

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014581.D
 Acq On : 09 Jan 2020 14:43
 Operator : SY/VA
 Sample : L1056-06RE
 Misc : 6.74G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 15:34:45 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	690274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1052622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	728533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	227350	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	294427	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	7.88	113	308036	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.32	98	1167149	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.62	95	290550	34.12	ug/l	0.00
Spiked Amount			Recovery	=	68.24%	

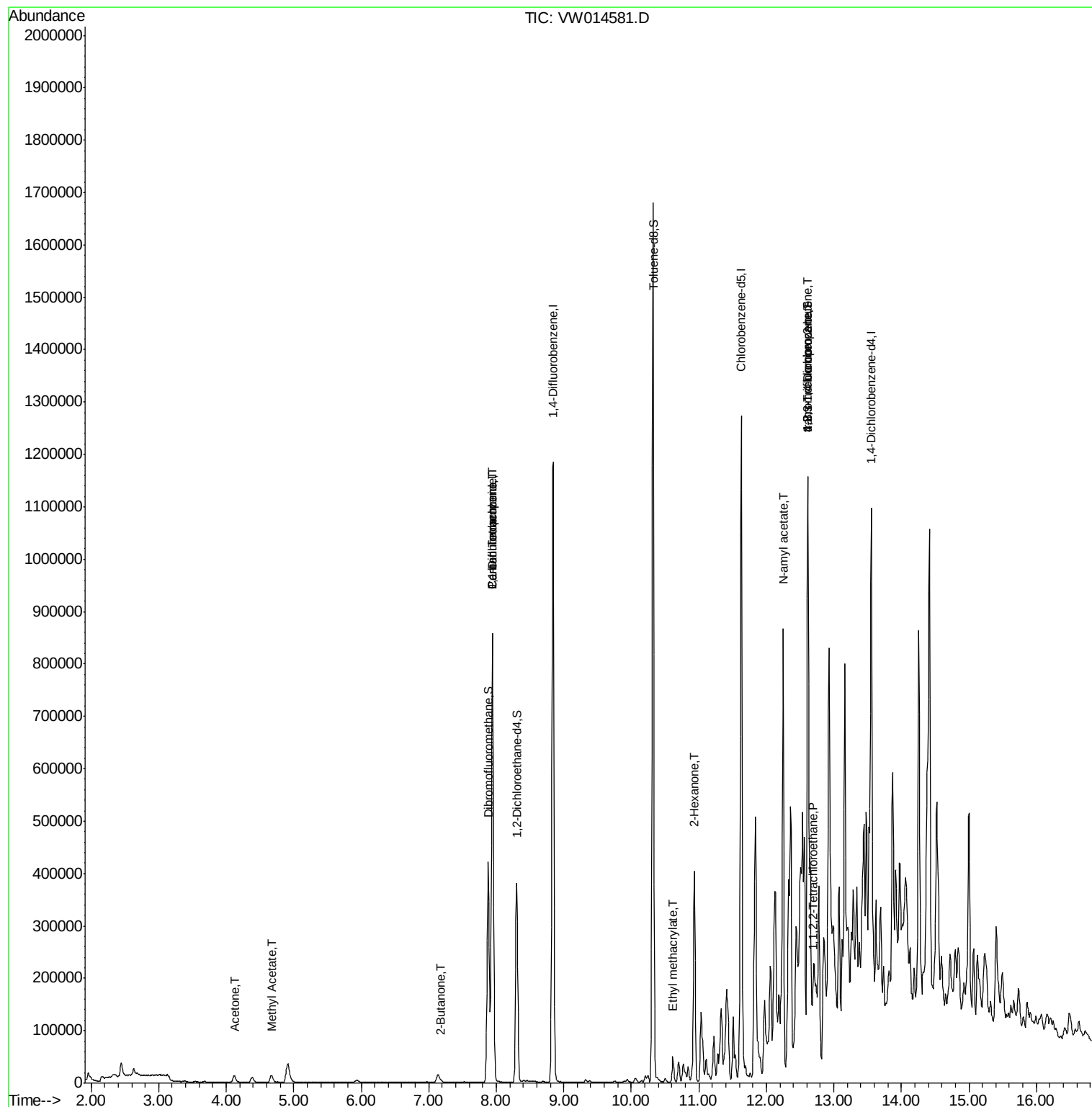
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	161	Below Cal	#	42
16) Acetone	4.12	43	23621	13.861	ug/l	96
18) Methyl Acetate	4.67	43	26791	6.509	ug/l	100
25) 2-Butanone	7.18	43	5045	2.307	ug/l #	87
36) 1,1-Dichloropropene	7.94	75	47244	4.656	ug/l #	49
38) Carbon Tetrachloride	7.95	117	61028	6.932	ug/l #	17
56) Ethyl methacrylate	10.62	69	13338	2.020	ug/l #	84
59) 2-Hexanone	10.93	43	140908	47.117	ug/l #	28
74) N-amyl acetate	12.25	43	181808	48.607	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.68	83	10711	3.557	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	131399	61.128	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	131399	136.196	ug/l #	19

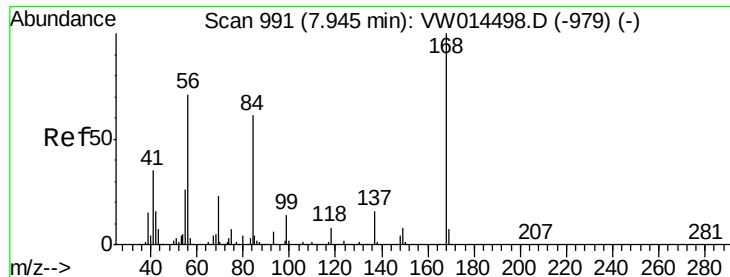
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 09 15:34:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
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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: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

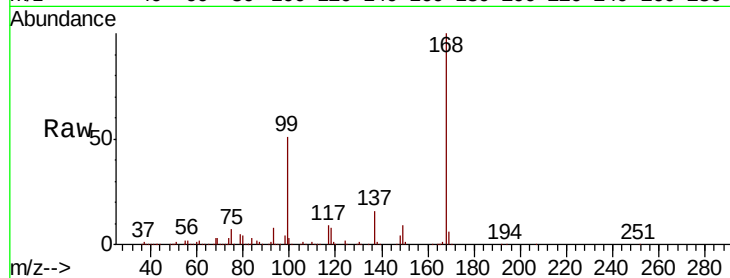
ClientSampleId :

