

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012251.D
 Acq On : 28 Aug 2019 13:58
 Operator : SY/VA
 Sample : K4521-01RE
 Misc : 4.39G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:25:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137471	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.88	113	117597	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.32	98	492702	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	157463	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	

Target Compounds

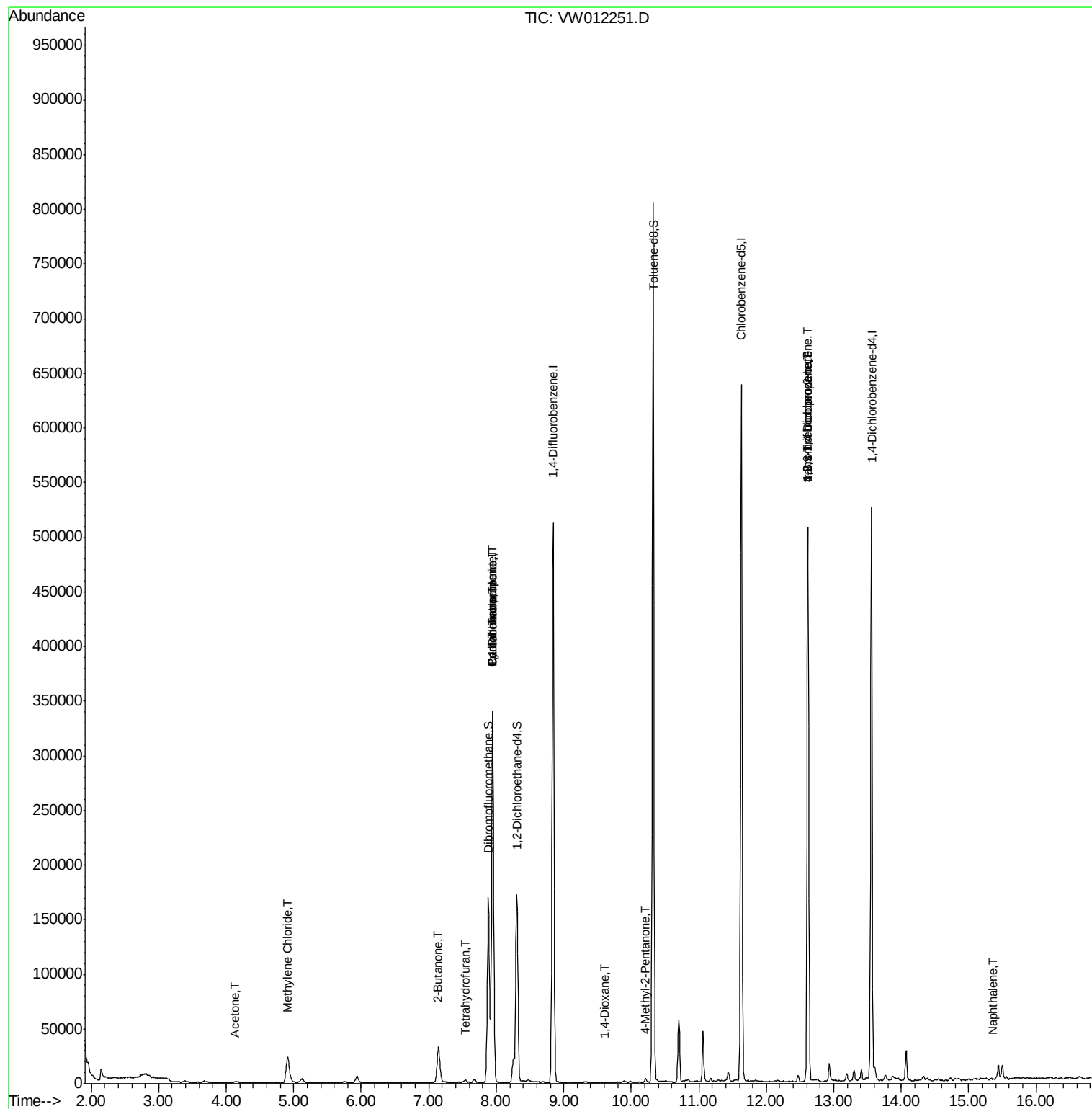
						Qvalue
16) Acetone	4.14	43	888	1.185	ug/l	93
20) Methylene Chloride	4.91	84	17663	6.234	ug/l	94
25) 2-Butanone	7.14	43	2541	2.495	ug/l #	83
29) Tetrahydrofuran	7.54	42	2348	3.843	ug/l	96
31) Cyclohexane	7.95	56	5841	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21424	5.087	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25293	6.939	ug/l #	16
49) 1,4-Dioxane	9.60	88	23	1.091	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3022	1.390	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	83636	63.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83636	138.468	ug/l #	6
95) Naphthalene	15.36	128	497	4.410	ug/l #	75

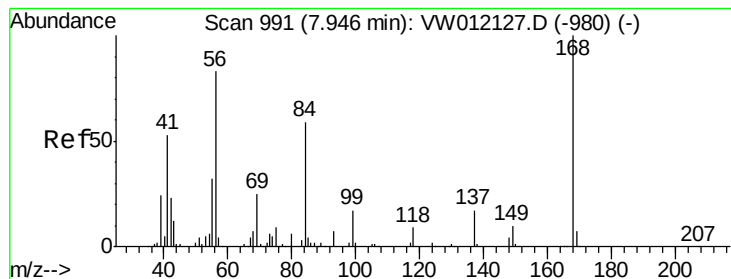
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :

MSVOA_W

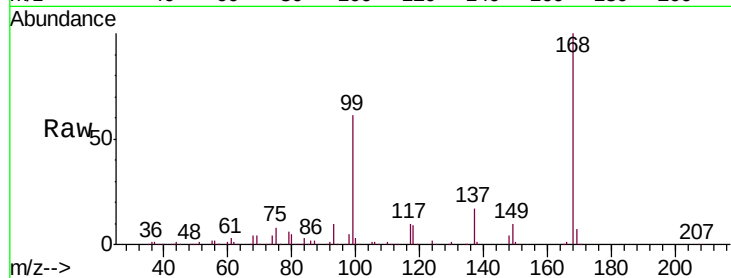
ClientSampled :

