

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014602.D
 Acq On : 10 Jan 2020 16:25
 Operator : SY/VA
 Sample : L1084-02
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AF-2

Quant Time: Jan 11 04:00:00 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	604954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	928436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	694401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	219939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	299835	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	7.88	113	298500	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
50) Toluene-d8	10.32	98	1096468	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.62	95	289509	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	

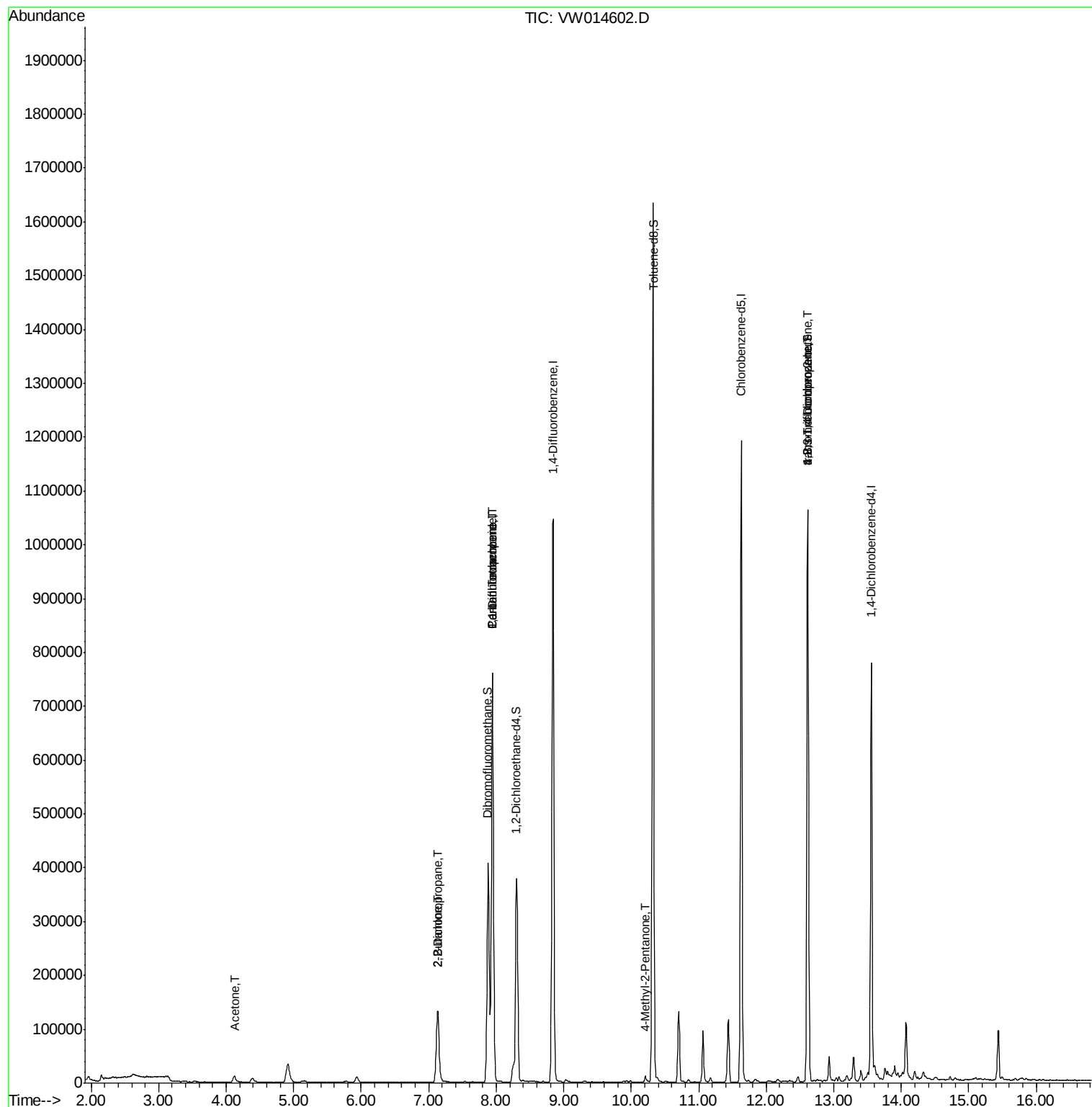
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	5683	Below Cal	#	93
16) Acetone	4.12	43	21977	14.715	ug/l	98
25) 2-Butanone	7.13	43	6522	3.403	ug/l #	85
26) 2,2-Dichloropropane	7.14	77	9367	1.558	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	43091	4.814	ug/l #	48
38) Carbon Tetrachloride	7.94	117	53187	6.849	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	7879	2.058	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	135871	65.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	135871	145.577	ug/l #	14

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

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MSVOA_W
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Quant Time: Jan 11 04:00:00 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: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampled :

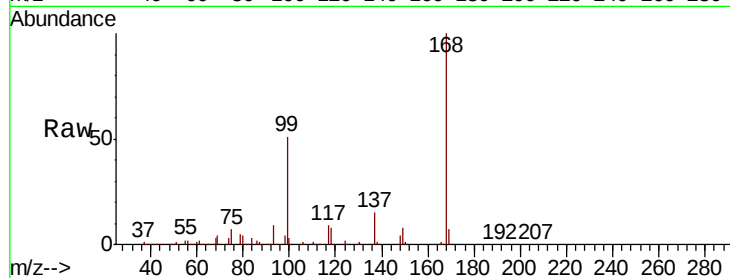
AF-2

Tot Ion:168 Resp: 604954

Ion Ratio Lower Upper

168 100

99 51.1 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

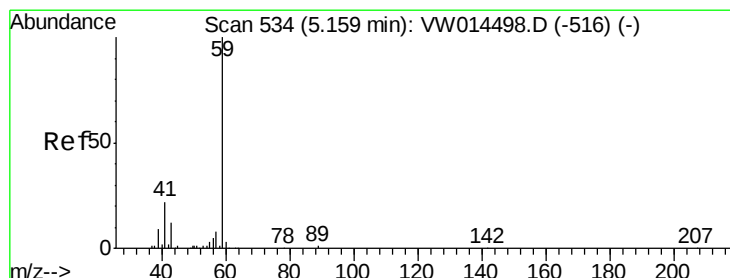
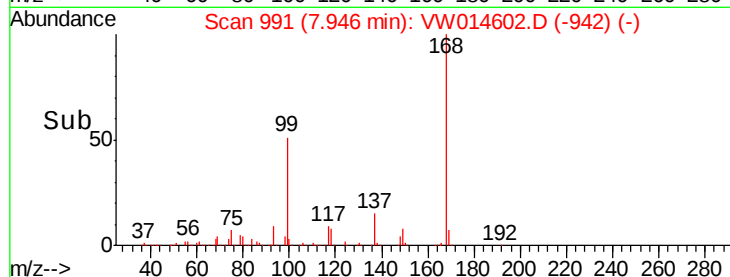
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014602.D