Tot Ion:168 Resp: 690274

Ion Ratio Lower Upper

168 100

99 50.9 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

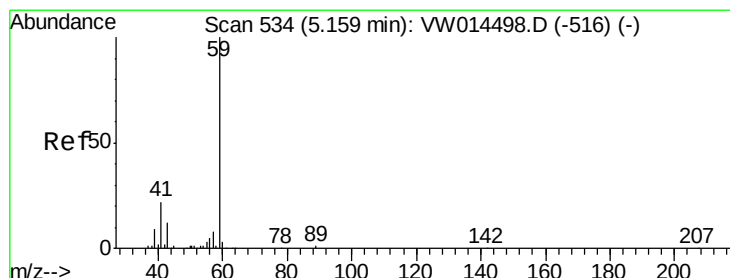
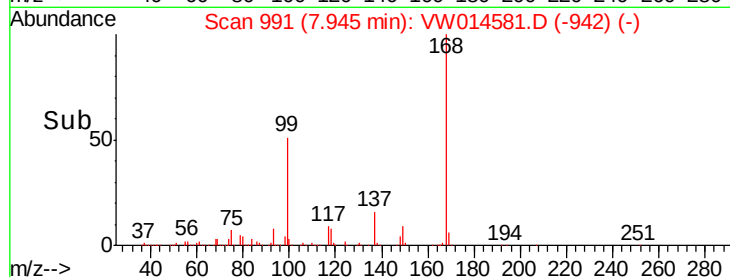
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014581.D

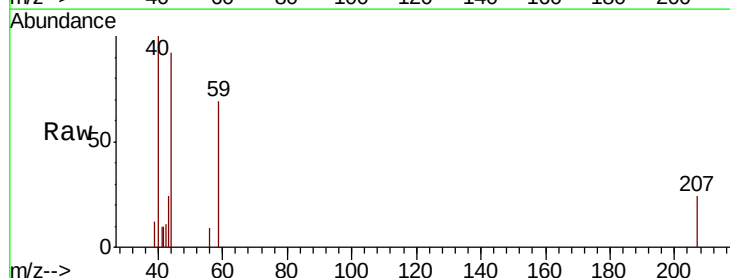
Acq: 09 Jan 2020 14:43

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 31.1 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

500

400

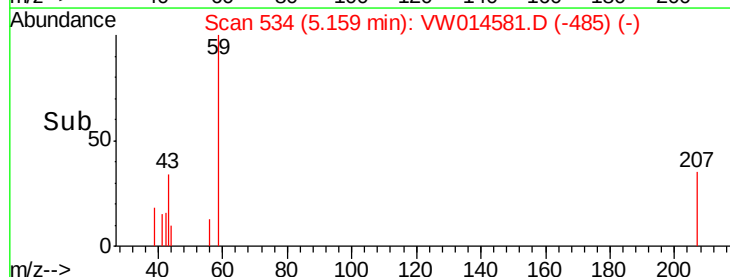
300

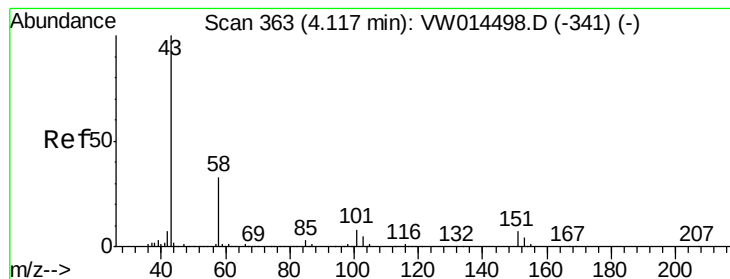
200

100

0

Time-->





#16

Acetone

Concen: 13.861 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

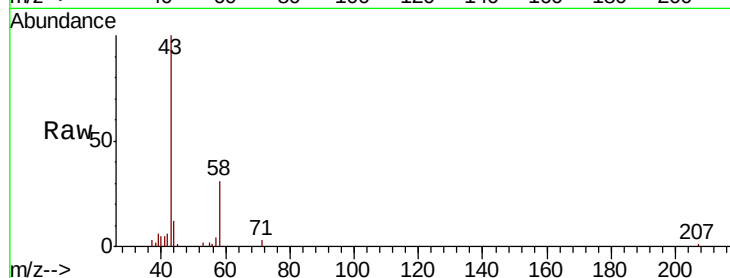
ClientSampleId :

Tot Ion: 43 Resp: 23621

Ion Ratio Lower Upper

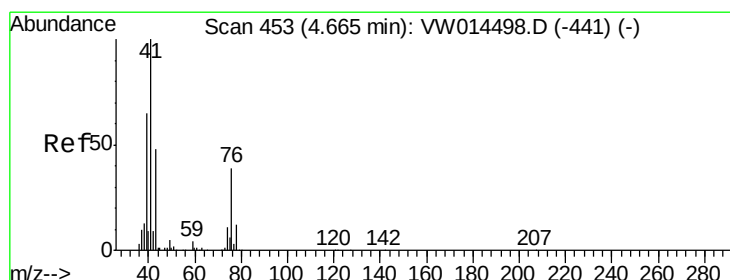
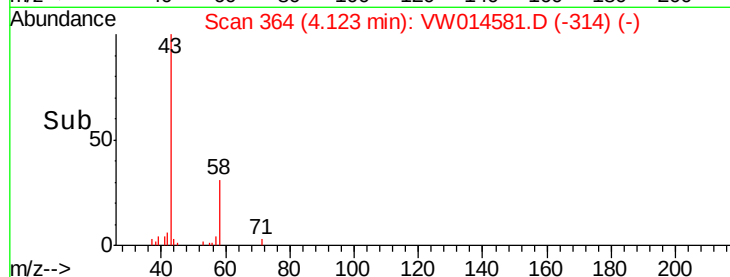
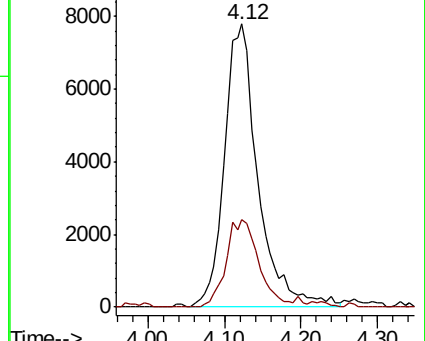
43 100

58 30.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 6.509 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW014581.D

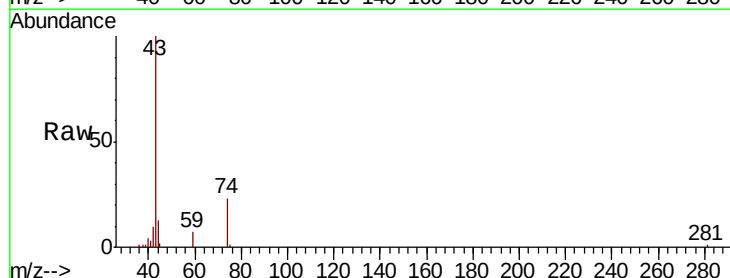
Acq: 09 Jan 2020 14:43

Tgt Ion: 43 Resp: 26791

Ion Ratio Lower Upper

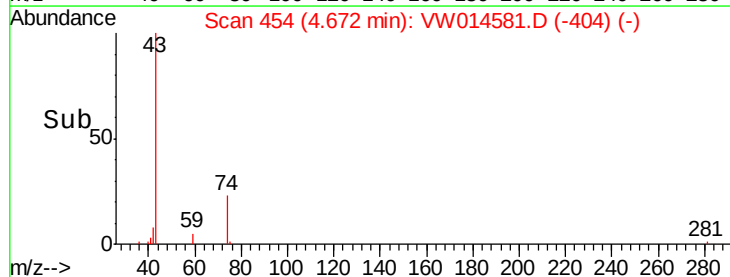
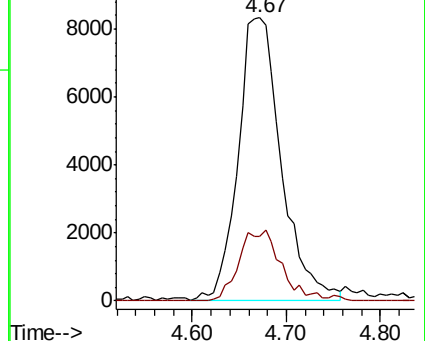
43 100