Tot Ion:168 Resp: 246656

Ion Ratio Lower Upper

168 100

99 61.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

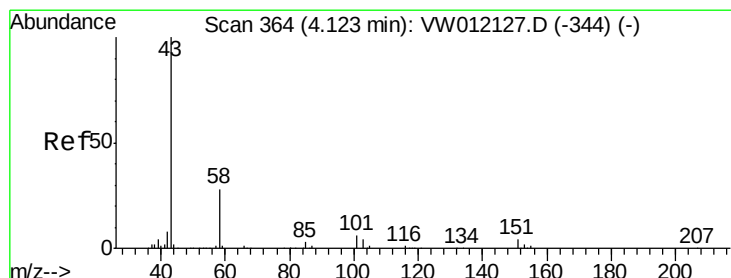
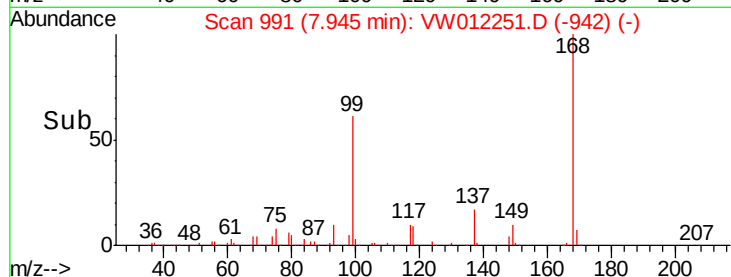
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.185 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012251.D

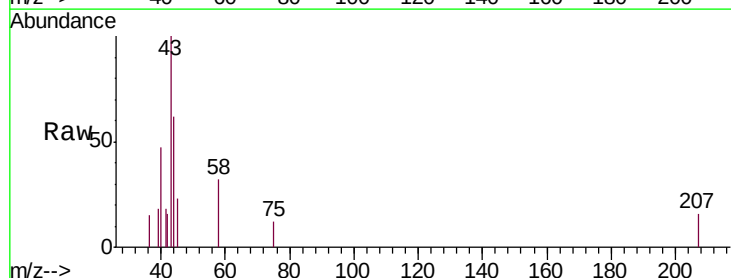
Acq: 28 Aug 2019 13:58

Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

58 31.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

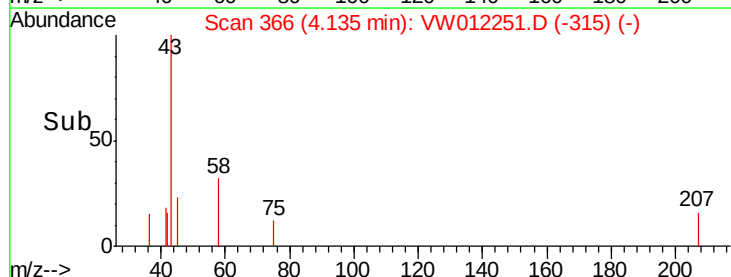
600

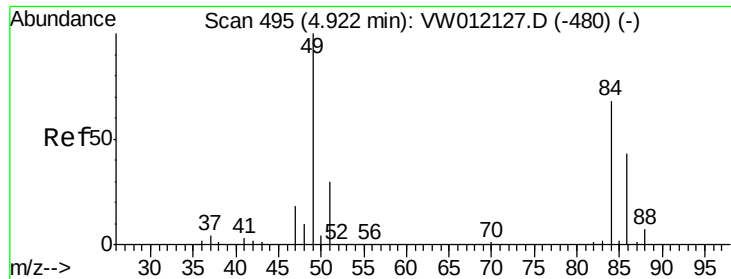
400

200

0

Time-->

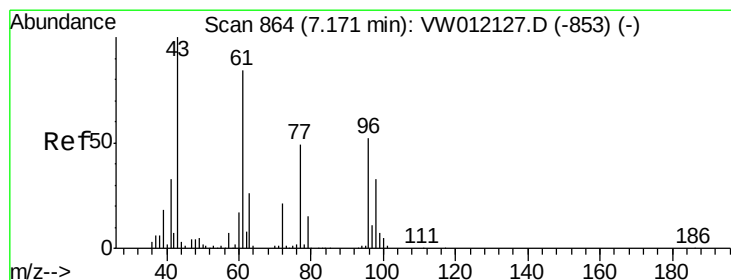
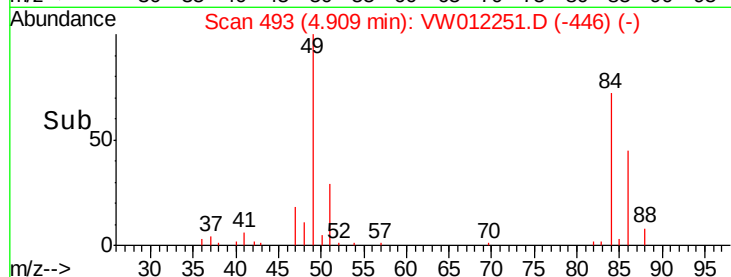
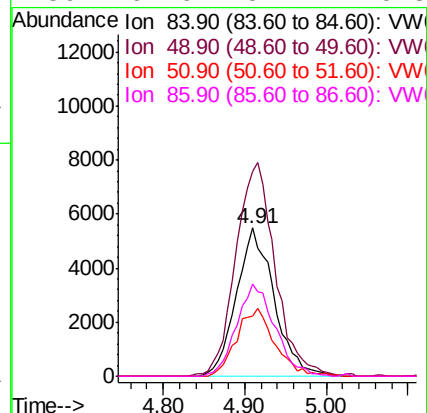
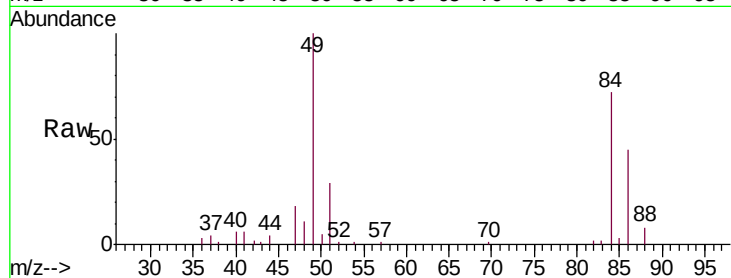




#20
Methvlene Chloride
Concen: 6.234 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

