

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014552.D
 Acq On : 08 Jan 2020 11:01
 Operator : SY/VA
 Sample : VW0108SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 12:06:03 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	654670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1026661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	892999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	418222	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	289013	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	7.88	113	270905	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.32	98	1089060	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	12.62	95	362149	43.60	ug/l	0.00
Spiked Amount			Recovery	=	87.20%	

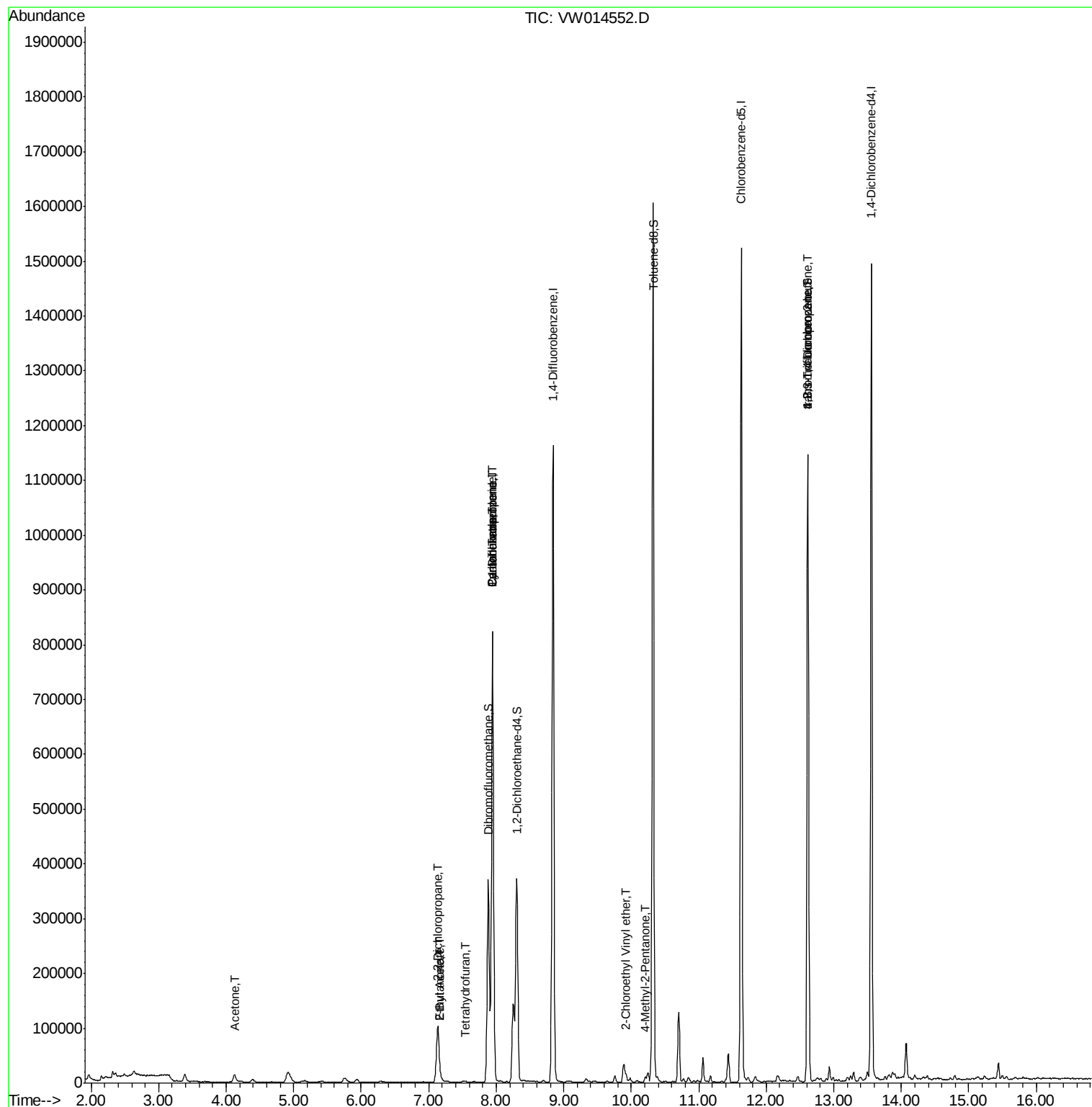
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	5341	Below Cal	#	92
16) Acetone	4.12	43	26687	16.512	ug/l	98
20) Methylene Chloride	4.92	84	15825	Below Cal		96
25) 2-Butanone	7.17	43	11254	5.426	ug/l #	68
26) 2,2-Dichloropropane	7.13	77	7641	1.174	ug/l #	50
29) Tetrahydrofuran	7.54	42	1804	1.404	ug/l #	56
31) Cyclohexane	7.95	56	12480	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	45490	4.596	ug/l #	48
37) Ethyl Acetate	7.17	43	11254	2.507	ug/l #	67
38) Carbon Tetrachloride	7.95	117	57292	6.672	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	8700	2.055	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.93	63	5957	3.042	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	169971	42.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	169971	95.772	ug/l #	14

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010820\
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Quant Time: Jan 08 12:06:03 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: VW014552.D

Acq: 08 Jan 2020 11:01

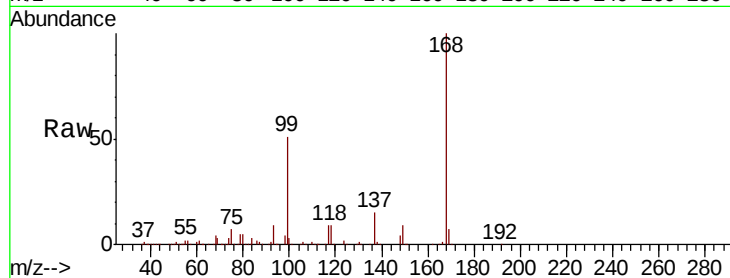
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 654670

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

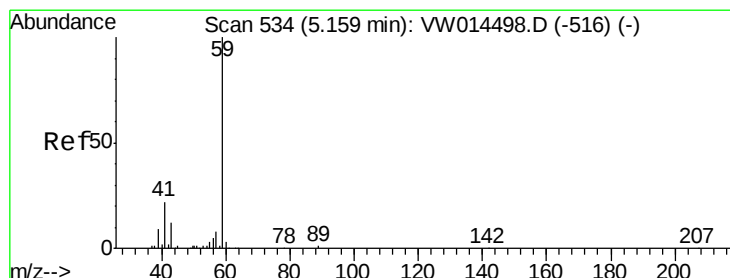
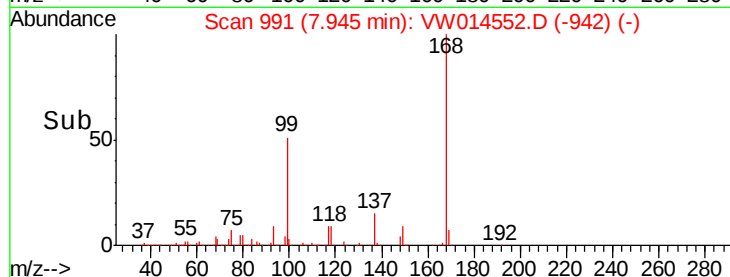
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014552.D