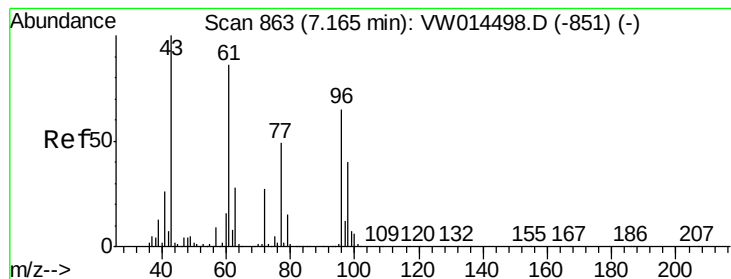
74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 2.307 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

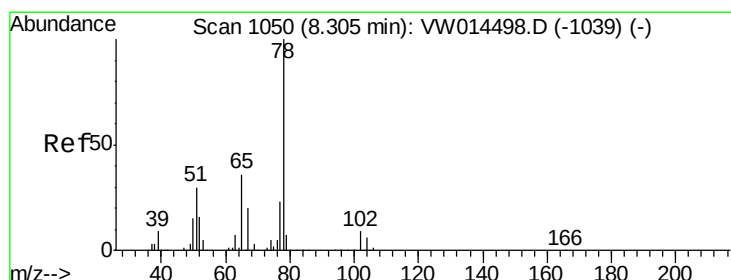
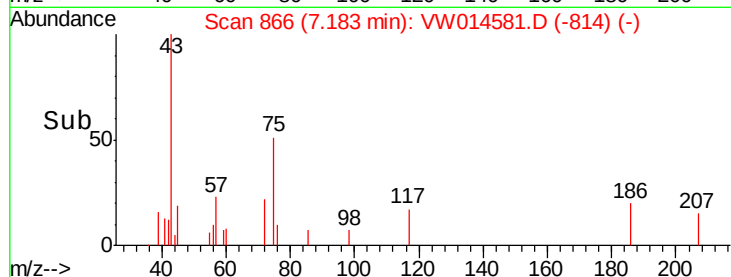
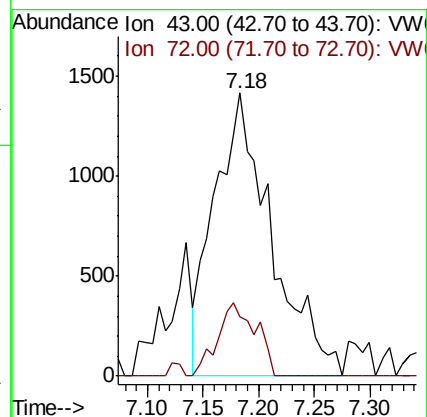
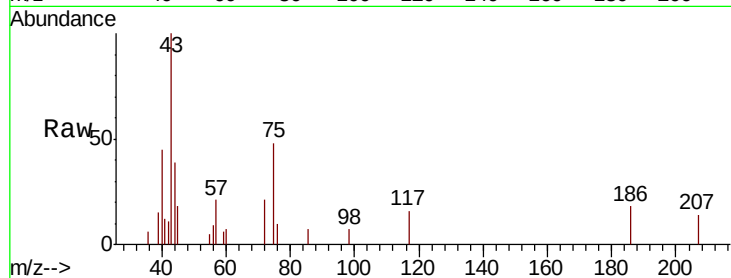
ClientSampleId :

Tot Ion: 43 Resp: 5045

Ion Ratio Lower Upper

43 100

72 20.8 21.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 48.785 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014581.D

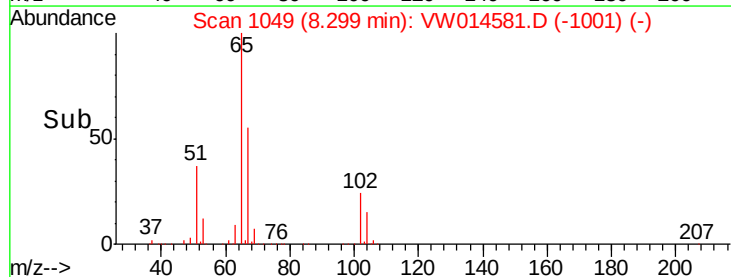
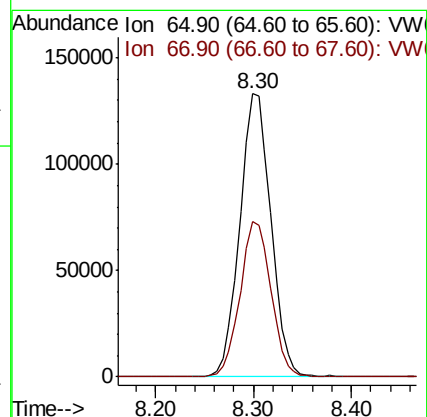
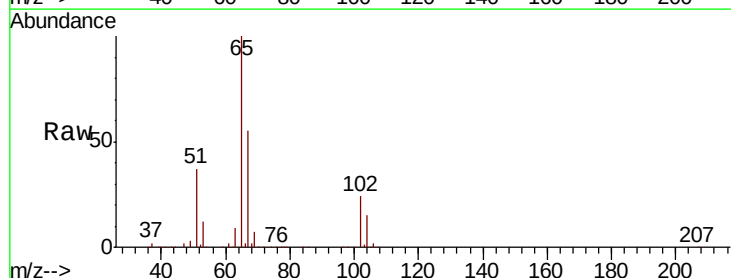
Acq: 09 Jan 2020 14:43

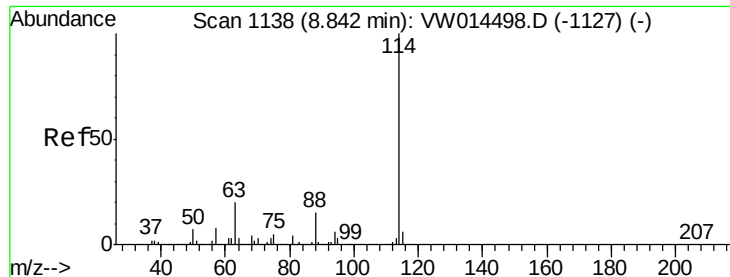
Tgt Ion: 65 Resp: 294427

Ion Ratio Lower Upper

65 100

67 54.6 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: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

ClientSampleId :

