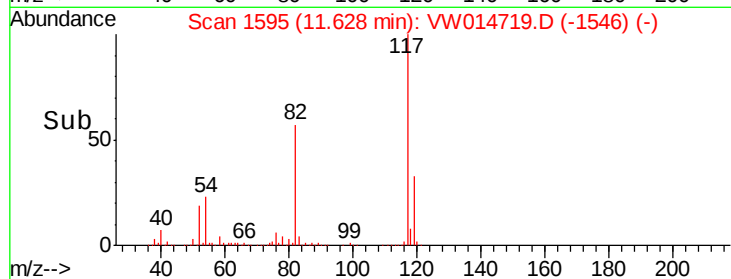
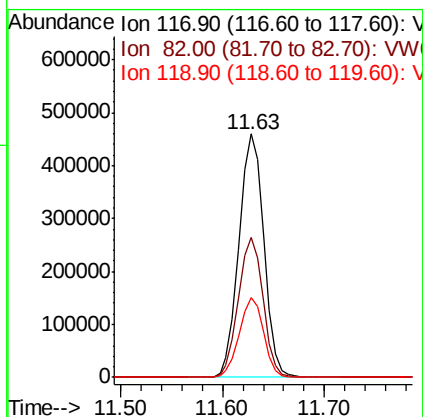
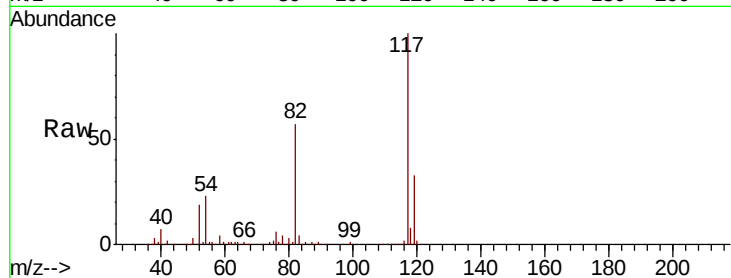




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

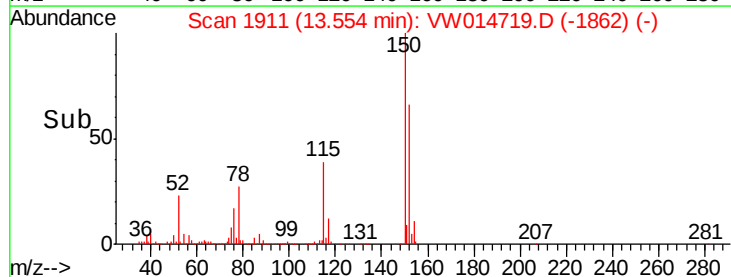
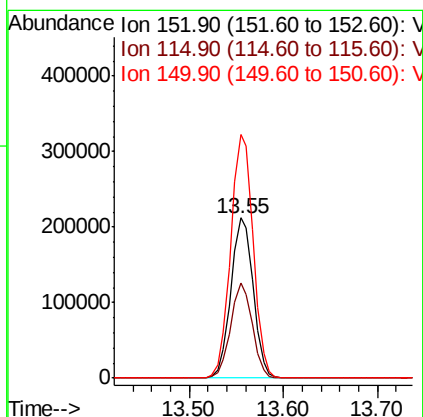
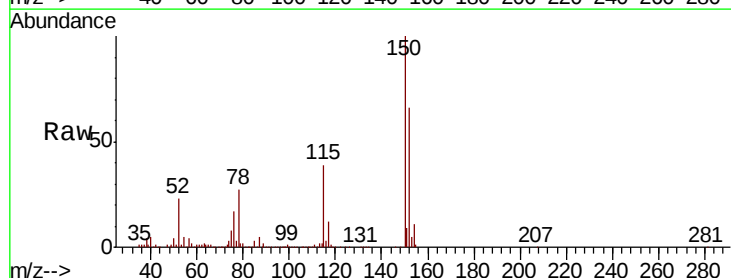
Instrument :
MSVOA_W
ClientSampleId :