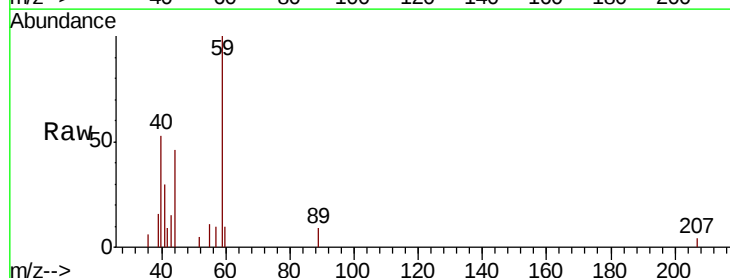
Acq: 08 Jan 2020 11:01

Tgt Ion: 59 Resp: 5341

Ion Ratio Lower Upper

59 100

57 6.7 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

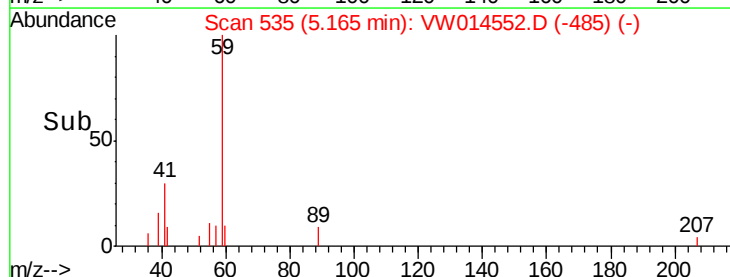
1500

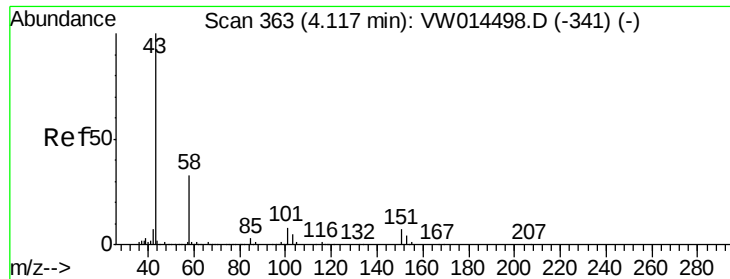
1000

500

0

Time--> 5.00 5.10 5.20

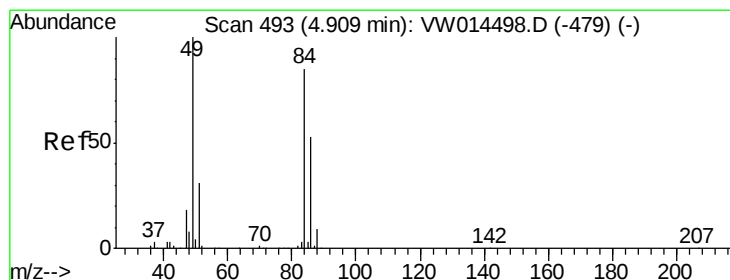
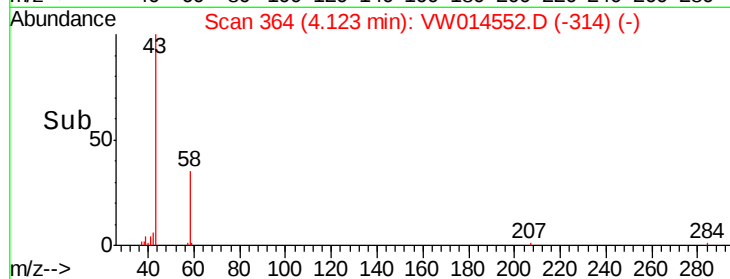
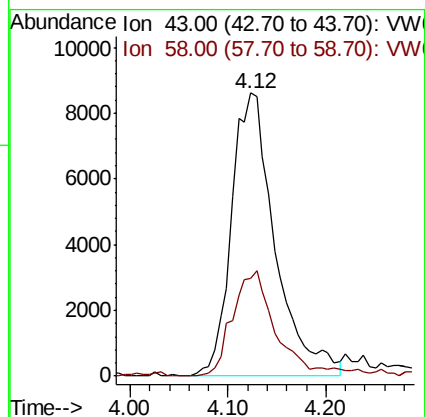
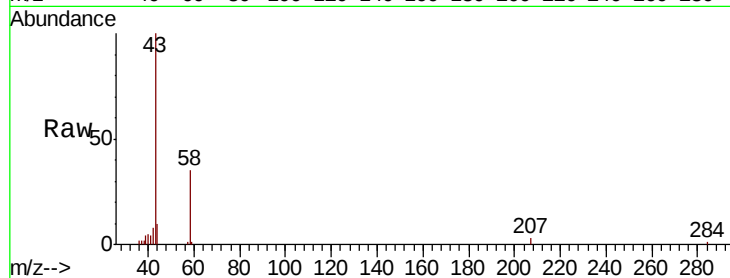




#16
Acetone
Concen: 16.512 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

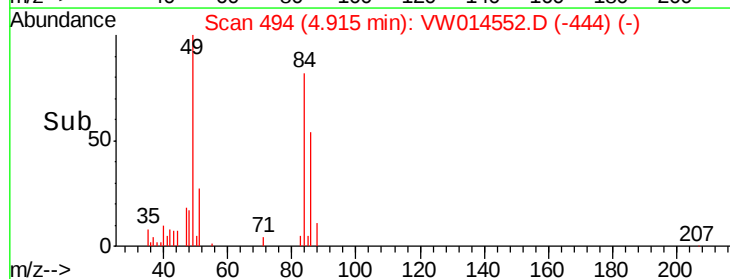
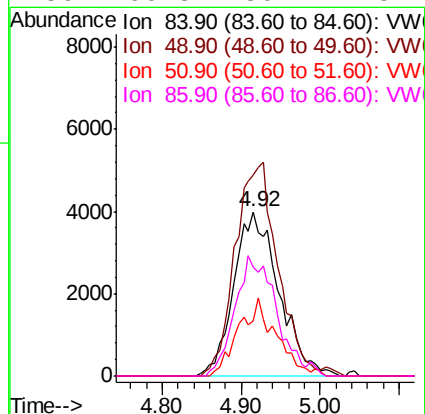
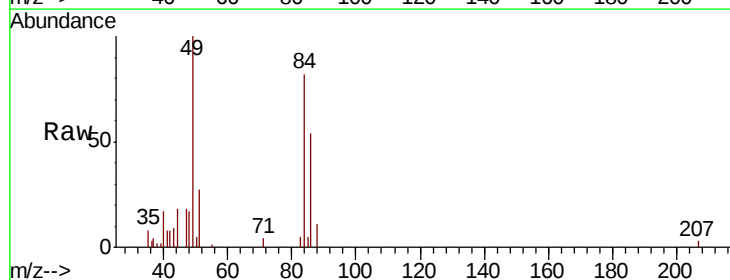
Instrument :
MSVOA_W
ClientSampleId :

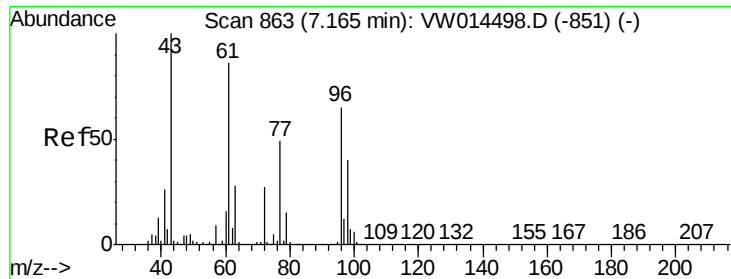
Tot Ion: 43 Resp: 26687
Ion Ratio Lower Upper
43 100
58 34.6 26.6 39.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

Tgt Ion: 84 Resp: 15825
Ion Ratio Lower Upper
84 100
49 122.2 94.4 141.6
51 33.6 29.5 44.3
86 66.3 50.2 75.2