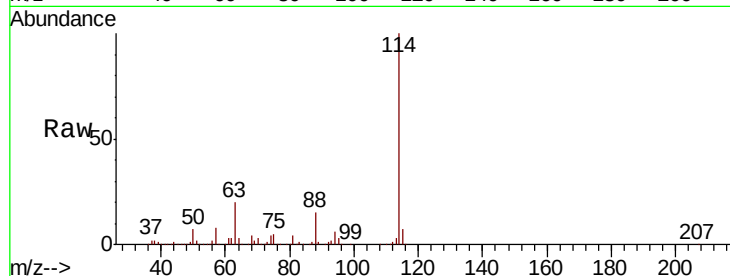
Tot Ion:114 Resp: 1052622

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

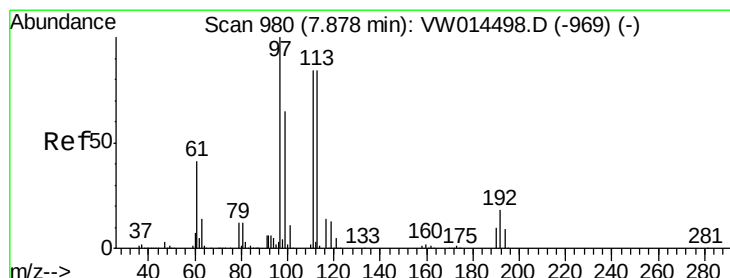
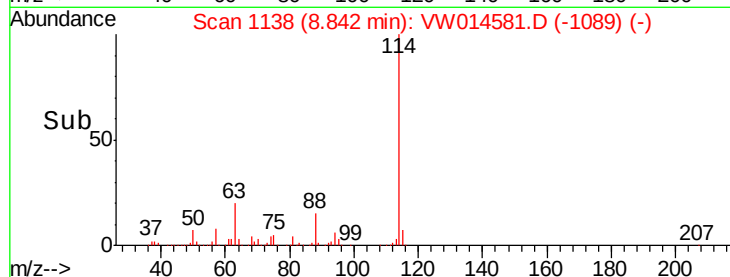
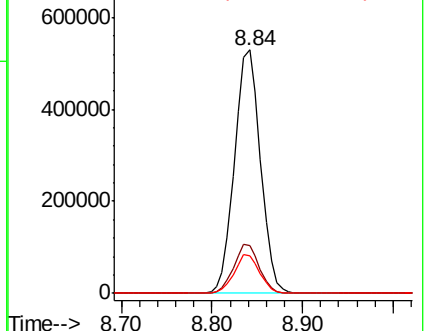
88 15.5 0.0 30.6



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: 51.203 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

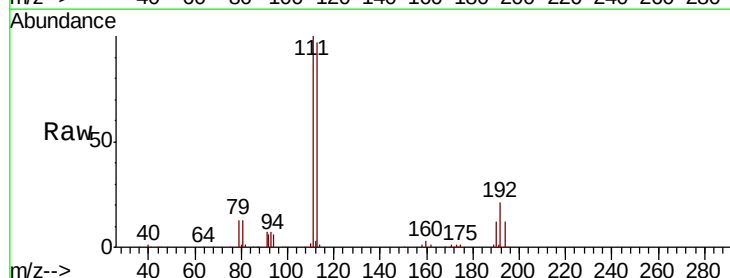
Tgt Ion:113 Resp: 308036

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

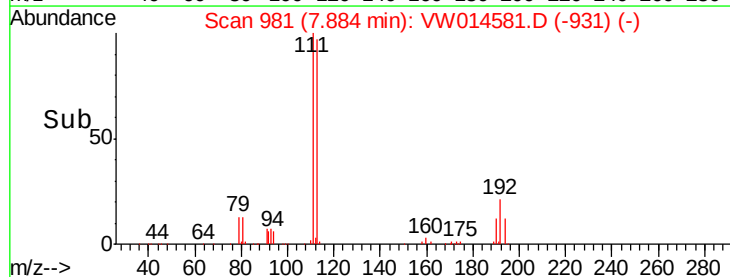
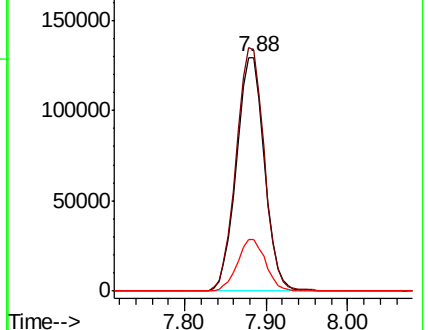
192 22.2 17.8 26.8

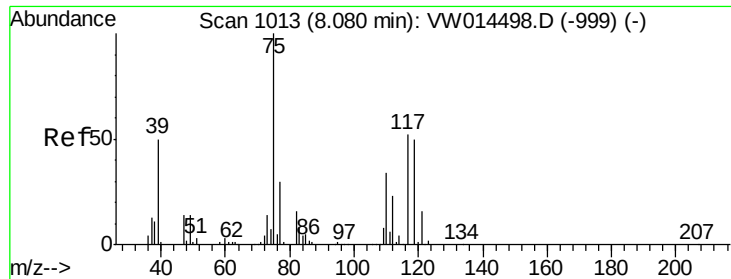


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

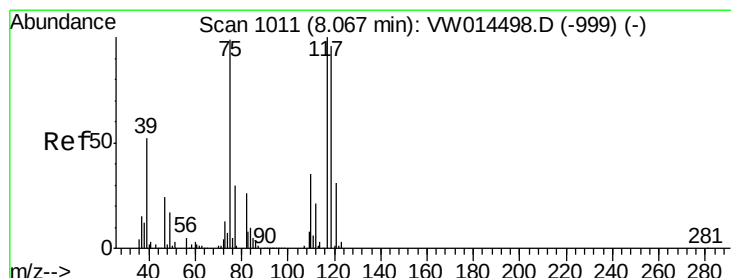
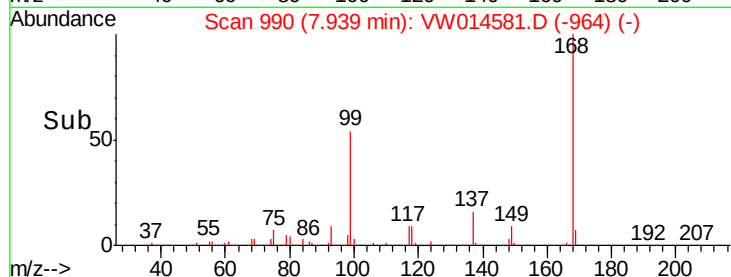
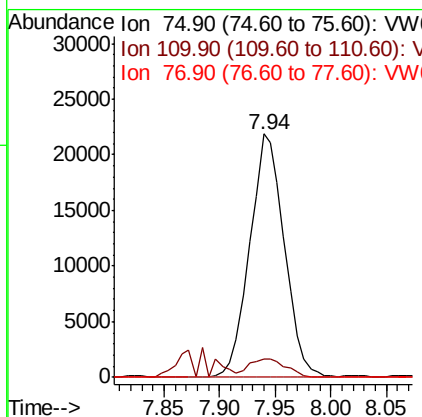
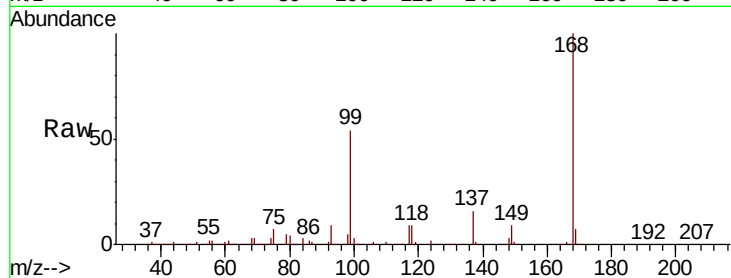