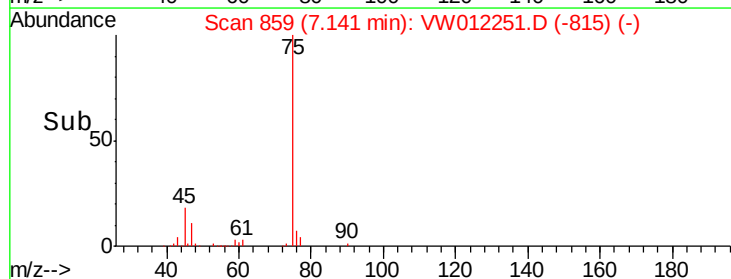
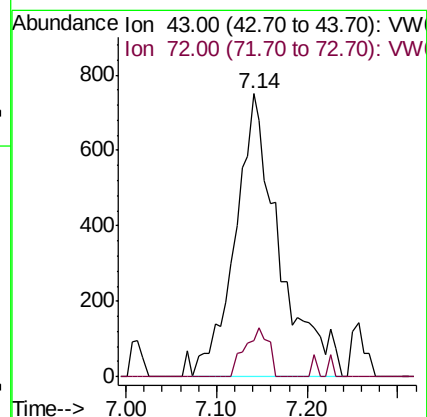
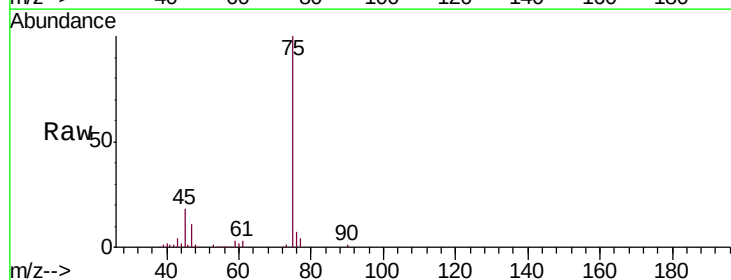
Instrument :
MSVOA_W
ClientSampleId :

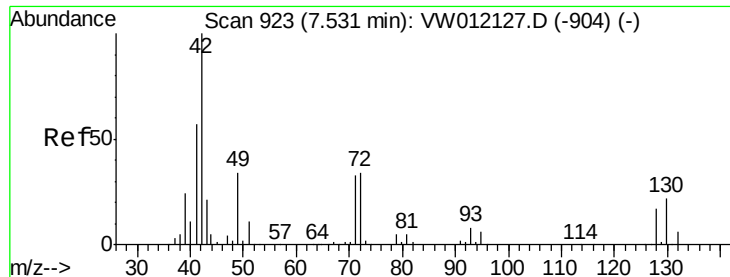
Tot Ion:	84	Resp:	17663
Ion	Ratio	Lower	Upper
84	100		
49	137.1	117.8	176.8
51	40.7	35.6	53.4
86	62.6	51.2	76.8



#25
2-Butanone
Concen: 2.495 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

Tgt Ion:	43	Resp:	2541
Ion	Ratio	Lower	Upper
43	100		
72	12.8	16.6	24.8#





#29

Tetrahydrofuran

Concen: 3.843 ug/l

RT: 7.54 min Scan# 925

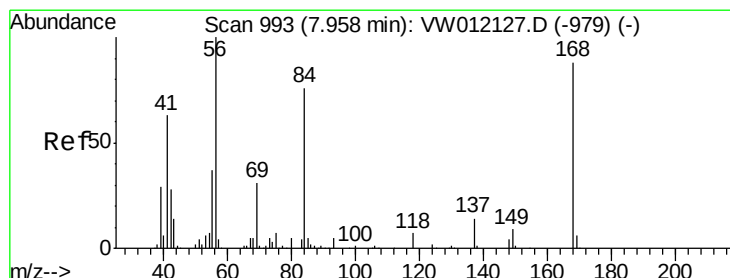
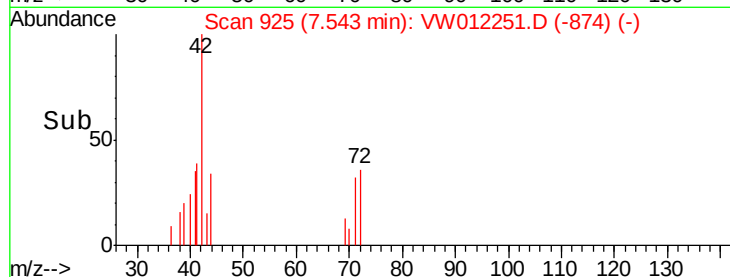
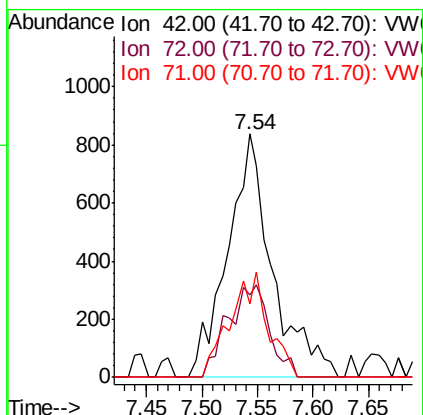
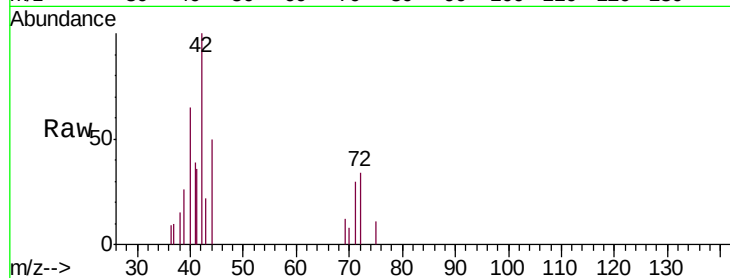
Delta R.T. 0.01 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	42	Resp:	2348
Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.3	40.9
71	36.0	25.5	38.3



#31

Cyclohexane

Concen: 1.106 ug/l

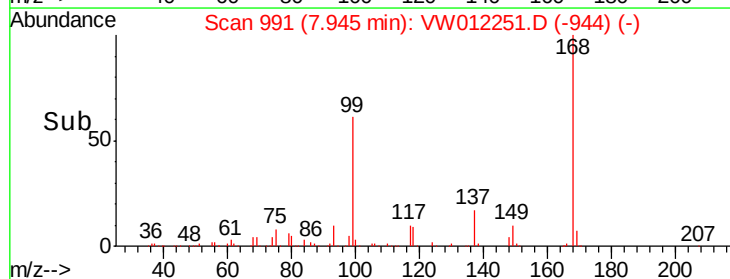
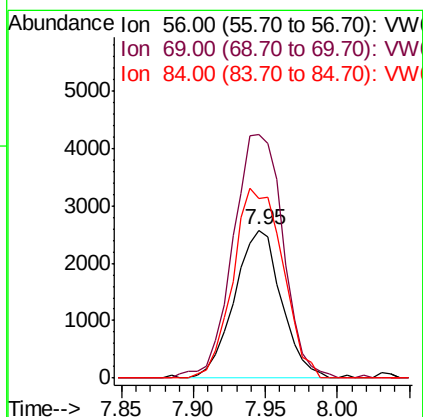
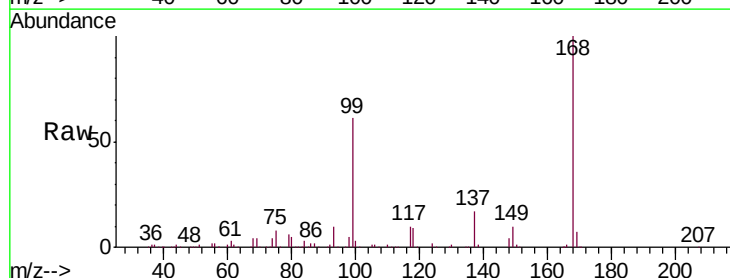
RT: 7.95 min Scan# 991