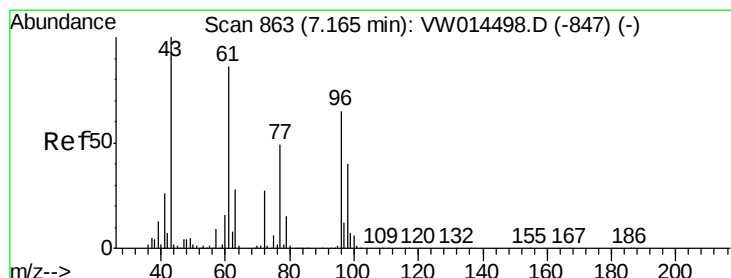
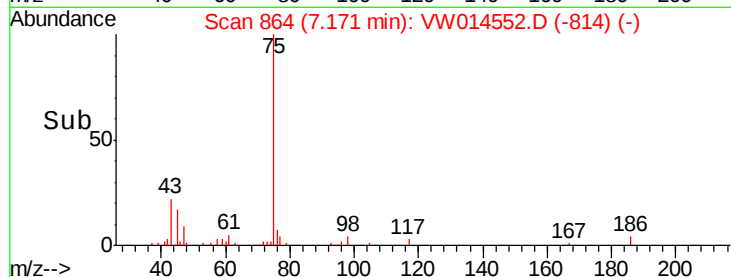
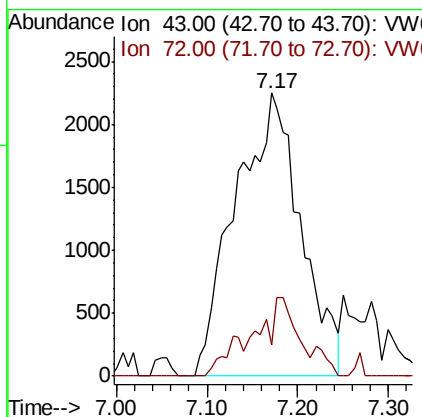
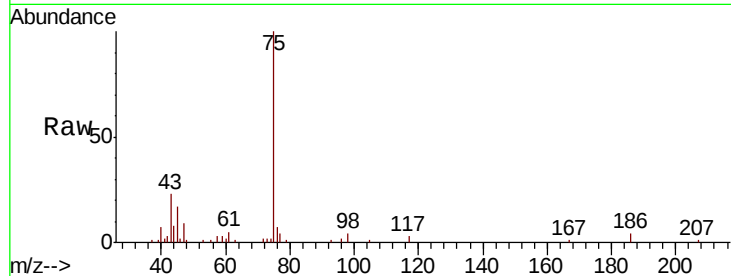




#25
 2-Butanone
 Concen: 5.426 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014552.D
 Acq: 08 Jan 2020 11:01

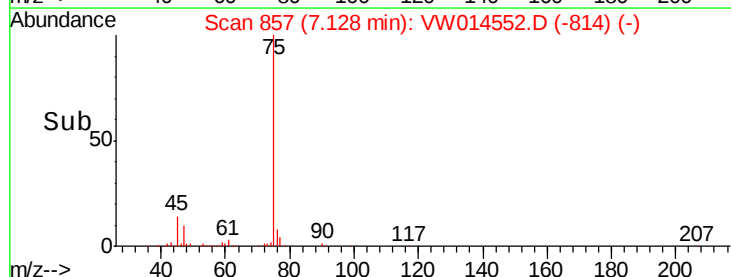
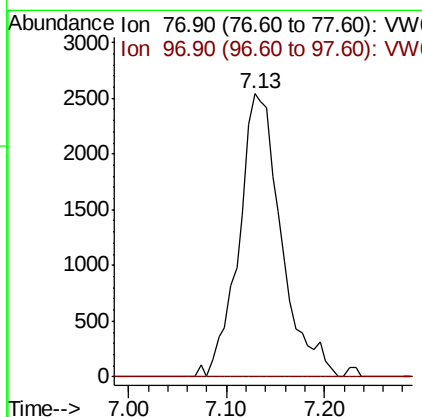
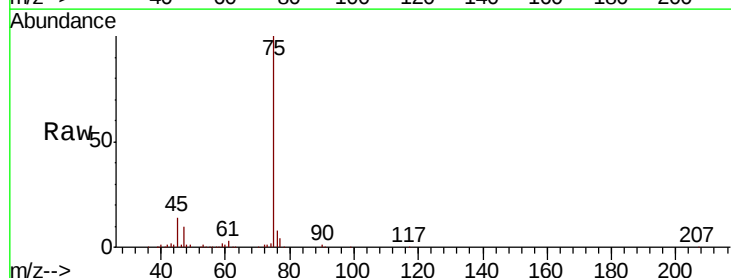
Instrument :
 MSVOA_W
 ClientSampled :

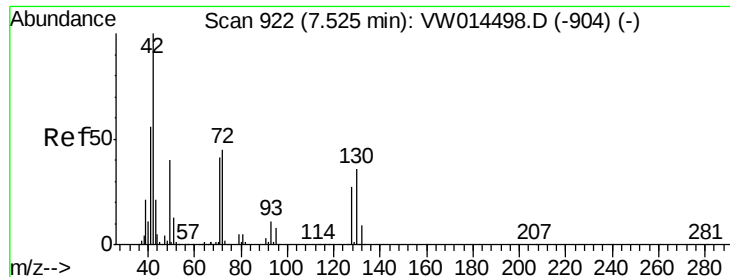
Tot Ion: 43 Resp: 11254
 Ion Ratio Lower Upper
 43 100
 72 10.9 21.9 32.9#



#26
 2,2-Dichloropropane
 Concen: 1.174 ug/l
 RT: 7.13 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VW014552.D
 Acq: 08 Jan 2020 11:01

Tgt Ion: 77 Resp: 7641
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.5 37.5#

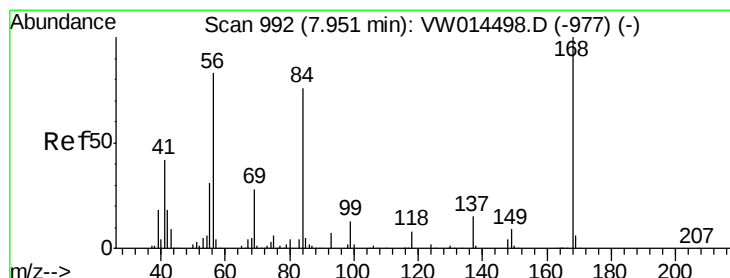
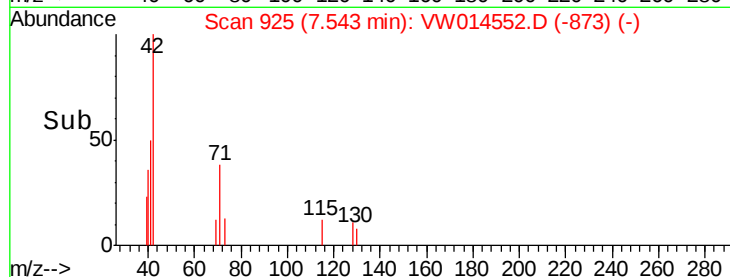
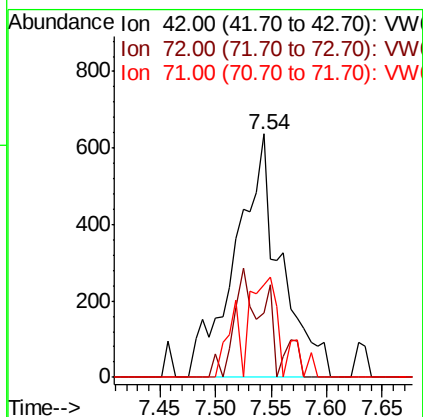
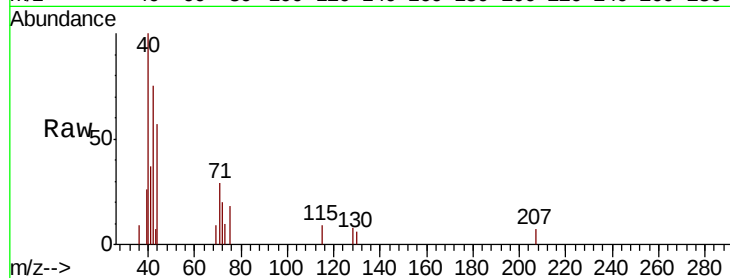




