

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013294.D
 Acq On : 25 Sep 2019 12:34
 Operator : SY/VA
 Sample : K4657-04RE
 Misc : 5.49G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:20:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

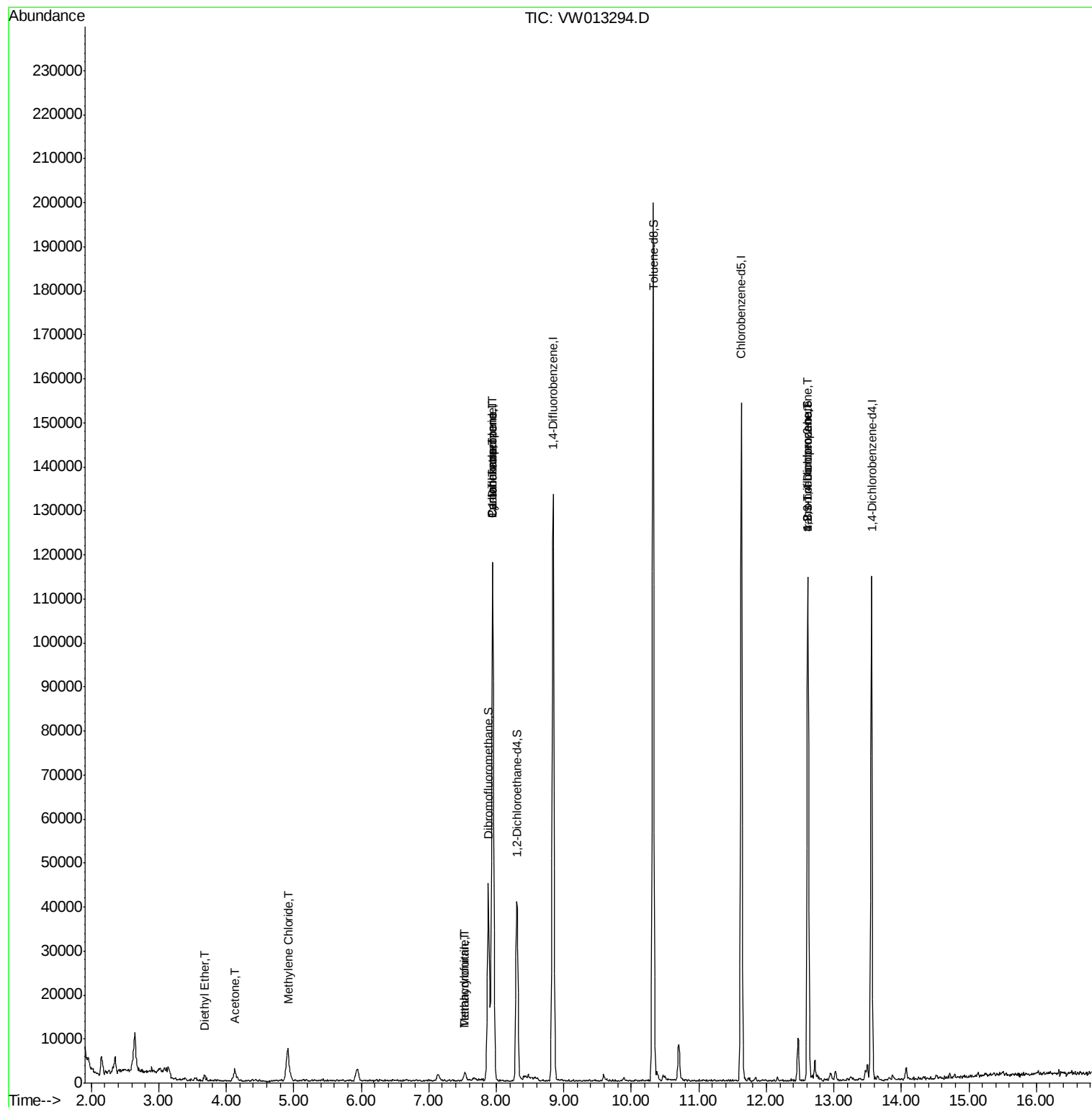
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	92525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	31387	40.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.26%	
35) Dibromofluoromethane	7.88	113	32565	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.32	98	134075	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	36227	38.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	629	1.394	ug/l	88
11) Tert butyl alcohol	5.14	59	50	Below Cal	#	73
16) Acetone	4.13	43	4274	24.232	ug/l #	82
20) Methylene Chloride	4.92	84	5329	3.188	ug/l #	87
26) 2,2-Dichloropropane	7.18	77	21	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	1711	10.537	ug/l	93
31) Cyclohexane	7.95	56	1829	1.079	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	6527	5.689	ug/l #	48
38) Carbon Tetrachloride	7.95	117	8356	8.124	ug/l #	20
41) Methacrylonitrile	7.54	41	1066	3.663	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	16572	59.060	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16572	132.525	ug/l #	12

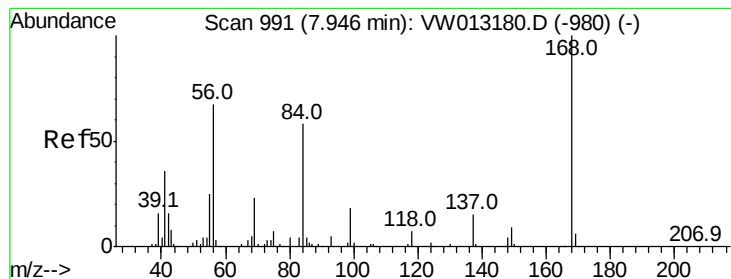
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092519\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

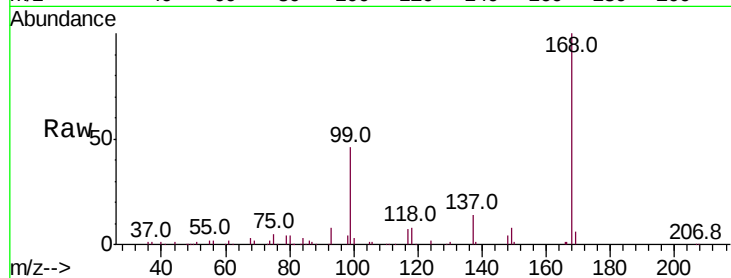
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 95830

Ion Ratio Lower Upper

168 100

99 45.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

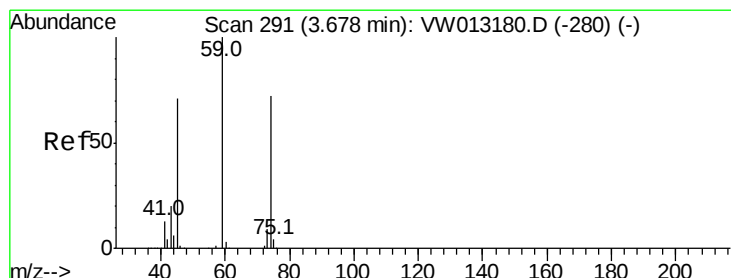
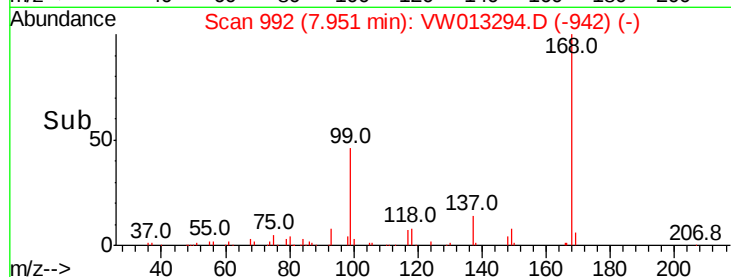
20000

