

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014541.D
 Acq On : 07 Jan 2020 12:07
 Operator : SY/VA
 Sample : VW0107SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:46:11 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	587089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	909056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	770176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	345855	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	273283	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.88	113	263116	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.32	98	1031323	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.62	95	321693	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

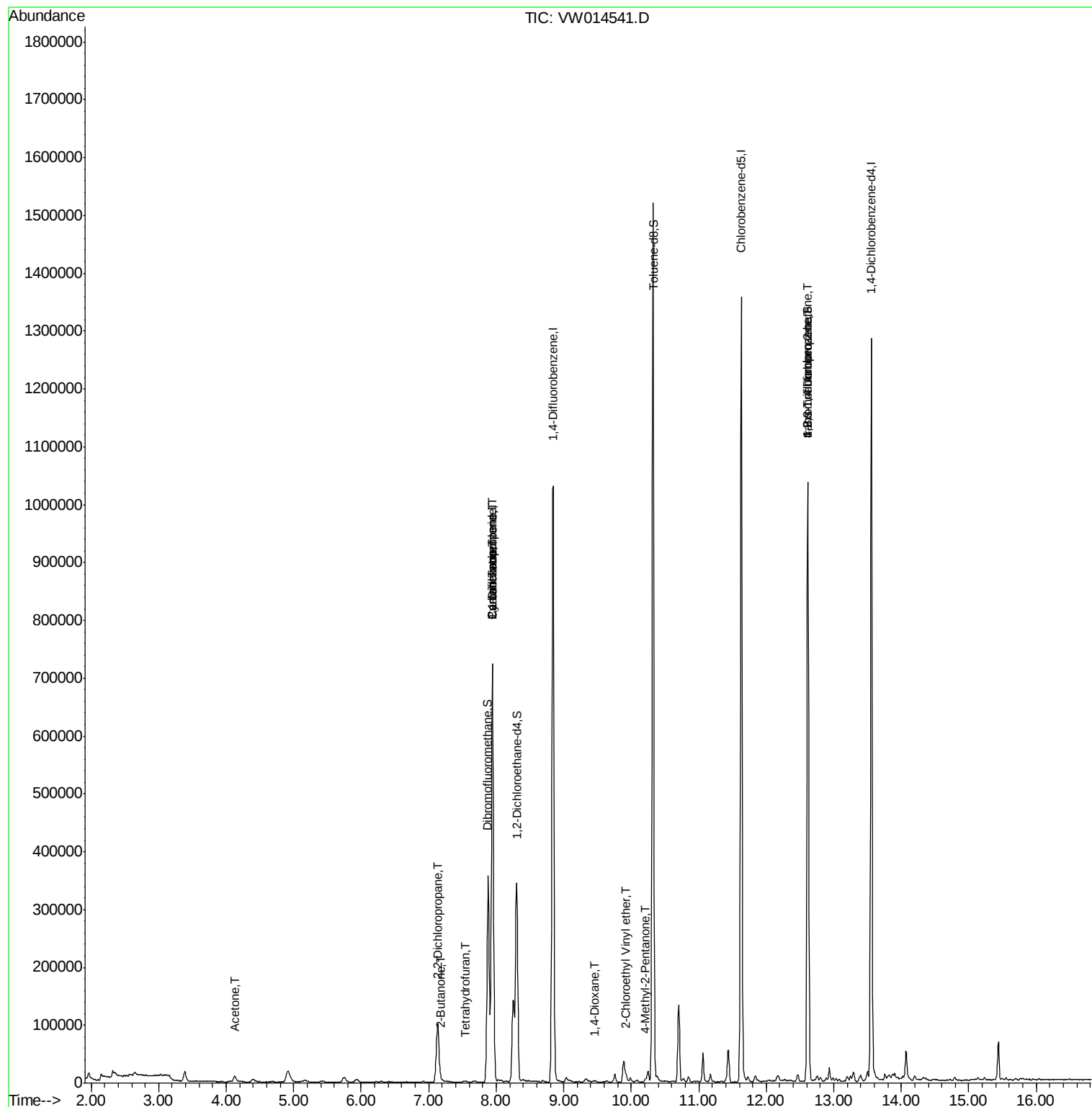
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	6039	Below Cal	#	90
16) Acetone	4.13	43	18776	12.954	ug/l	100
20) Methylene Chloride	4.91	84	16075	Below Cal		98
25) 2-Butanone	7.18	43	2230	1.199	ug/l #	89
26) 2,2-Dichloropropane	7.13	77	8361	1.433	ug/l #	51
29) Tetrahydrofuran	7.54	42	1388	1.205	ug/l #	74
31) Cyclohexane	7.95	56	12271	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	42219	4.817	ug/l #	48
38) Carbon Tetrachloride	7.94	117	52320	6.881	ug/l #	17
49) 1,4-Dioxane	9.45	88	90	1.602	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4185	1.117	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	4779	2.756	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	156920	47.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	156920	106.919	ug/l #	14

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

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Quant Time: Jan 08 05:46:11 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: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

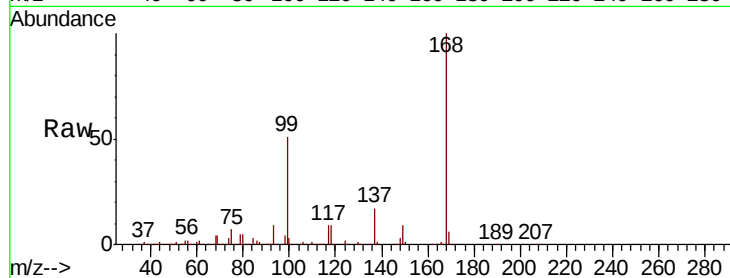
ClientSampleId :

Tot Ion:168 Resp: 587089

Ion Ratio Lower Upper

168 100

99 50.6 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

250000

200000

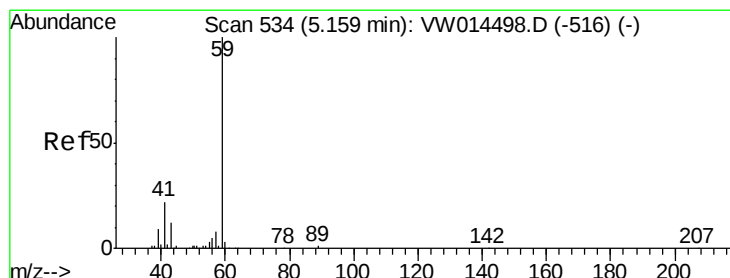
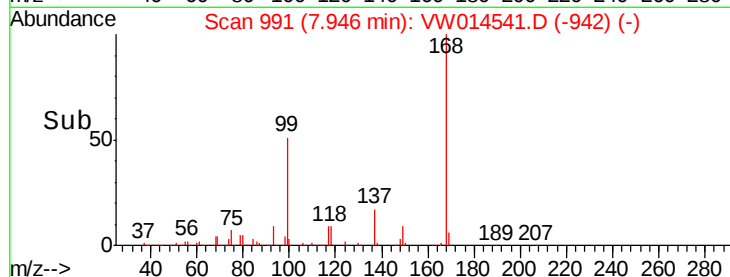
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW014541.D