#29
Tetrahydrofuran
Concen: 1.404 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

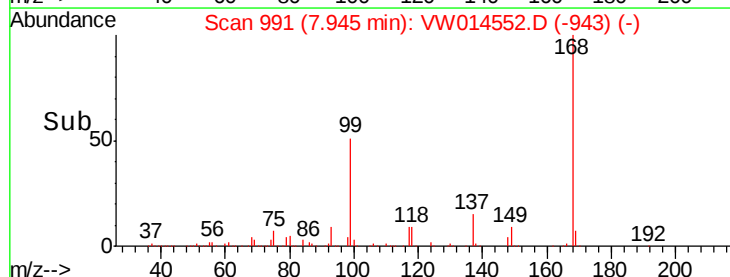
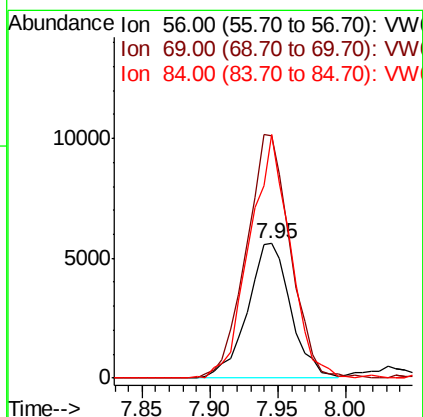
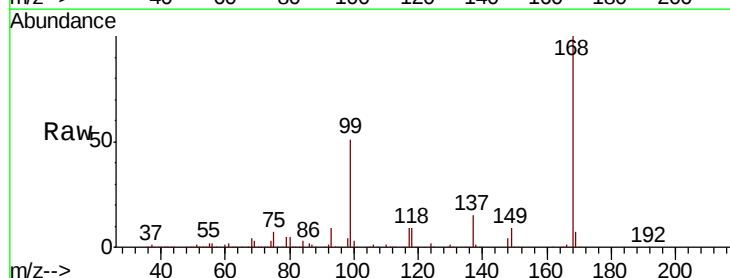
Instrument :
MSVOA_W
ClientSampleId :

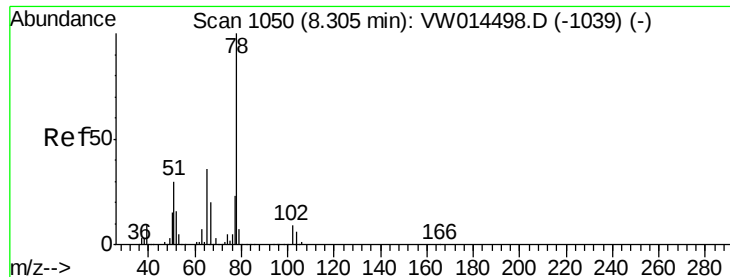
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	28.2	32.0	48.0#



#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	180.0	26.8	40.2#
84	181.3	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 50.493 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

Instrument :

MSVOA_W

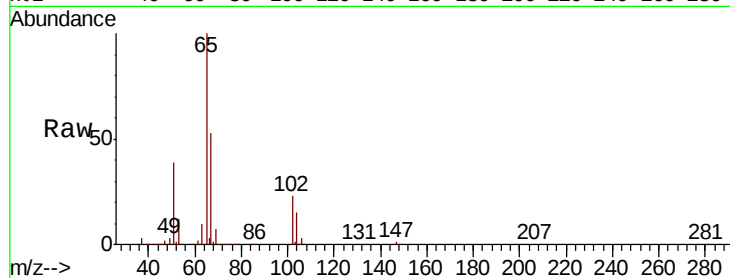
ClientSampled :

Tot Ion: 65 Resp: 289013

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

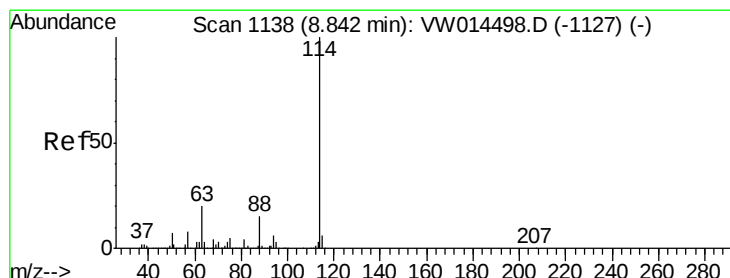
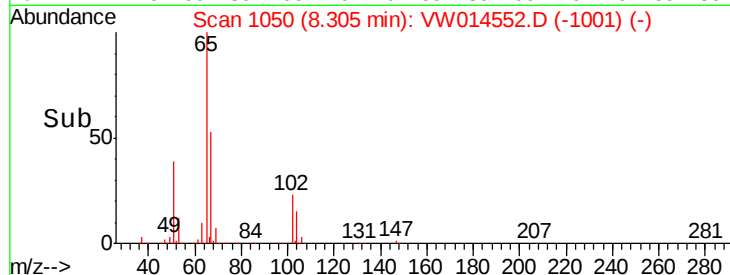
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