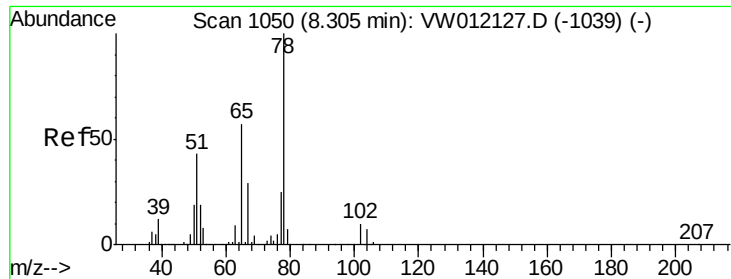
Delta R.T. -0.01 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Tgt Ion:	56	Resp:	5841
Ion	Ratio	Lower	Upper
56	100		
69	164.6	24.9	37.3#
84	121.7	60.6	90.8#

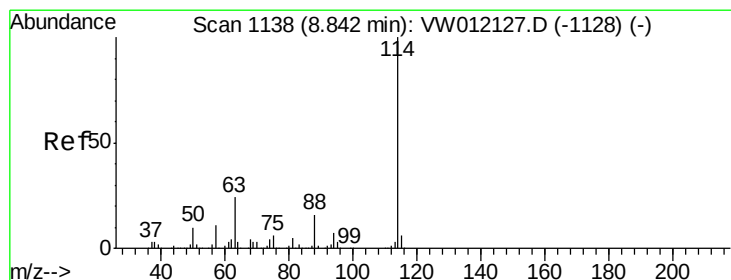
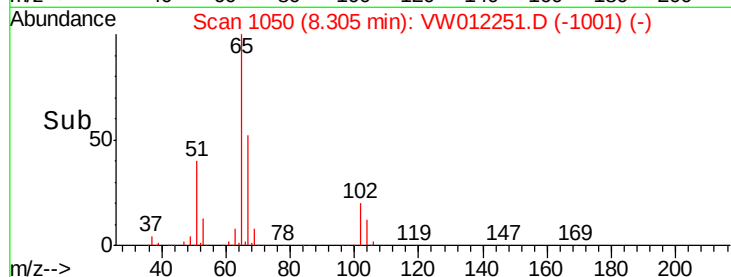
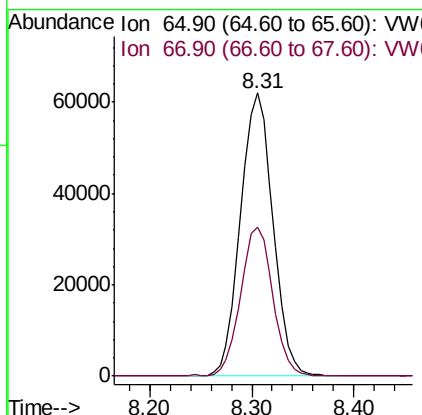
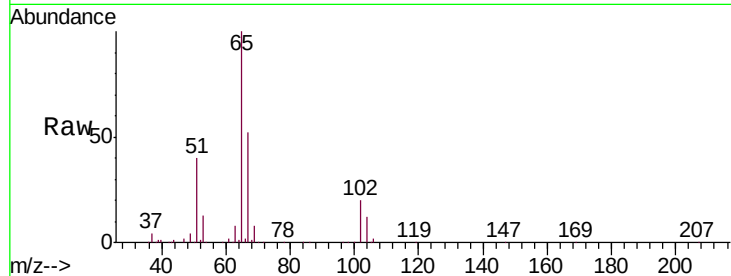




#33
 1,2-Dichloroethane-d4
 Concen: 46.884 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012251.D
 Acq: 28 Aug 2019 13:58

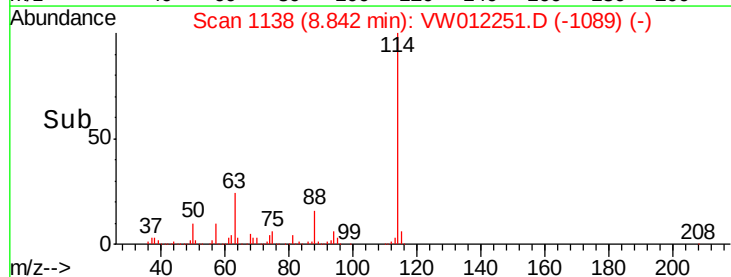
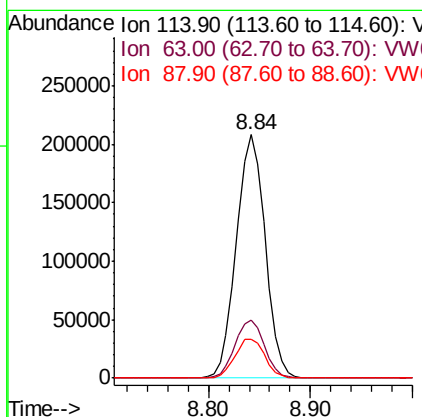
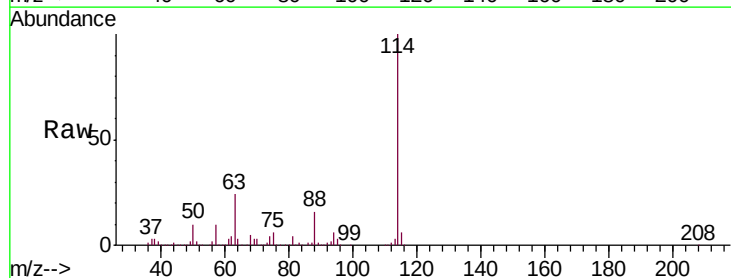
Instrument :
 MSVOA_W
 ClientSampleId :

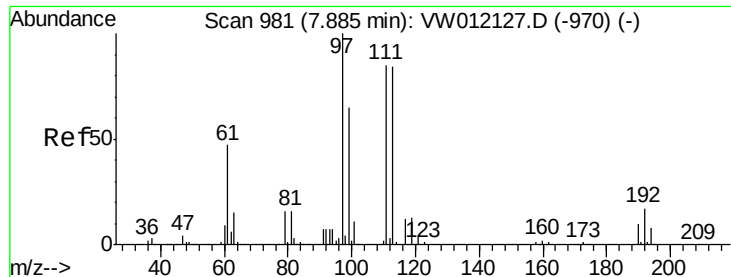
Tot Ion: 65 Resp: 137471
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012251.D
 Acq: 28 Aug 2019 13:58