10000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 1.394 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW013294.D

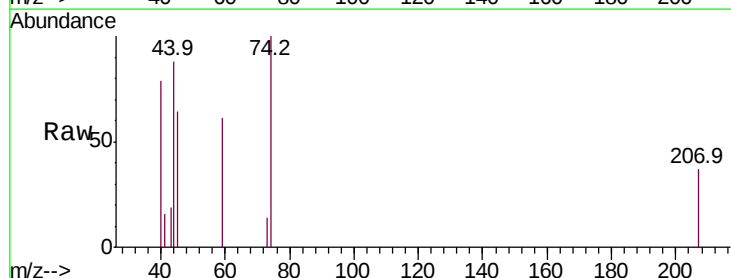
Acq: 25 Sep 2019 12:34

Tgt Ion: 74 Resp: 629

Ion Ratio Lower Upper

74 100

45 111.1 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

300

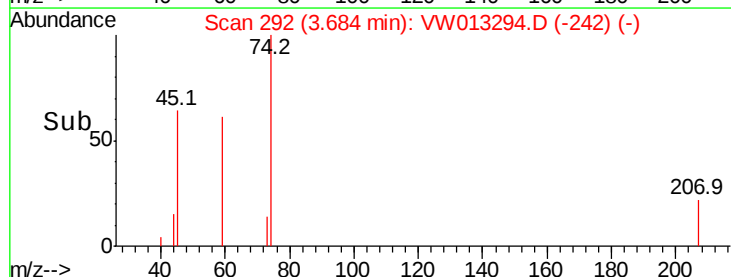
200

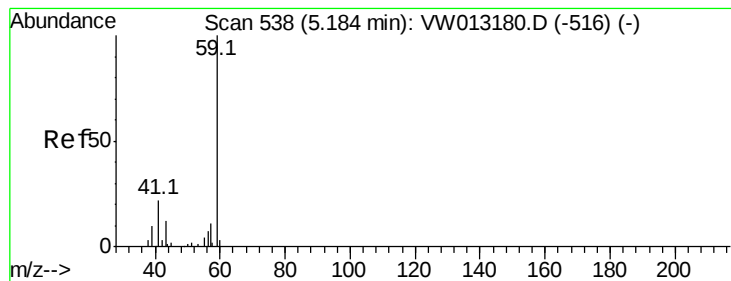
100

0

3.65 3.70

Time-->



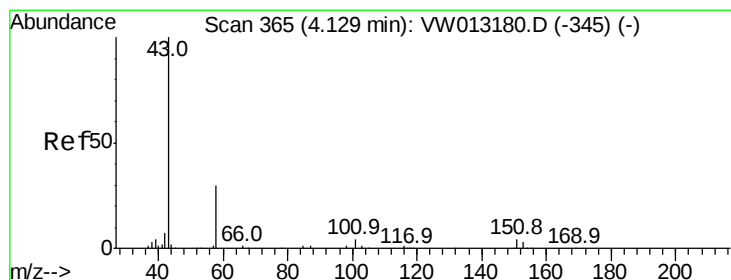
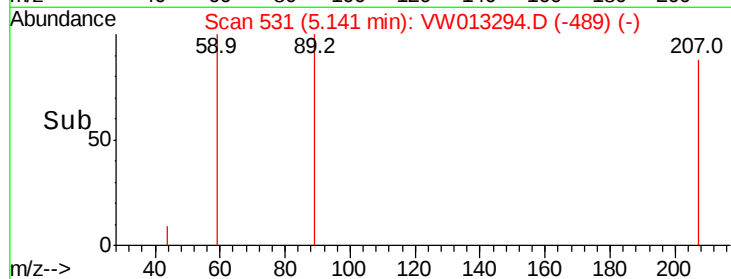
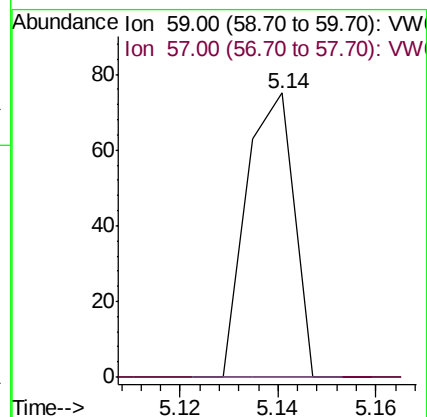
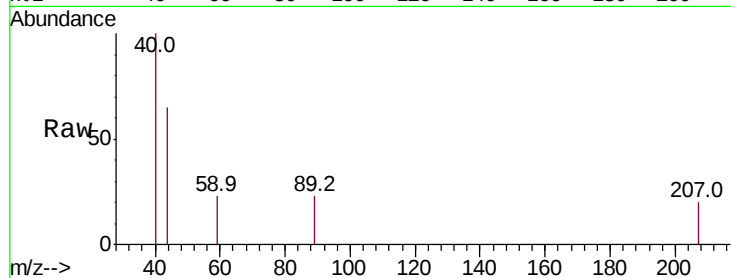


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.14 min Scan# 531
 Delta R.T. -0.04 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :

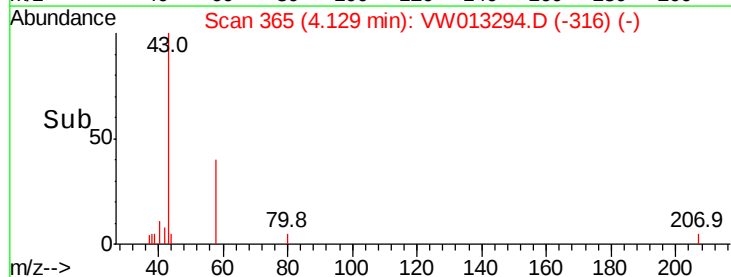
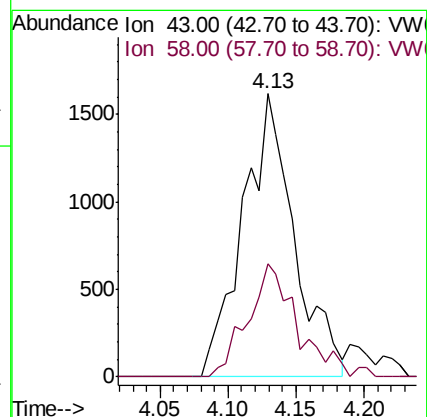
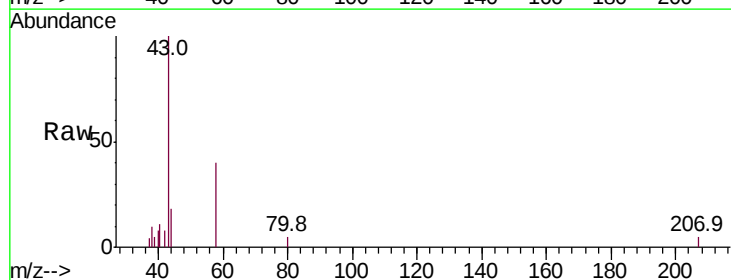
Tot Ion: 59 Resp: 50
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