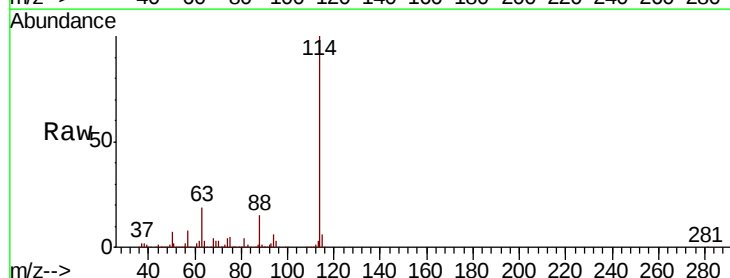
Tgt Ion: 114 Resp: 1026661

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

88 15.4 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

8.84

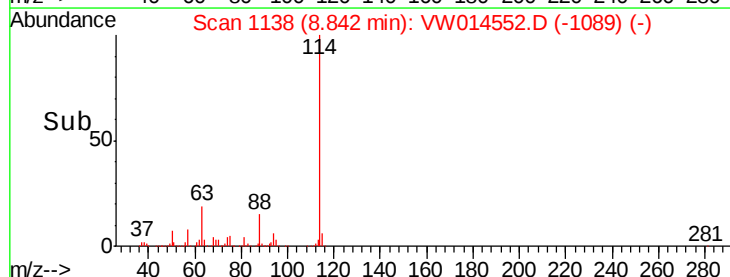
600000

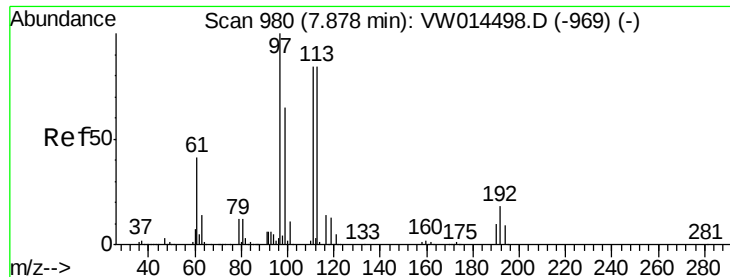
400000

200000

0

Time-->

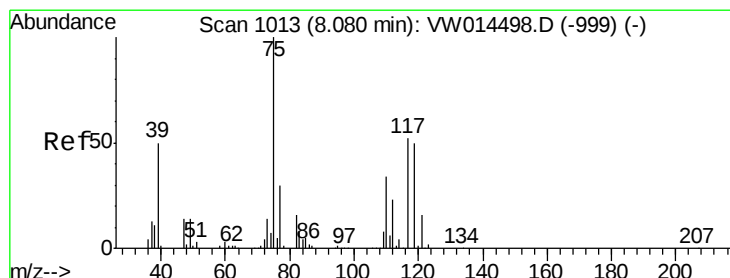
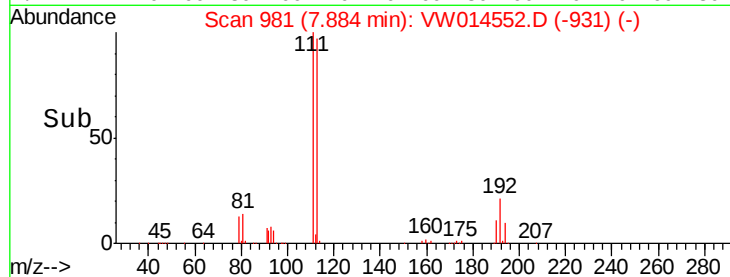
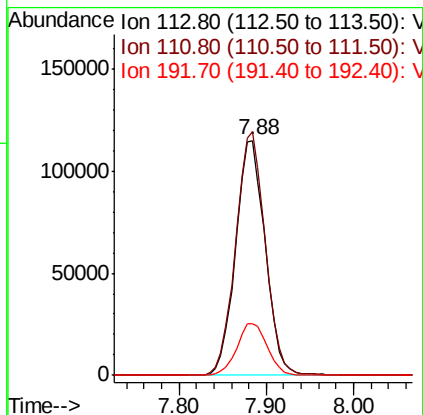
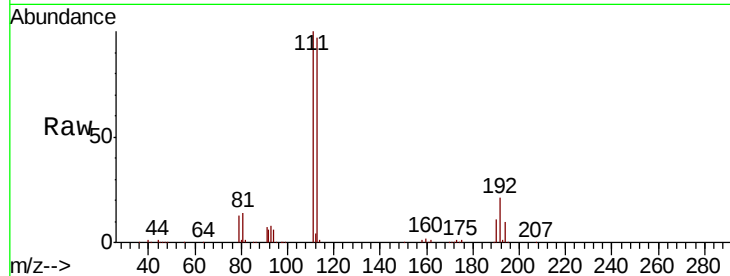




#35
 Dibromofluoromethane
 Concen: 46.170 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014552.D
 Acq: 08 Jan 2020 11:01

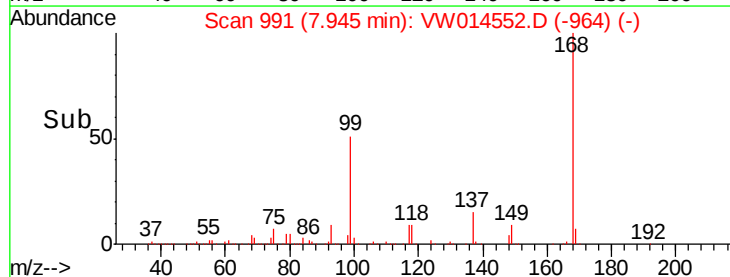
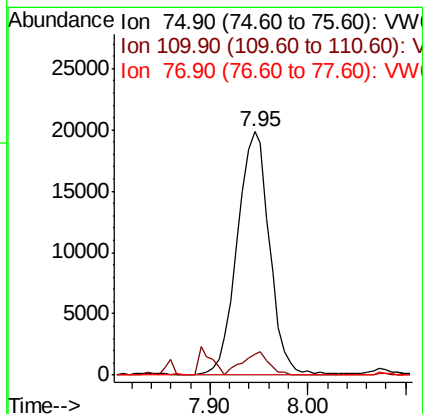
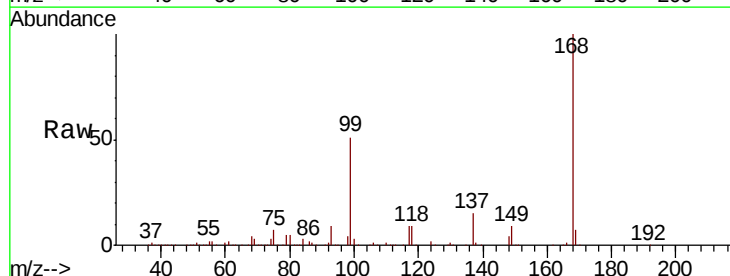
Instrument :
 MSVOA_W
 ClientSampleId :

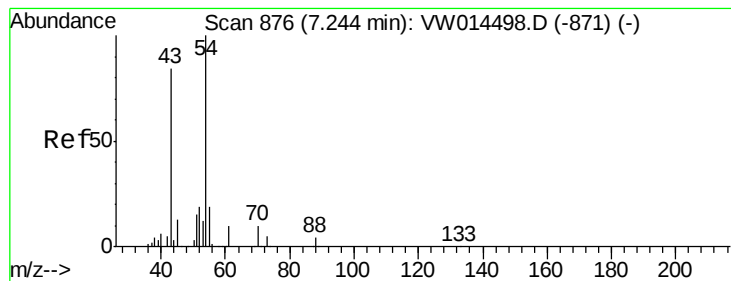
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014552.D
 Acq: 08 Jan 2020 11:01

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





#37

Ethyl Acetate

Concen: 2.507 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

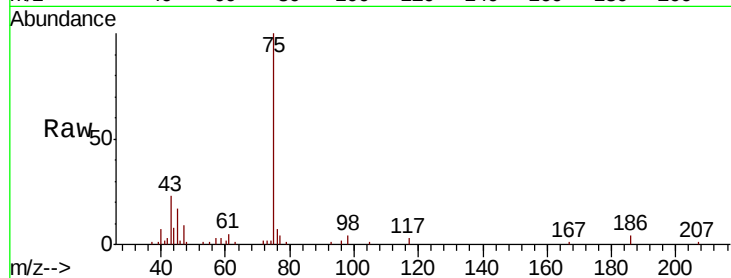
Tot Ion: 43 Resp: 11254

Ion Ratio Lower Upper

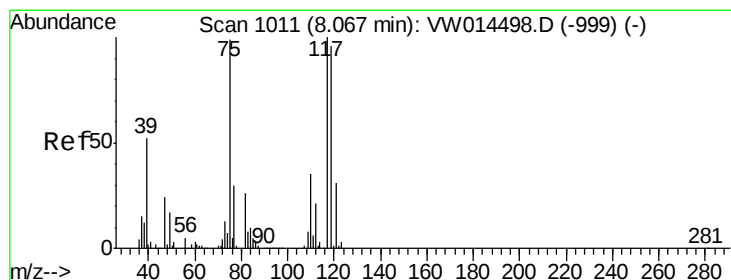
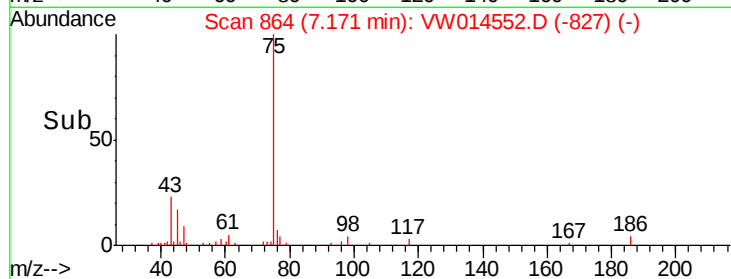
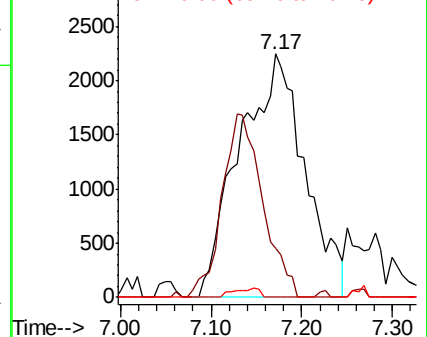
43 100

