

Data File : VW012980.D
Acq On : 14 Sep 2019 03:25
Operator : SY/VA
Sample : K4786-07
Misc : 6.41G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP4

Quant Time: Sep 14 04:28:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151042	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	166628	58.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.72%	
35) Dibromofluoromethane	7.88	113	137493	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.32	98	561279	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.62	95	167471	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

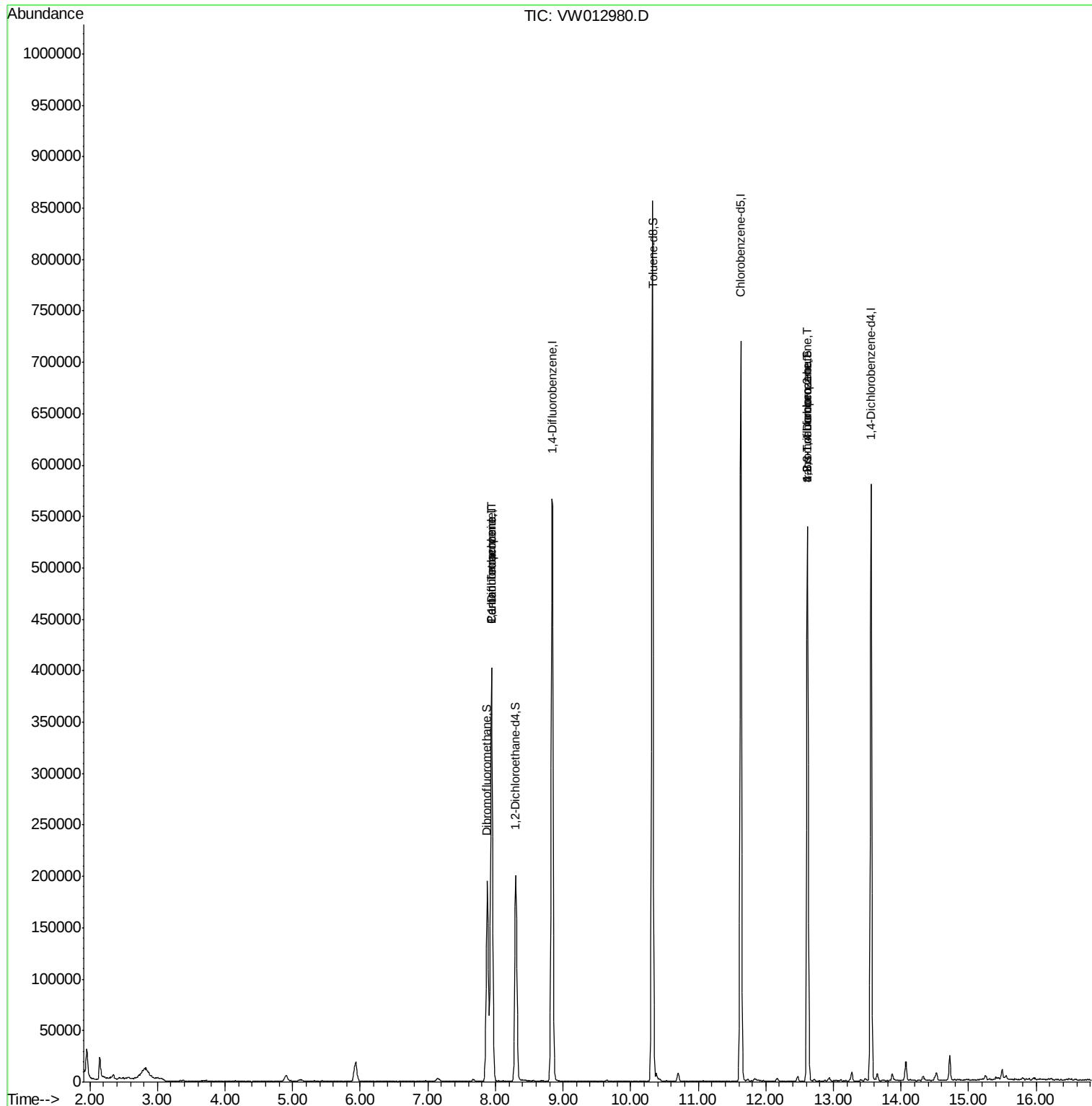
Target Compounds			Qvalue				
3) Chloromethane	2.21	50	609	Below Cal	#	41	
11) Tert butyl alcohol	5.19	59	97	Below Cal	#	72	
13) Acrolein	3.89	56	52	Below Cal	#	15	
16) Acetone	4.10	43	49	Below Cal	#	47	
20) Methylene Chloride	4.91	84	4211	Below Cal	#	82	
26) 2,2-Dichloropropane	7.17	77	81	Below Cal	#	55	
31) Cyclohexane	7.94	56	6431	Below Cal	#	2	
36) 1,1-Dichloropropene	7.94	75	23955	6.328	ug/l #	51	
38) Carbon Tetrachloride	7.94	117	30278	7.805	ug/l #	15	
76) 1,2,3-Trichloropropane	12.62	75	88433	66.842	ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.62	75	88433	151.631	ug/l #	7	

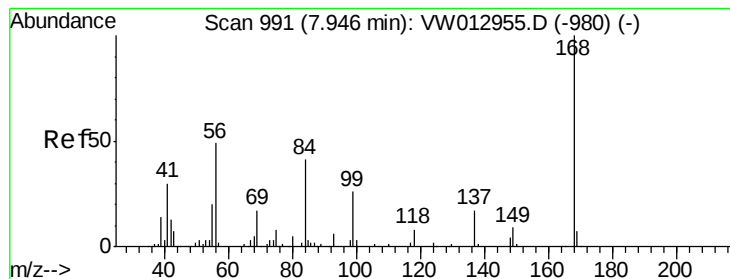
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012980.D
Acq On : 14 Sep 2019 03:25
Operator : SY/VA
Sample : K4786-07
Misc : 6.41G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP4