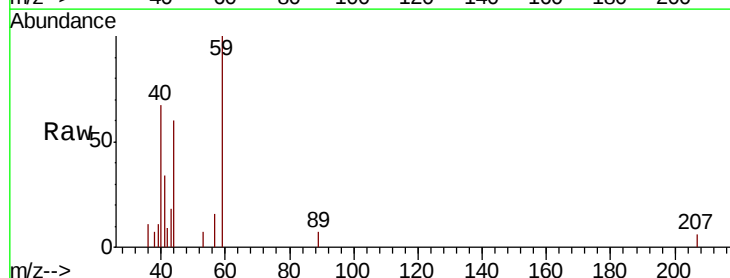
Acq: 07 Jan 2020 12:07

Tgt Ion: 59 Resp: 6039

Ion Ratio Lower Upper

59 100

57 6.1 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

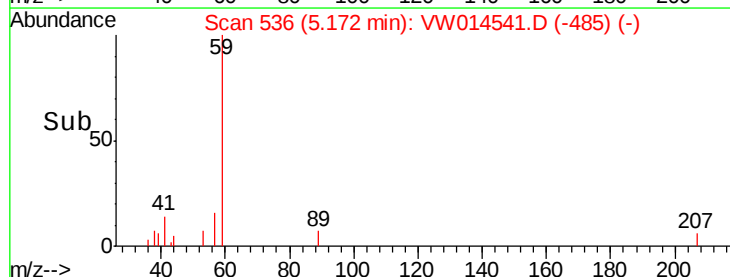
1500

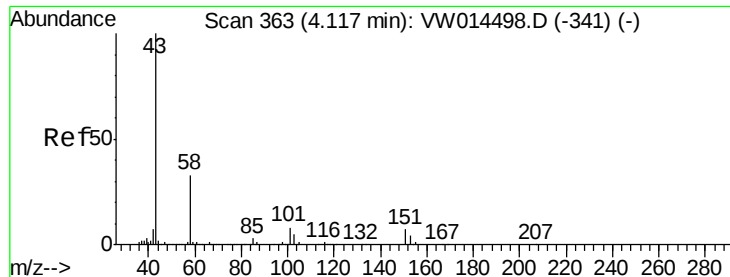
1000

500

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 12.954 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

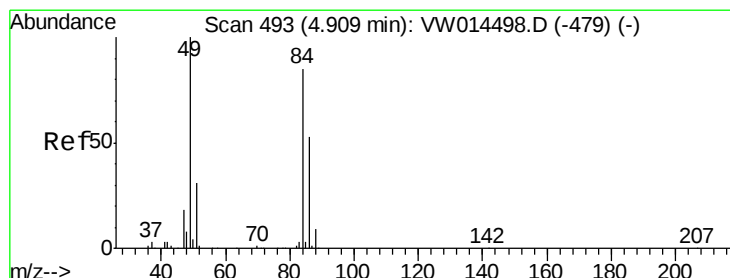
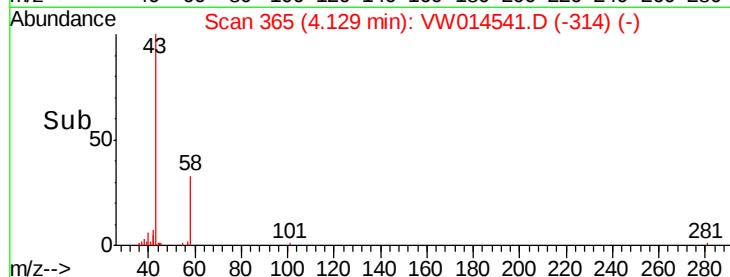
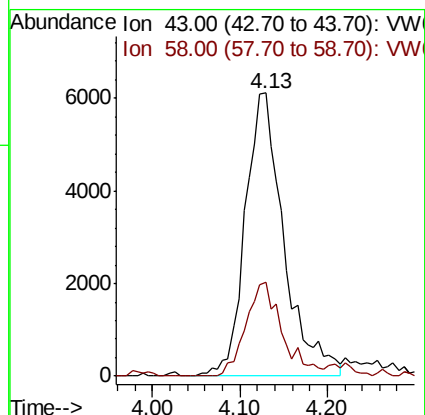
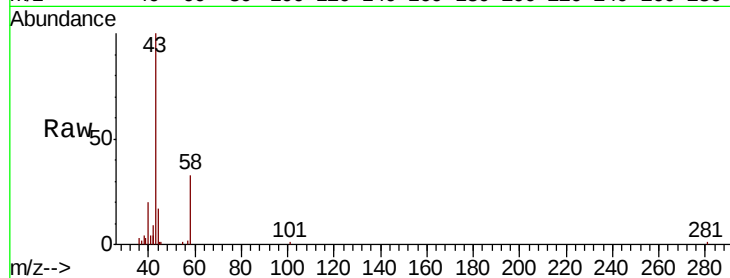
ClientSampleId :

Tot Ion: 43 Resp: 18776

Ion Ratio Lower Upper

43 100

58 33.0 26.6 39.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Tgt Ion: 84 Resp: 16075

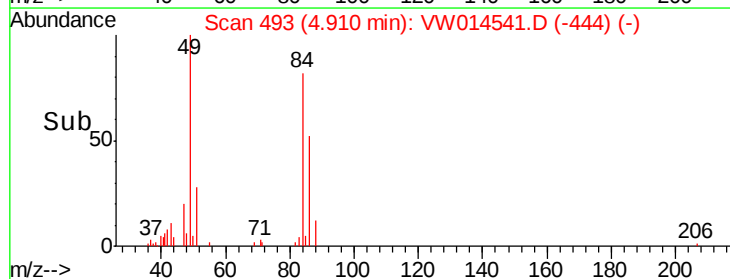
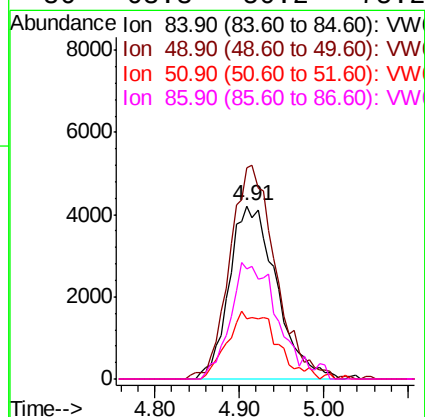
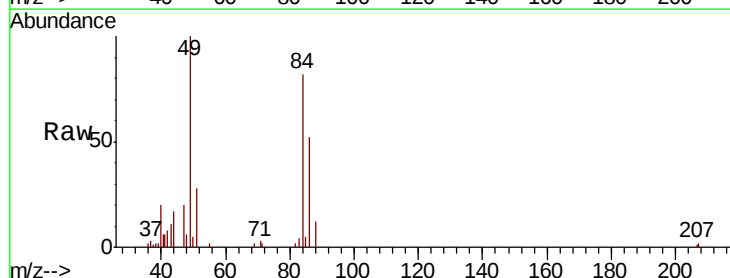
Ion Ratio Lower Upper