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: 6.672 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

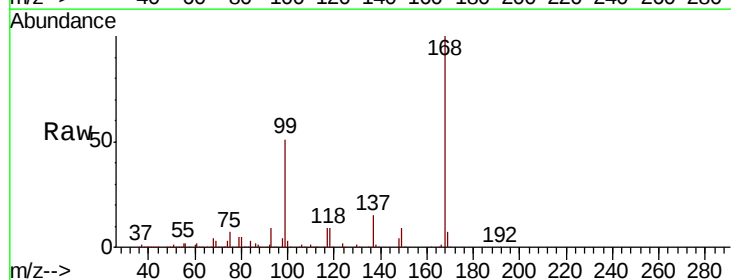
Tgt Ion: 117 Resp: 57292

Ion Ratio Lower Upper

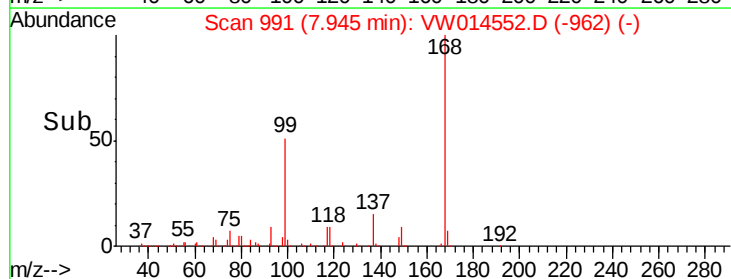
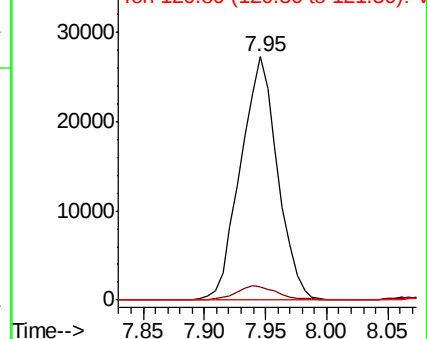
117 100

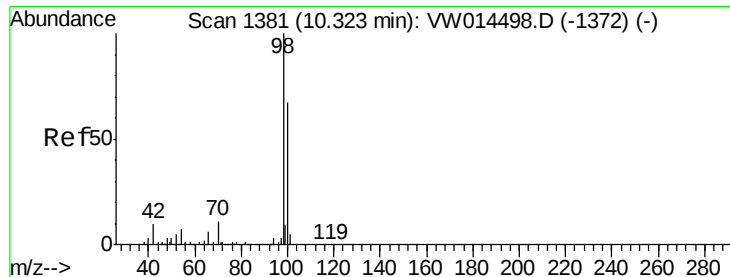
119 5.4 77.0 115.6#

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: 44.475 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

Instrument :

MSVOA_W

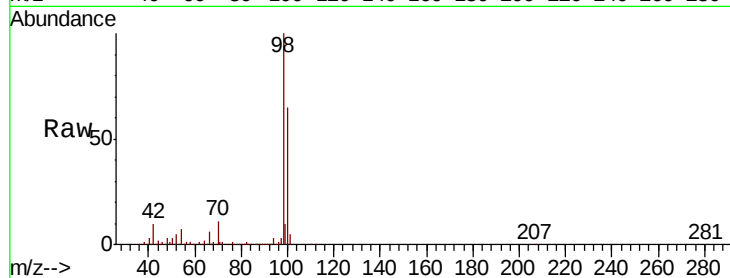
ClientSampleId :

Tot Ion: 98 Resp: 1089060

Ion Ratio Lower Upper

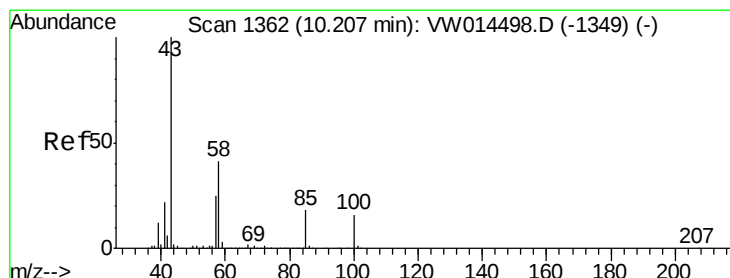
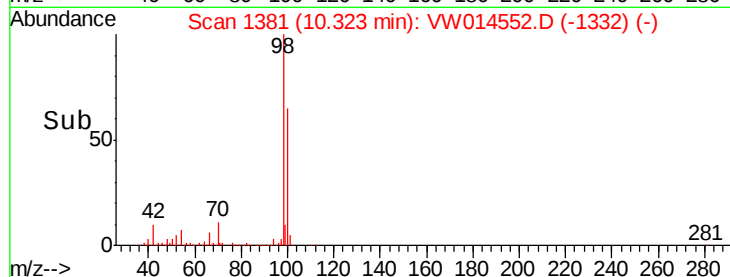
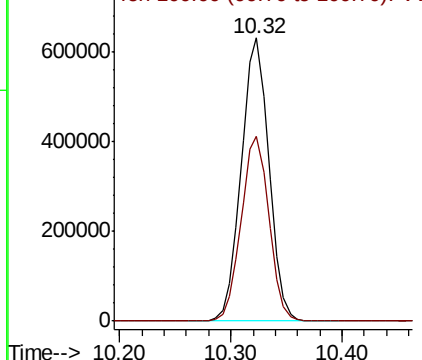
98 100

100 65.8 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: 2.055 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW014552.D

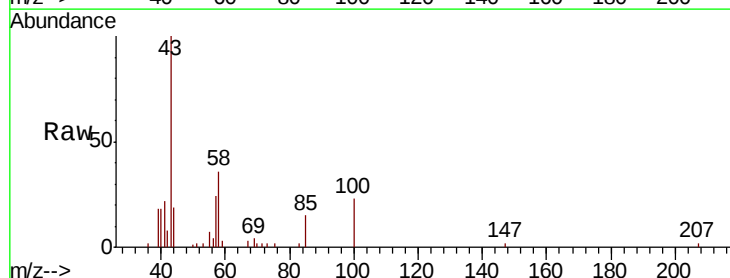
Acq: 08 Jan 2020 11:01

Tgt Ion: 43 Resp: 8700

Ion Ratio Lower Upper

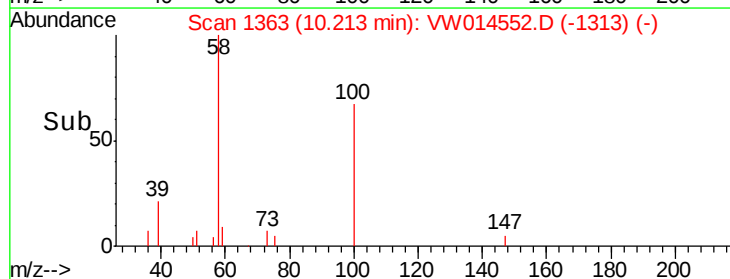
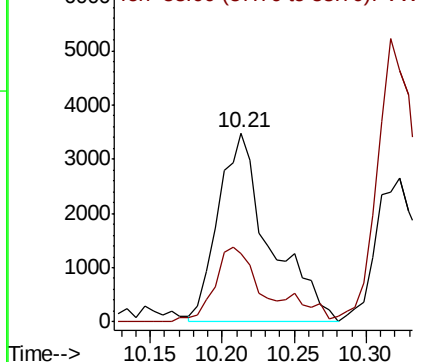
43 100