Quant Time: Sep 14 04:28:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

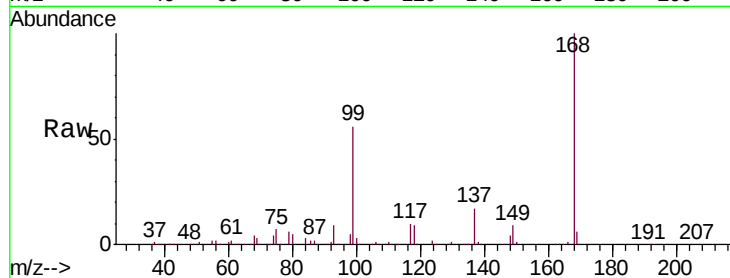
TP4

Tgt Ion:168 Resp: 309156

Ion Ratio Lower Upper

168 100

99 55.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

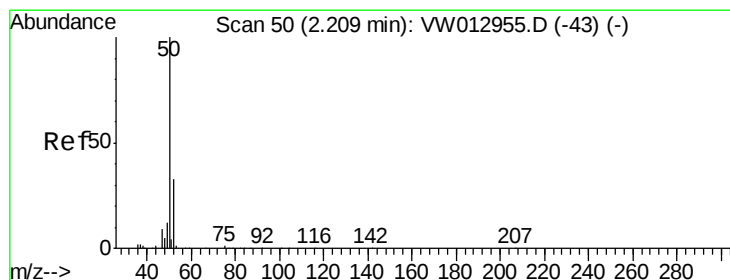
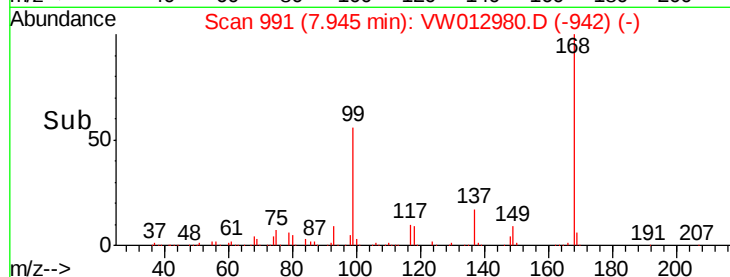
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012980.D

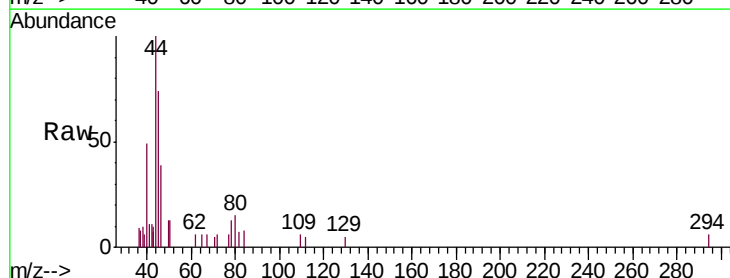
Acq: 14 Sep 2019 03:25

Tgt Ion: 50 Resp: 609

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

300

250

200

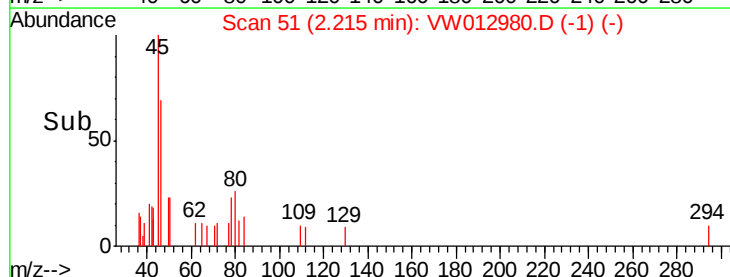
150

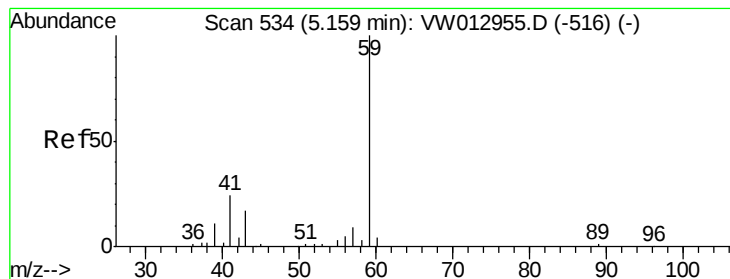
100

50

0

Time--> 2.15 2.20 2.25



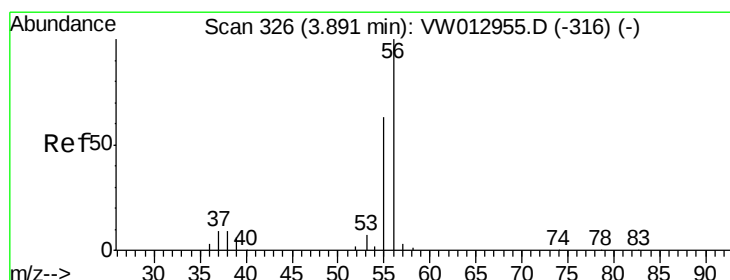
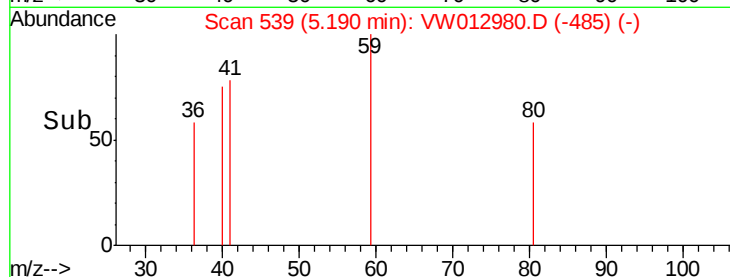
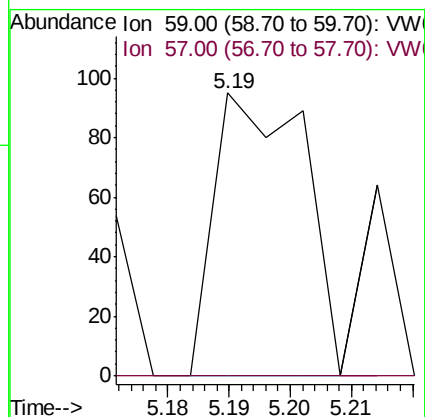
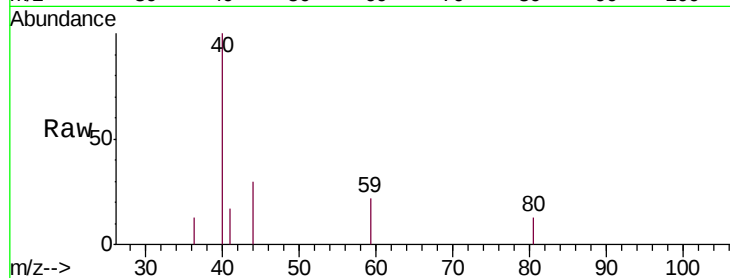


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW012980.D
 Acq: 14 Sep 2019 03:25