Tgt Ion: 114 Resp: 407552
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.340 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

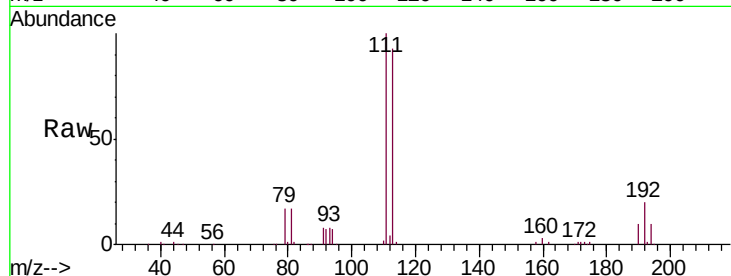
Tot Ion:113 Resp: 117597

Ion Ratio Lower Upper

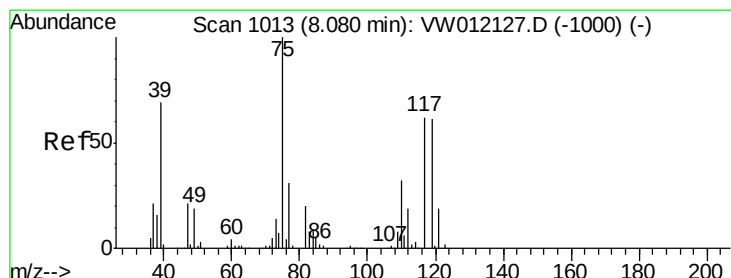
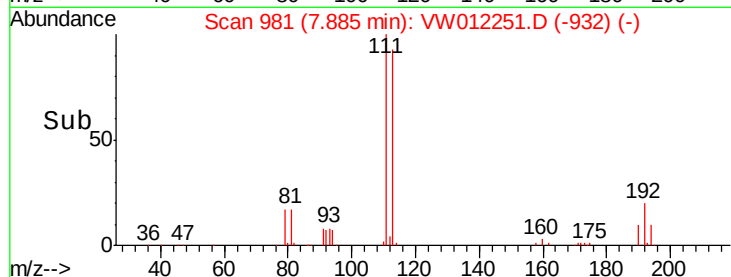
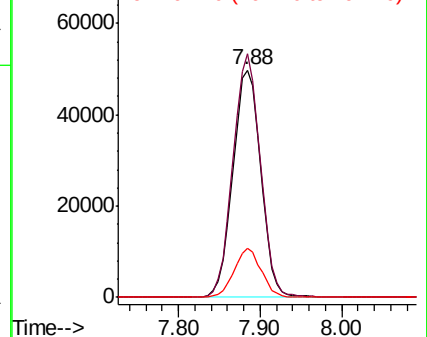
113 100

111 104.8 82.7 124.1

192 20.9 16.2 24.2



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: 5.087 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

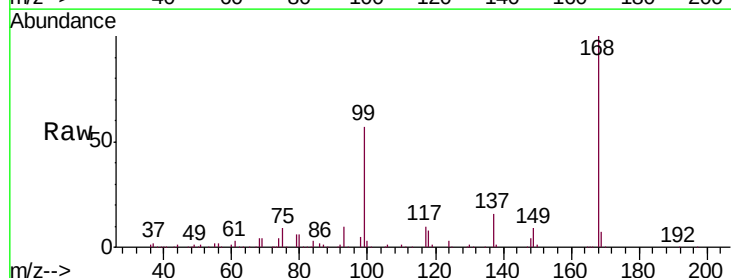
Tgt Ion: 75 Resp: 21424

Ion Ratio Lower Upper

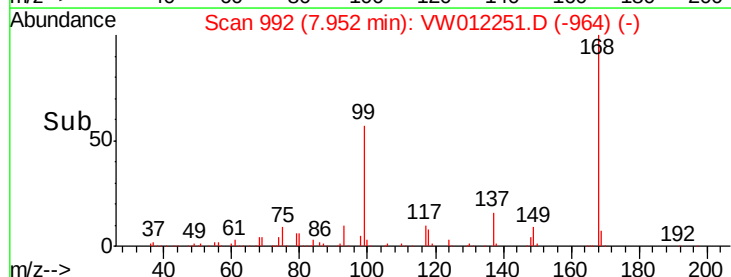
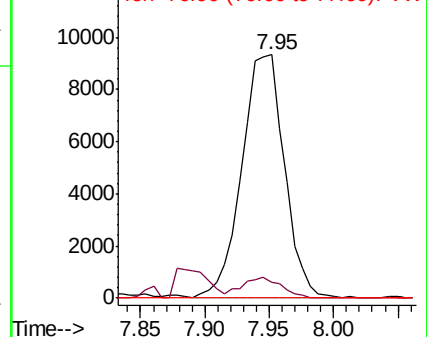
75 100

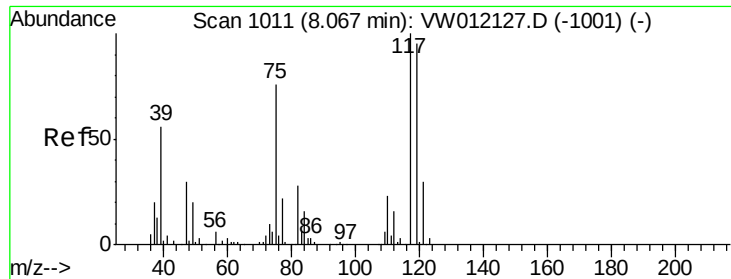
110 7.8 15.6 46.8#

77 0.0 24.6 36.8#



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: 6.939 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :

MSVOA_W

ClientSampled :

