

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013496.D
 Acq On : 09 Oct 2019 11:42
 Operator : SY/VA
 Sample : VW1009SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBL01

Quant Time: Oct 10 02:37:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	329754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194932	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	131150	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
35) Dibromofluoromethane	7.88	113	133595	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	10.32	98	552933	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	185681	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	

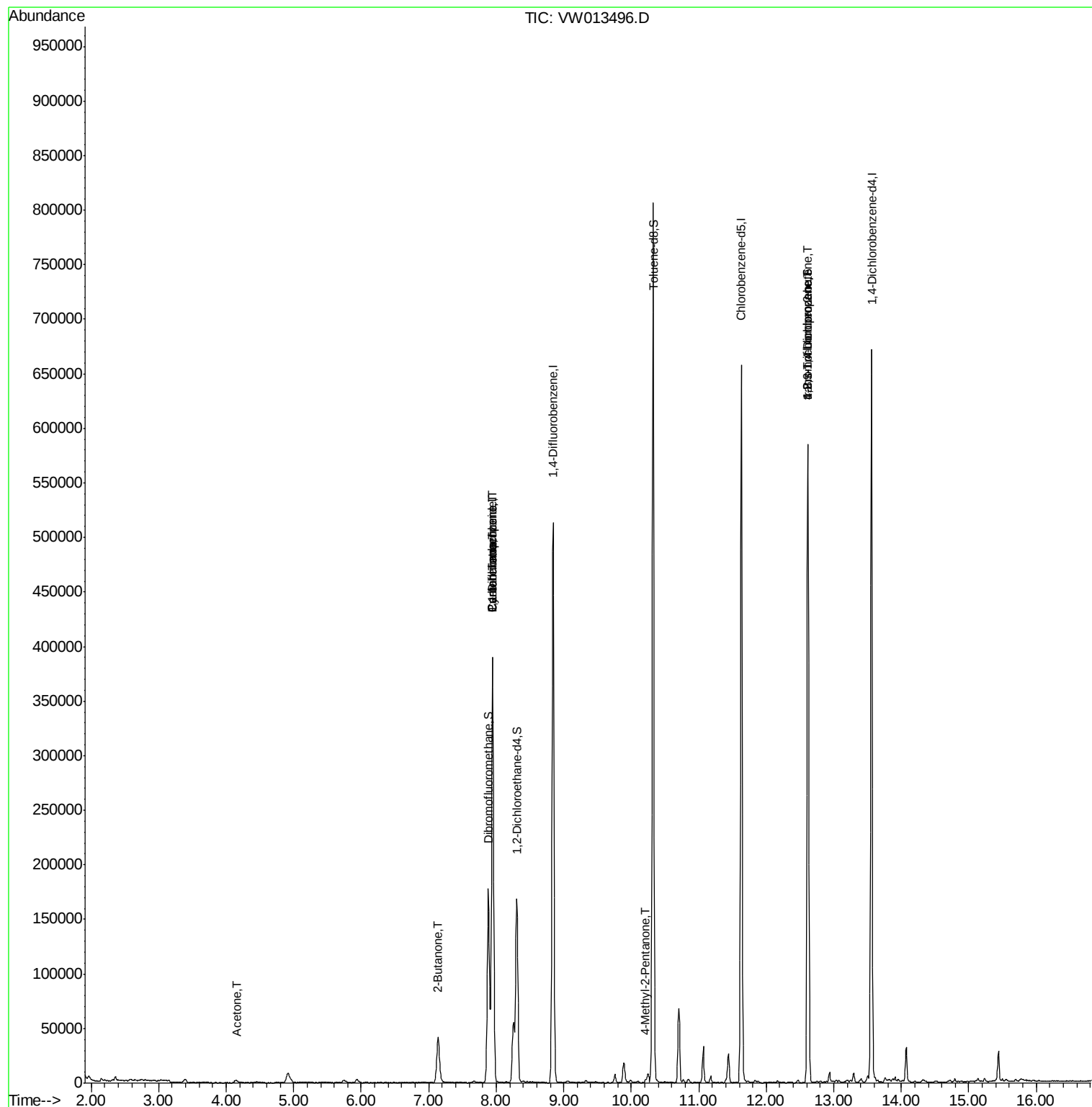
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	218	Below Cal	#	72
16) Acetone	4.15	43	5039	8.499	ug/l #	80
20) Methylene Chloride	4.92	84	6729	Below Cal		97
25) 2-Butanone	7.15	43	2041	2.336	ug/l #	47
31) Cyclohexane	7.94	56	5447	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20549	4.862	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27389	7.311	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1974	1.084	ug/l #	78
76) 1,2,3-Trichloropropane	12.62	75	86399	53.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86399	108.785	ug/l #	14

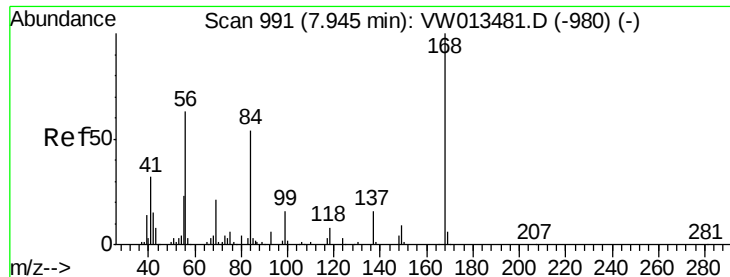
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
Data File : VW013496.D
Acq On : 09 Oct 2019 11:42
Operator : SY/VA
Sample : VW1009SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBL01

Quant Time: Oct 10 02:37:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 2019
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: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