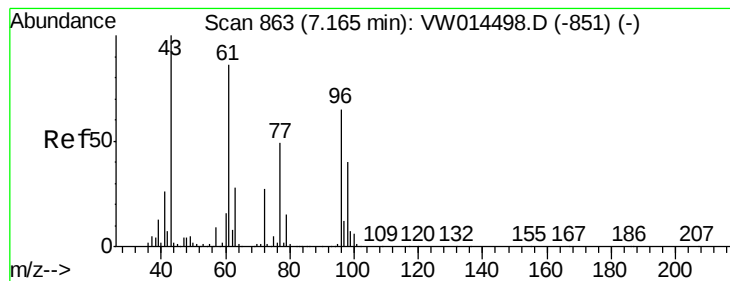
84 100

49 120.6 94.4 141.6

51 34.5 29.5 44.3

86 63.3 50.2 75.2





#25

2-Butanone

Concen: 1.199 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

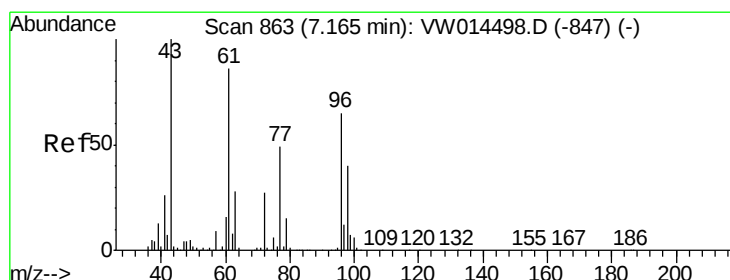
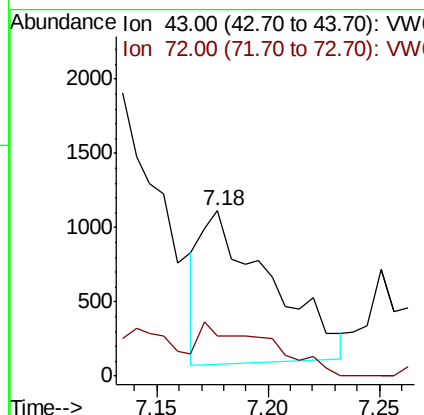
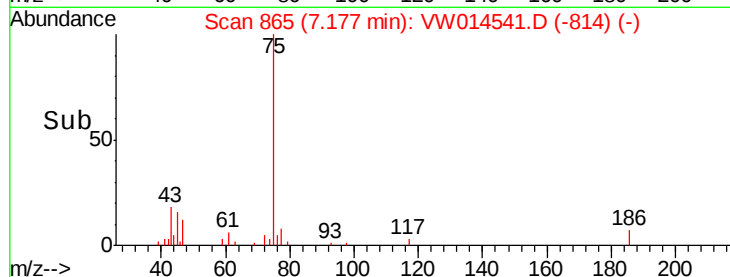
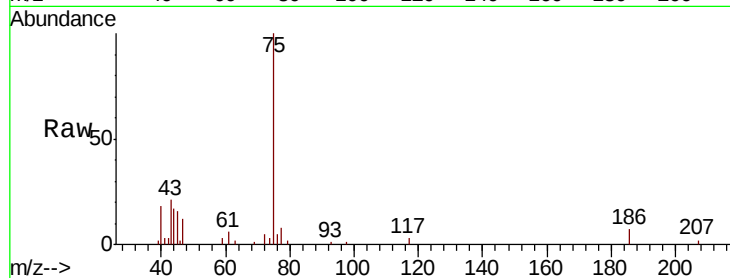
ClientSampled :

Tot Ion: 43 Resp: 2230

Ion Ratio Lower Upper

43 100

72 32.9 21.9 32.9#



#26

2,2-Dichloropropane

Concen: 1.433 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW014541.D

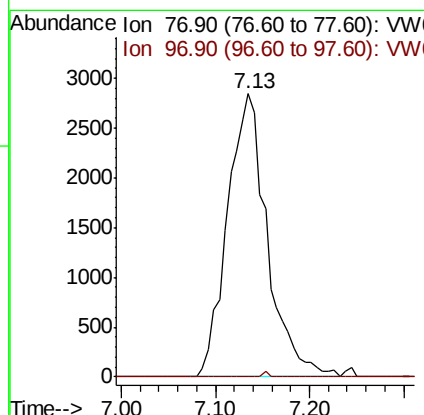
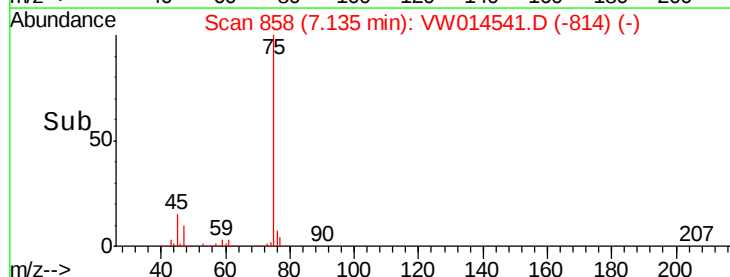
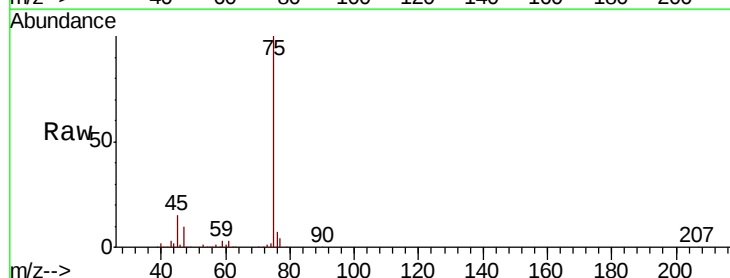
Acq: 07 Jan 2020 12:07

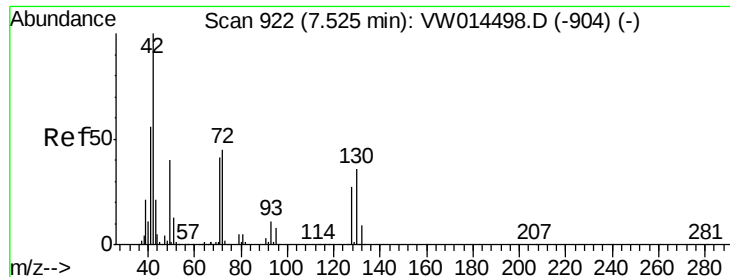
Tgt Ion: 77 Resp: 8361

Ion Ratio Lower Upper

77 100

97 0.3 12.5 37.5#

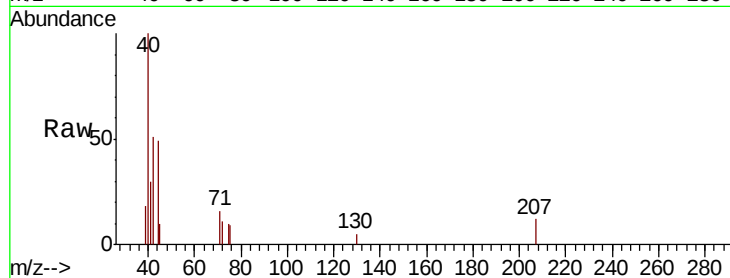




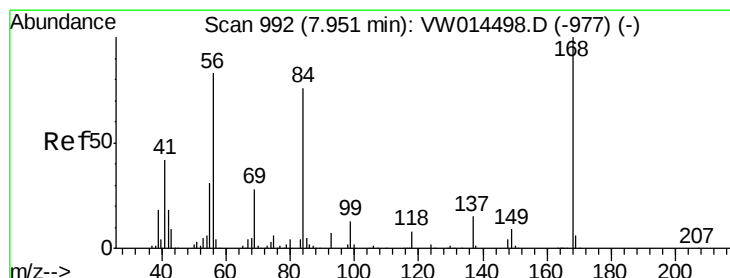
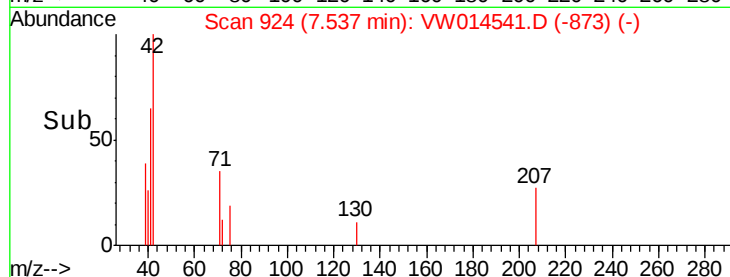
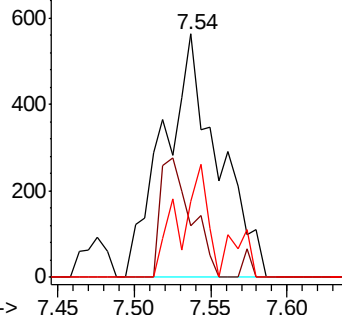
#29
Tetrahydrofuran
Concen: 1.205 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014541.D
Acq: 07 Jan 2020 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 1388
Ion Ratio Lower Upper
42 100
72 27.5 34.5 51.7#
71 23.3 32.0 48.0#