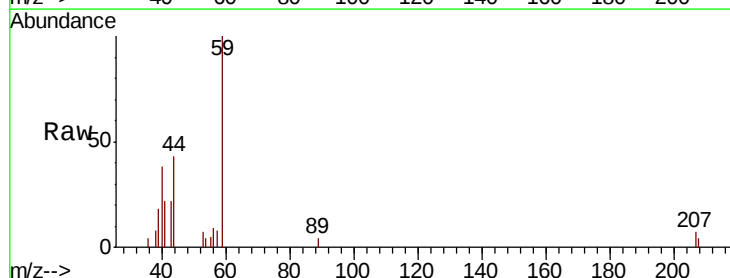
Acq: 10 Jan 2020 16:25

Tgt Ion: 59 Resp: 5683

Ion Ratio Lower Upper

59 100

57 7.4 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

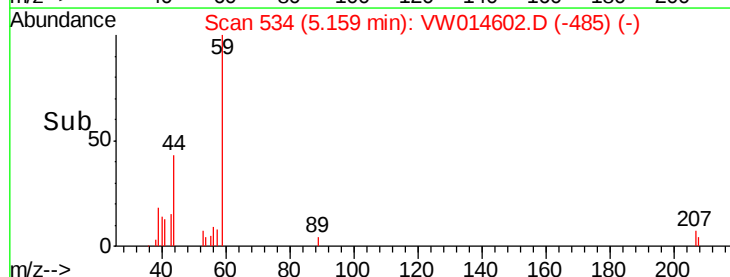
1500

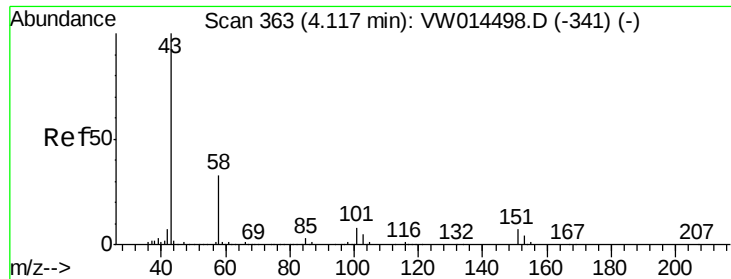
1000

500

0

Time--> 5.10 5.20





#16

Acetone

Concen: 14.715 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampled :

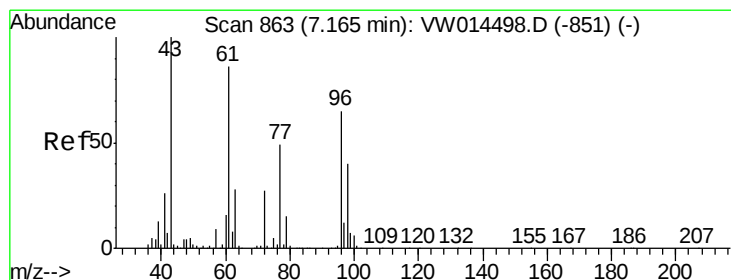
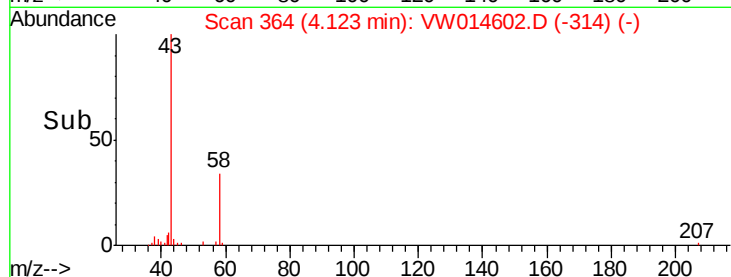
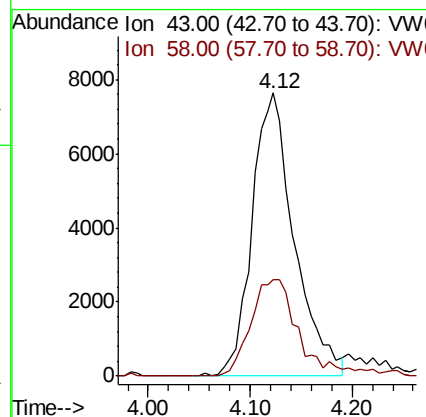
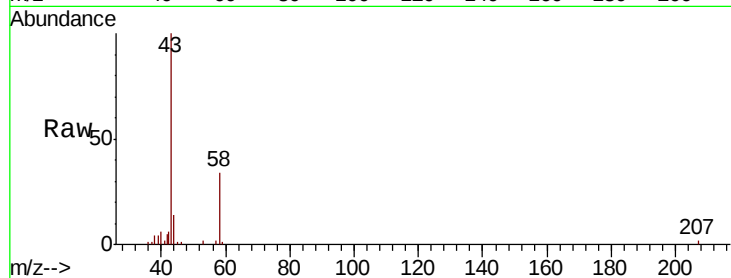
AF-2