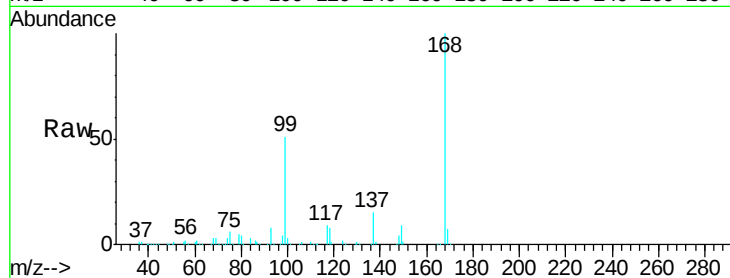
VW1009SBL01

Tgt Ion:168 Resp: 329754

Ion Ratio Lower Upper

168 100

99 51.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

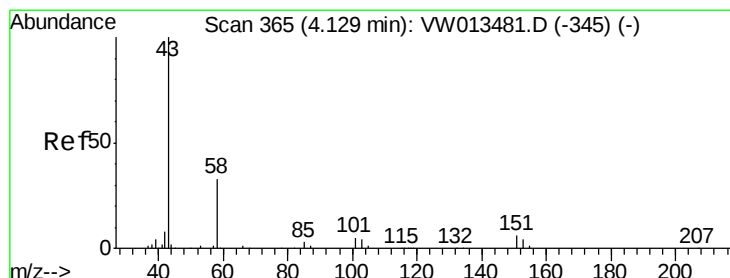
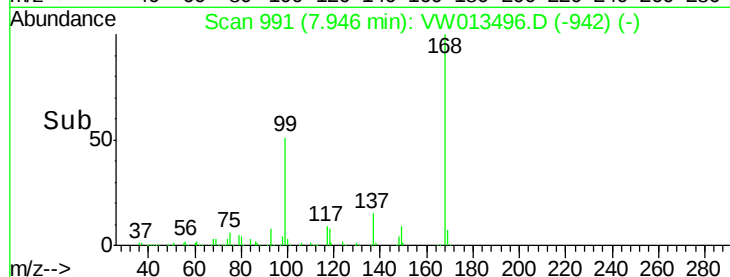
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 8.499 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW013496.D

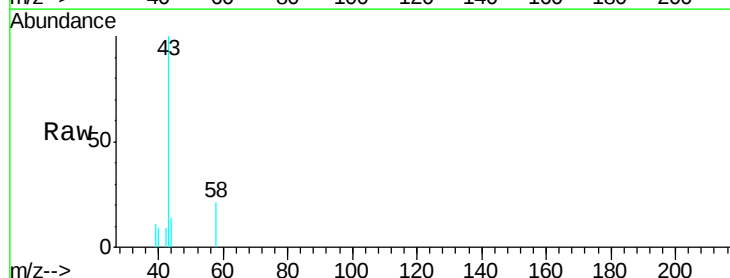
Acq: 09 Oct 2019 11:42

Tgt Ion: 43 Resp: 5039

Ion Ratio Lower Upper

43 100

58 21.3 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1500

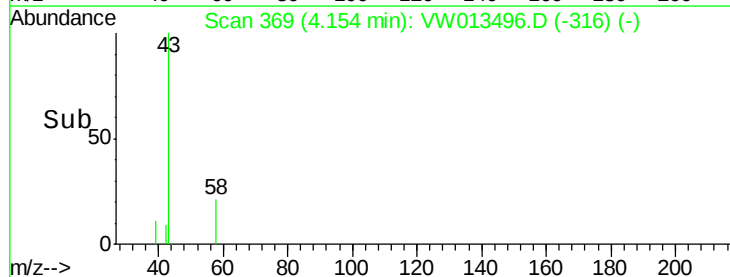
1000

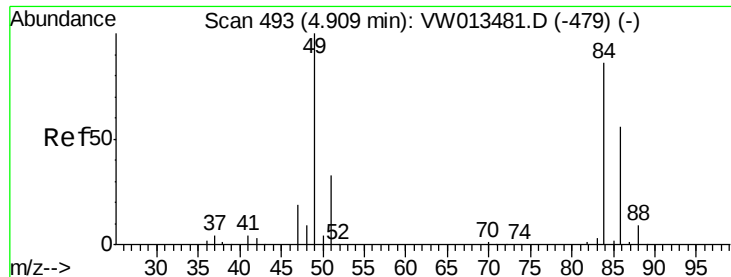
500

0

4.10 4.20

Time-->



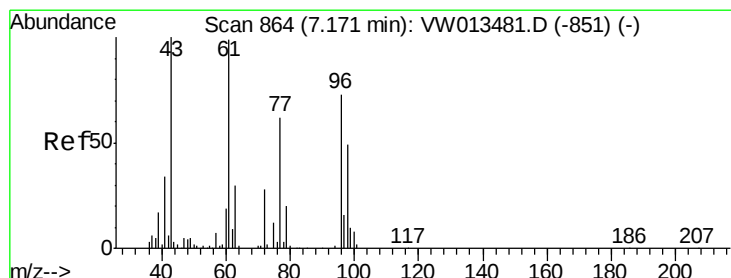
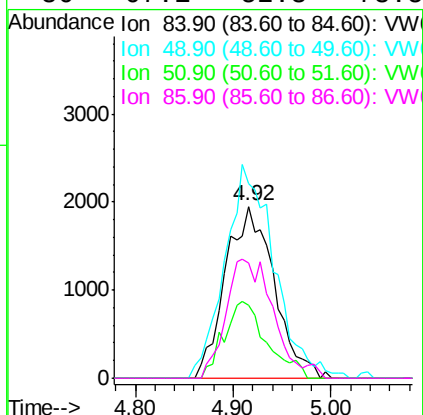
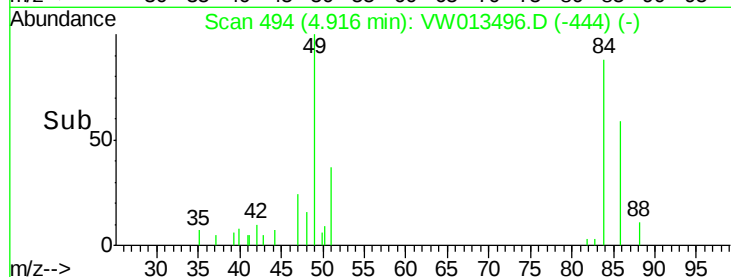
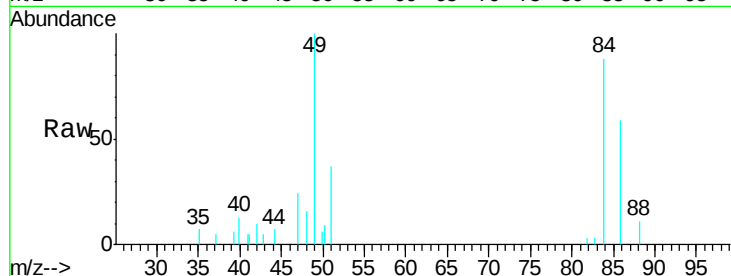