Instrument :
 MSVOA_W
 ClientSampled :
 TP4

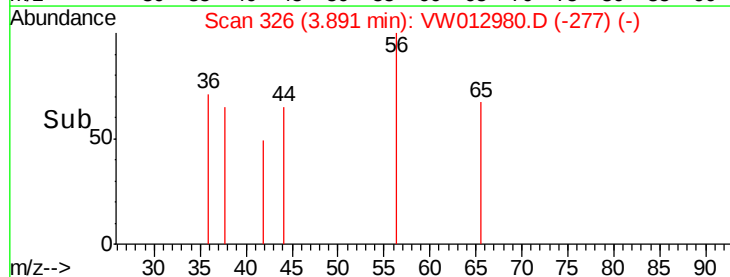
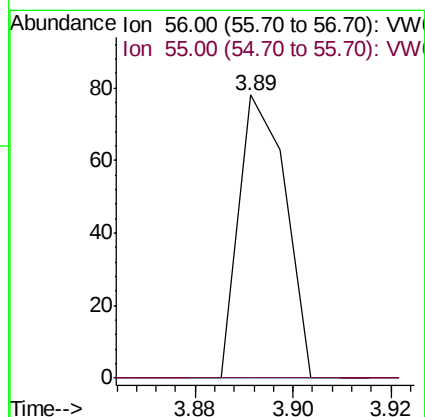
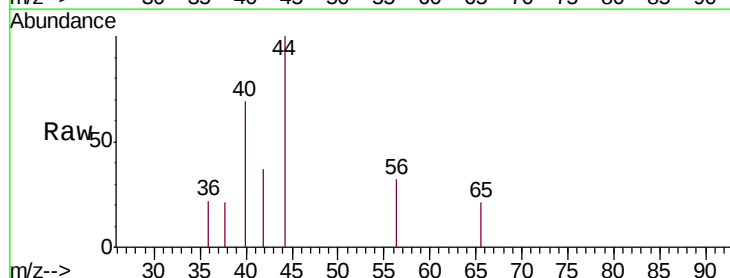
Tgt Ion: 59 Resp: 97
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

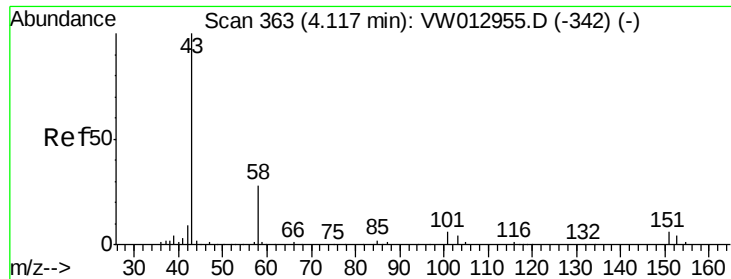


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW012980.D
 Acq: 14 Sep 2019 03:25

Tgt Ion: 56 Resp: 52
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

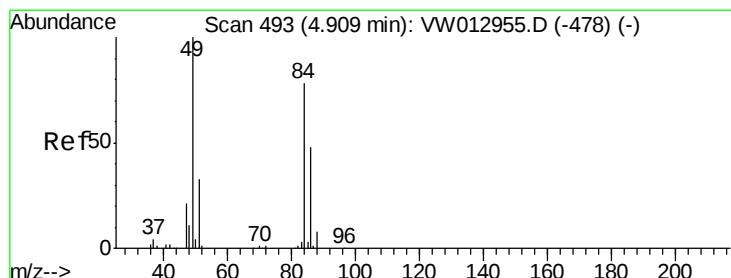
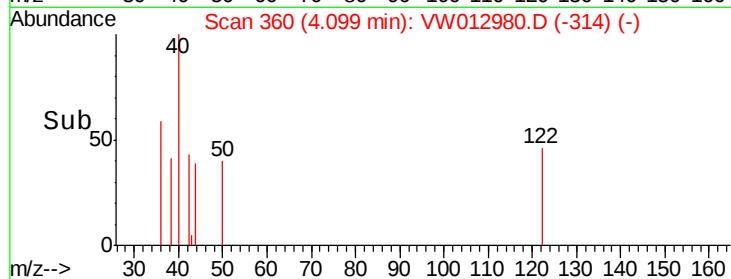
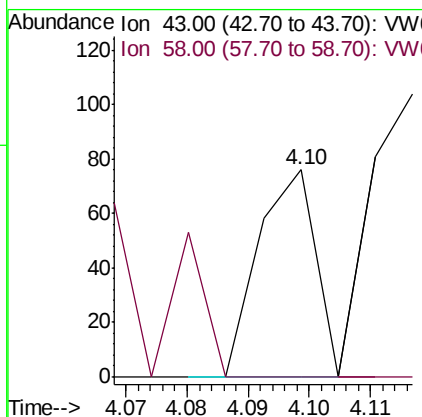
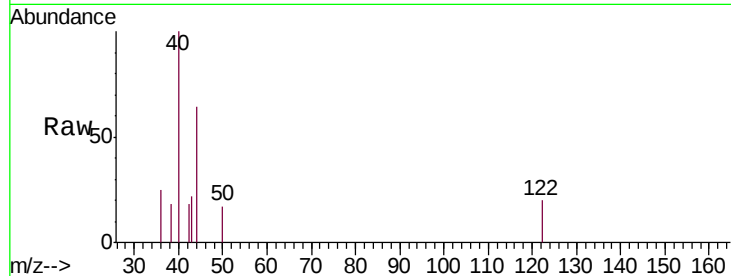




#16
Acetone
Concen: Below Cal
RT: 4.10 min Scan# 360
Delta R.T. -0.02 min
Lab File: VW012980.D
Acq: 14 Sep 2019 03:25

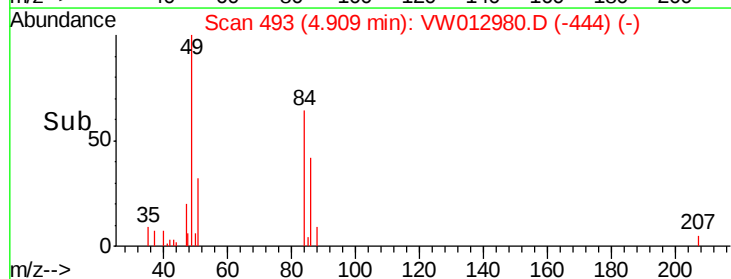
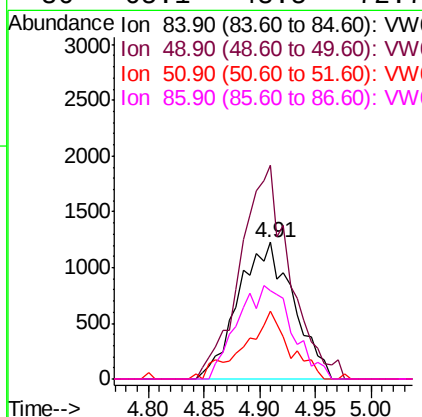
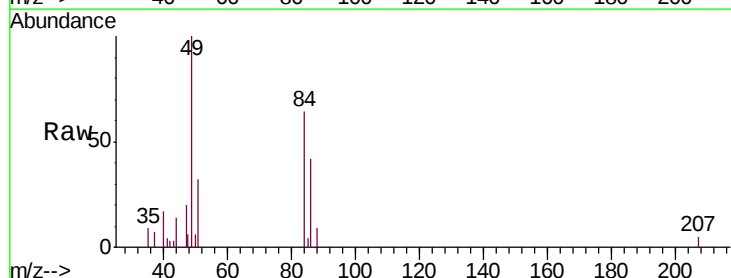
Instrument :
MSVOA_W
ClientSampleId :
TP4