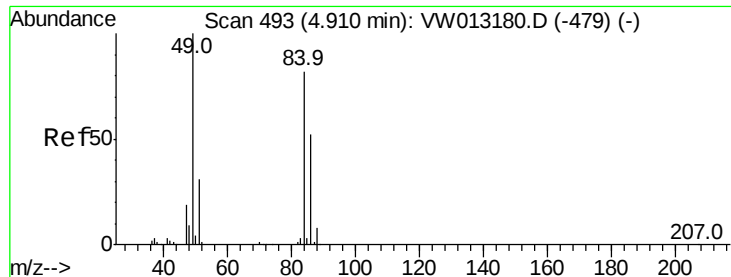


#16

Acetone
 Concen: 24.232 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

Tgt Ion: 43 Resp: 4274
 Ion Ratio Lower Upper
 43 100
 58 39.8 24.1 36.1#

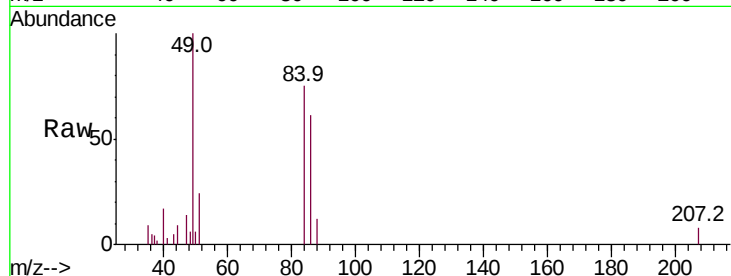




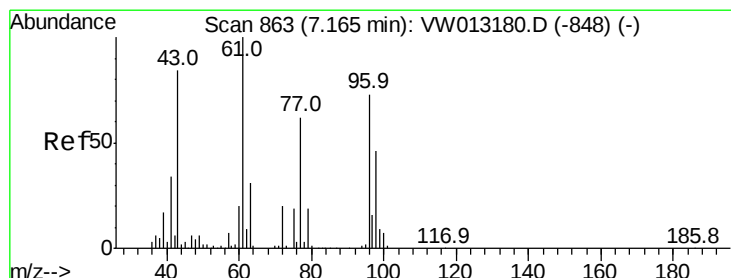
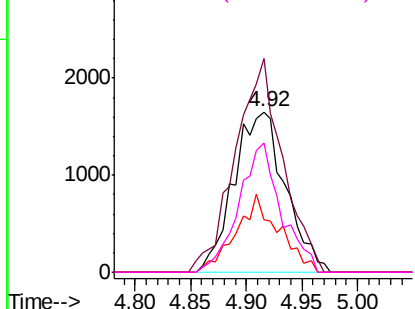
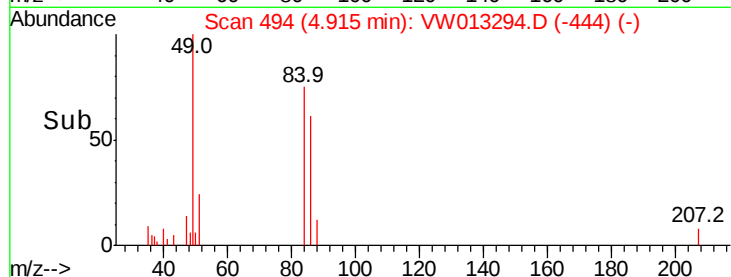
#20
Methylene Chloride
Concen: 3.188 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013294.D
Acq: 25 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 5329
Ion Ratio Lower Upper
84 100
49 133.0 97.6 146.4
51 32.5 30.2 45.2
86 80.6 50.6 76.0#

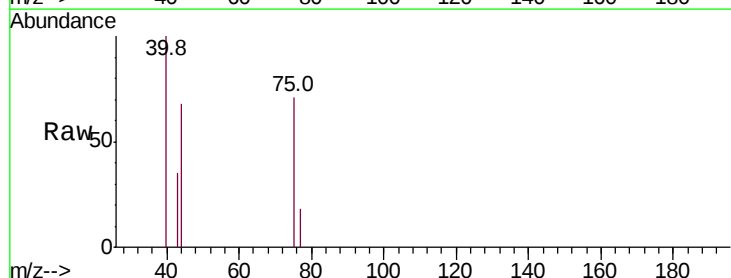


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

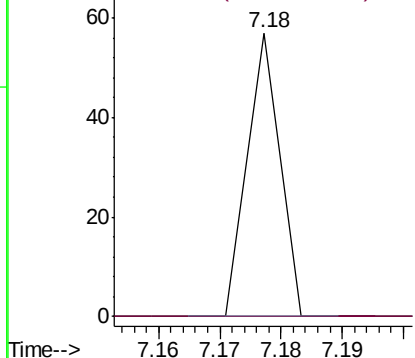
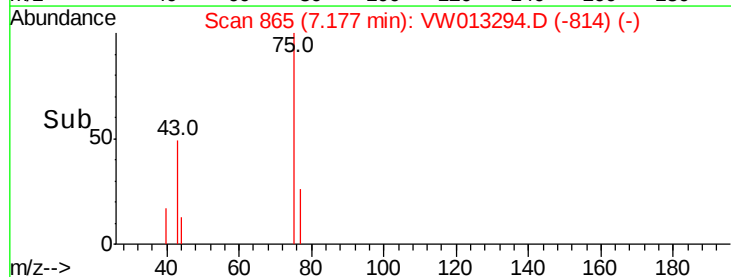


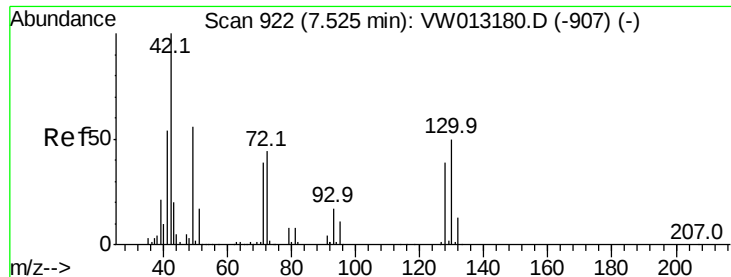
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013294.D
Acq: 25 Sep 2019 12:34

Tgt Ion: 77 Resp: 21
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 10.537 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