#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013496.D
Acq: 09 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBL01

Tgt Ion: 84 Resp: 6729

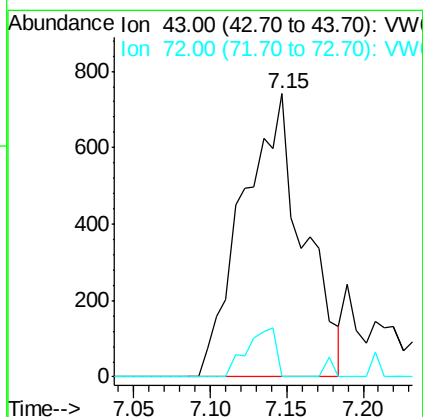
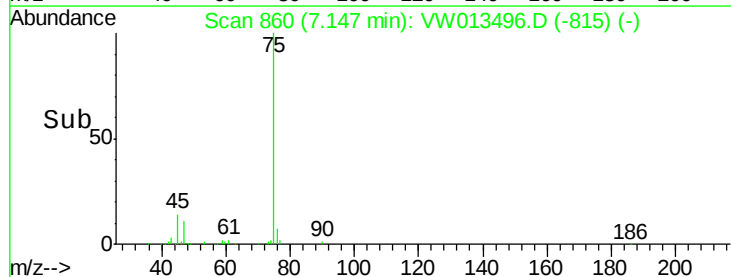
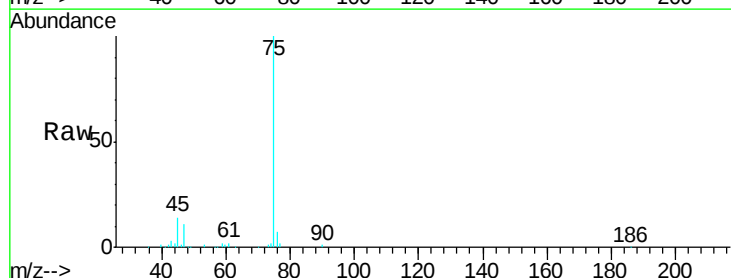
Ion	Ratio	Lower	Upper
84	100		
49	113.1	93.4	140.0
51	42.1	30.6	46.0
86	67.1	52.3	78.5

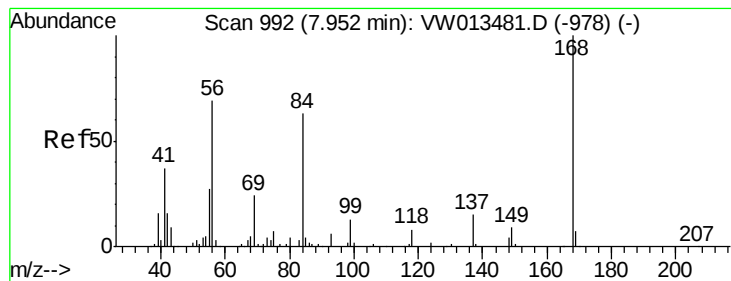


#25
2-Butanone
Concen: 2.336 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW013496.D
Acq: 09 Oct 2019 11:42

Tgt Ion: 43 Resp: 2041

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBL01

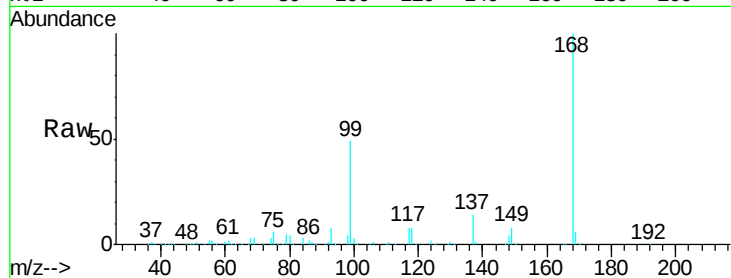
Tgt Ion: 56 Resp: 5447

Ion Ratio Lower Upper

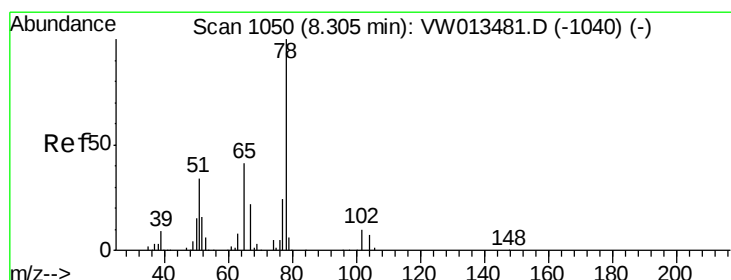
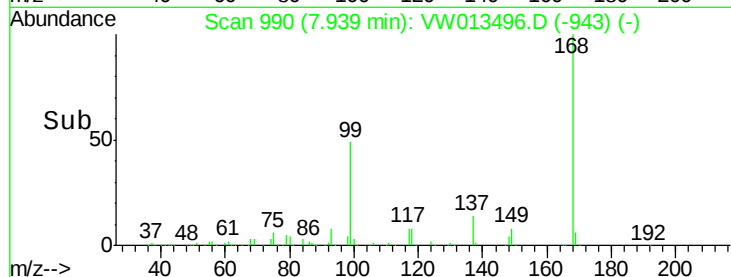
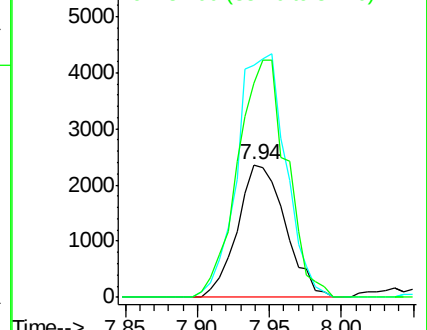
56 100