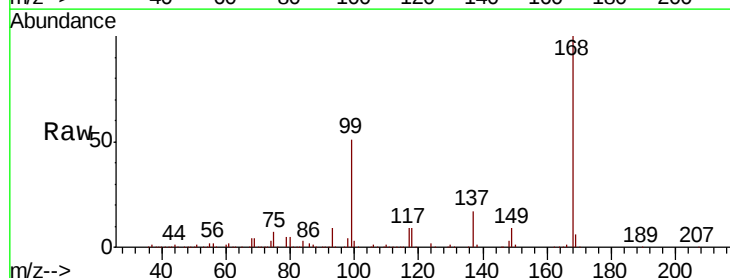


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

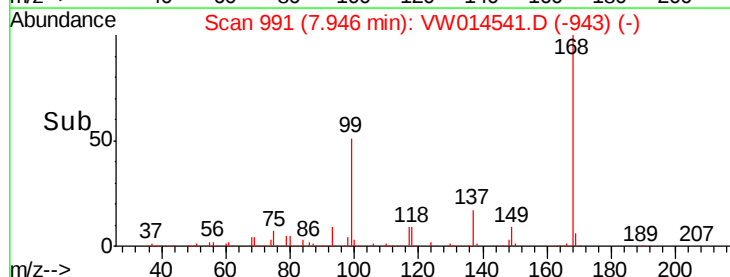
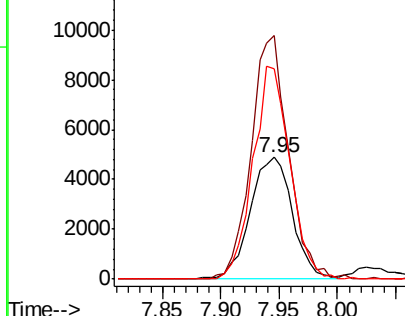


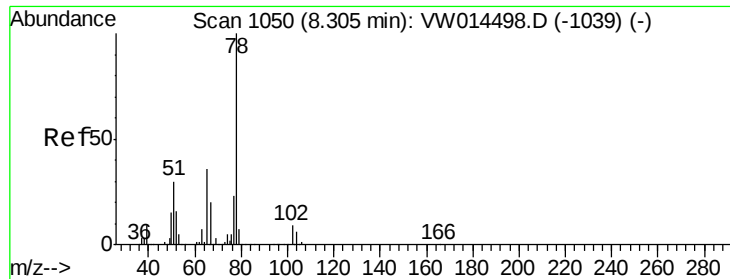
#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014541.D
Acq: 07 Jan 2020 12:07

Tgt Ion: 56 Resp: 12271
Ion Ratio Lower Upper
56 100
69 200.0 26.8 40.2#
84 173.2 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

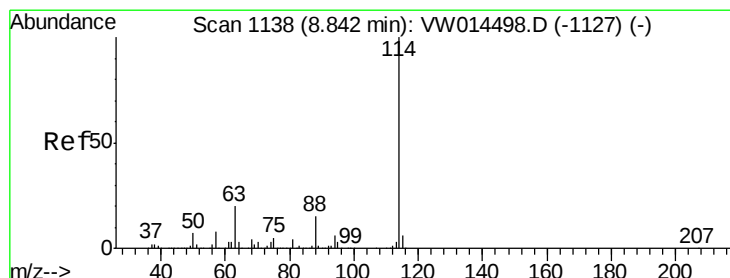
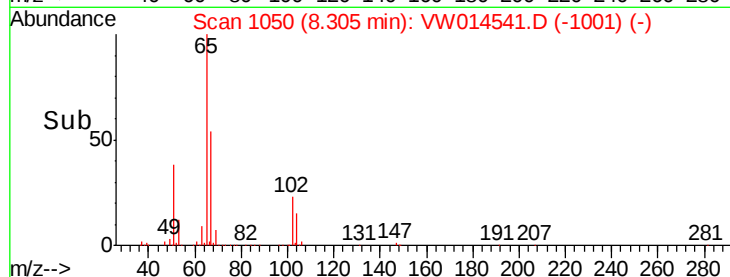
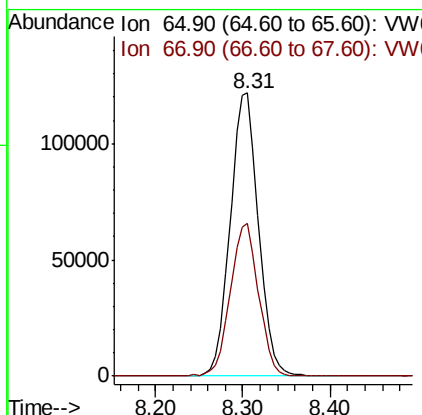
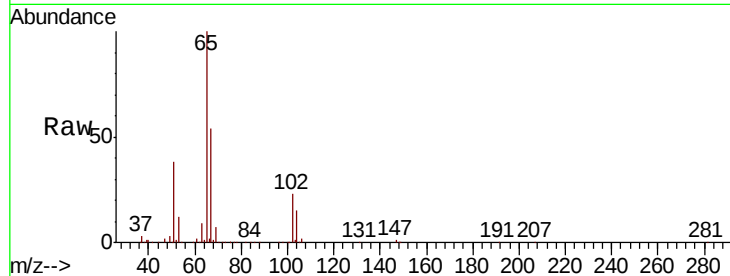




#33
 1,2-Dichloroethane-d4
 Concen: 53.240 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014541.D
 Acq: 07 Jan 2020 12:07

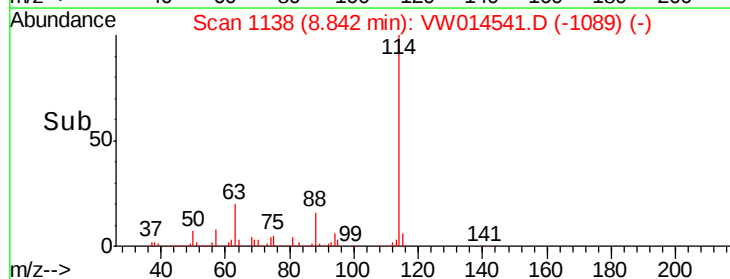
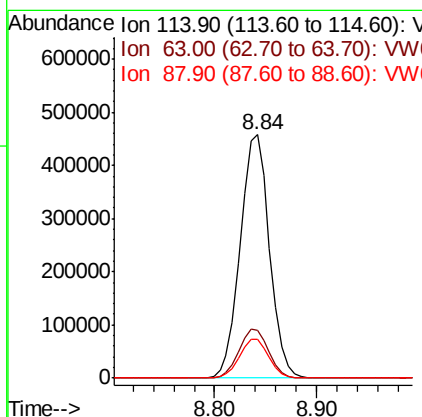
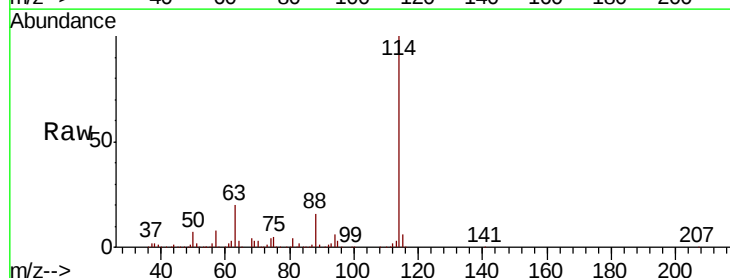
Instrument :
 MSVOA_W
 ClientSampleId :