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014581.D
 Acq: 09 Jan 2020 14:43

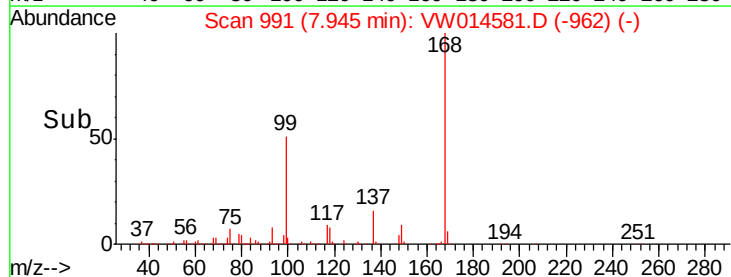
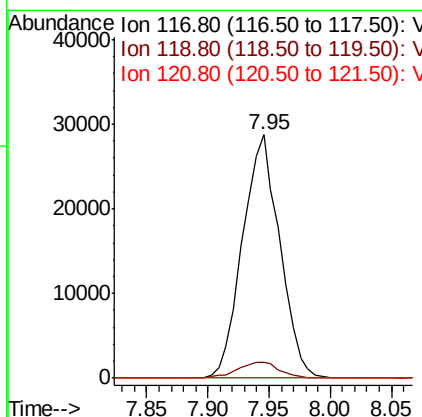
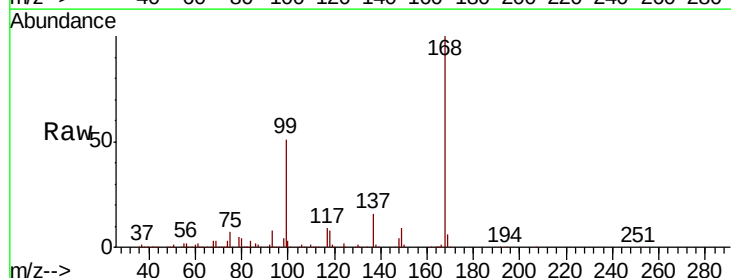
Instrument :
 MSVOA_W
 ClientSampled :

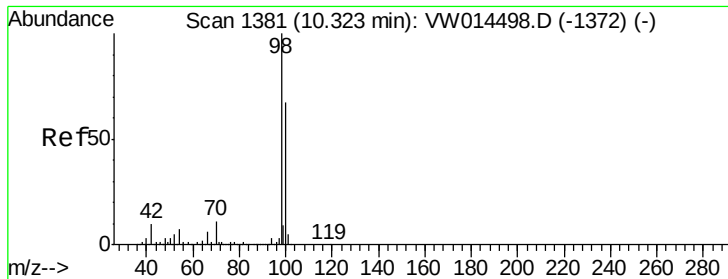
Tot Ion	75	Resp	47244
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.8	53.5#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.932 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014581.D
 Acq: 09 Jan 2020 14:43

Tgt Ion	117	Resp	61028
Ion Ratio	Lower	Upper	
117	100		
119	6.5	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 46.489 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

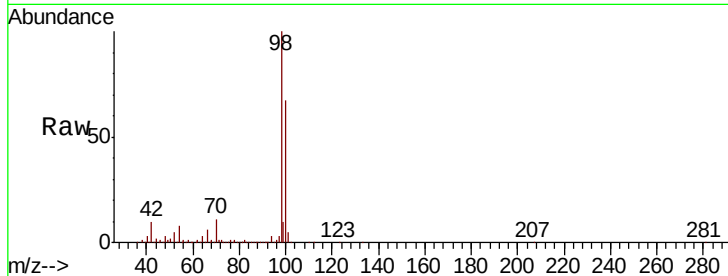
ClientSampleId :

Tot Ion: 98 Resp: 1167149

Ion Ratio Lower Upper

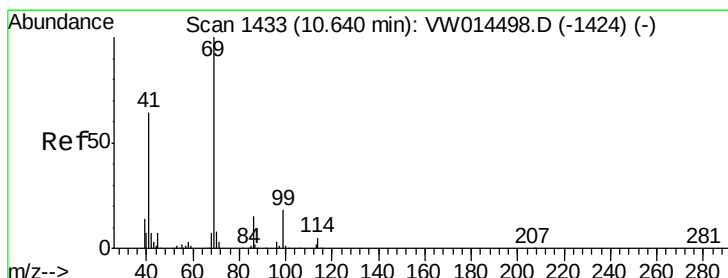
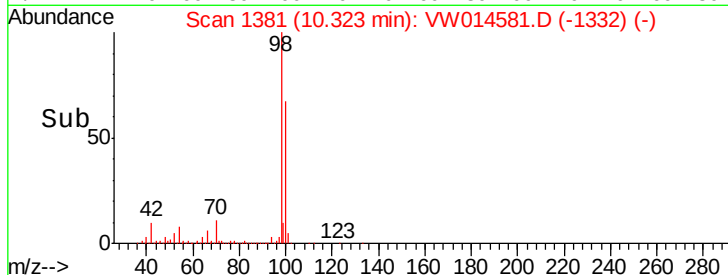
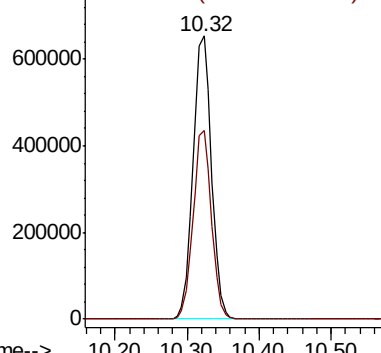
98 100

100 66.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 2.020 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. -0.02 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