69 175.4 28.0 42.0#

84 162.0 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: 51.478 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013496.D

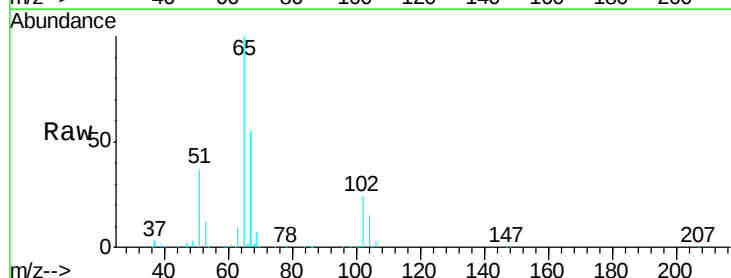
Acq: 09 Oct 2019 11:42

Tgt Ion: 65 Resp: 131150

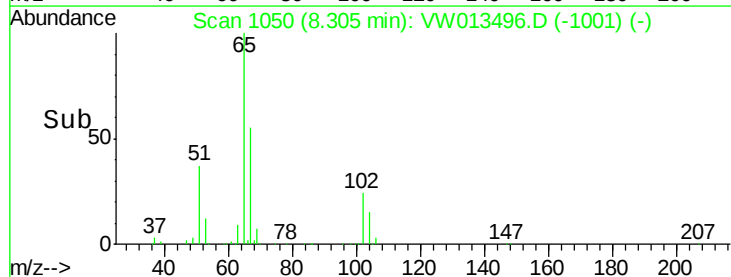
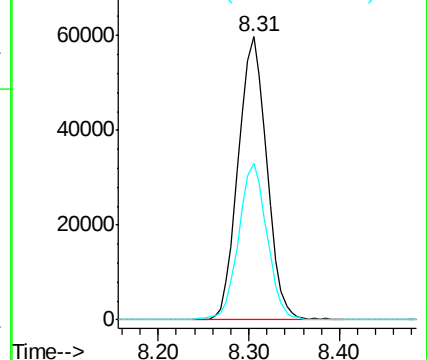
Ion Ratio Lower Upper

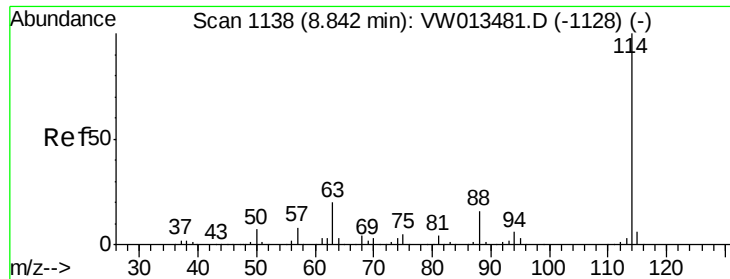
65 100

67 54.8 0.0 109.4



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# 1138

Delta R.T. 0.00 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBL01

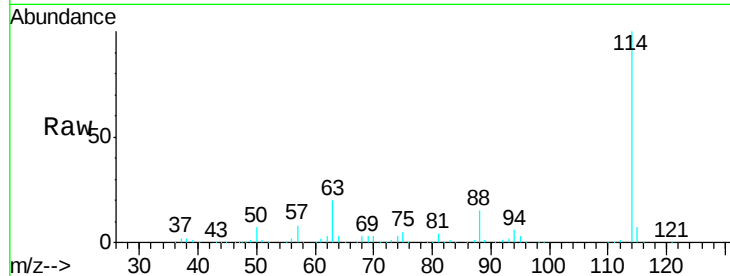
Tgt Ion:114 Resp: 467158

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.4

88 15.0 0.0 31.4



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

250000

200000

150000

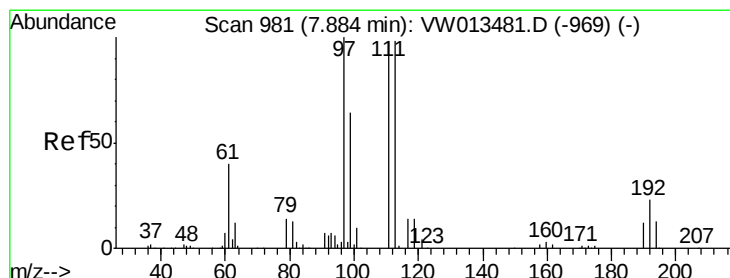
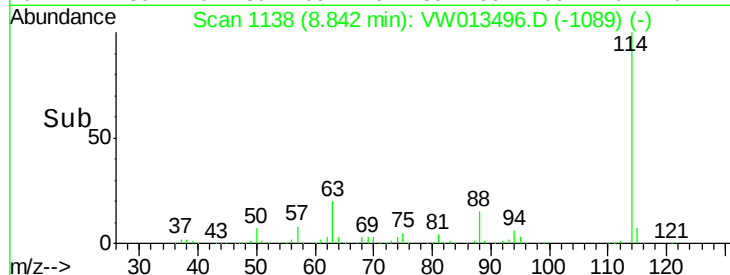
100000