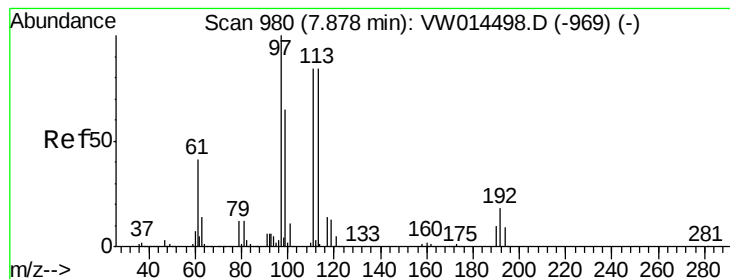
Tot Ion: 65 Resp: 273283
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014541.D
 Acq: 07 Jan 2020 12:07

Tgt Ion: 114 Resp: 909056
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.4
 88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.644 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :
MSVOA_W
ClientSampleId :

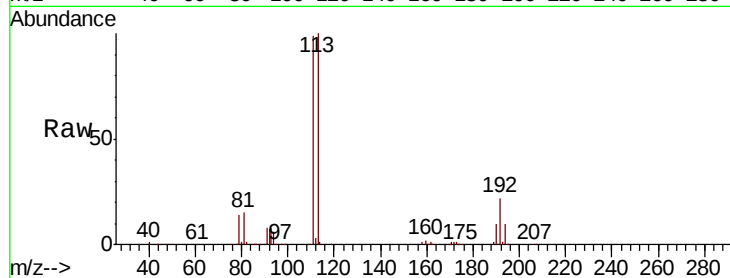
Tot Ion:113 Resp: 263116

Ion Ratio Lower Upper

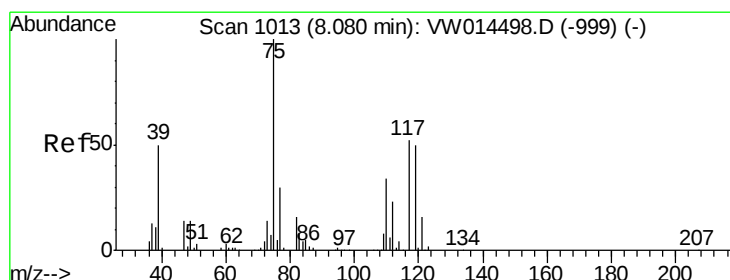
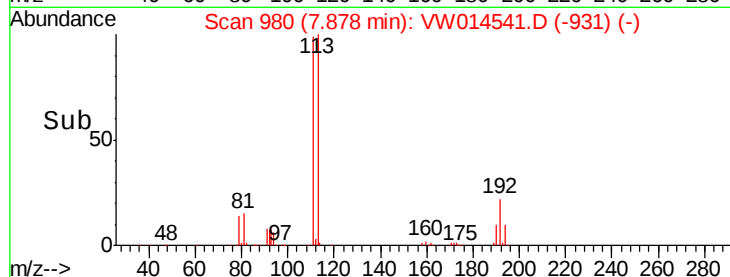
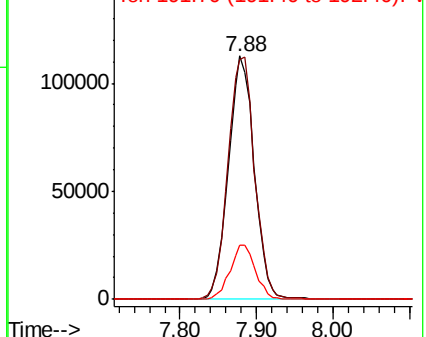
113 100

111 102.5 81.4 122.2

192 21.8 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: 4.817 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

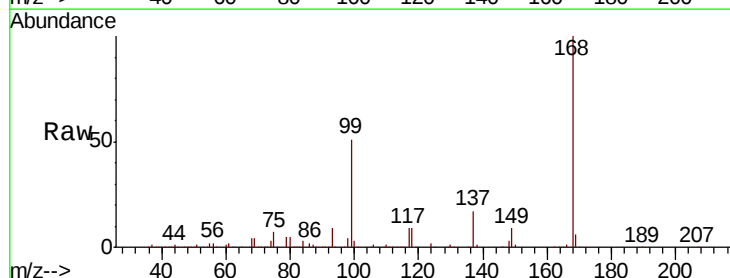
Tgt Ion: 75 Resp: 42219

Ion Ratio Lower Upper

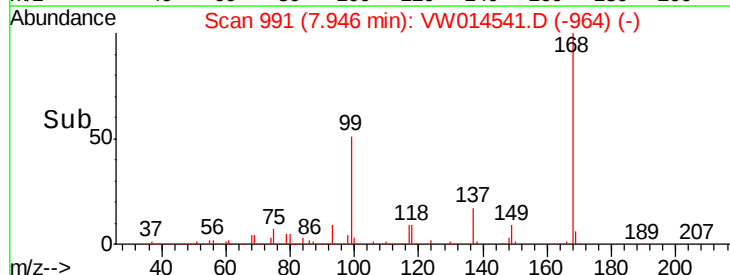
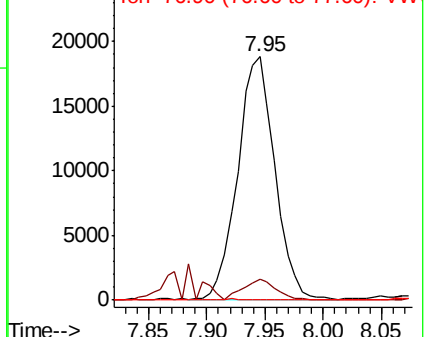
75 100

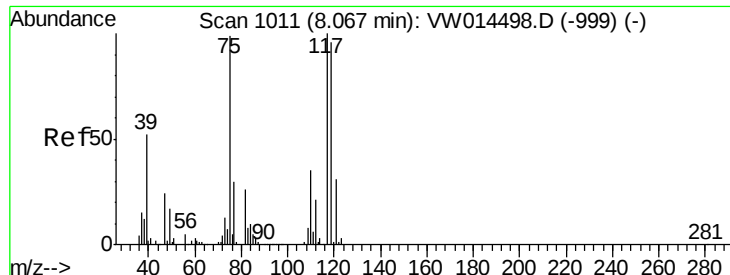
110 7.7 17.8 53.5#

77 0.0 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: 6.881 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

ClientSampleId :