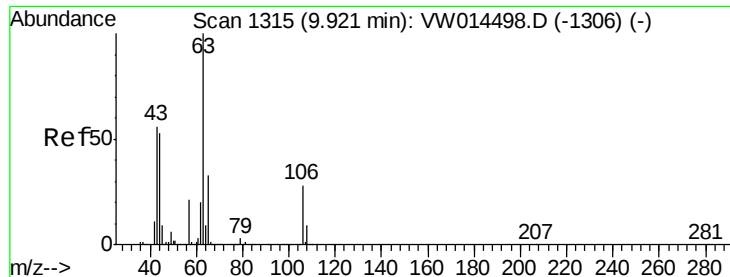
58 32.2 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

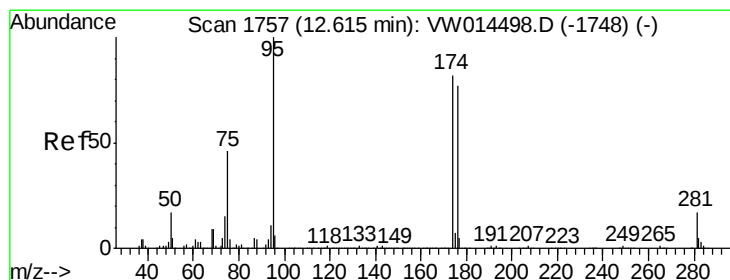
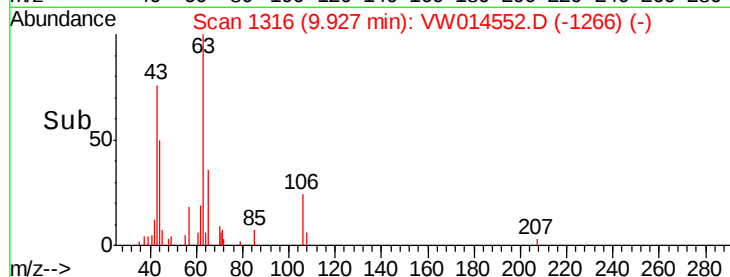
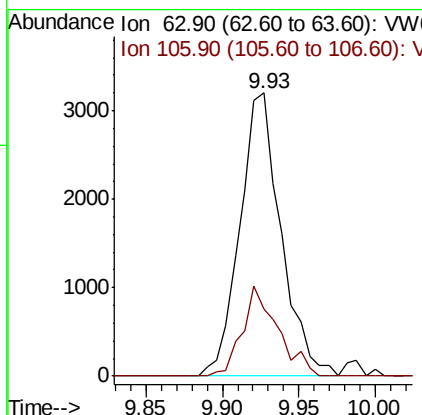
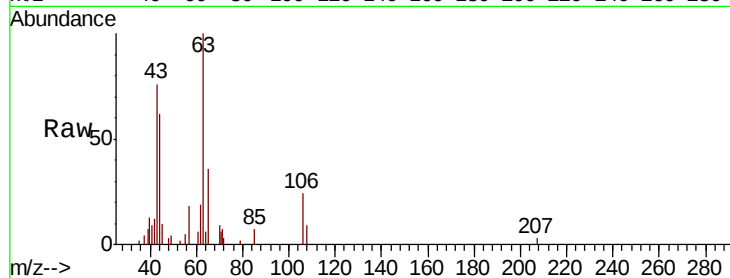




#58
2-Chloroethyl Vinyl ether
Concen: 3.042 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

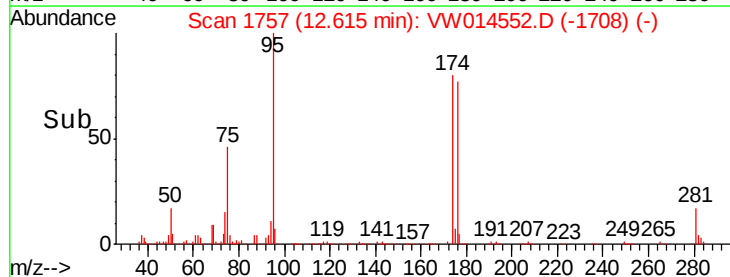
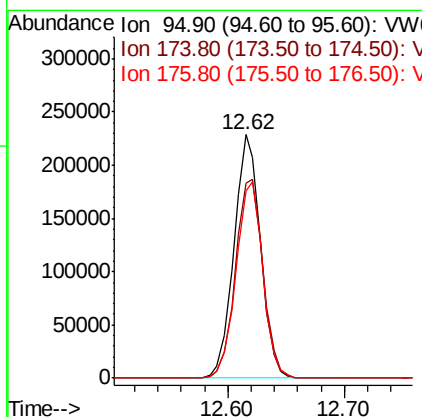
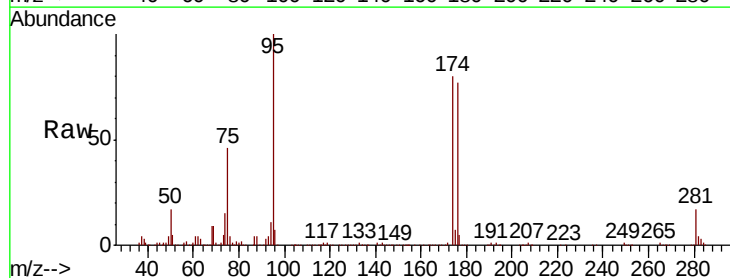
Instrument :
MSVOA_W
ClientSampleId :

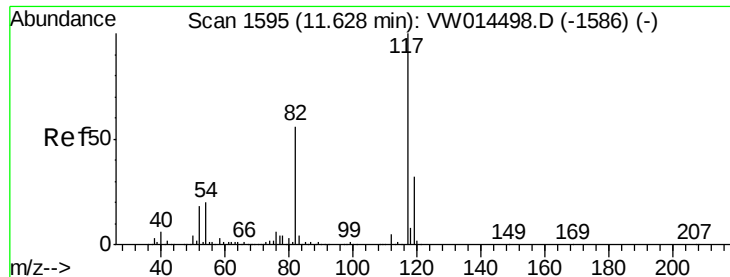
Tot Ion: 63 Resp: 5957
Ion Ratio Lower Upper
63 100
106 27.6 23.0 34.6



#62
4-Bromofluorobenzene
Concen: 43.603 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

Tgt Ion: 95 Resp: 362149
Ion Ratio Lower Upper
95 100
174 84.7 0.0 168.6
176 81.4 0.0 162.0