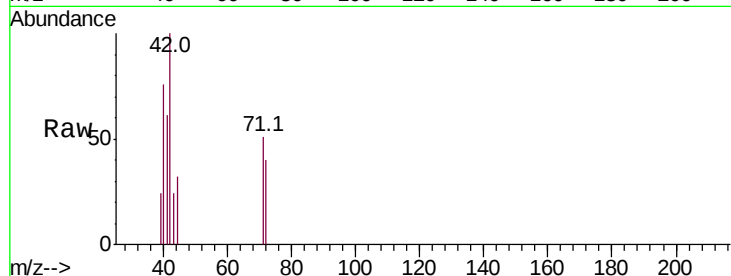
Tot Ion: 42 Resp: 1711

Ion Ratio Lower Upper

42 100

72 34.2 33.9 50.9

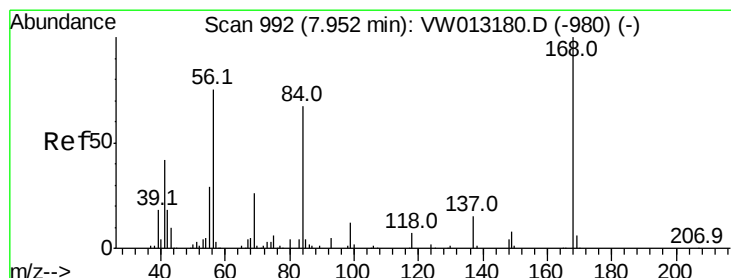
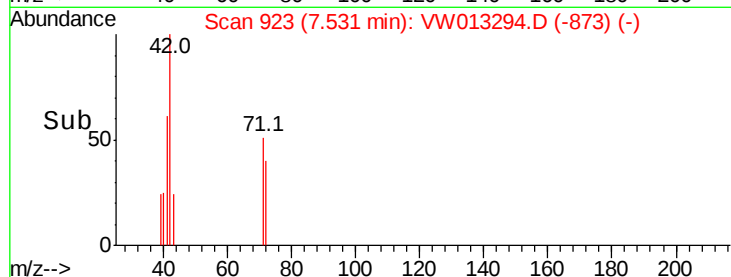
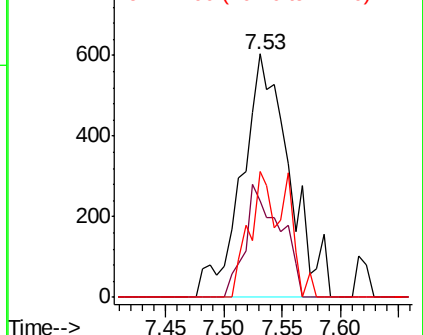
71 39.6 31.9 47.9



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: 1.079 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

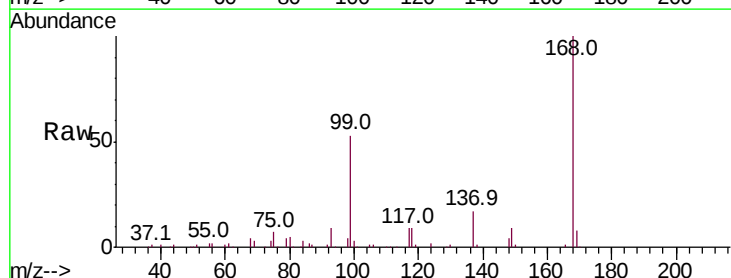
Tgt Ion: 56 Resp: 1829

Ion Ratio Lower Upper

56 100

69 166.9 27.2 40.8#

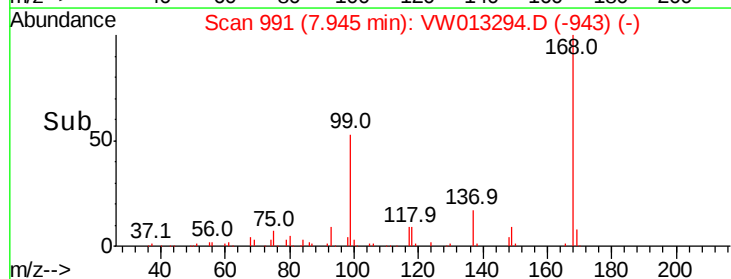
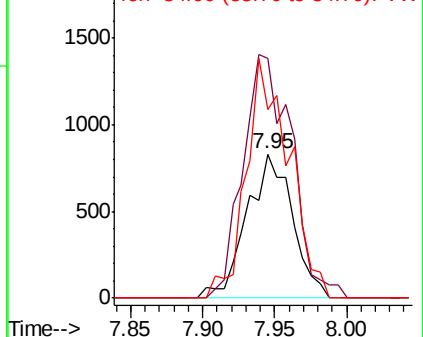
84 130.9 70.8 106.2#

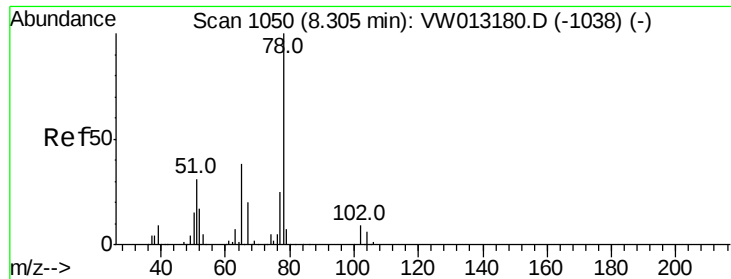


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 40.131 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

Instrument :

MSVOA_W

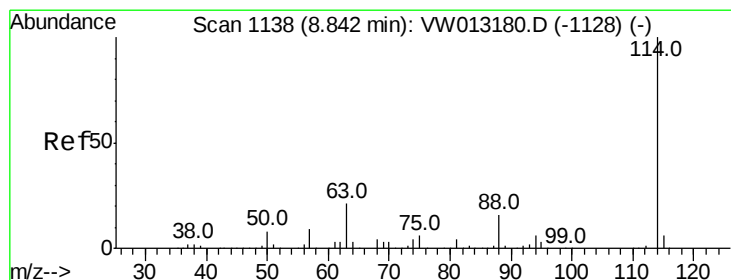
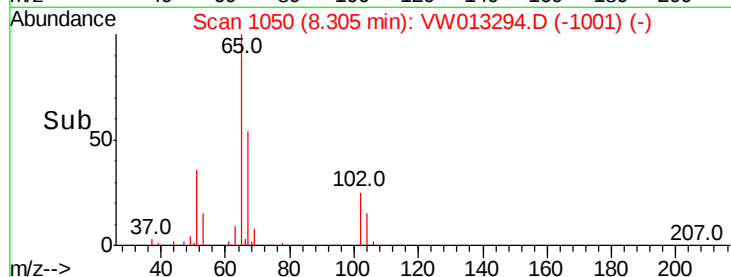
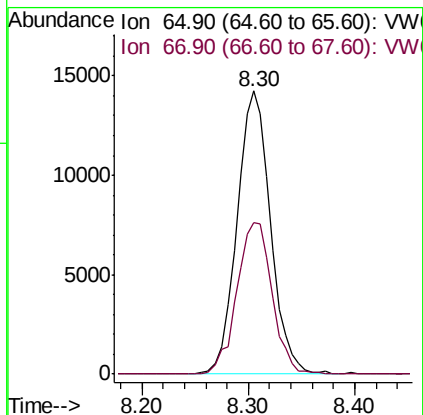
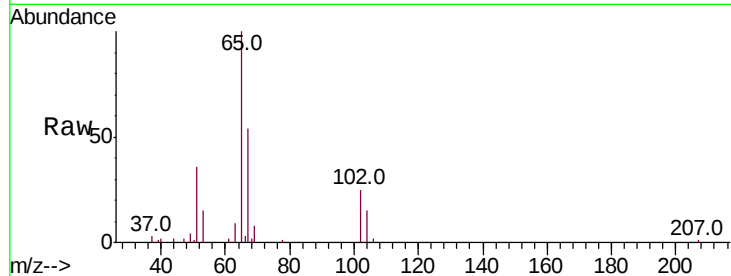
ClientSampleId :