Tot Ion: 43 Resp: 21977

Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8



#25

2-Butanone

Concen: 3.403 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW014602.D

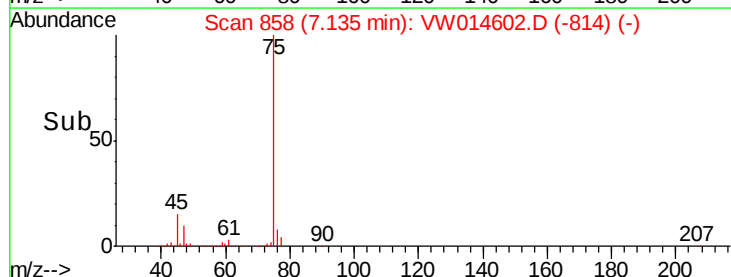
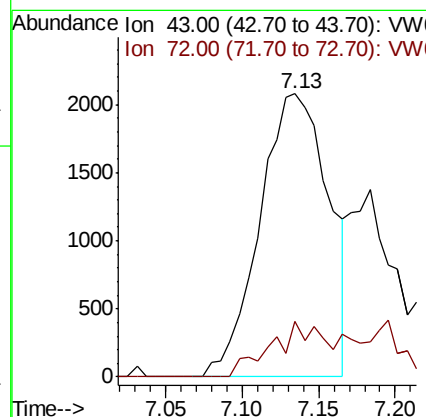
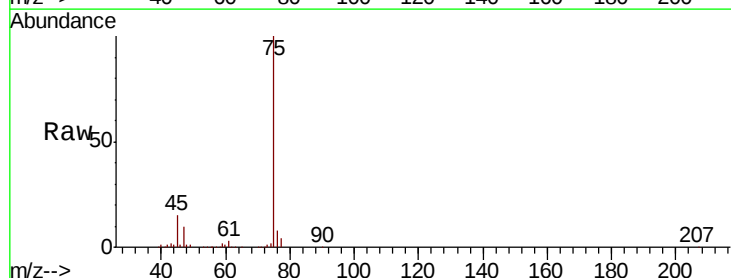
Acq: 10 Jan 2020 16:25

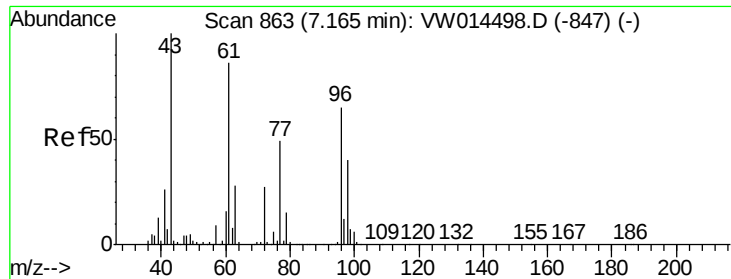
Tgt Ion: 43 Resp: 6522

Ion Ratio Lower Upper

43 100

72 19.4 21.9 32.9#





#26

2,2-Dichloropropane

Concen: 1.558 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

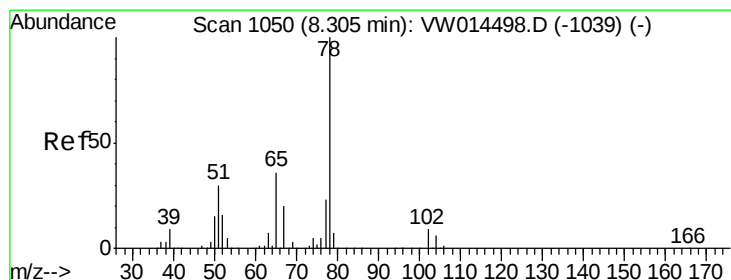
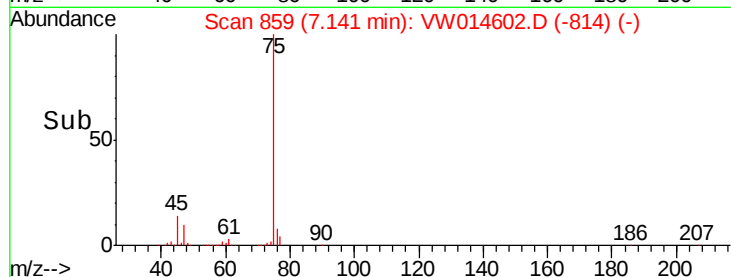
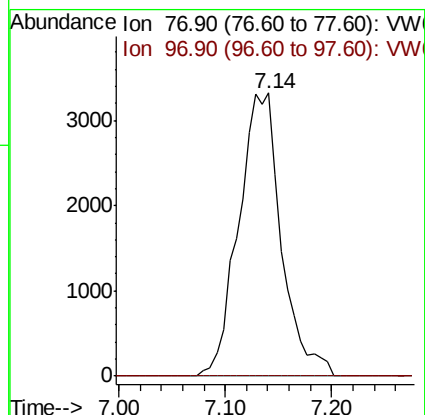
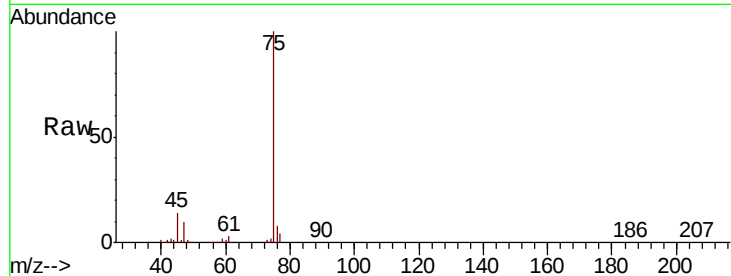
AF-2