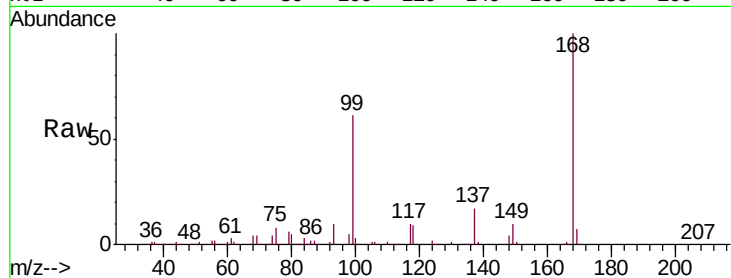
Tot Ion:117 Resp: 25293

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

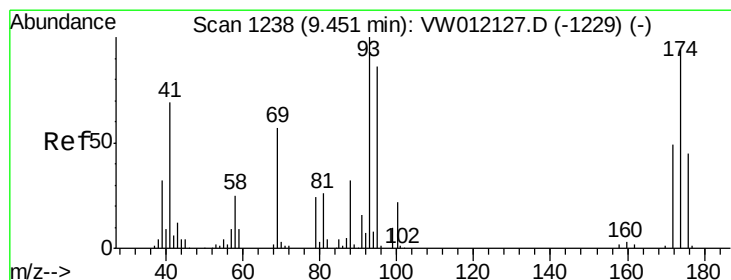
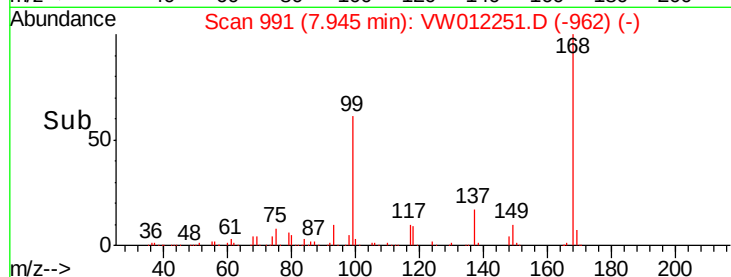
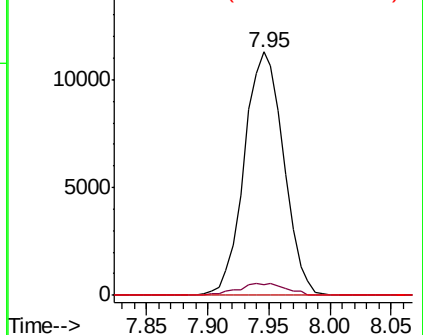
121 0.0 23.8 35.8#



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: 1.091 ug/l

RT: 9.60 min Scan# 1263

Delta R.T. 0.15 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

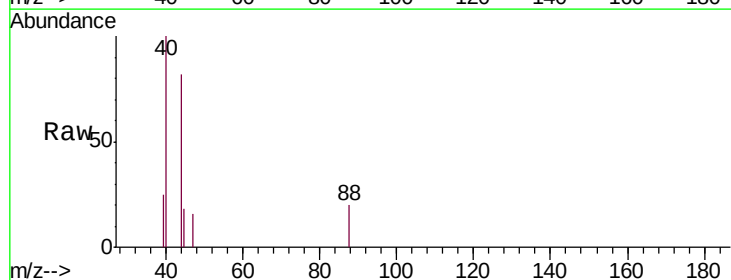
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 456.5 32.9 49.3#

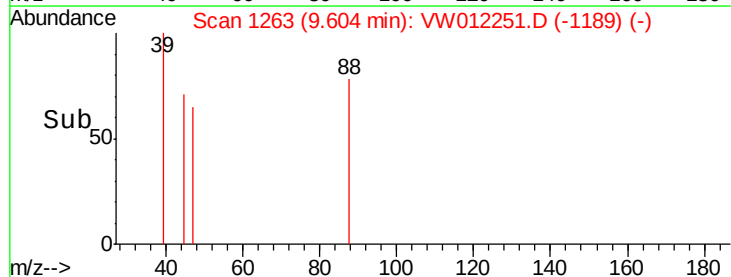
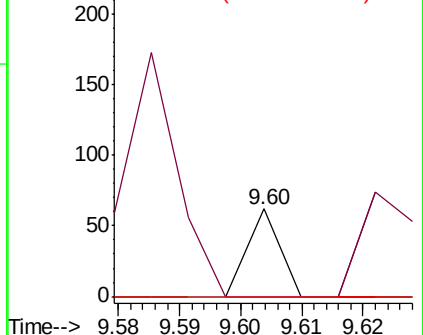
58 0.0 71.0 106.4#

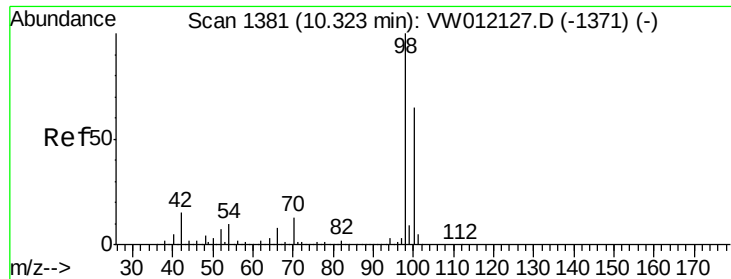


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.950 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :

MSVOA_W

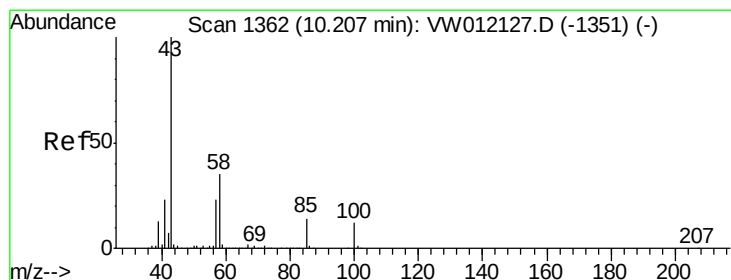
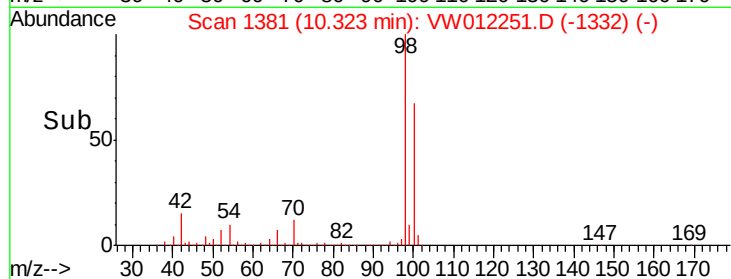
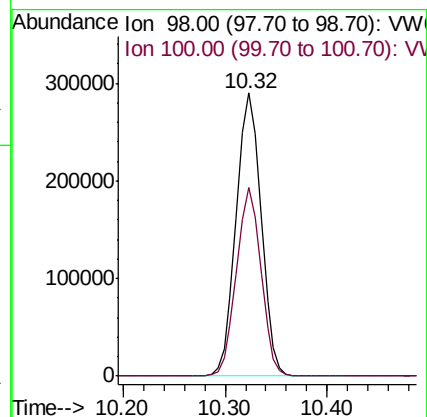
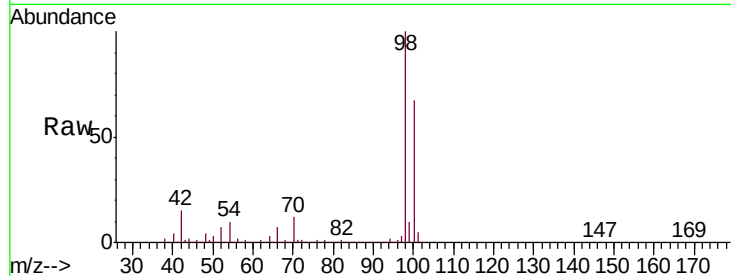
ClientSampleId :