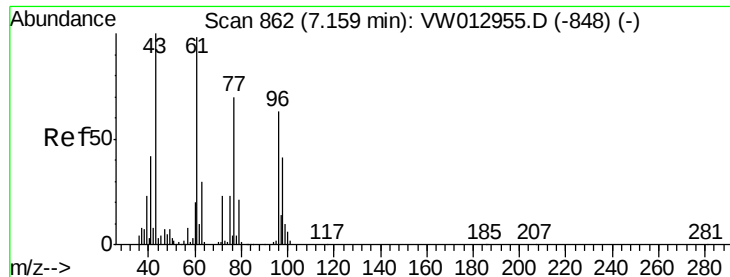
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012980.D
Acq: 14 Sep 2019 03:25

Tgt Ion: 84 Resp: 4211
Ion Ratio Lower Upper
84 100
49 156.5 102.0 153.0#
51 49.4 34.0 51.0
86 65.1 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

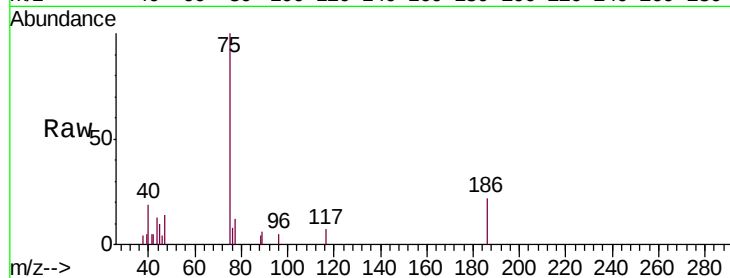
TP4

Tgt Ion: 77 Resp: 81

Ion Ratio Lower Upper

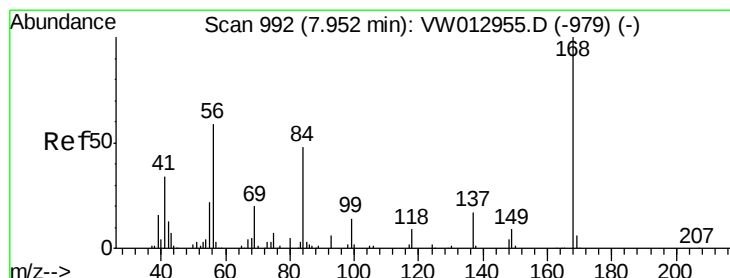
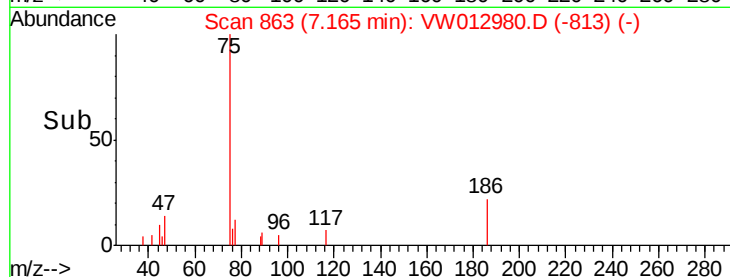
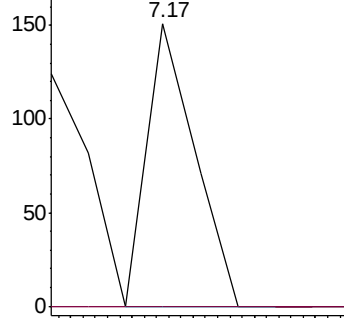
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

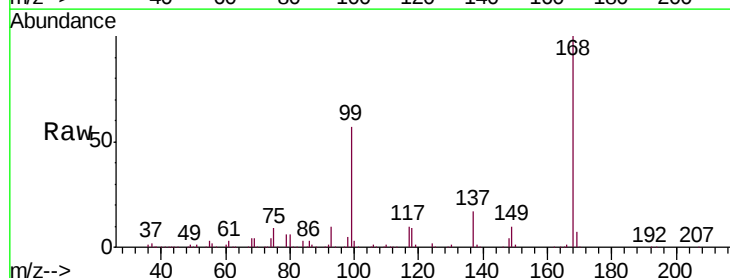
Tgt Ion: 56 Resp: 6431

Ion Ratio Lower Upper

56 100

69 169.1 27.0 40.6#

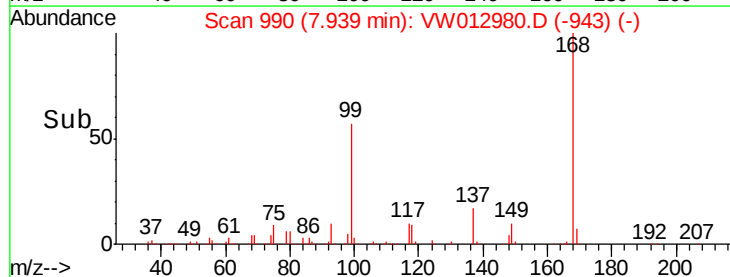
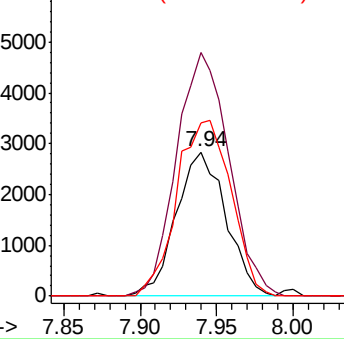
84 120.2 66.2 99.2#

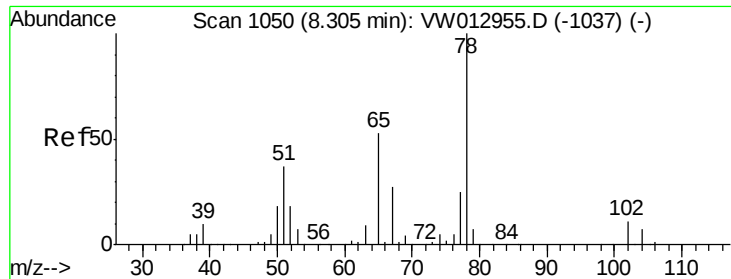


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 58.358 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