Tot Ion: 77 Resp: 9367

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#



#33

1,2-Dichloroethane-d4

Concen: 56.688 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014602.D

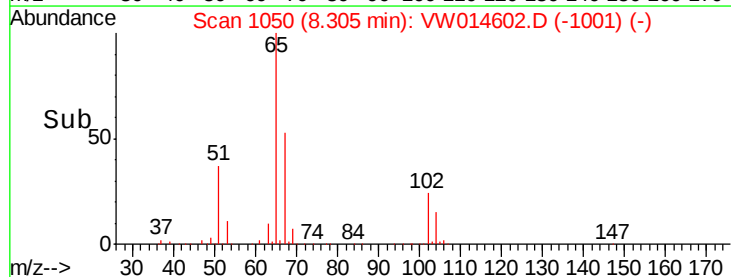
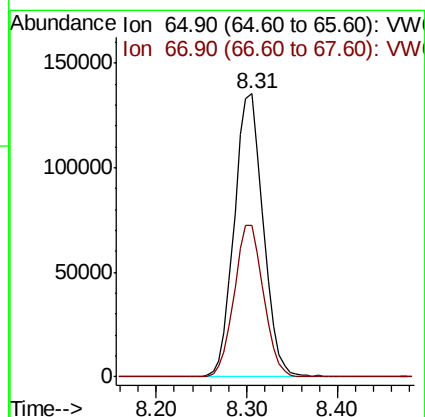
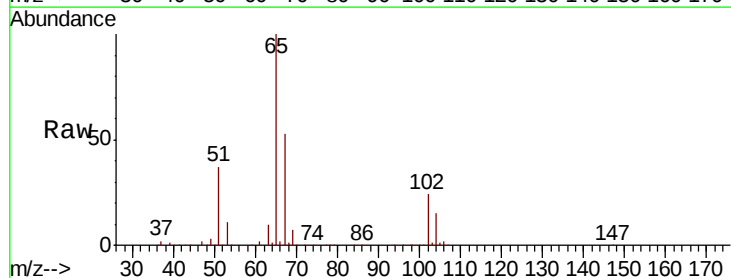
Acq: 10 Jan 2020 16:25

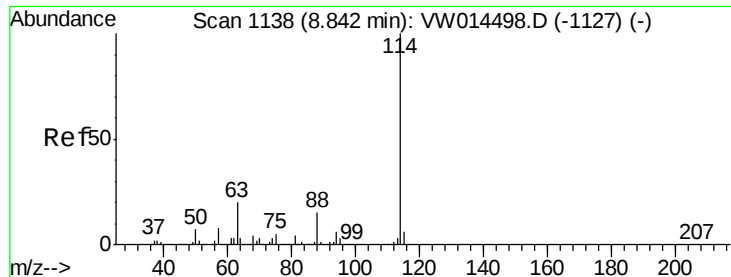
Tgt Ion: 65 Resp: 299835

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4

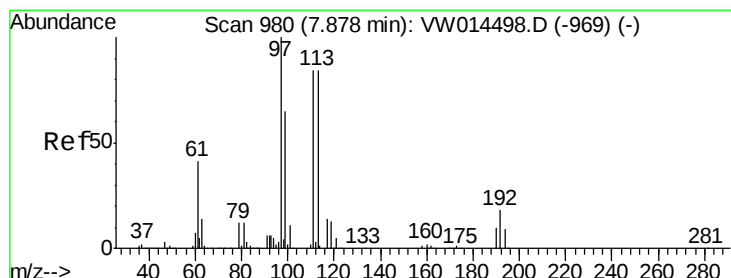
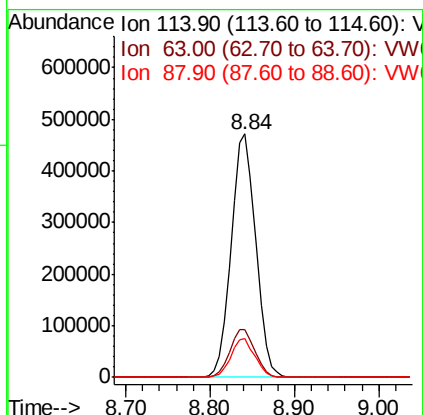
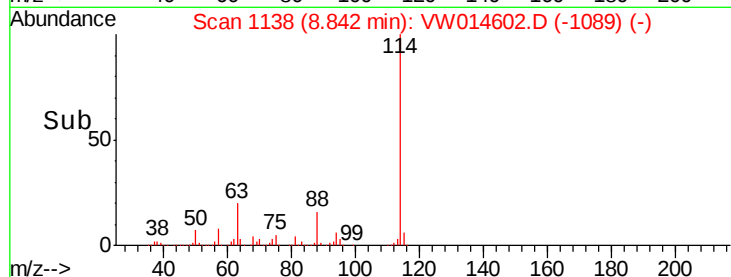
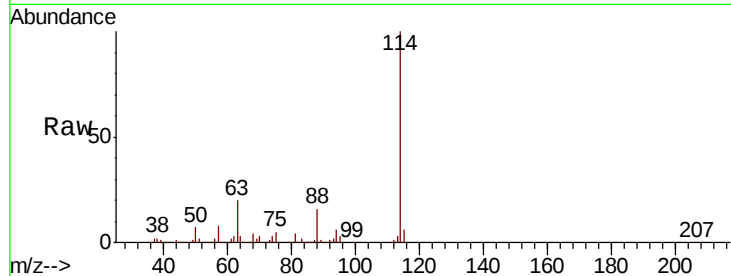




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW014602.D
Acq: 10 Jan 2020 16:25

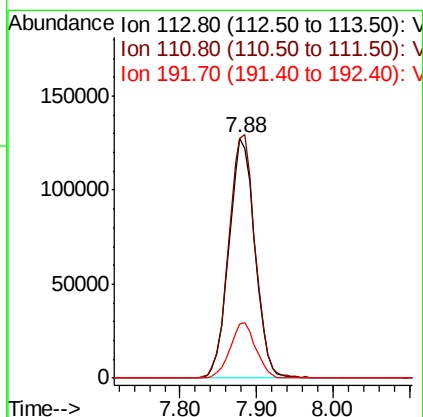
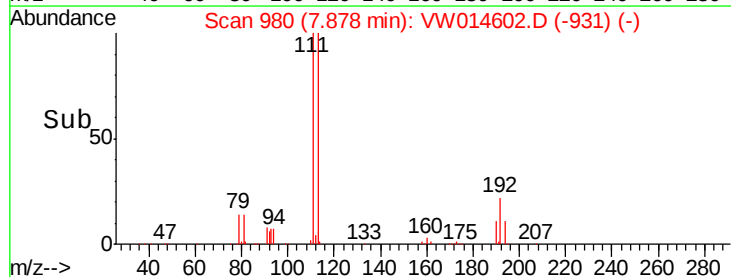
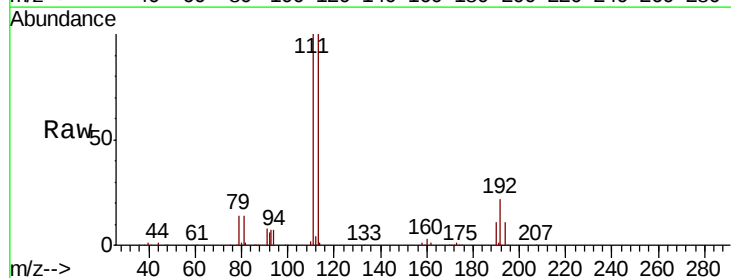
Instrument :
MSVOA_W
ClientSampleId :
AF-2