Tot Ion: 65 Resp: 31387

Ion Ratio Lower Upper

65 100

67 56.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

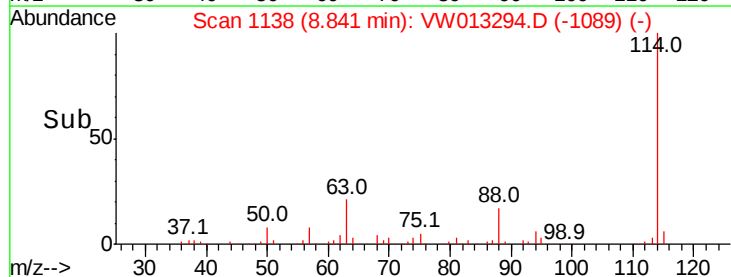
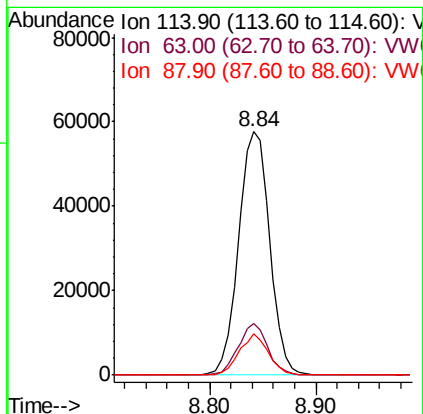
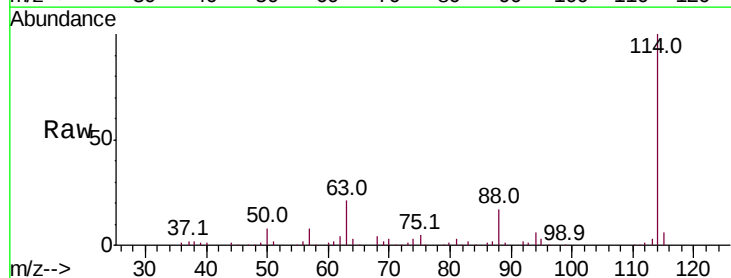
Tgt Ion: 114 Resp: 118458

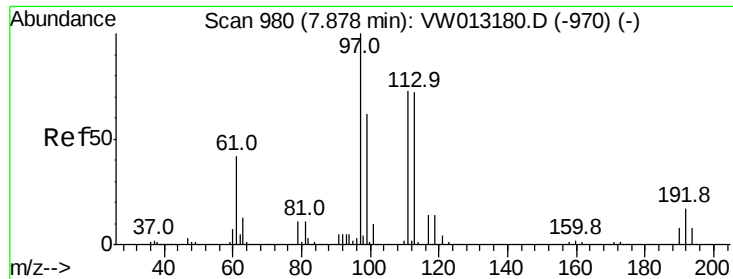
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

88 17.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.983 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

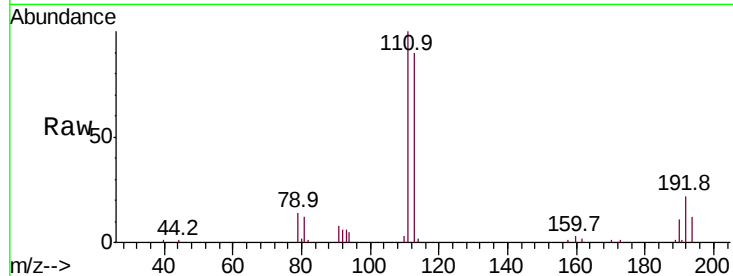
Tot Ion:113 Resp: 32565

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

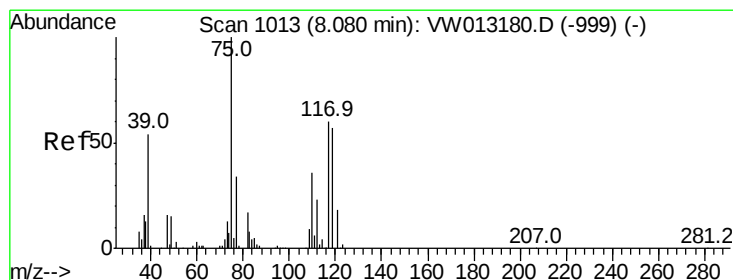
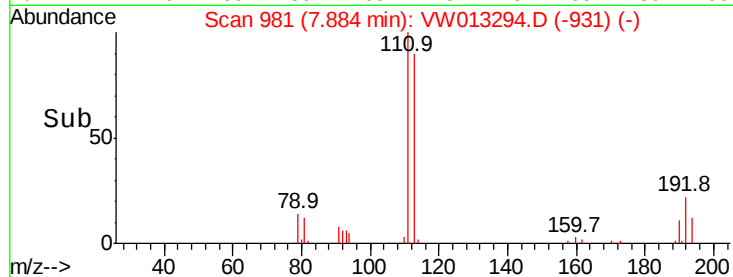
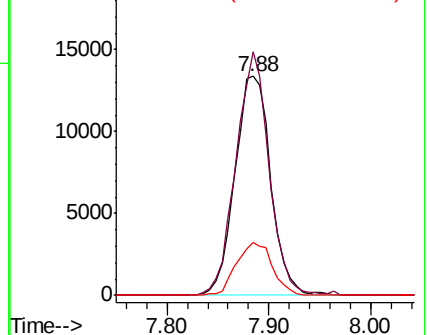
192 24.1 19.1 28.7



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: 5.689 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