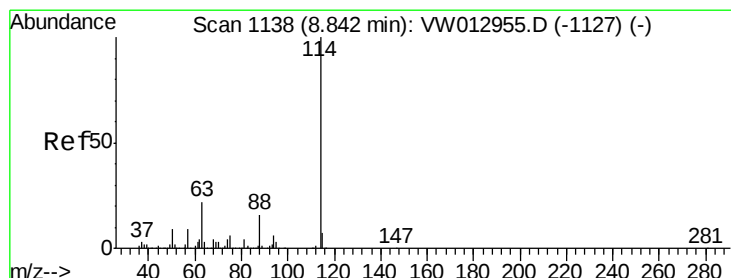
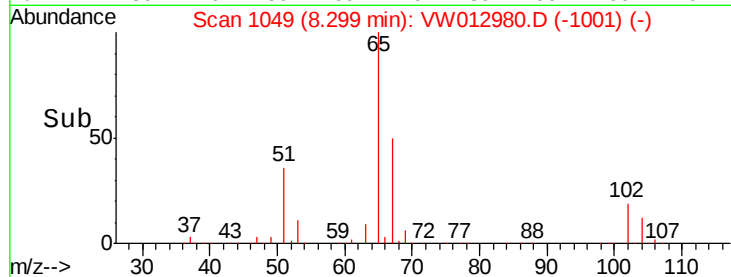
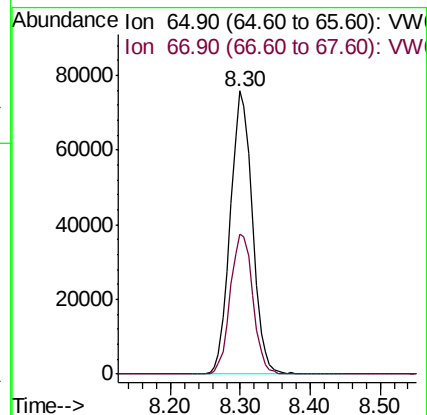
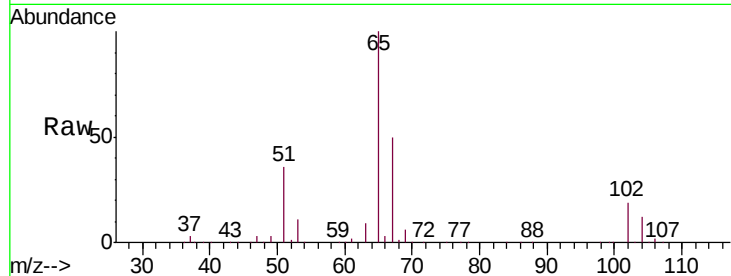
TP4

Tgt Ion: 65 Resp: 166628

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

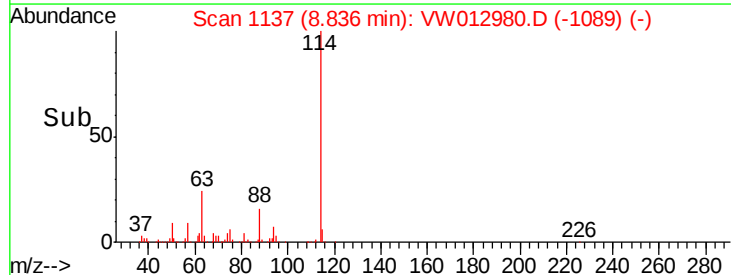
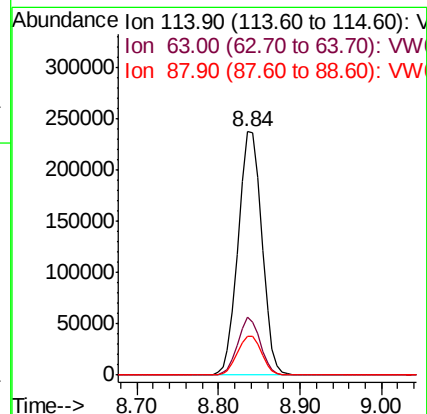
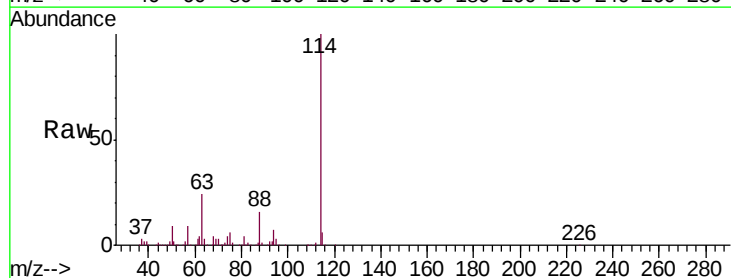
Tgt Ion: 114 Resp: 473699

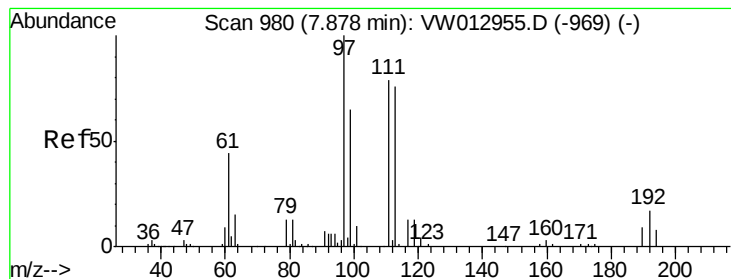
Ion Ratio Lower Upper

114 100

63 23.6 0.0 43.4

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.492 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampled :