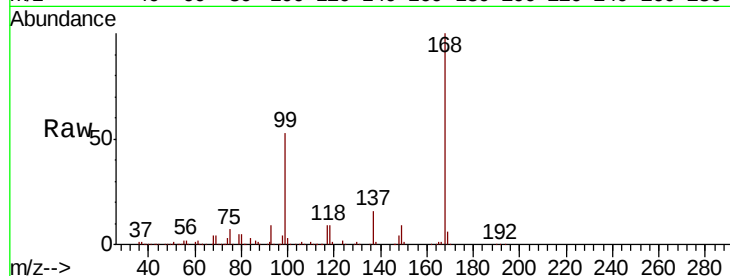
Tot Ion:117 Resp: 52320

Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.6#

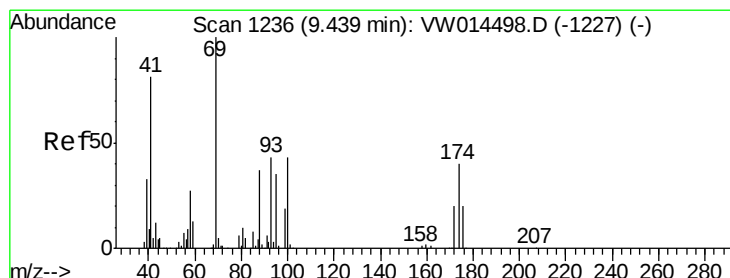
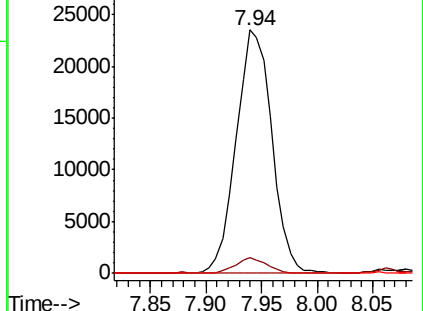
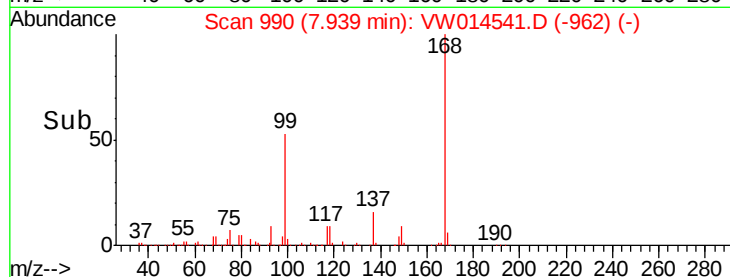
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 1.602 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

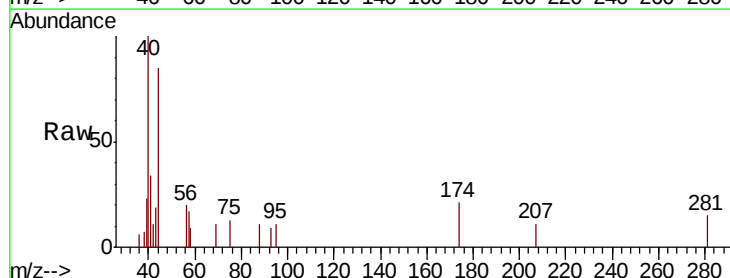
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 116.7 24.9 37.3#

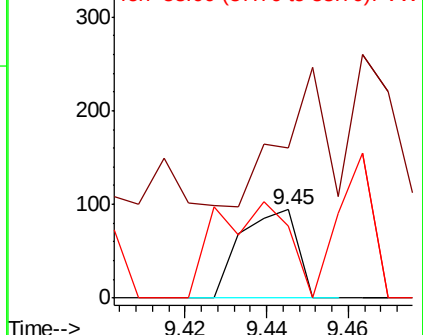
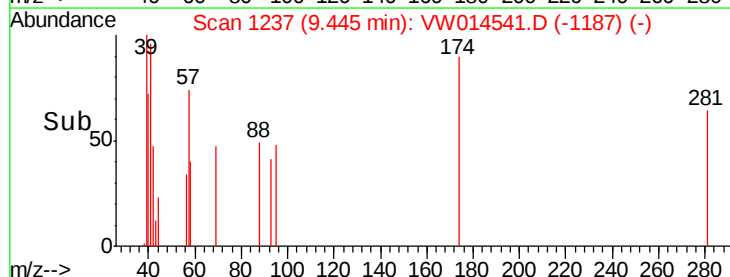
58 140.0 56.9 85.3#

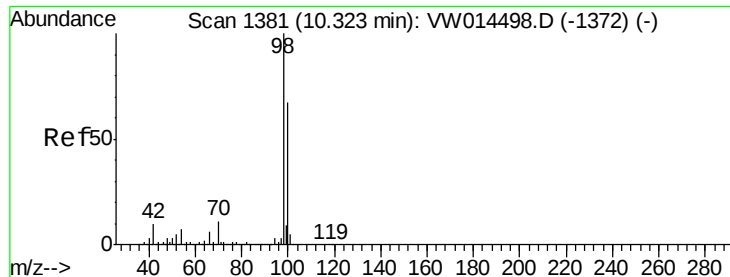


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 47.566 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

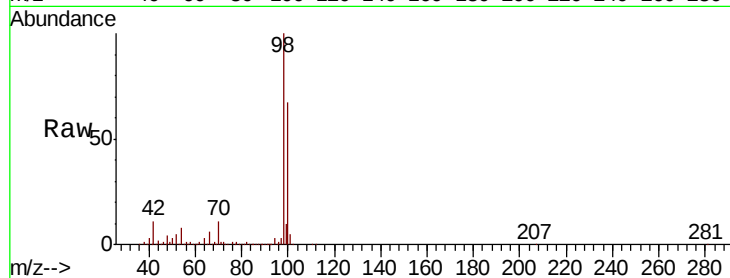
ClientSampleId :

Tot Ion: 98 Resp: 1031323

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

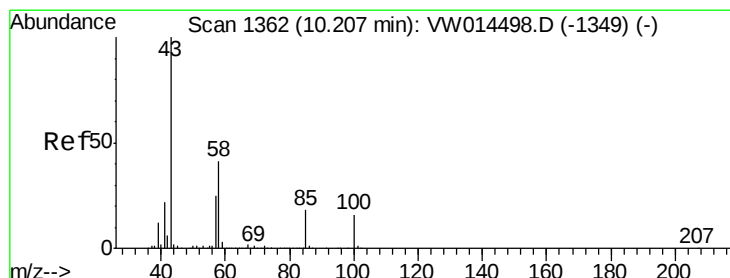
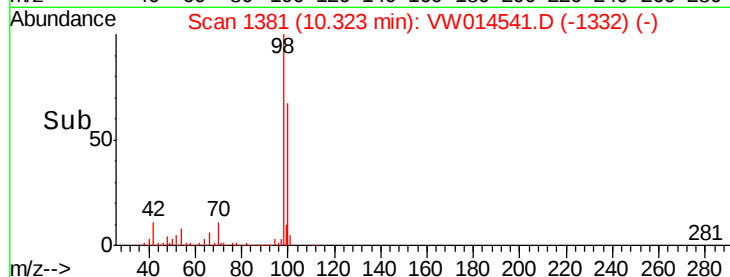
600000

400000

200000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.117 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW014541.D