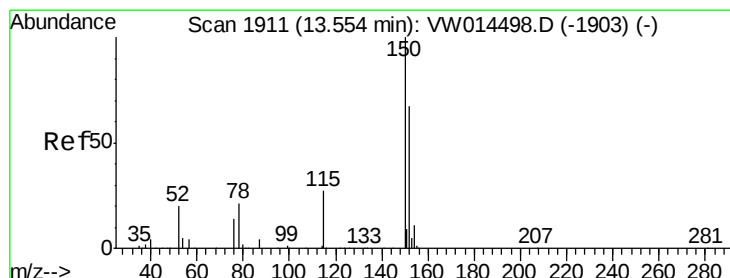
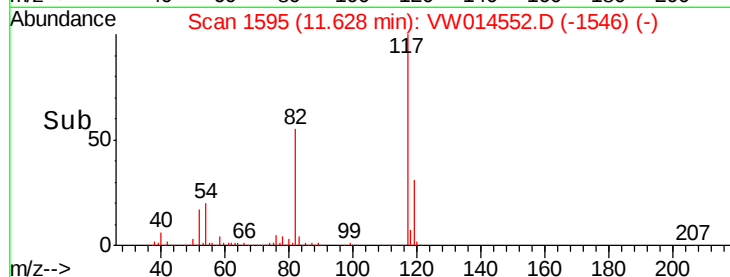
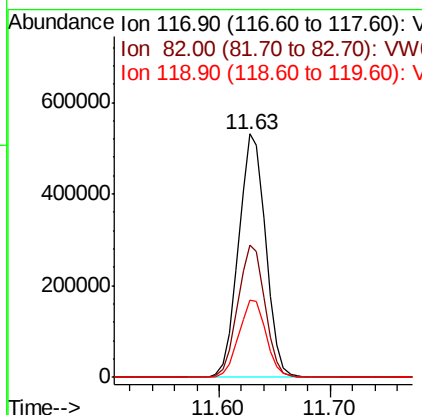
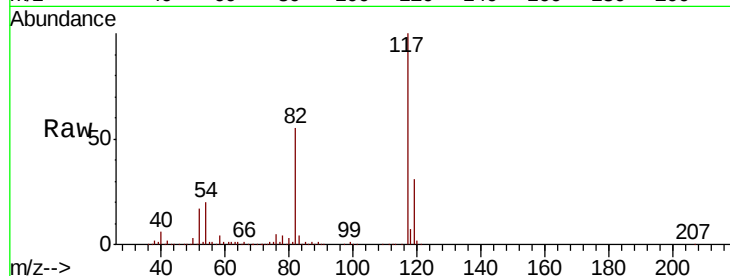




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

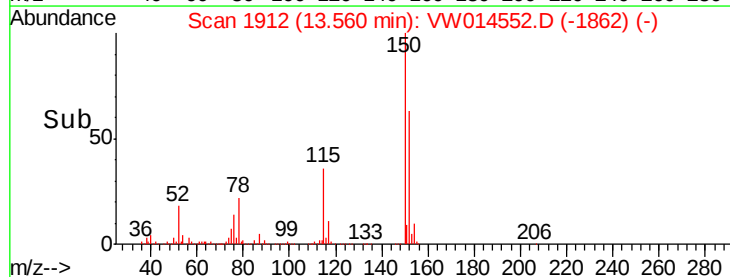
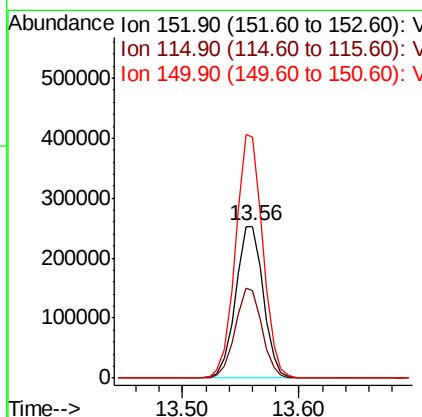
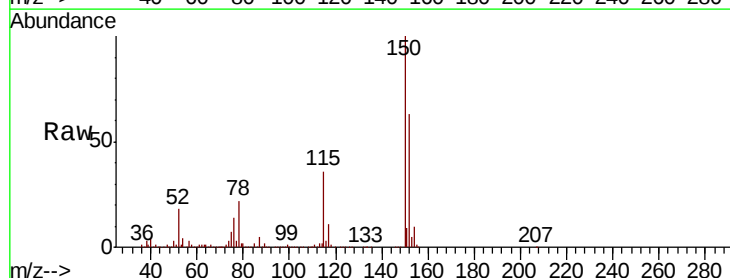
Instrument :
MSVOA_W
ClientSampleId :

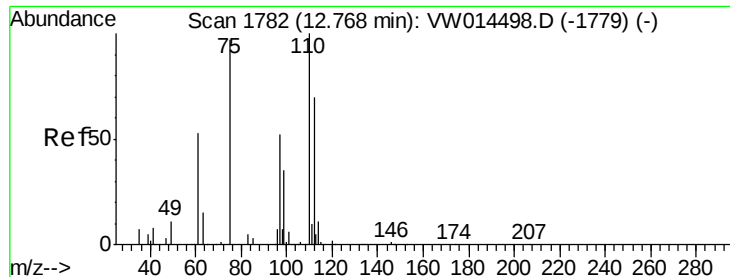
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	67.0
119	31.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014552.D
Acq: 08 Jan 2020 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.7	83.1
150	157.7	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 42.985 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

Instrument :

MSVOA_W

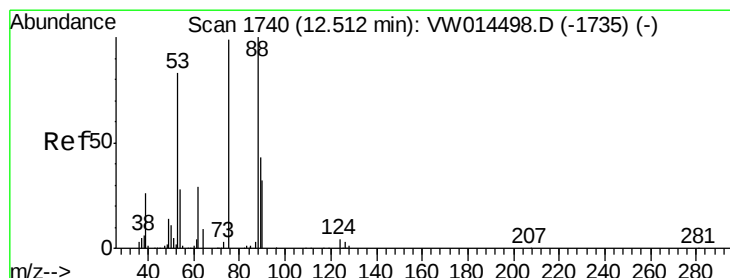
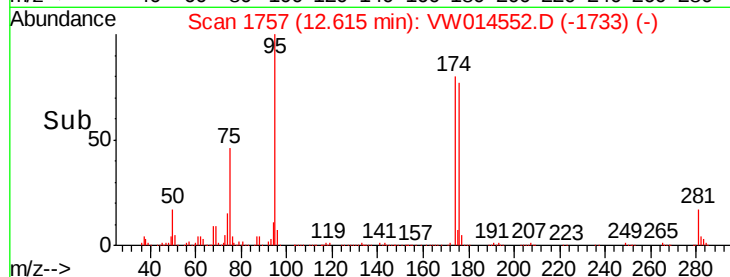
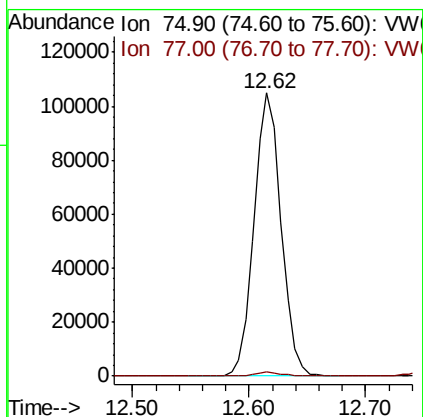
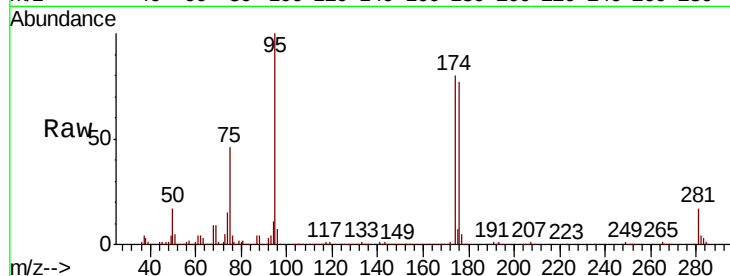
ClientSampleId :

Tot Ion: 75 Resp: 169971

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.772 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014552.D

Acq: 08 Jan 2020 11:01

Tgt Ion: 75 Resp: 169971

Ion Ratio Lower Upper

75 100

53 0.2 70.9 106.3#

89 0.1 35.8 53.8#