50000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#35

Dibromofluoromethane

Concen: 51.202 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

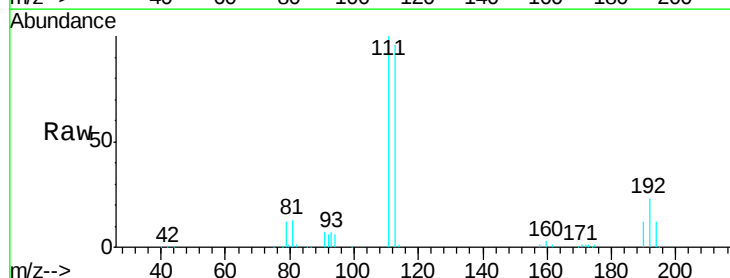
Tgt Ion:113 Resp: 133595

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

192 24.1 19.3 28.9



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

7.88

80000

60000

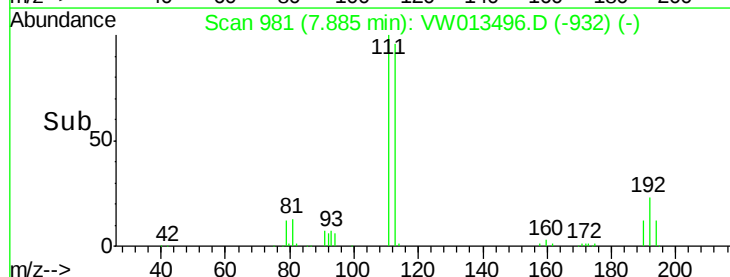
40000

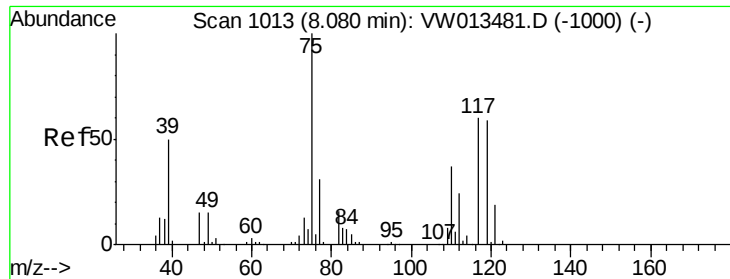
20000

0

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBL01

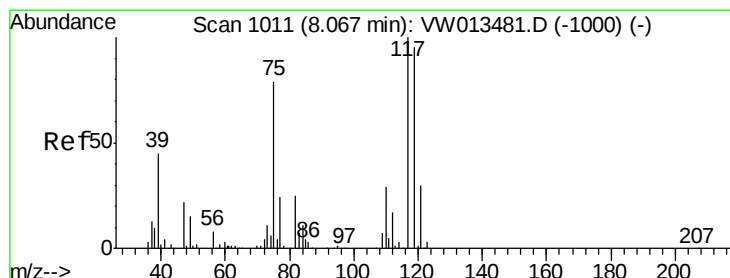
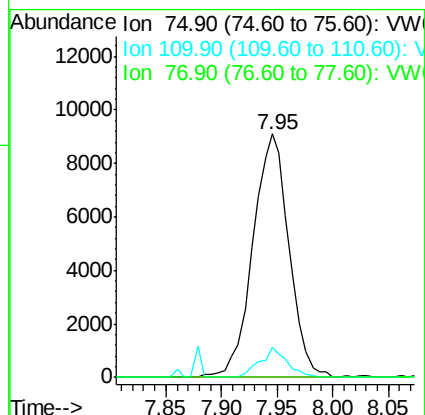
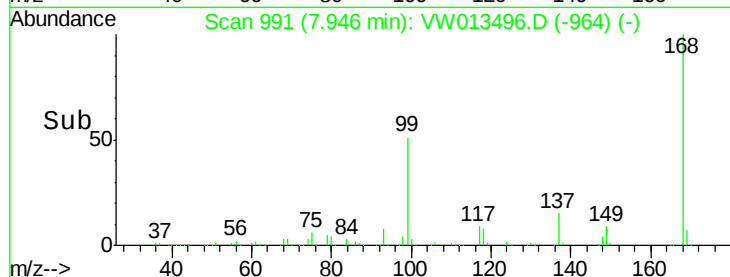
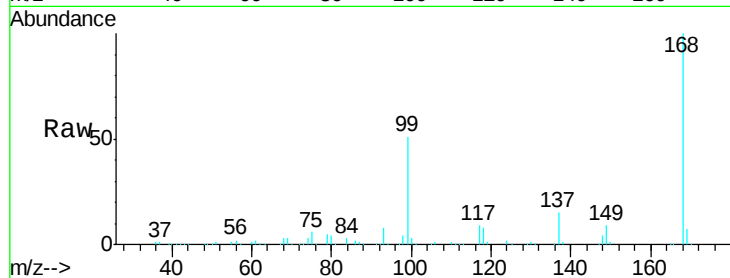
Tgt Ion: 75 Resp: 20549

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.311 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

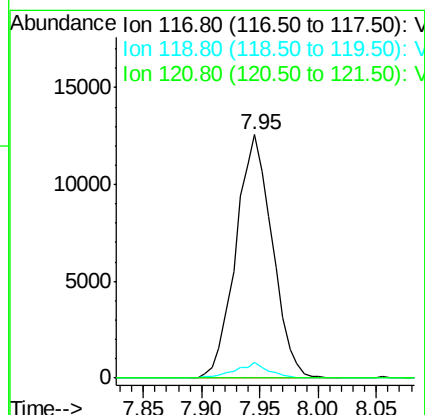
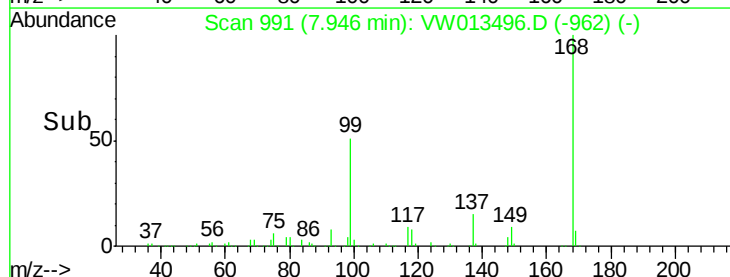
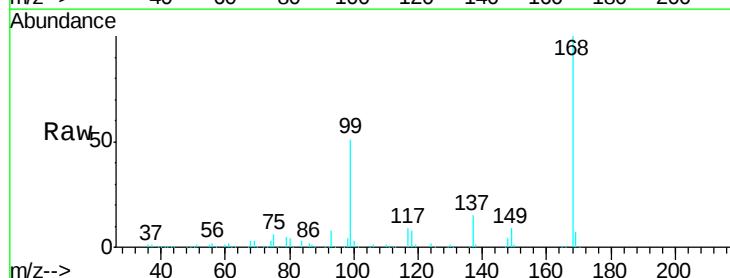
Tgt Ion: 117 Resp: 27389