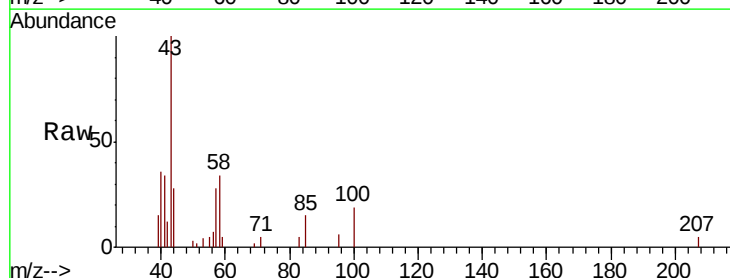
Acq: 07 Jan 2020 12:07

Tgt Ion: 43 Resp: 4185

Ion Ratio Lower Upper

43 100

58 38.8 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

2500

2000

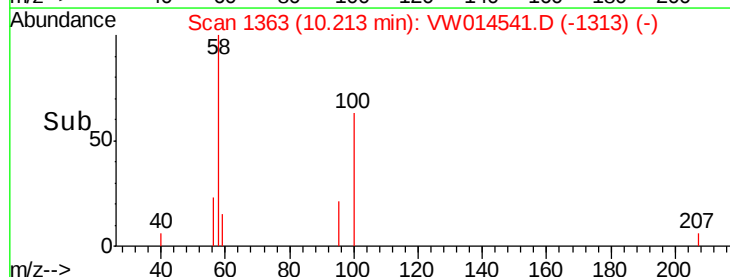
1500

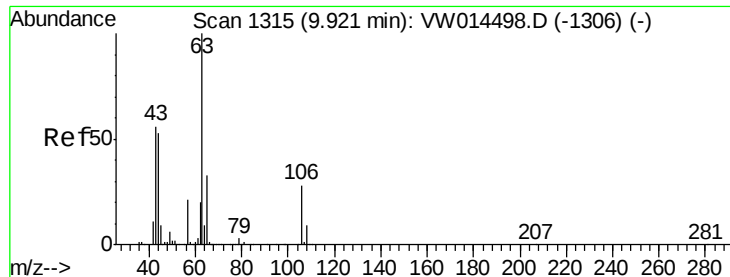
1000

500

0

Time--> 10.15 10.20 10.25

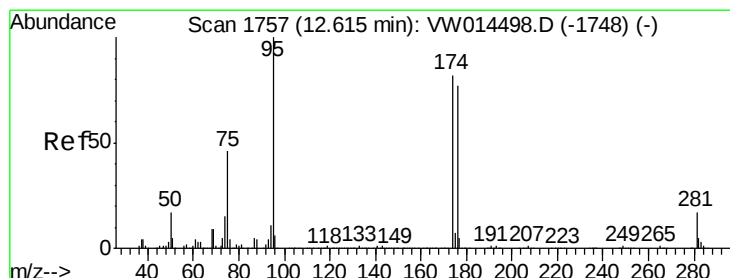
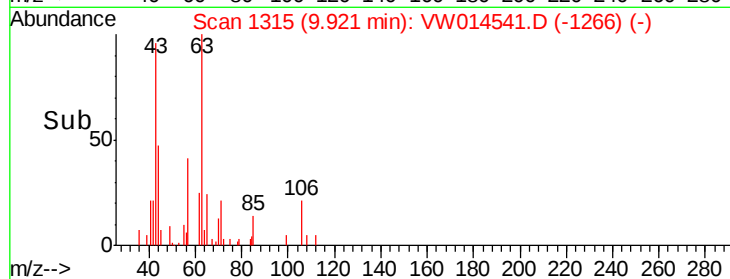
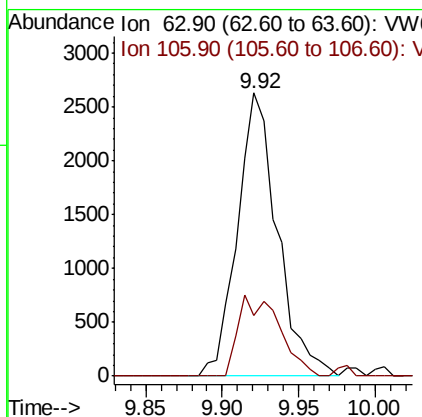
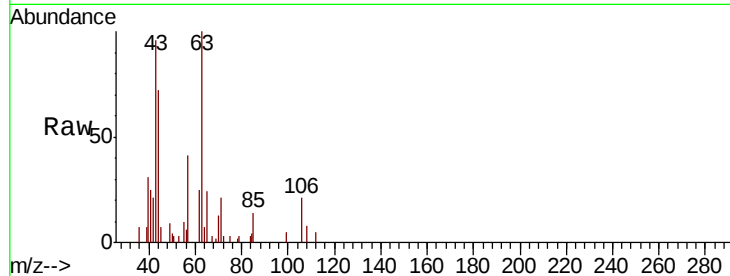




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.756 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014541.D
 Acq: 07 Jan 2020 12:07

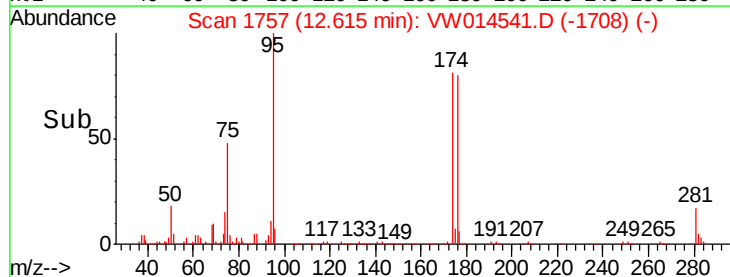
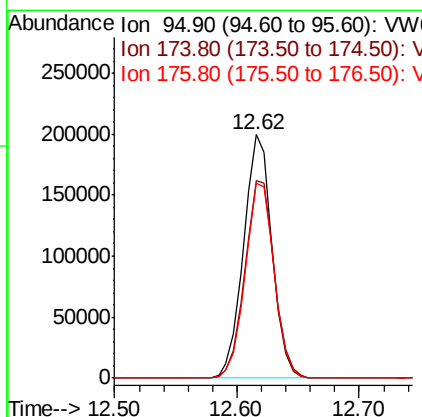
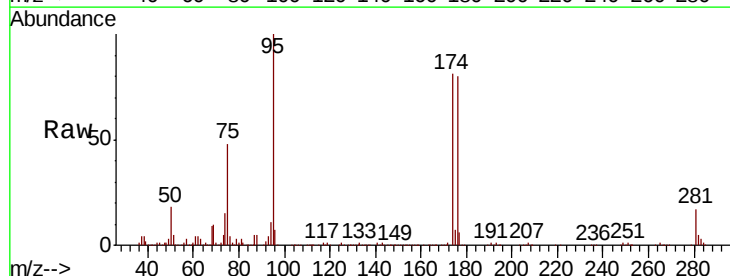
Instrument :
 MSVOA_W
 ClientSampleId :

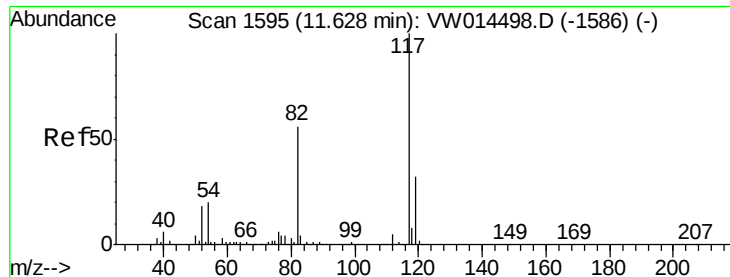
Tot Ion: 63 Resp: 4779
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.6



#62
 4-Bromofluorobenzene
 Concen: 43.743 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014541.D
 Acq: 07 Jan 2020 12:07

Tgt Ion: 95 Resp: 321693
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 168.6
 176 82.3 0.0 162.0