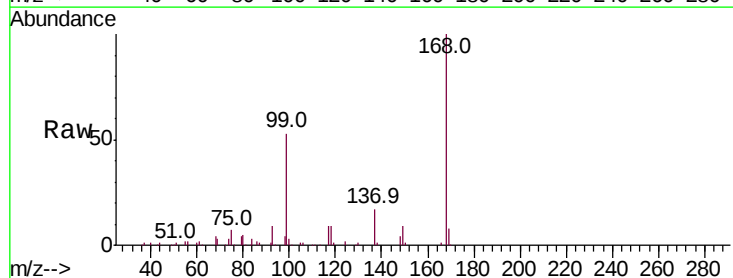
Tgt Ion: 75 Resp: 6527

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.3#

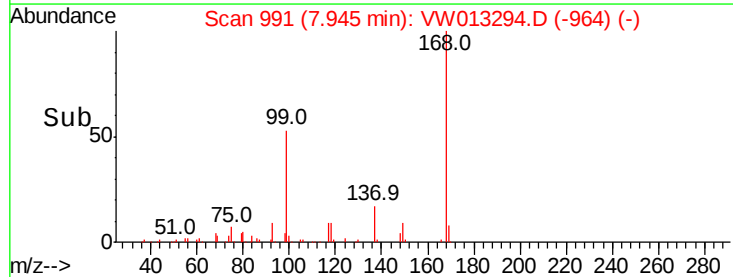
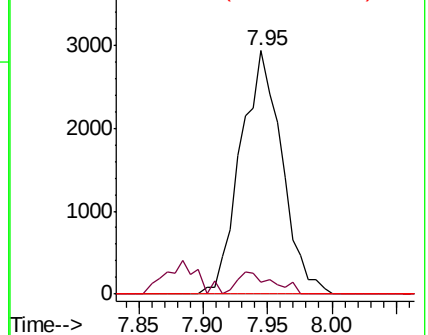
77 0.0 25.8 38.6#

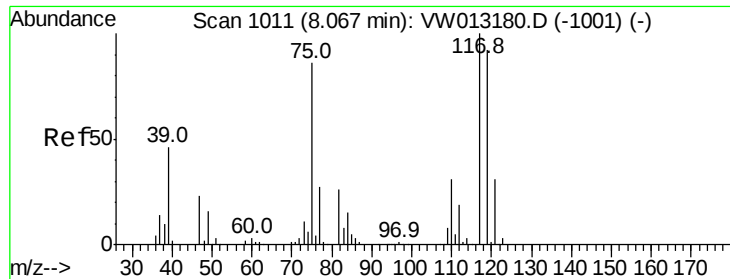


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

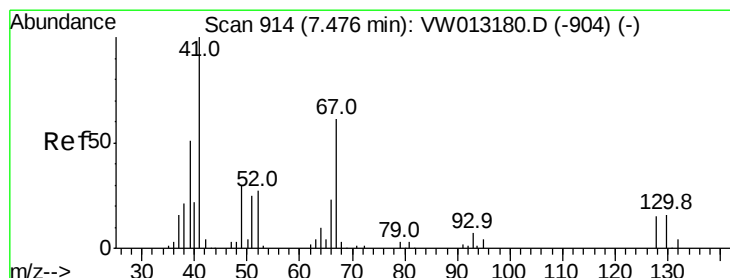
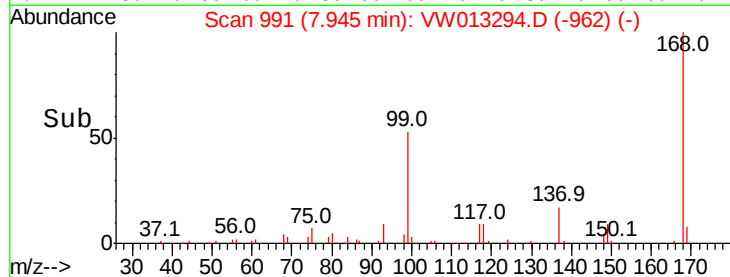
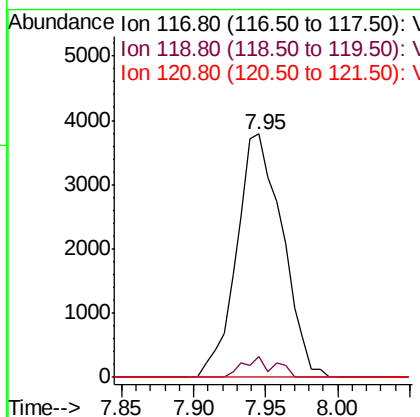
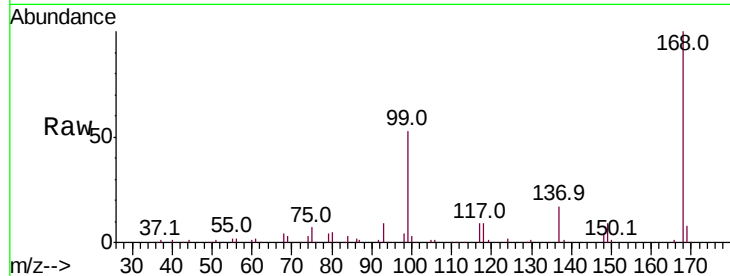




#38
 Carbon Tetrachloride
 Concen: 8.124 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

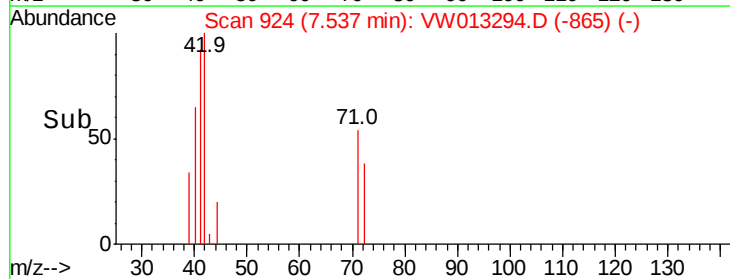
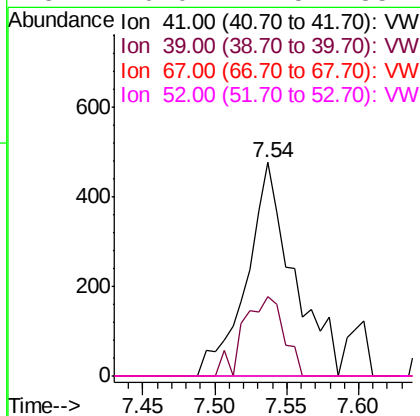
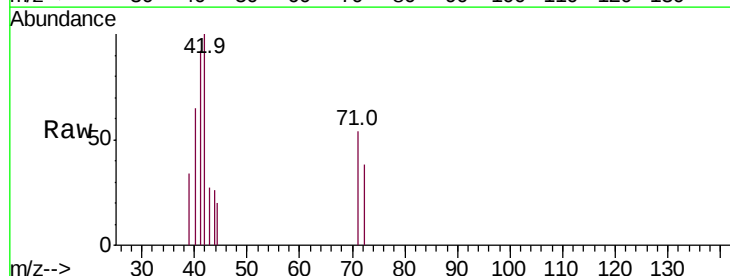
Instrument :
 MSVOA_W
 ClientSampleId :

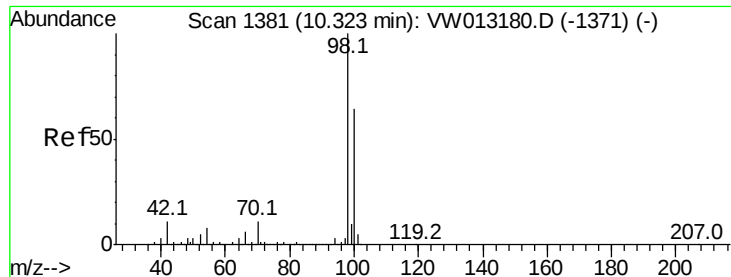
Tot Ion:117 Resp: 8356
 Ion Ratio Lower Upper
 117 100
 119 8.3 73.5 110.3#
 121 0.0 25.0 37.6#