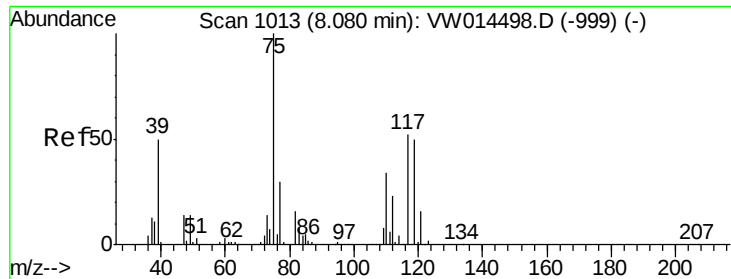
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.4
88	15.9	0.0	30.6



#35
Dibromofluoromethane
Concen: 56.255 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW014602.D
Acq: 10 Jan 2020 16:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	22.9	17.8	26.8

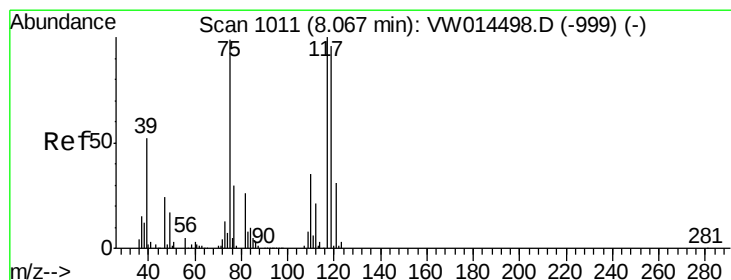
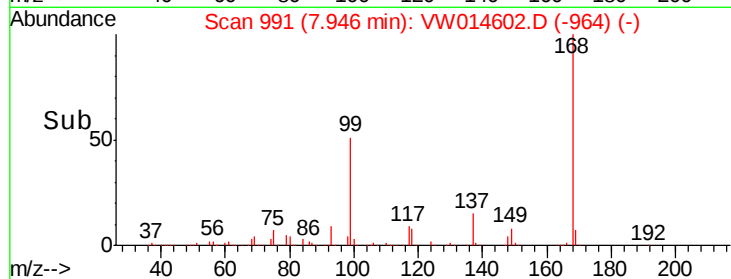
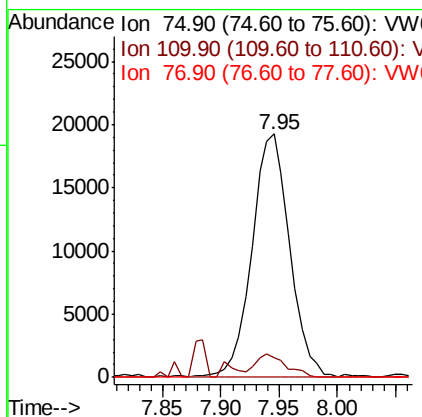
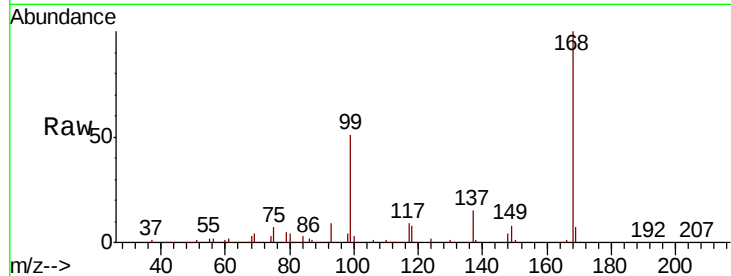




#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014602.D
 Acq: 10 Jan 2020 16:25

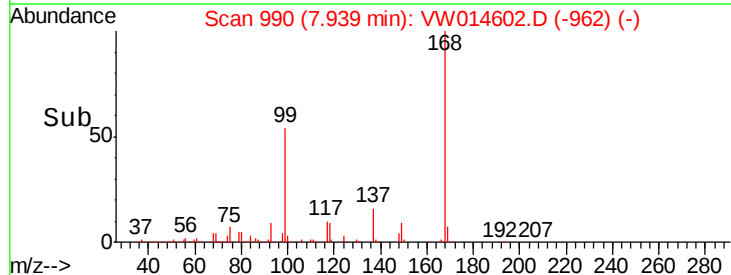
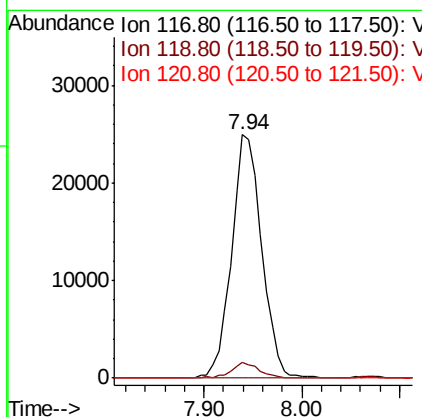
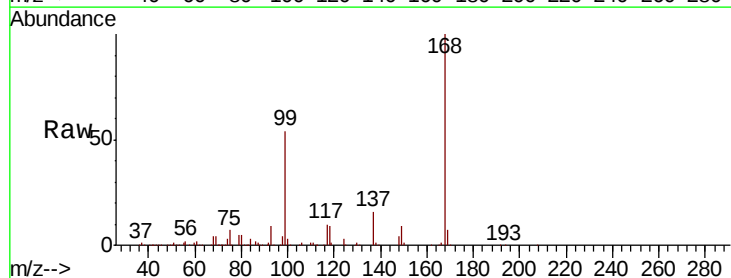
Instrument :
 MSVOA_W
 ClientSampleId :
 AF-2