TP4

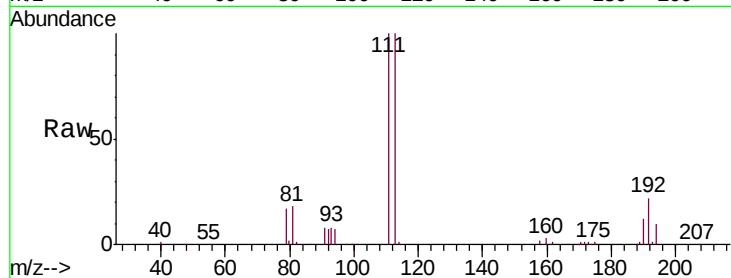
Tgt Ion:113 Resp: 137493

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

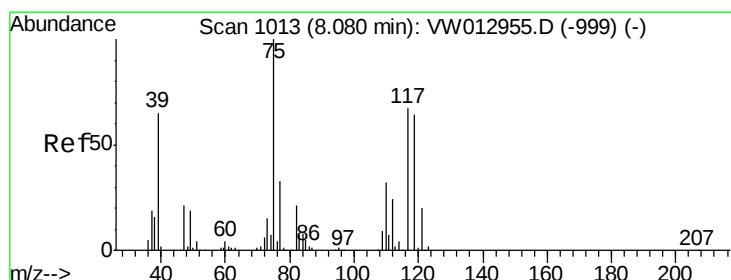
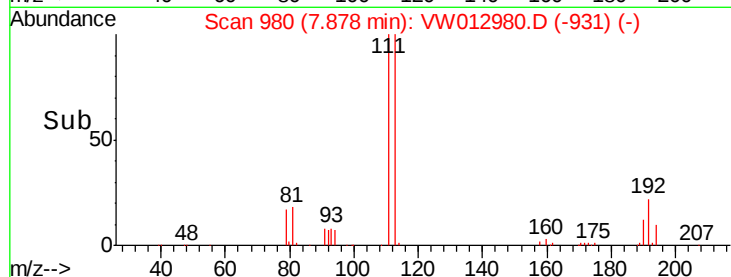
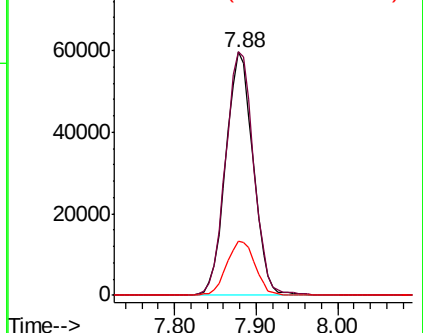
192 23.2 17.8 26.8



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: 6.328 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

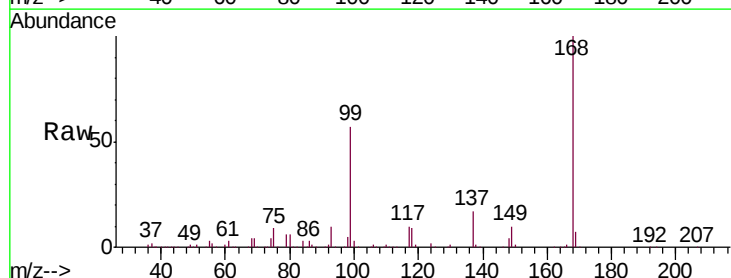
Tgt Ion: 75 Resp: 23955

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

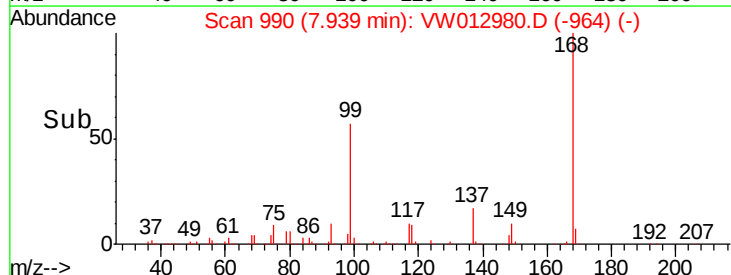
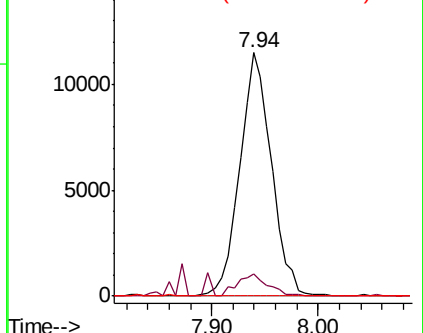
77 0.0 25.1 37.7#

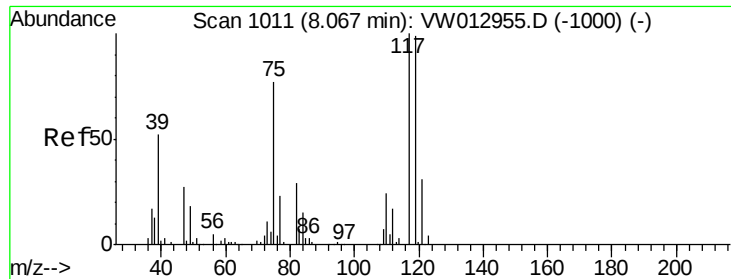


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.805 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampled :

TP4

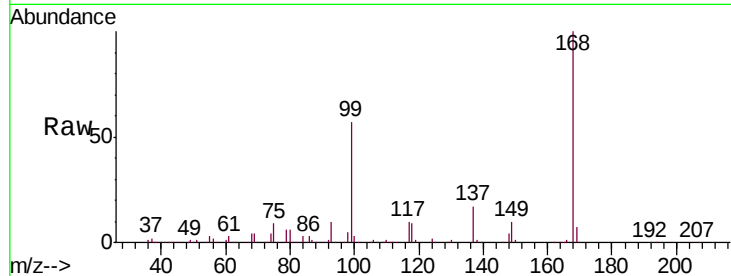
Tgt Ion:117 Resp: 30278

Ion Ratio Lower Upper

117 100

119 6.0 79.4 119.0#

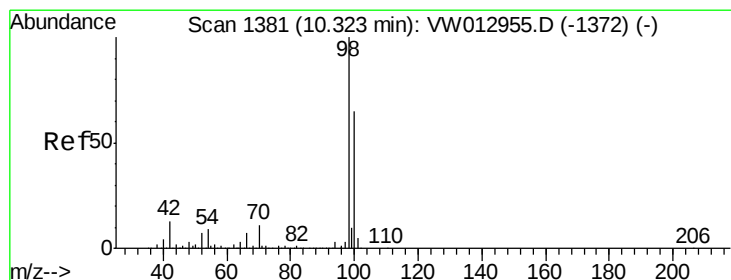
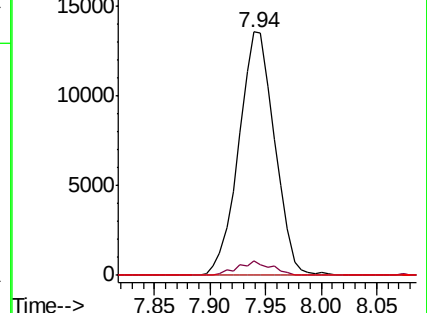
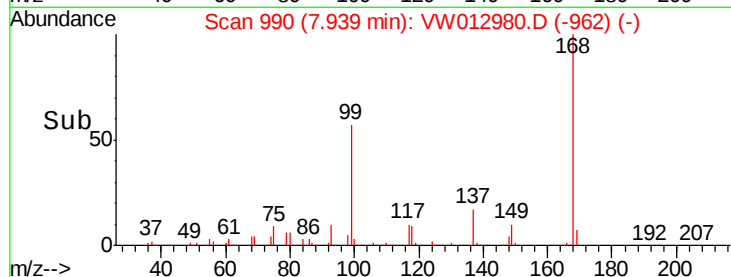
121 0.0 24.6 36.8#



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: 55.804 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012980.D