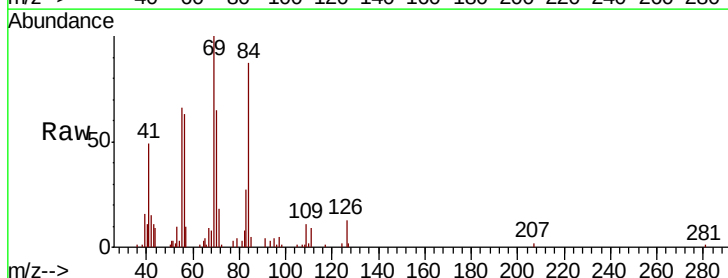
Tgt Ion: 69 Resp: 13338

Ion Ratio Lower Upper

69 100

41 50.0 51.3 76.9#

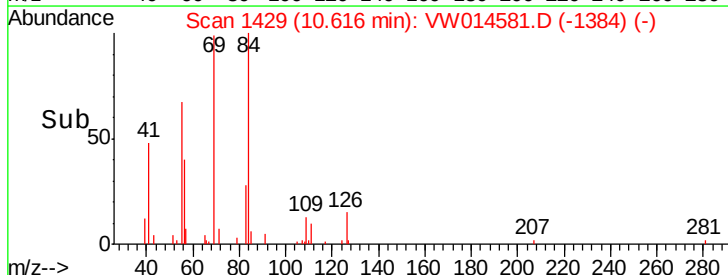
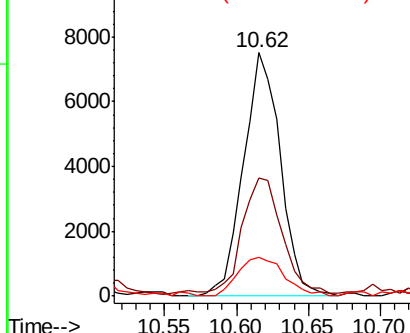
39 19.7 21.0 31.6#

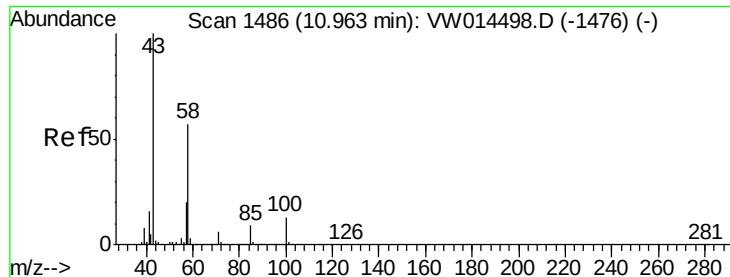


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

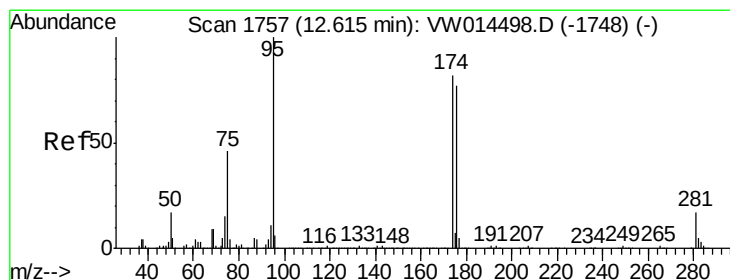
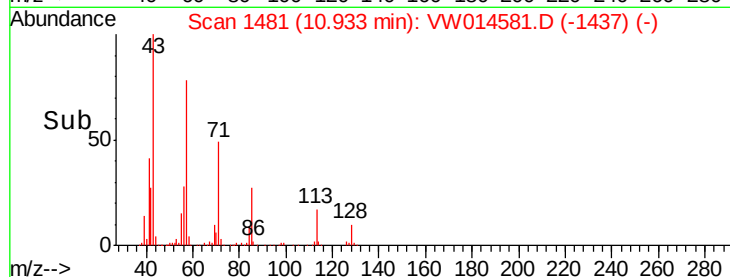
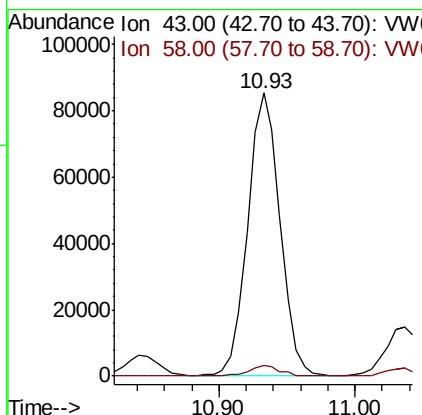
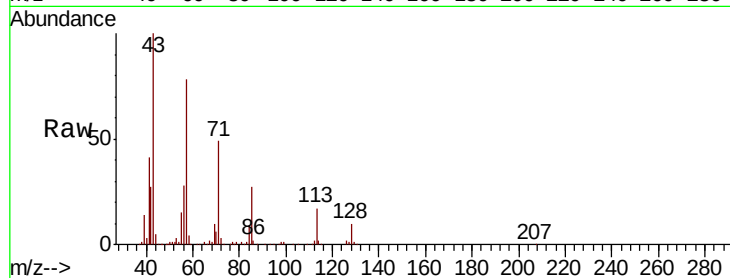




#59
2-Hexanone
Concen: 47.117 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

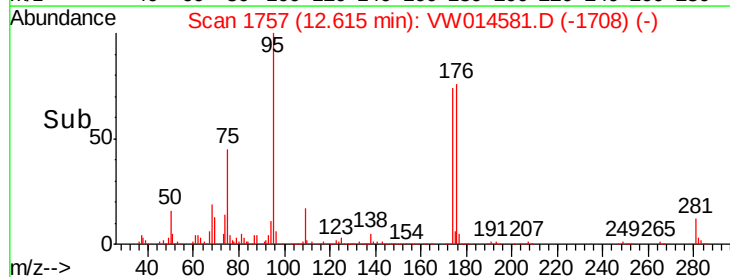
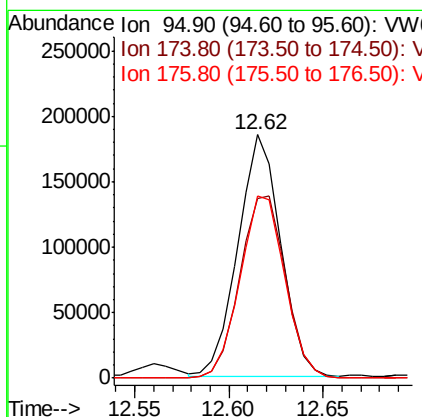
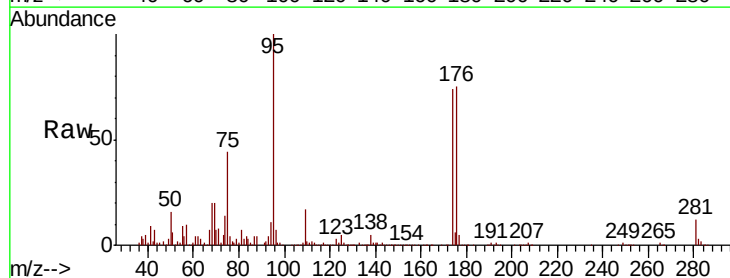
Instrument :
MSVOA_W
ClientSampleId :

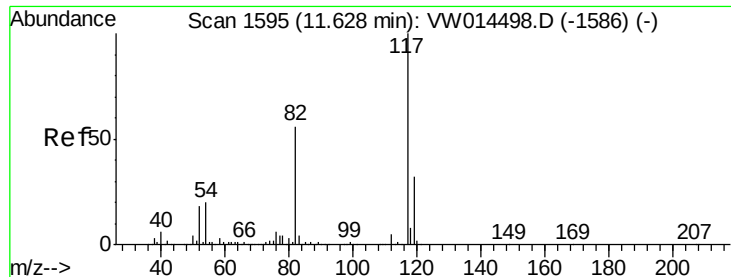
Tot Ion: 43 Resp: 140908
Ion Ratio Lower Upper
43 100
58 3.9 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 34.120 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