#41
 Methacrylonitrile
 Concen: 3.663 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.06 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

Tgt Ion: 41 Resp: 1066
 Ion Ratio Lower Upper
 41 100
 39 32.2 45.9 68.9#
 67 0.0 54.5 81.7#
 52 0.0 22.5 33.7#





#50

Toluene-d8

Concen: 49.171 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

Instrument :

MSVOA_W

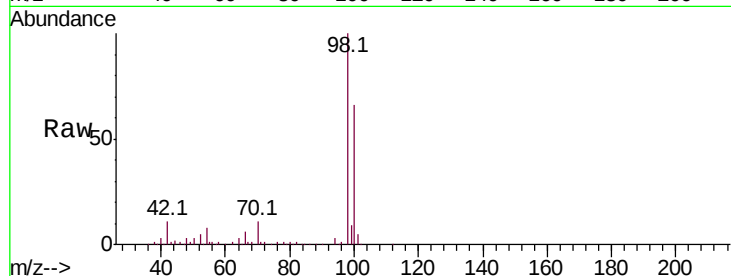
ClientSampleId :

Tot Ion: 98 Resp: 134075

Ion Ratio Lower Upper

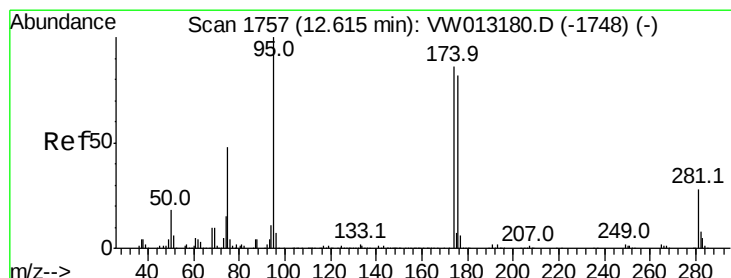
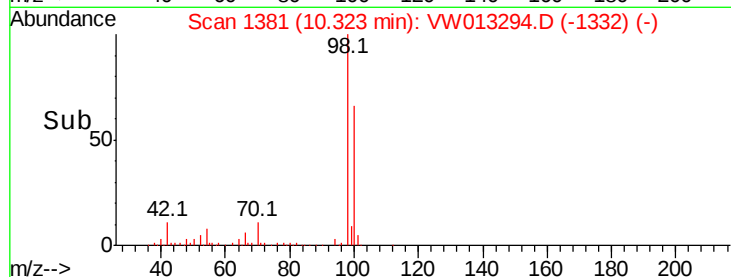
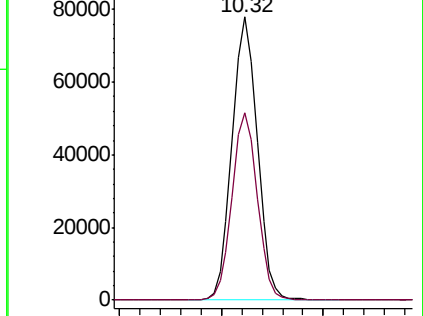
98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 38.895 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013294.D

Acq: 25 Sep 2019 12:34

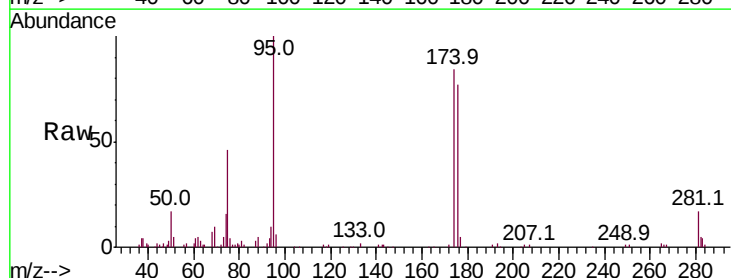
Tgt Ion: 95 Resp: 36227

Ion Ratio Lower Upper

95 100

174 88.5 0.0 178.4

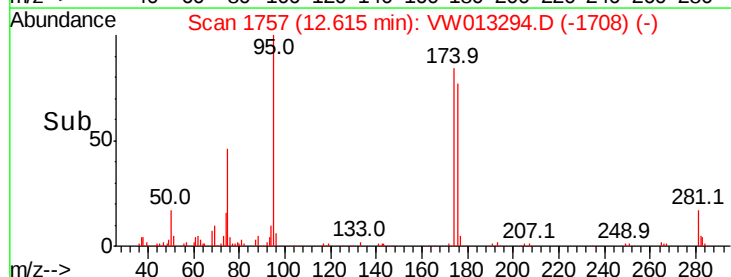
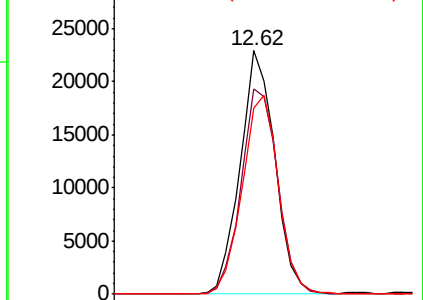
176 85.1 0.0 172.2