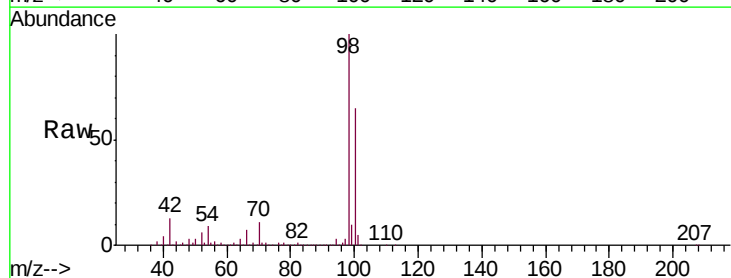
Acq: 14 Sep 2019 03:25

Tgt Ion: 98 Resp: 561279

Ion Ratio Lower Upper

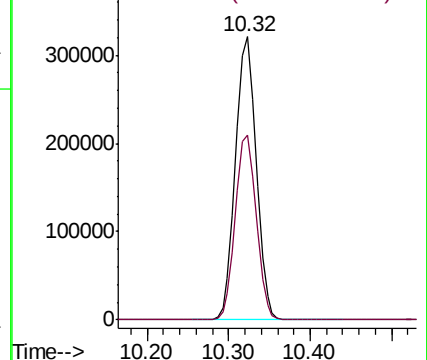
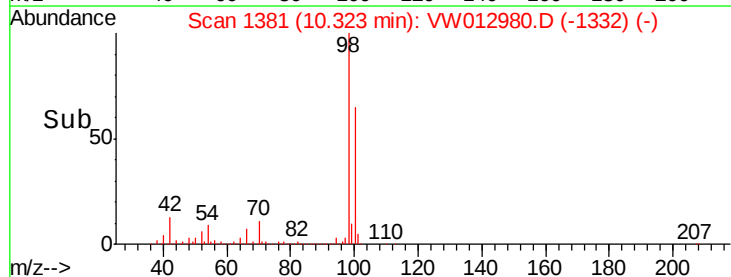
98 100

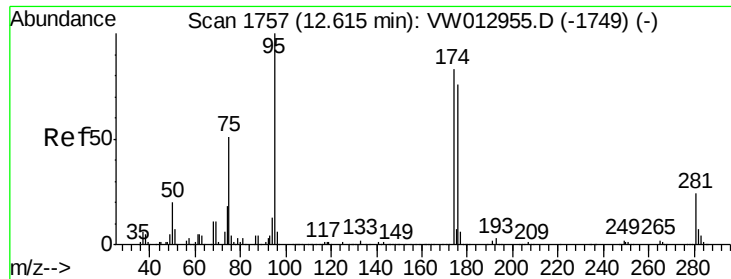
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

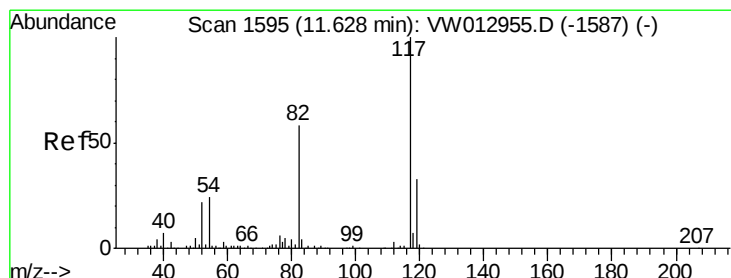
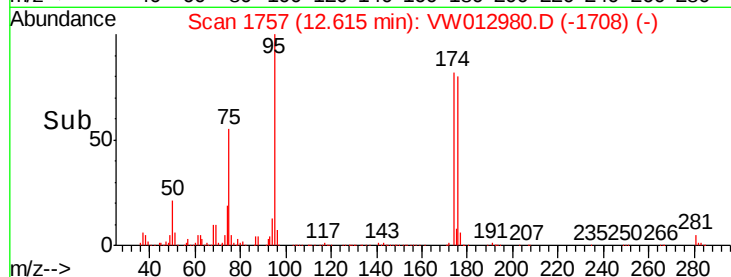
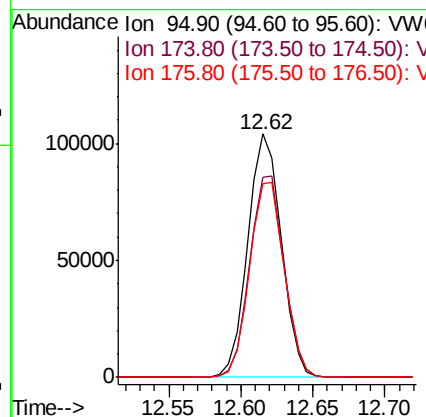
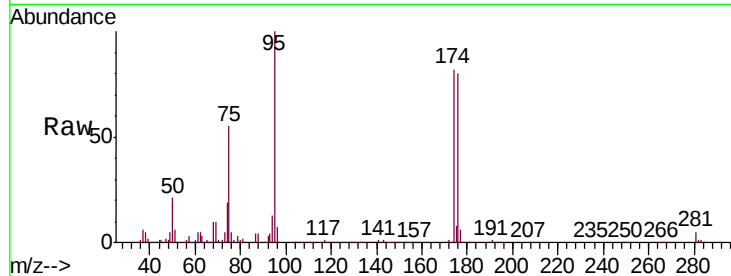




#62
4-Bromofluorobenzene
Concen: 46.305 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012980.D
Acq: 14 Sep 2019 03:25

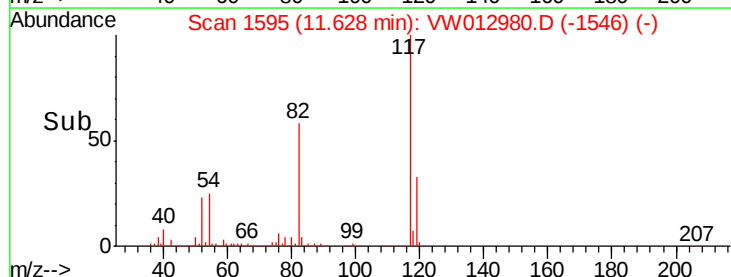
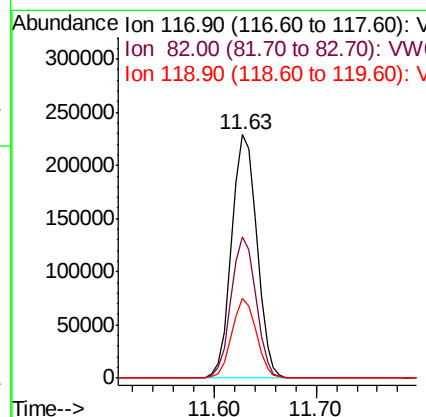
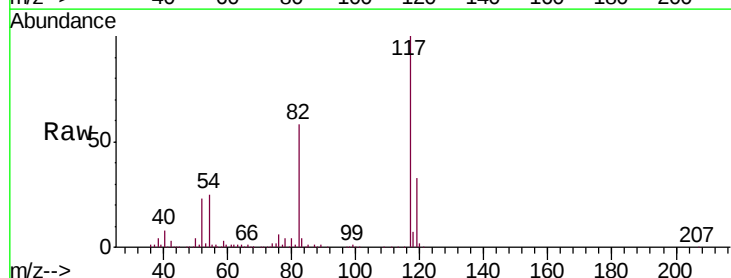
Instrument :
MSVOA_W
ClientSampled :
TP4