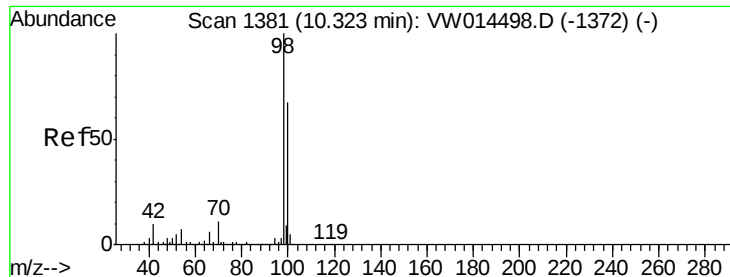
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.849 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW014602.D
 Acq: 10 Jan 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 49.515 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

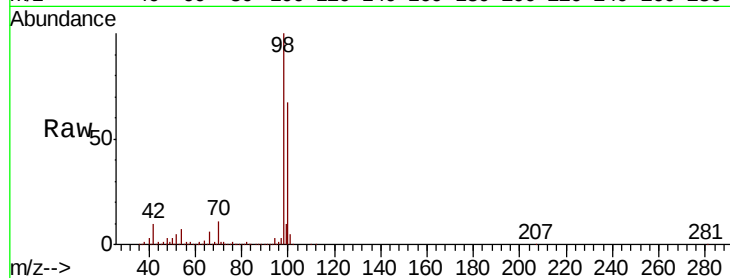
AF-2

Tot Ion: 98 Resp: 1096468

Ion Ratio Lower Upper

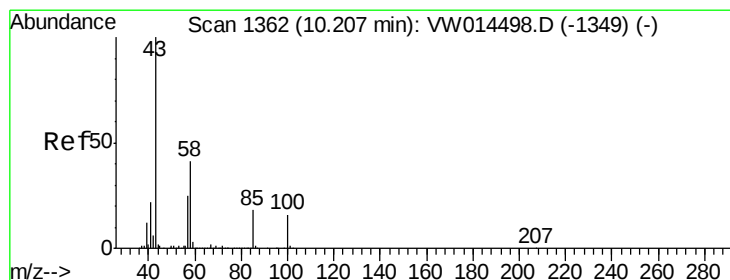
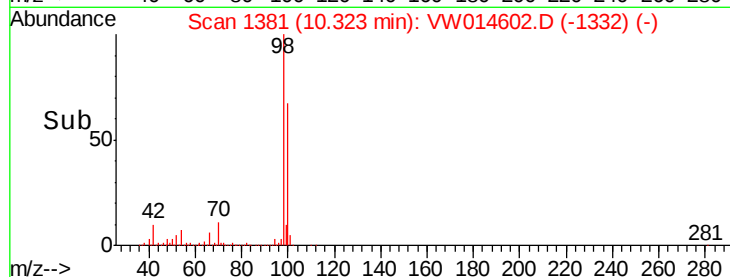
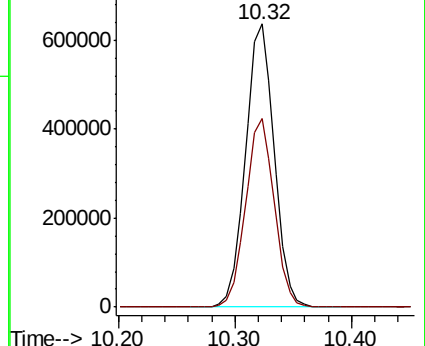
98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.058 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014602.D

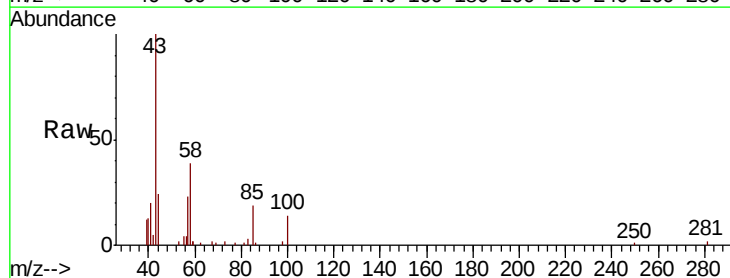
Acq: 10 Jan 2020 16:25

Tgt Ion: 43 Resp: 7879

Ion Ratio Lower Upper

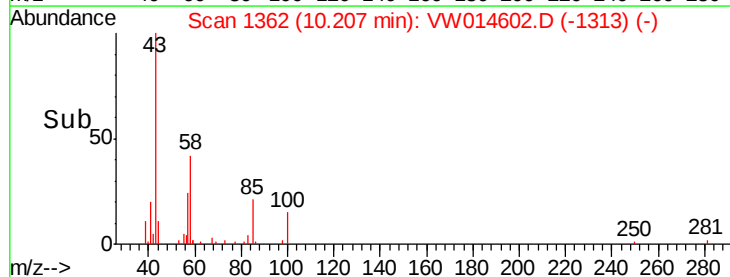
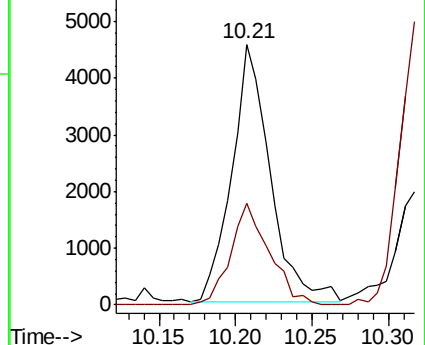
43 100

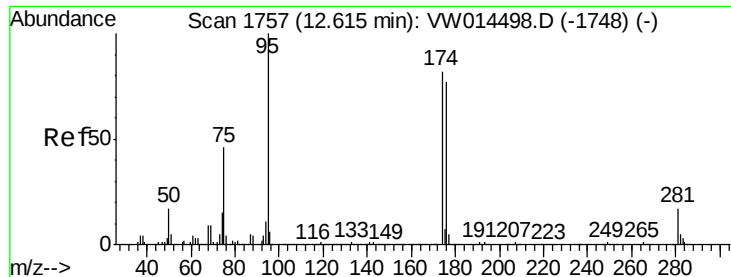
58 40.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