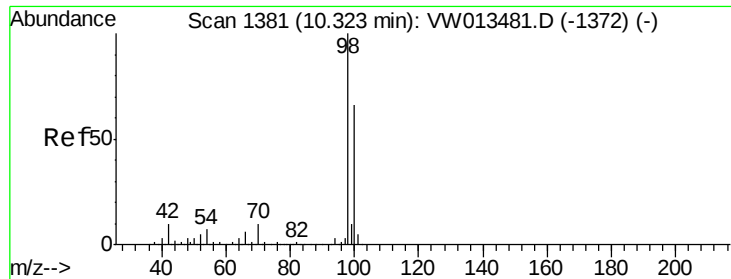
Ion Ratio Lower Upper

117 100

119 6.4 76.3 114.5#

121 0.0 23.6 35.4#

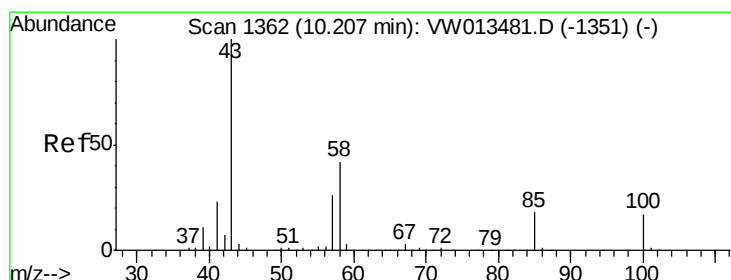
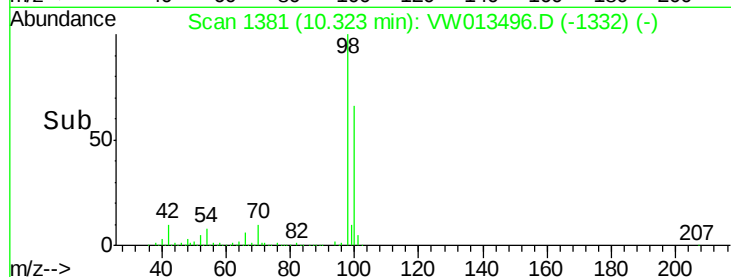
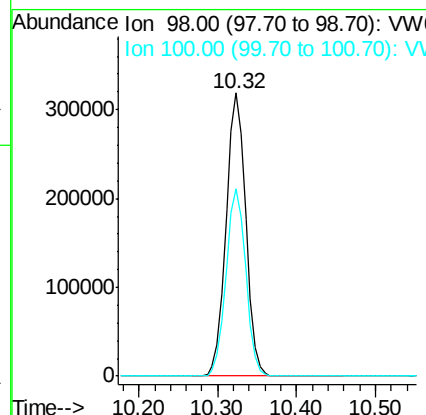
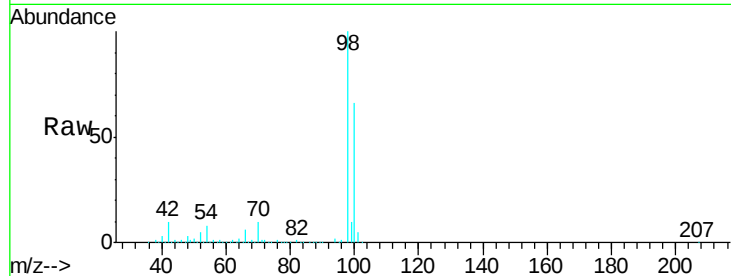




#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013496.D
Acq: 09 Oct 2019 11:42

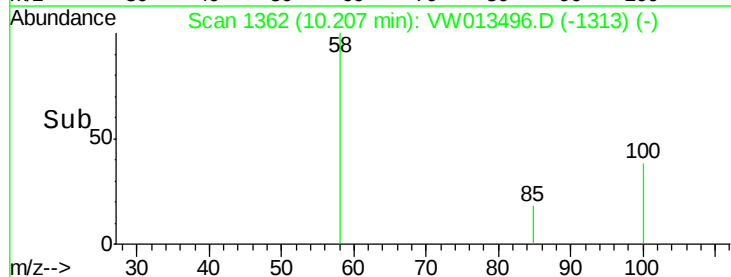
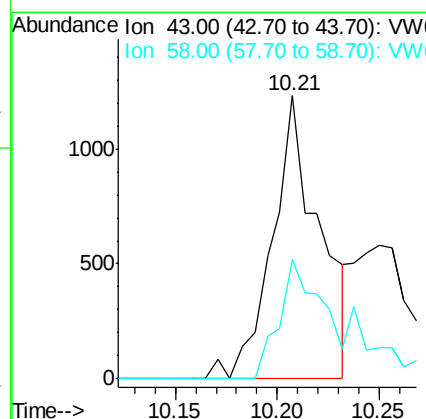
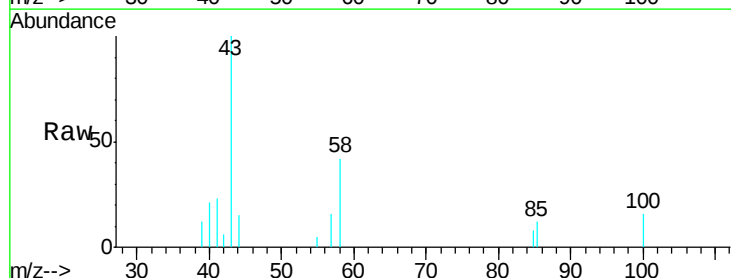
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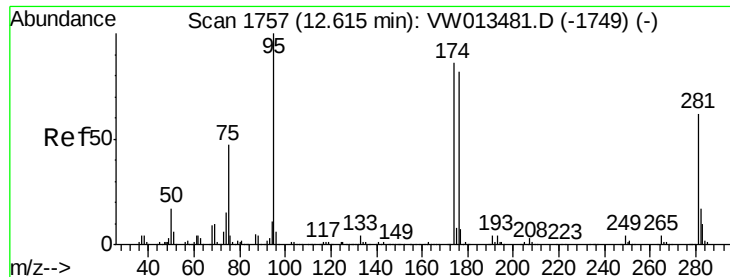
Tgt Ion: 98 Resp: 552933
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.084 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013496.D
Acq: 09 Oct 2019 11:42

Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
58 54.6 32.8 49.2#

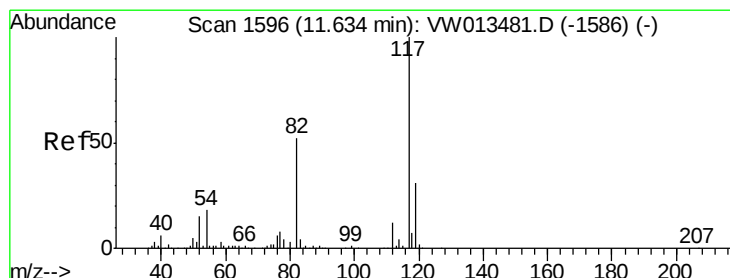
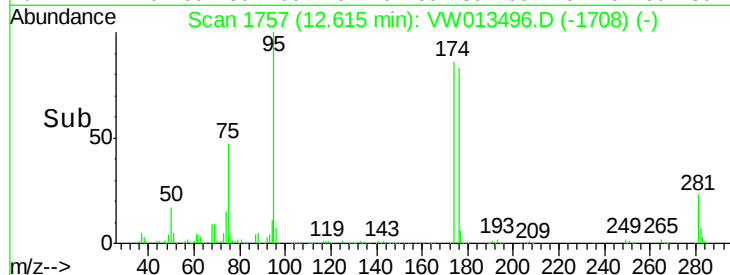
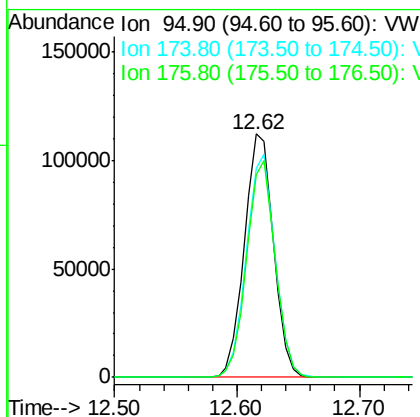
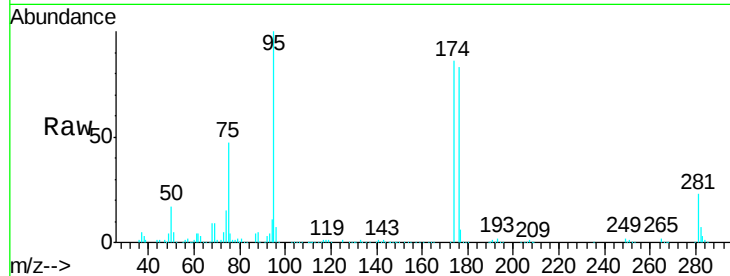




#62
 4-Bromofluorobenzene
 Concen: 50.409 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013496.D
 Acq: 09 Oct 2019 11:42

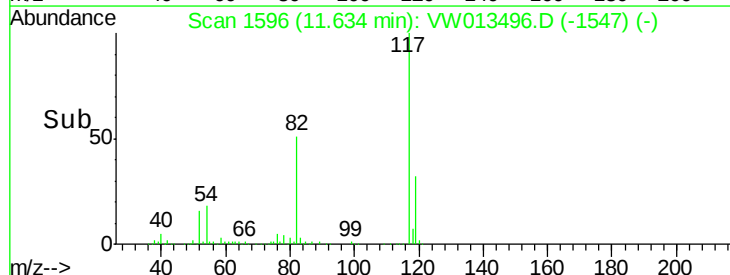
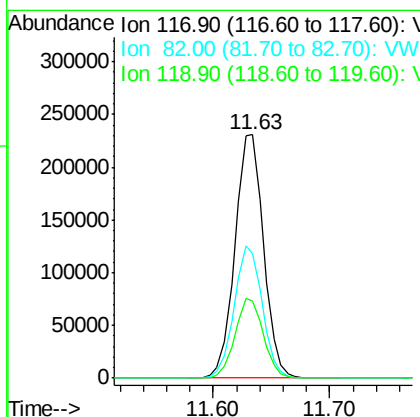
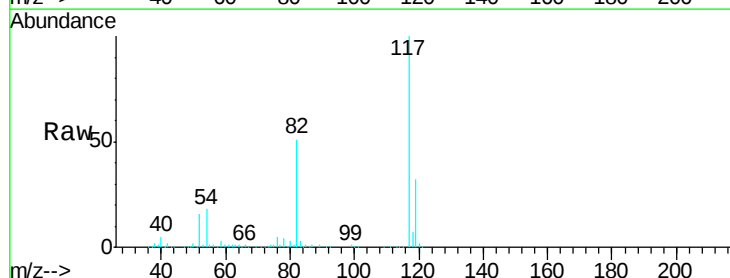
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBL01

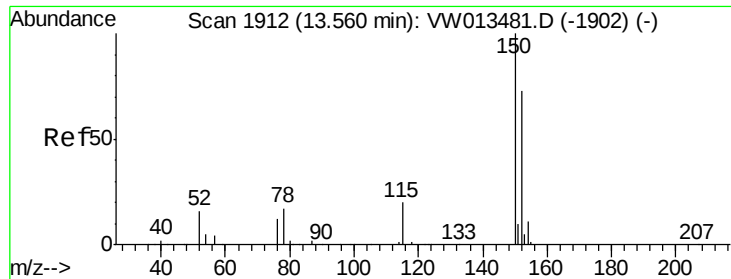
Tgt Ion: 95 Resp: 185681
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 177.4
 176 87.3 0.0 173.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VW013496.D
 Acq: 09 Oct 2019 11:42

Tgt Ion: 117 Resp: 395176
 Ion Ratio Lower Upper
 117 100
 82 51.1 41.4 62.2
 119 32.0 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBL01