Tgt Ion: 95 Resp: 290550
Ion Ratio Lower Upper
95 100
174 80.8 0.0 168.6
176 79.1 0.0 162.0

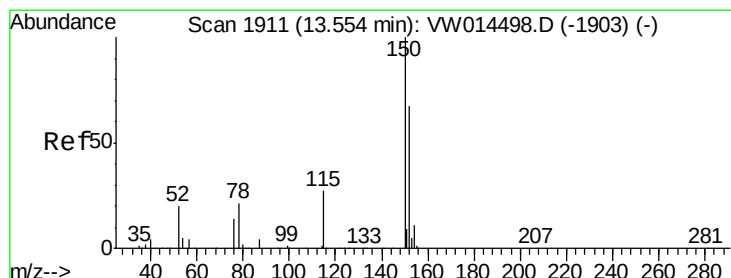
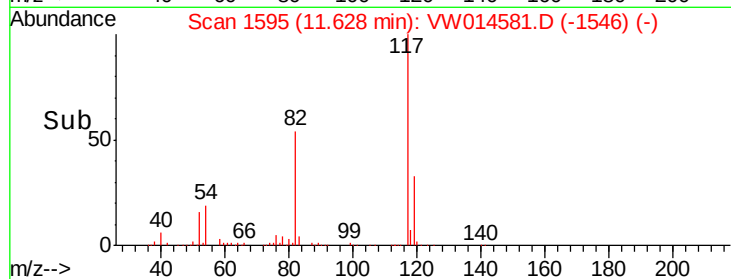
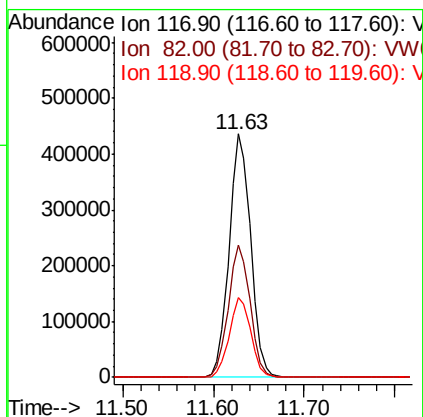
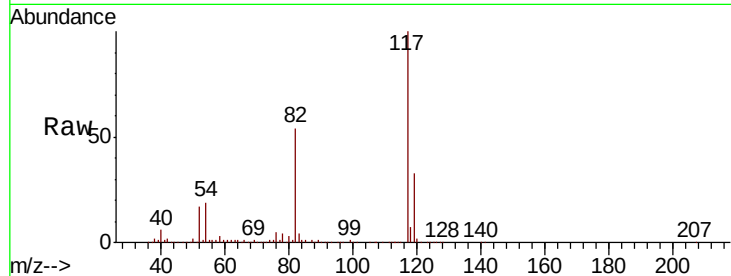




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

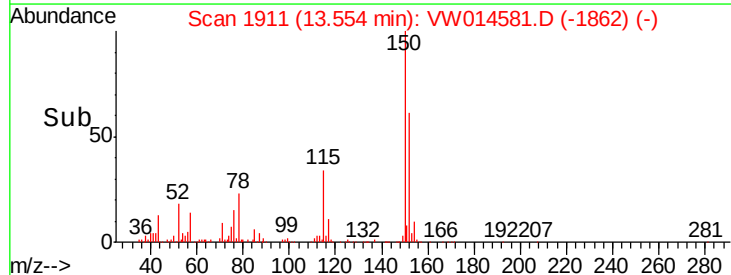
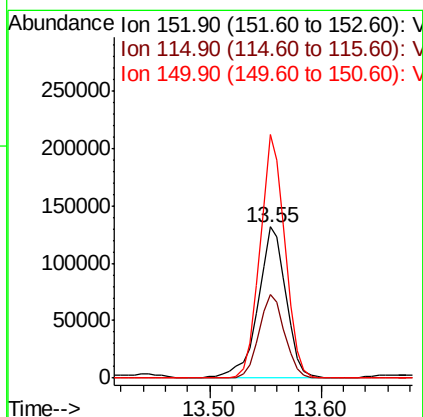
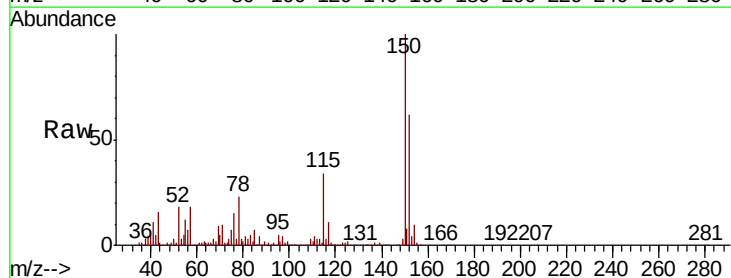
Instrument :
MSVOA_W
ClientSampled :

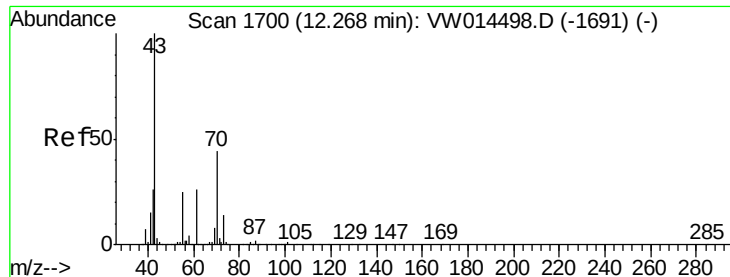
Tot Ion:117 Resp: 728533
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

Tgt Ion:152 Resp: 227350
Ion Ratio Lower Upper
152 100
115 51.5 27.7 83.1
150 145.3 0.0 343.4