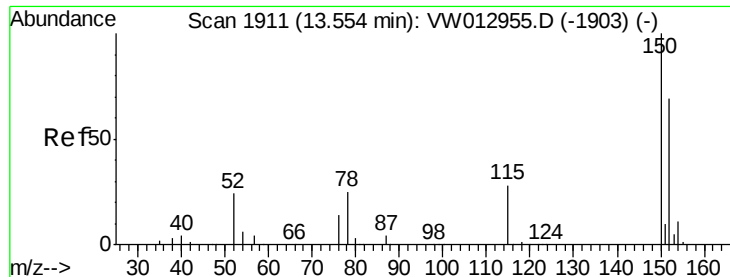
Tgt Ion: 95 Resp: 167471
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.4
176 82.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012980.D
Acq: 14 Sep 2019 03:25

Tgt Ion: 117 Resp: 391465
Ion Ratio Lower Upper
117 100
82 58.2 46.3 69.5
119 32.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

TP4

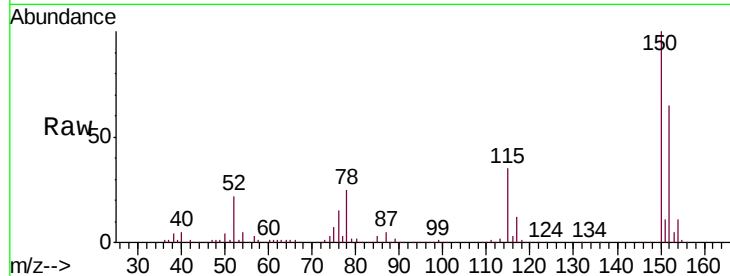
Tgt Ion:152 Resp: 151042

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

150 158.5 0.0 340.2



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

200000

150000

100000

50000

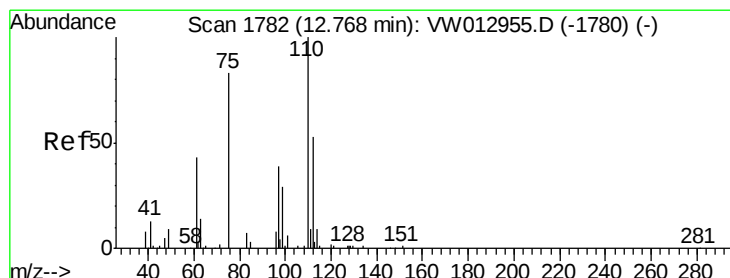
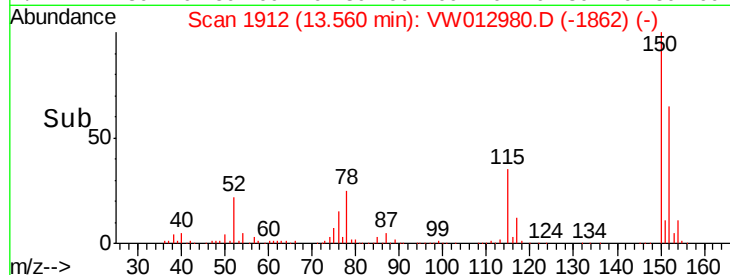
0

13.56

13.50

13.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 66.842 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012980.D

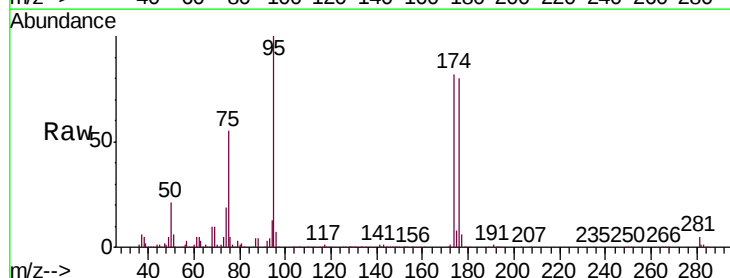
Acq: 14 Sep 2019 03:25

Tgt Ion: 75 Resp: 88433

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

60000

40000

20000

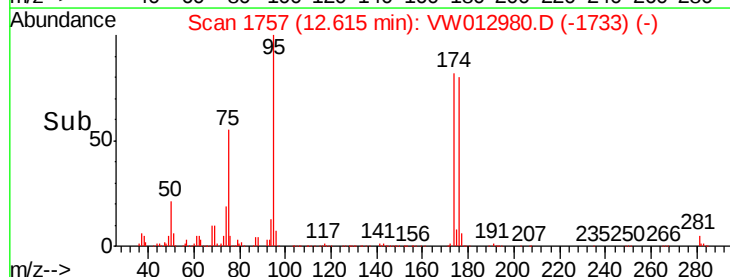
0

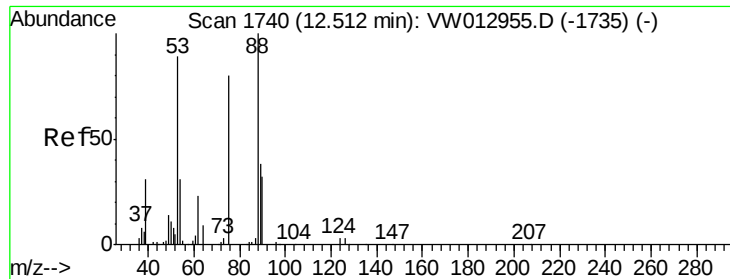
12.62

12.50

12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 151.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012980.D

Acq: 14 Sep 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

TP4

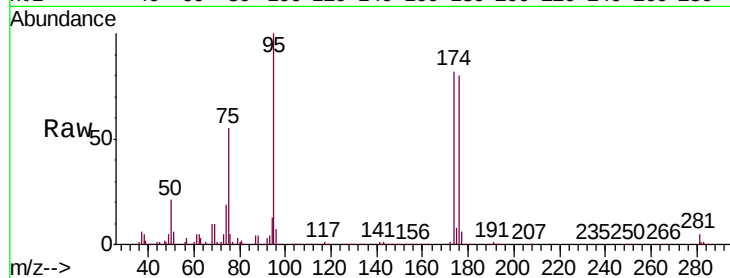
Tgt Ion: 75 Resp: 88433

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