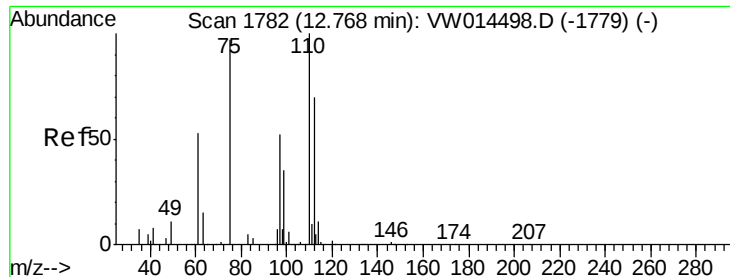
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	67.0
119	33.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014719.D
Acq: 23 Jan 2020 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.7	83.1
150	153.0	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 45.378 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

Instrument :

MSVOA_W

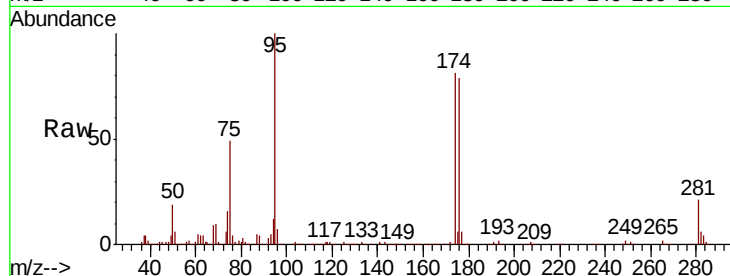
ClientSampled :

Tot Ion: 75 Resp: 149387

Ion Ratio Lower Upper

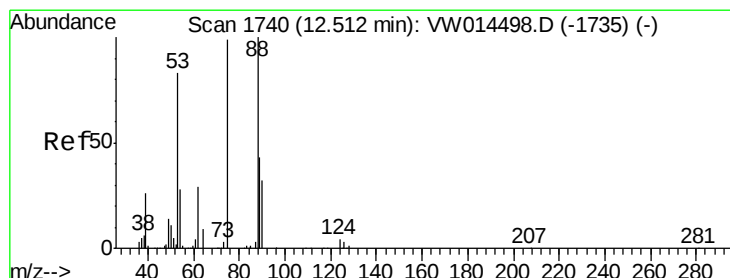
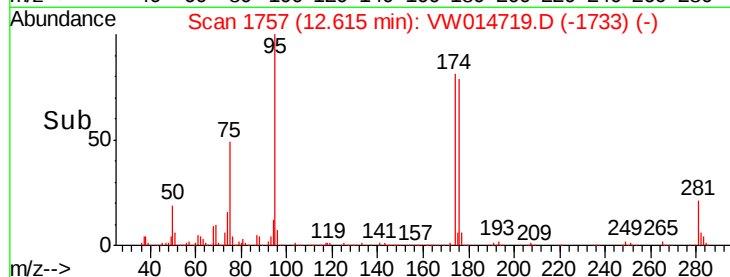
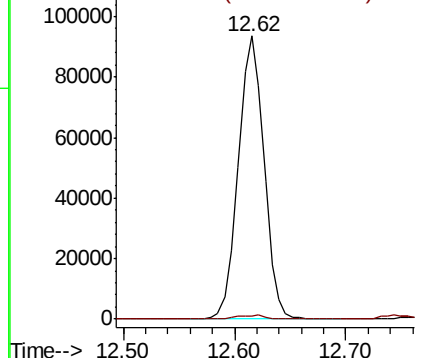
75 100

77 1.4 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: 101.105 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014719.D

Acq: 23 Jan 2020 12:08

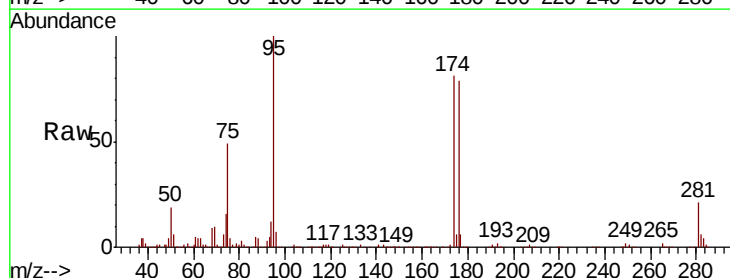
Tgt Ion: 75 Resp: 149387

Ion Ratio Lower Upper

75 100

53 0.1 70.9 106.3#

89 0.3 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