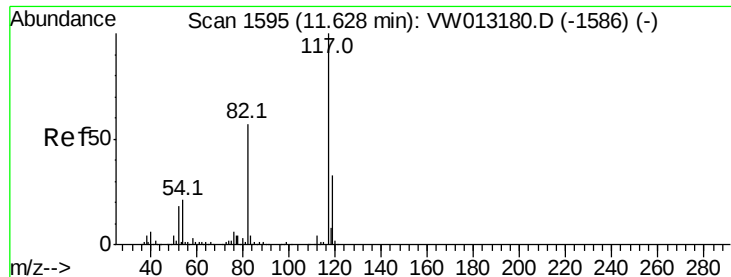


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

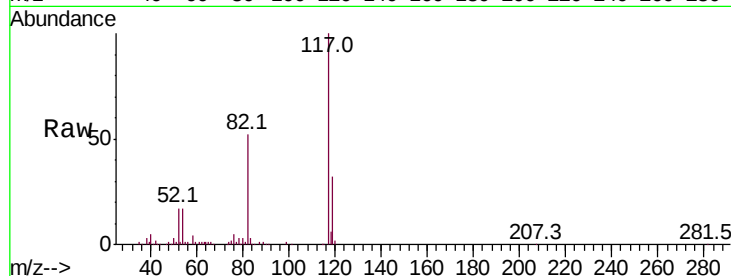




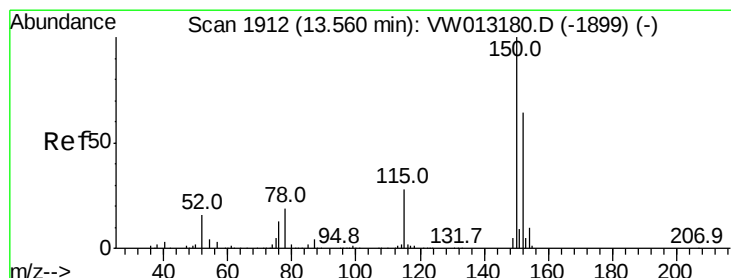
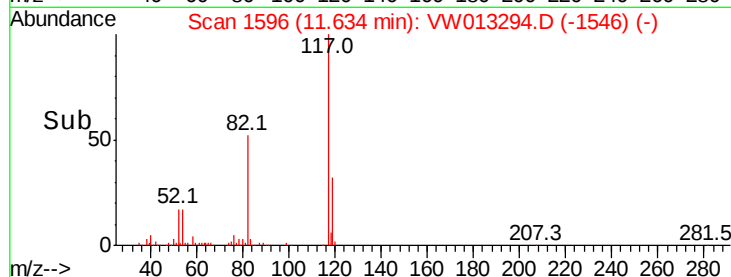
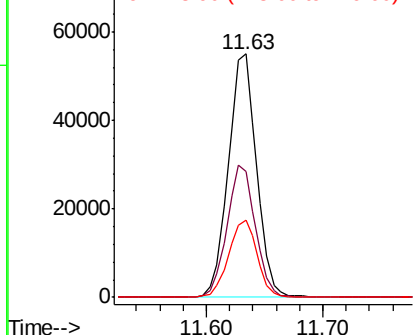
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013294.D
Acq: 25 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 92525
Ion Ratio Lower Upper
117 100
82 51.7 45.9 68.9
119 31.7 26.2 39.2

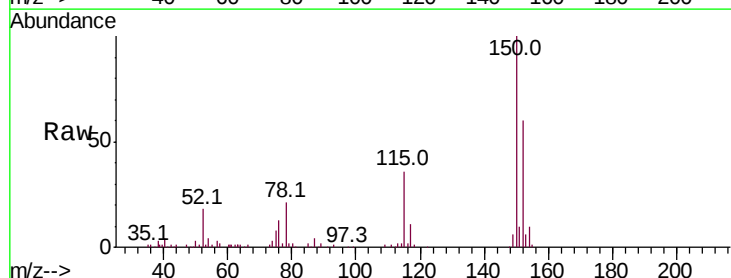


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

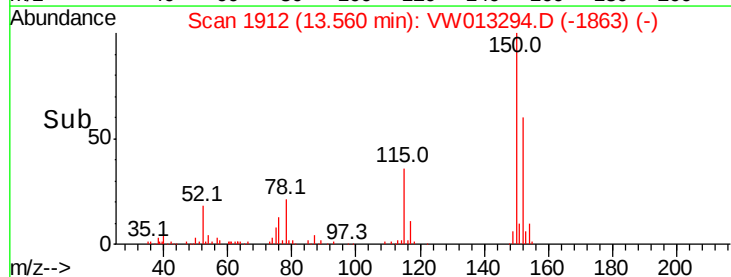
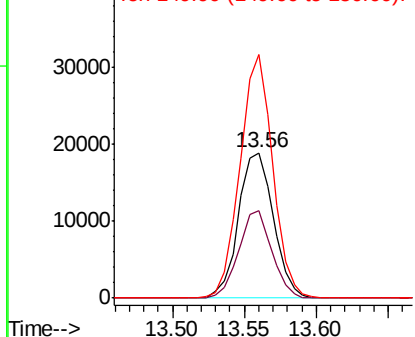


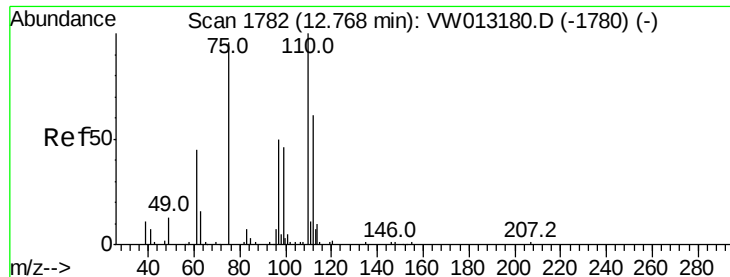
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013294.D
Acq: 25 Sep 2019 12:34

Tgt Ion:152 Resp: 31773
Ion Ratio Lower Upper
152 100
115 56.9 27.3 81.9
150 157.4 0.0 349.0



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

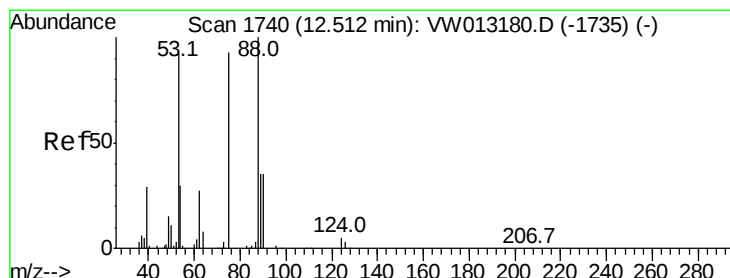
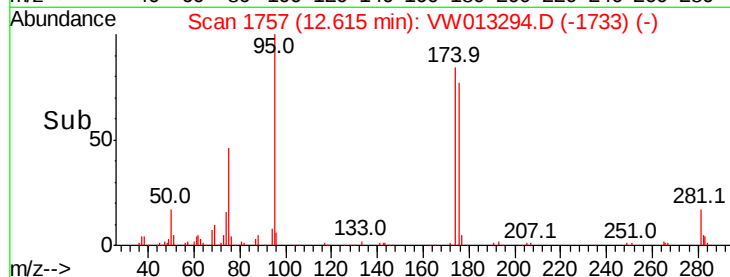
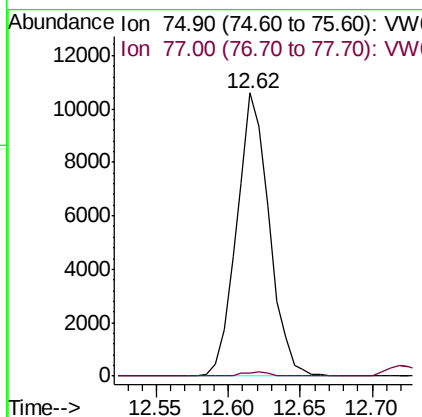
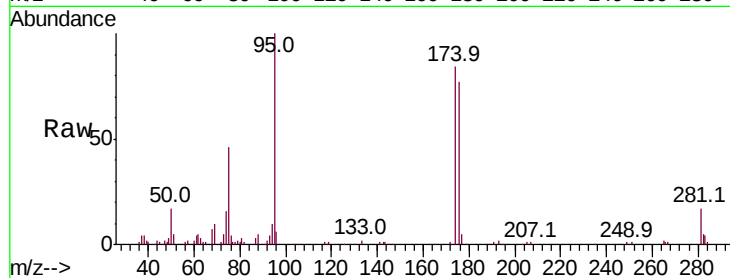




#76
 1,2,3-Trichloropropane
 Concen: 59.060 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 16572
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.525 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013294.D
 Acq: 25 Sep 2019 12:34

Tgt Ion: 75 Resp: 16572
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.0 33.5 50.3#