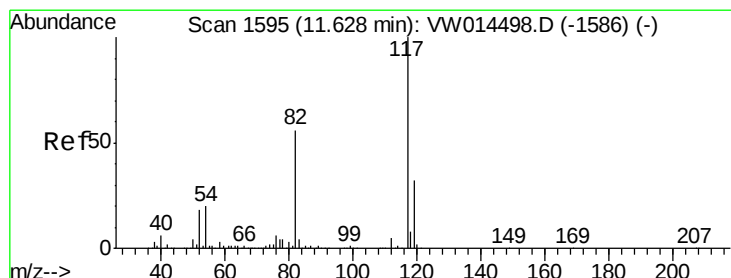
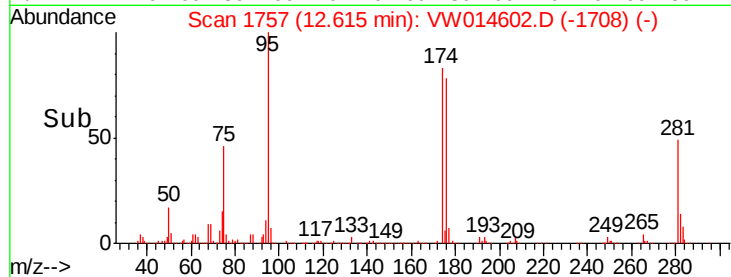
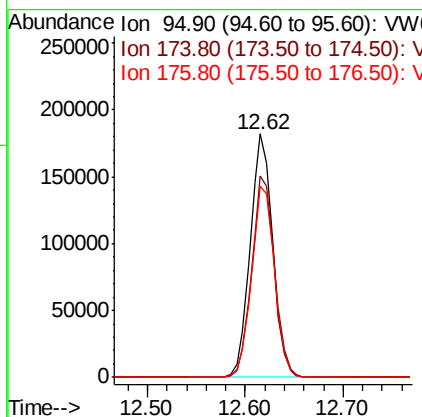
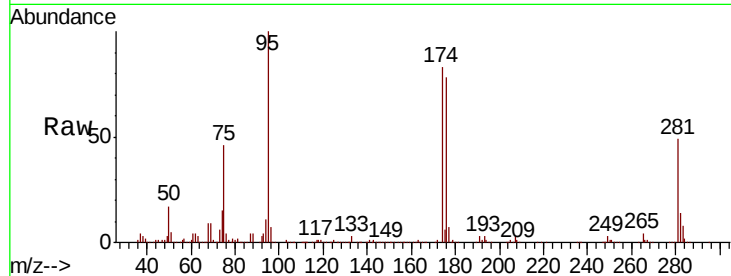




#62
4-Bromofluorobenzene
Concen: 38.545 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014602.D
Acq: 10 Jan 2020 16:25

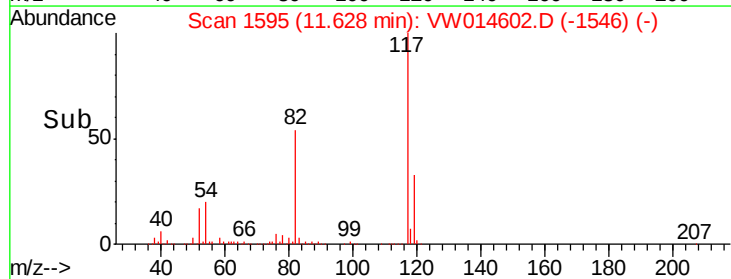
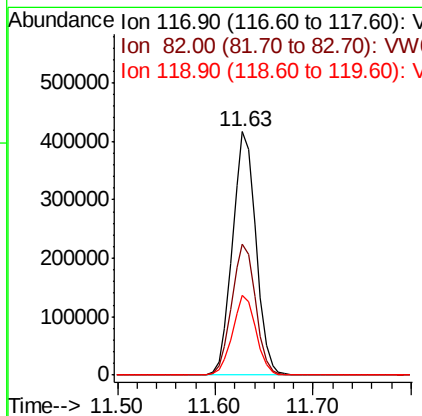
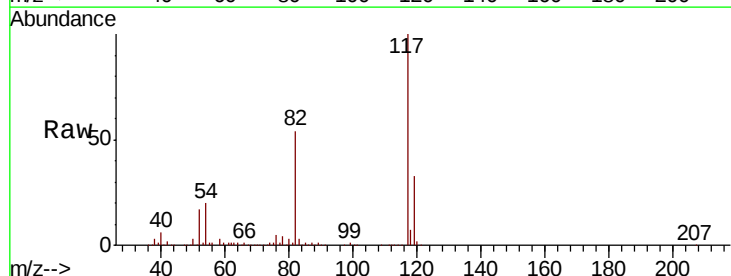
Instrument :
MSVOA_W
ClientSampleId :
AF-2

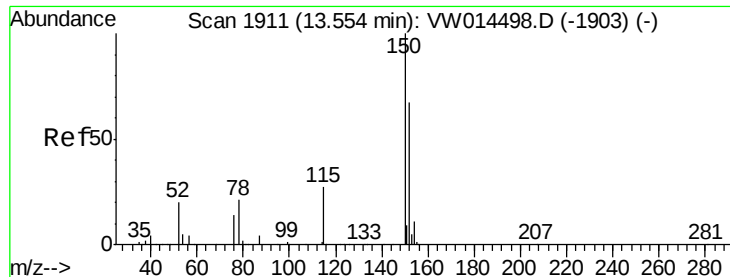
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.6
176	80.0	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014602.D
Acq: 10 Jan 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.6	67.0
119	32.7	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: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampled :