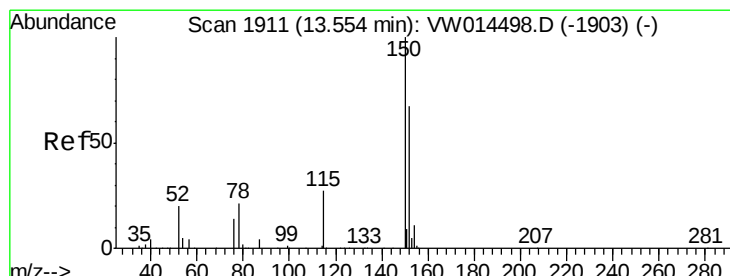
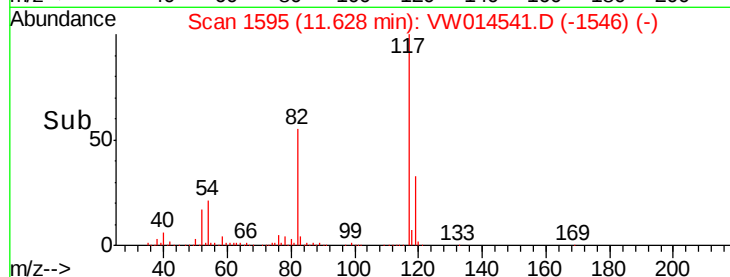
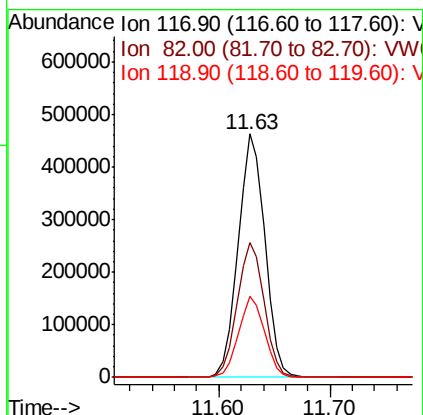
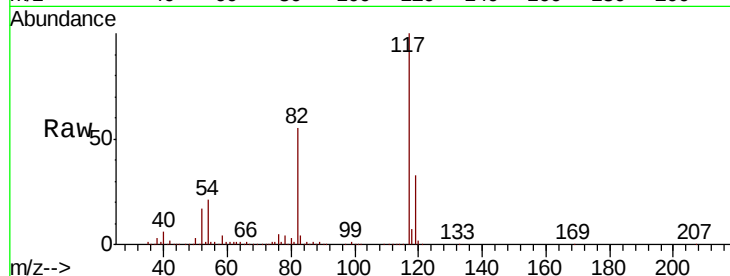




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014541.D
Acq: 07 Jan 2020 12:07

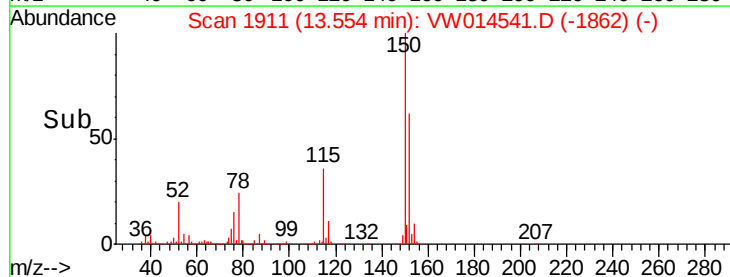
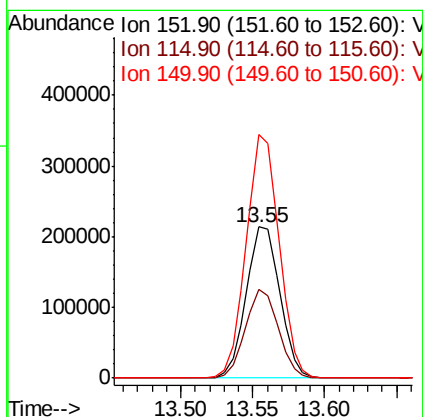
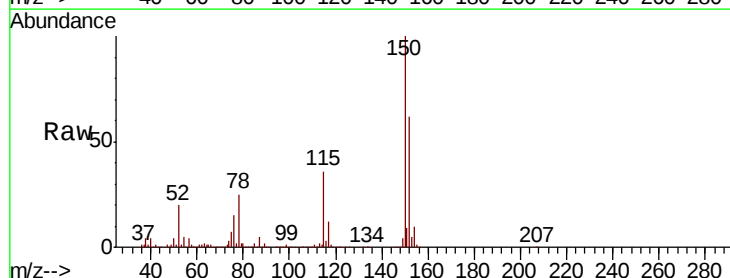
Instrument :
MSVOA_W
ClientSampleId :

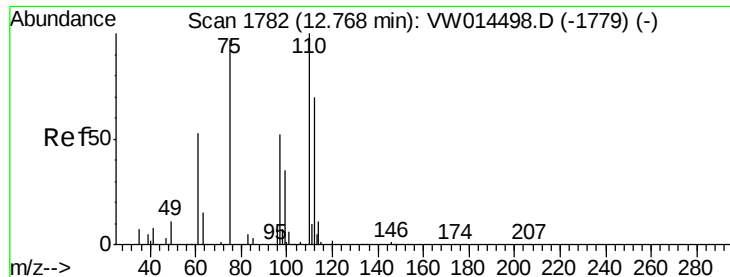
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	33.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014541.D
Acq: 07 Jan 2020 12:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.7	83.1
150	157.2	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 47.988 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Instrument :

MSVOA_W

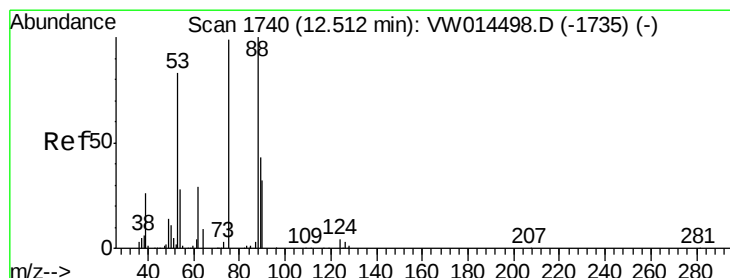
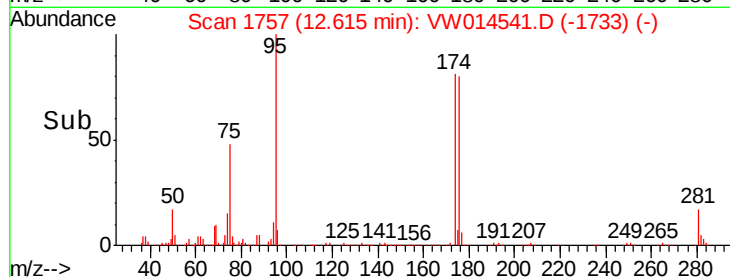
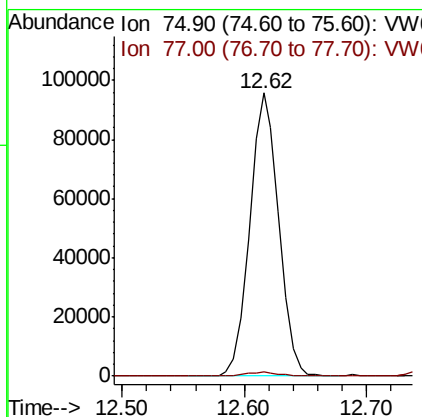
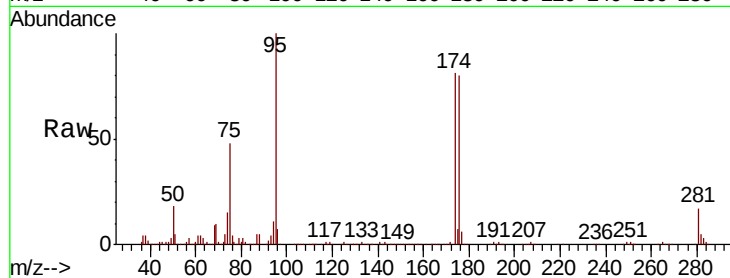
ClientSampled :

Tot Ion: 75 Resp: 156920

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.919 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014541.D

Acq: 07 Jan 2020 12:07

Tgt Ion: 75 Resp: 156920

Ion Ratio Lower Upper

75 100

53 0.1 70.9 106.3#

89 0.3 35.8 53.8#