Tot Ion: 98 Resp: 492702

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.390 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012251.D

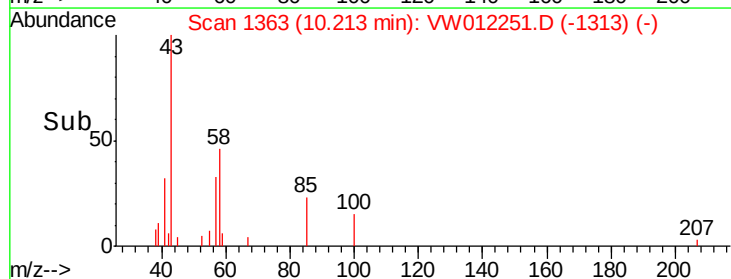
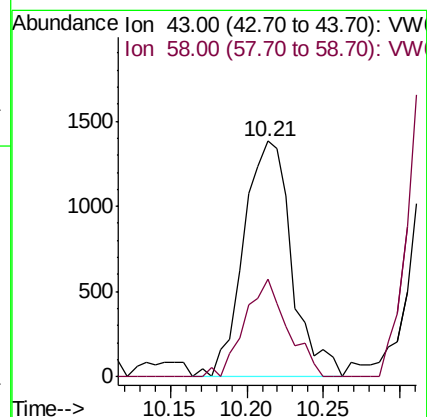
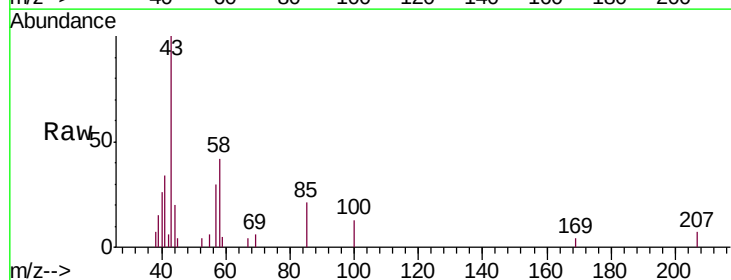
Acq: 28 Aug 2019 13:58

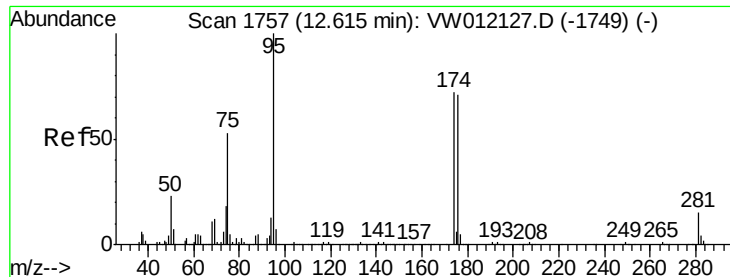
Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

58 37.1 28.2 42.2

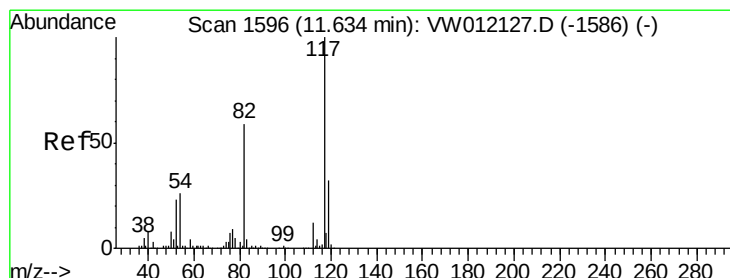
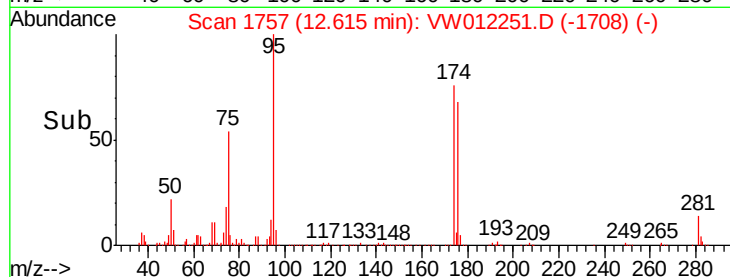
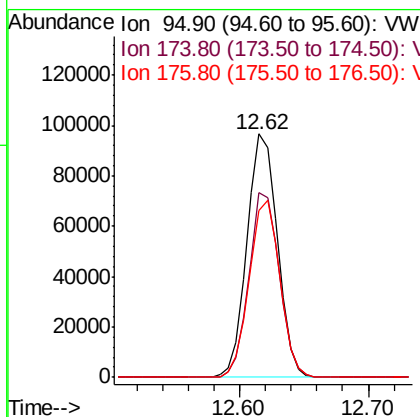
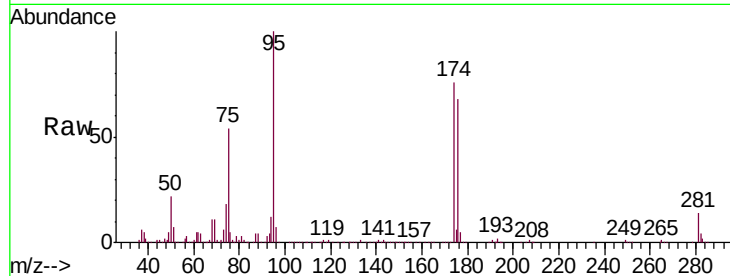




#62
4-Bromofluorobenzene
Concen: 45.287 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