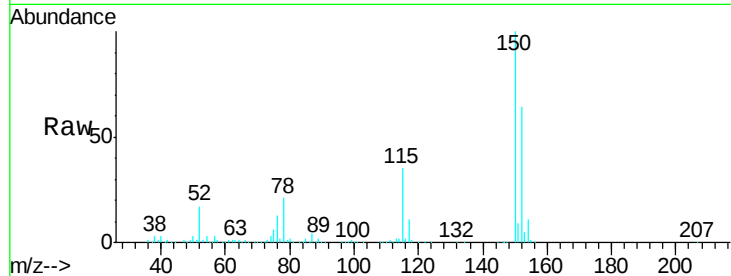
Tgt Ion:152 Resp: 194932

Ion Ratio Lower Upper

152 100

115 54.5 27.0 81.0

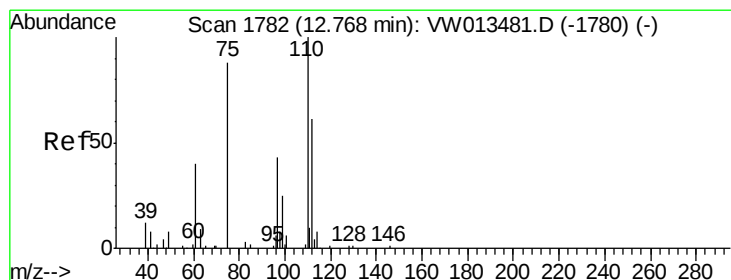
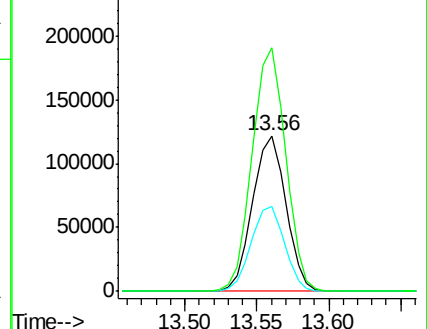
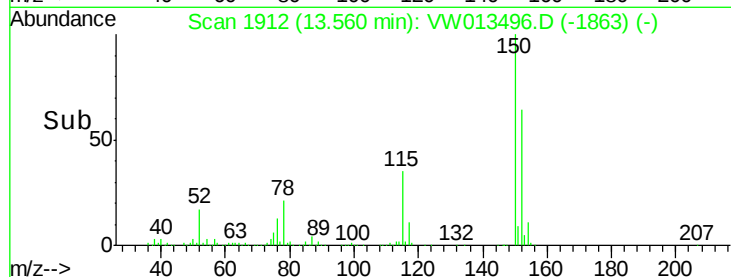
150 157.1 0.0 337.4



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: 53.218 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013496.D

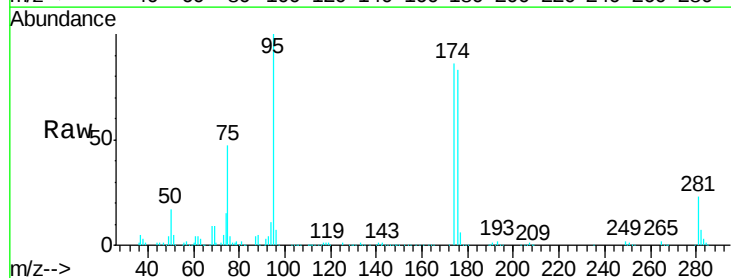
Acq: 09 Oct 2019 11:42

Tgt Ion: 75 Resp: 86399

Ion Ratio Lower Upper

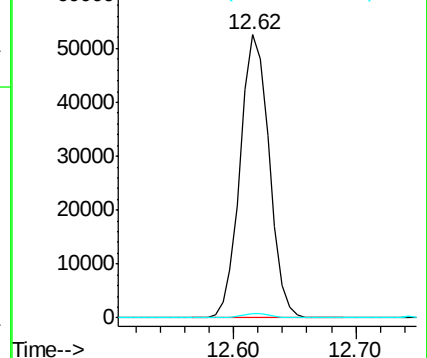
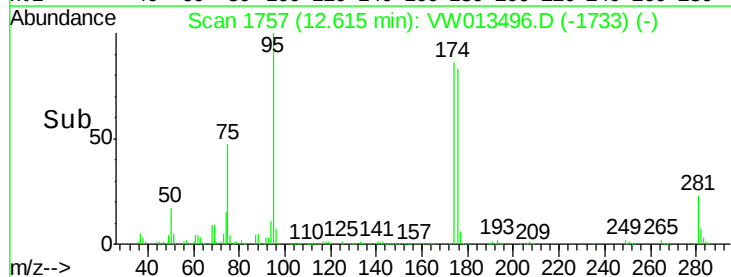
75 100

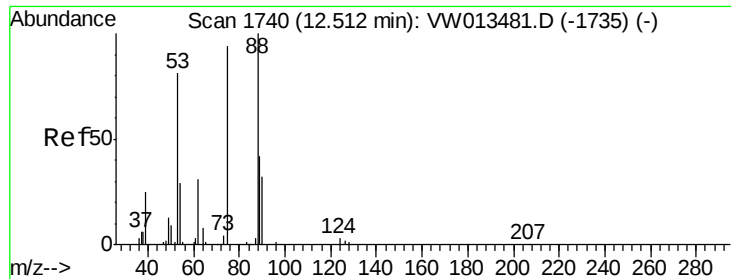
77 1.6 0.0 0.0#



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: 108.785 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013496.D

Acq: 09 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBL01

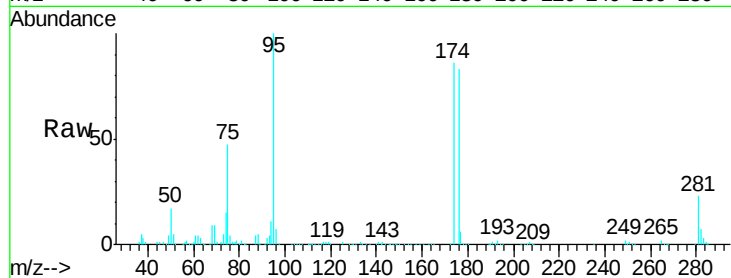
Tgt Ion: 75 Resp: 86399

Ion Ratio Lower Upper

75 100

53 0.0 71.0 106.6#

89 0.0 36.1 54.1#



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