#74

N-amvl acetate

Concen: 48.607 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 181808

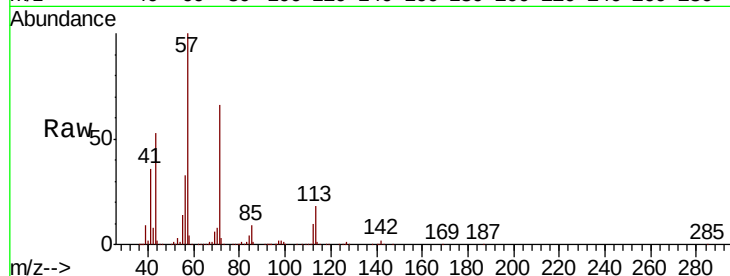
Ion Ratio Lower Upper

43 100

70 21.1 36.5 54.7#

55 37.1 20.9 31.3#

61 0.0 20.7 31.1#

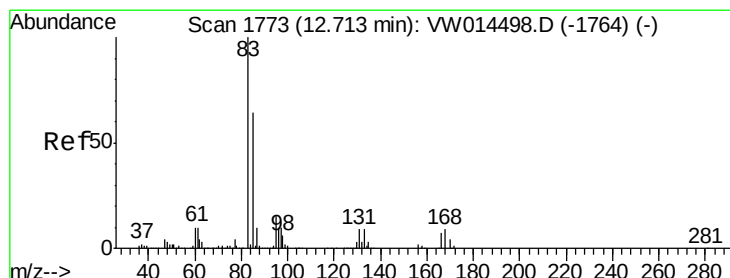
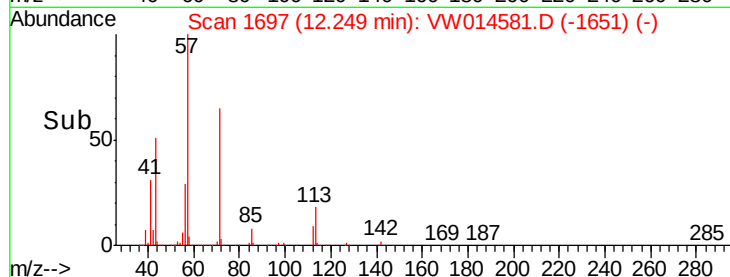
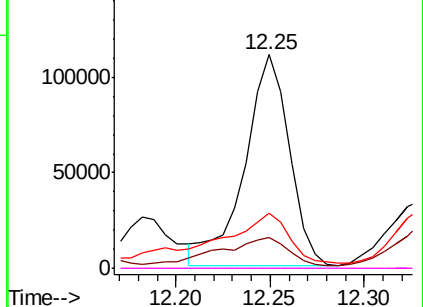


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 3.557 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014581.D

Acq: 09 Jan 2020 14:43

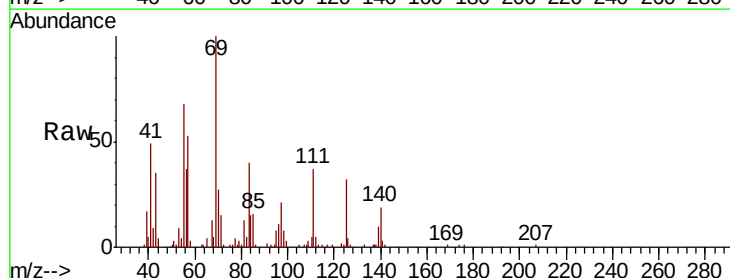
Tgt Ion: 83 Resp: 10711

Ion Ratio Lower Upper

83 100

131 1.1 5.1 15.4#

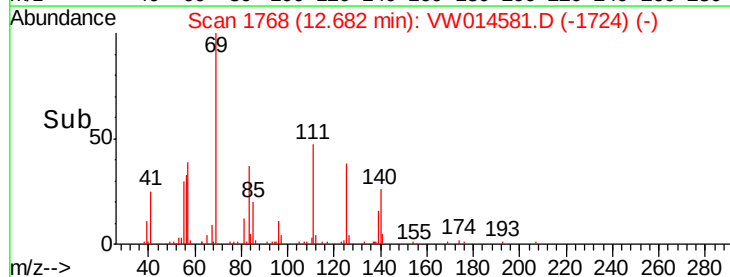
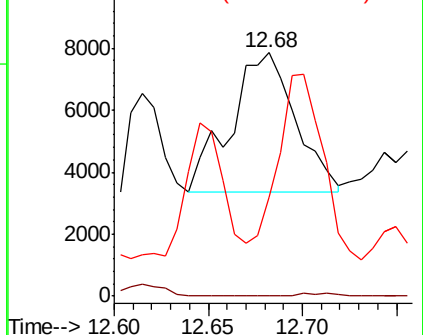
85 92.9 31.9 95.7

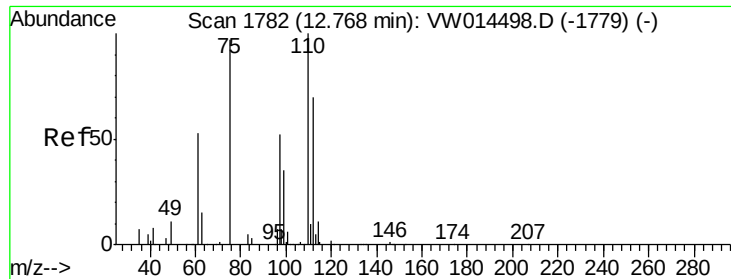


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



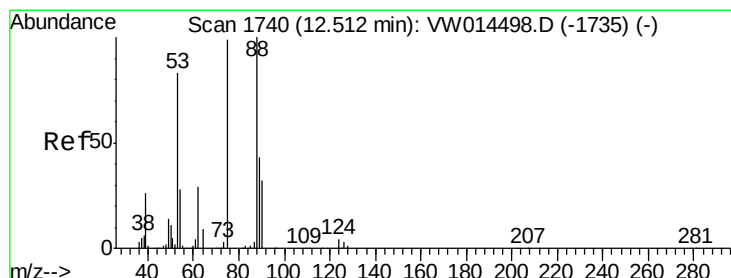
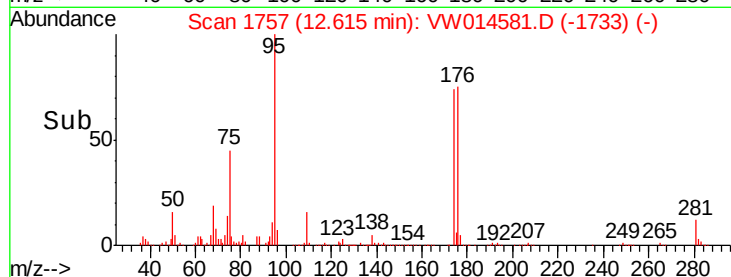
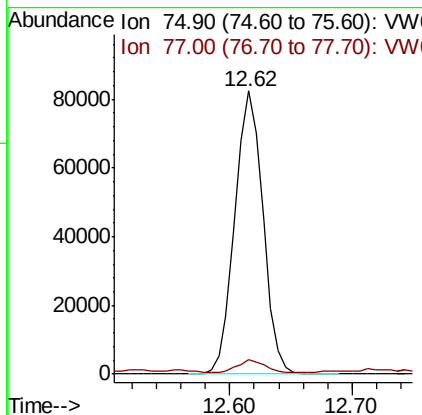
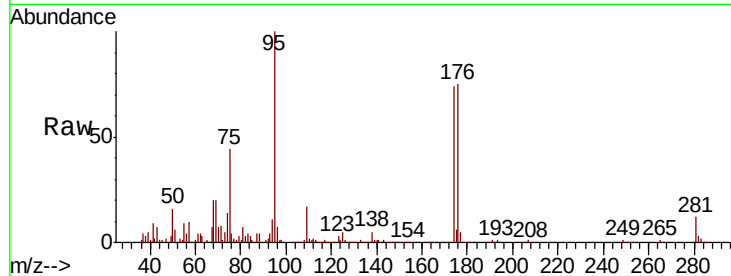


#76

1,2,3-Trichloropropane
Concen: 61.128 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 131399
Ion Ratio Lower Upper
75 100
77 4.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 136.196 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014581.D
Acq: 09 Jan 2020 14:43

Tgt Ion: 75 Resp: 131399
Ion Ratio Lower Upper
75 100
53 7.5 70.9 106.3#
89 0.0 35.8 53.8#