AF-2

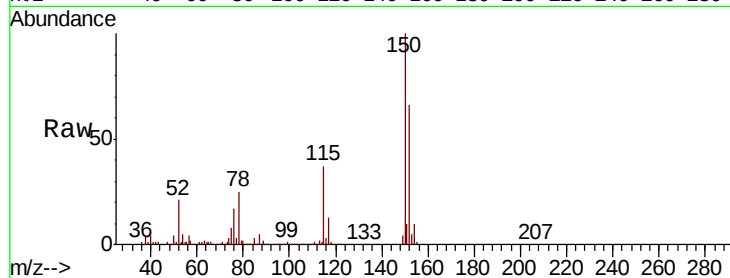
Tot Ion:152 Resp: 219939

Ion Ratio Lower Upper

152 100

115 55.7 27.7 83.1

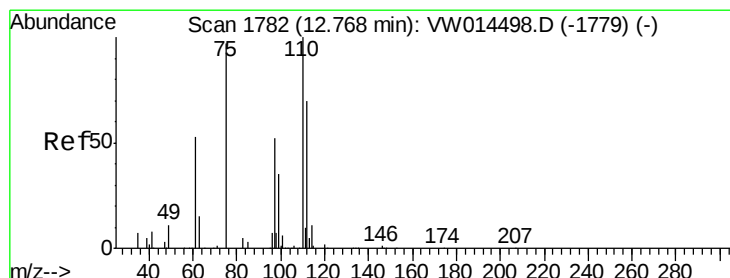
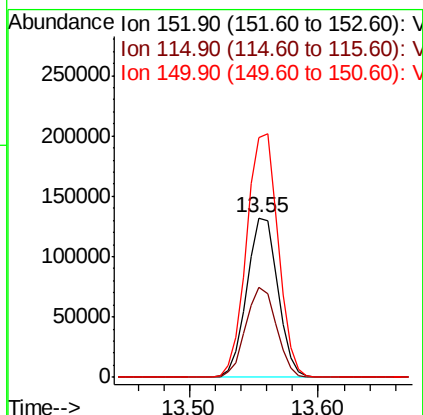
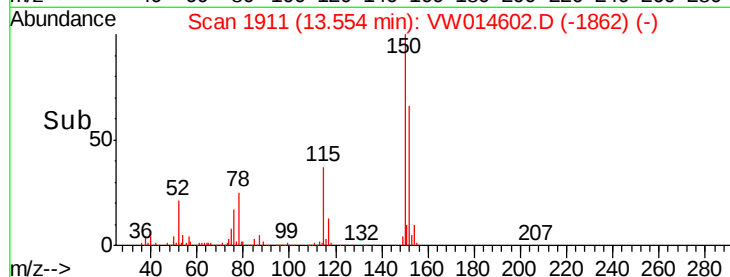
150 154.7 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 65.339 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014602.D

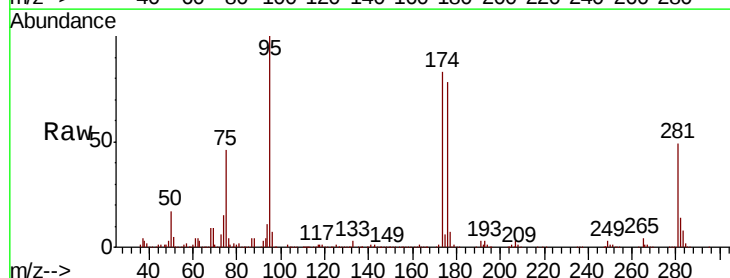
Acq: 10 Jan 2020 16:25

Tgt Ion: 75 Resp: 135871

Ion Ratio Lower Upper

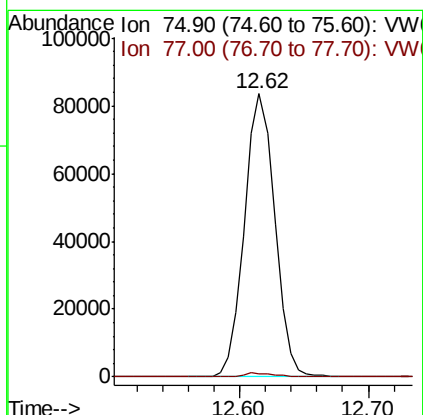
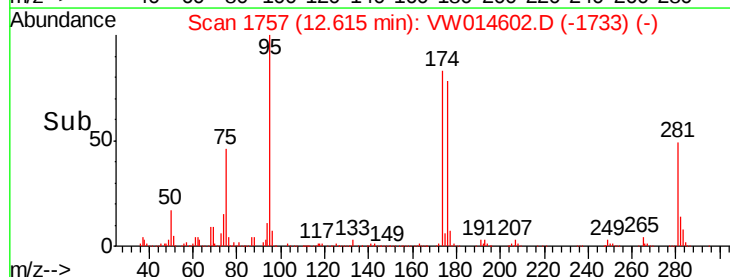
75 100

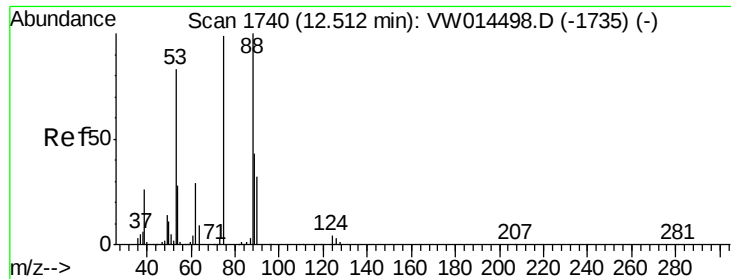
77 1.5 0.0 0.0#



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: 145.577 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014602.D

Acq: 10 Jan 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

AF-2

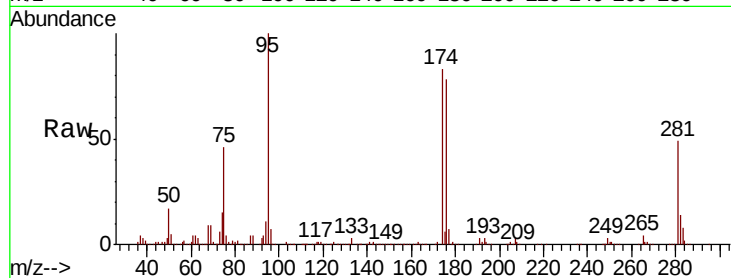
Tot Ion: 75 Resp: 135871

Ion Ratio Lower Upper

75 100

53 0.1 70.9 106.3#

89 0.8 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