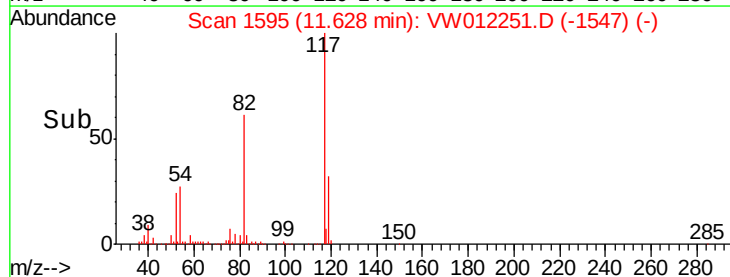
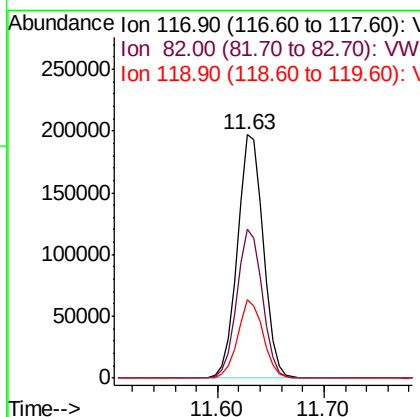
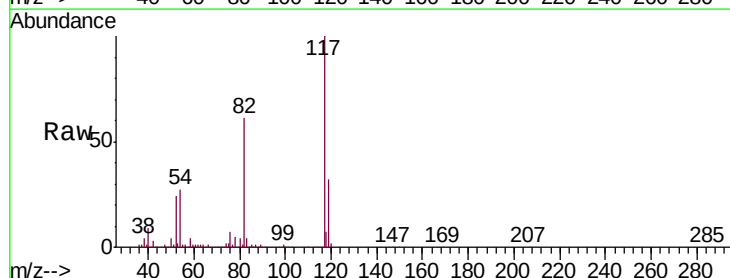
Instrument :
MSVOA_W
ClientSampleId :

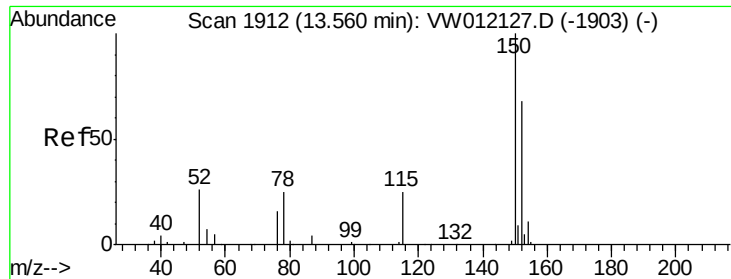
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.8
176	73.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.4	71.2
119	31.9	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012251.D

Acq: 28 Aug 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

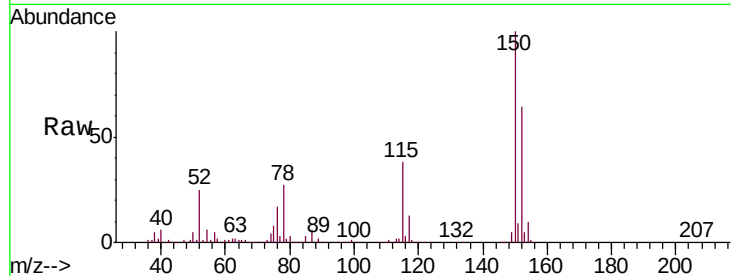
Tot Ion:152 Resp: 135976

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.3

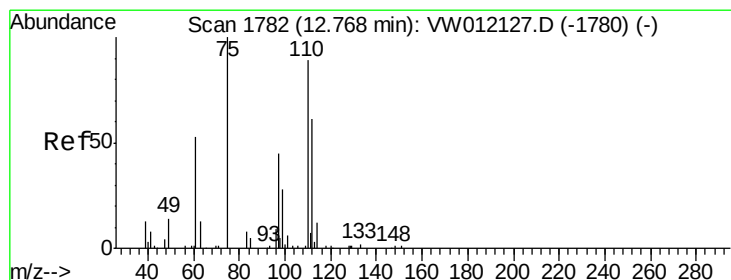
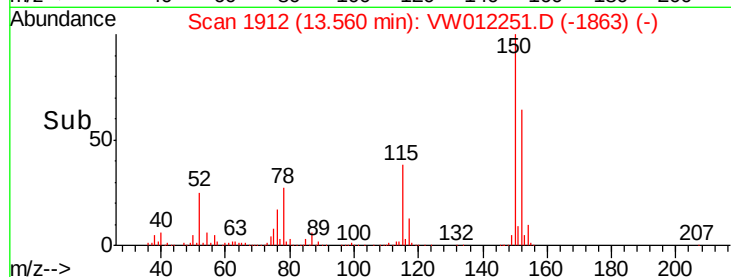
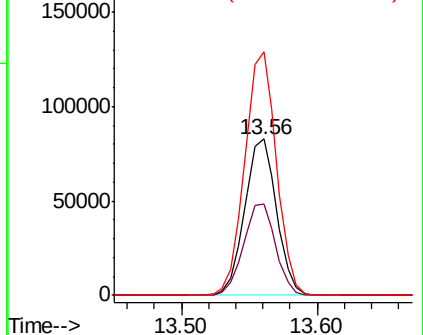
150 155.1 0.0 345.8



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: 63.154 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012251.D

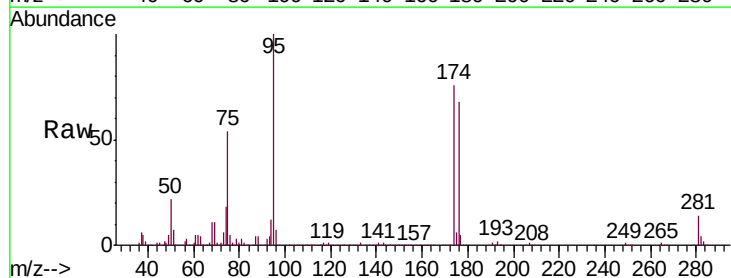
Acq: 28 Aug 2019 13:58

Tgt Ion: 75 Resp: 83636

Ion Ratio Lower Upper

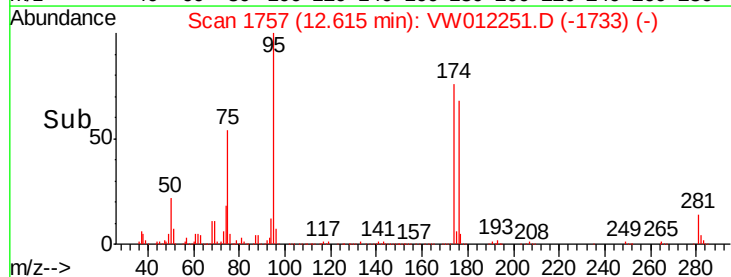
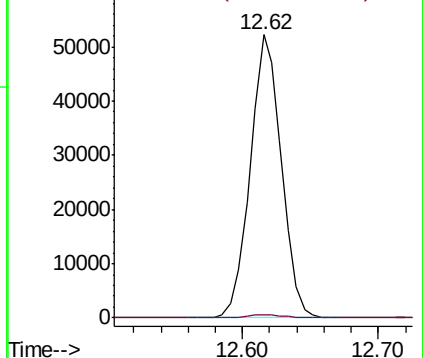
75 100

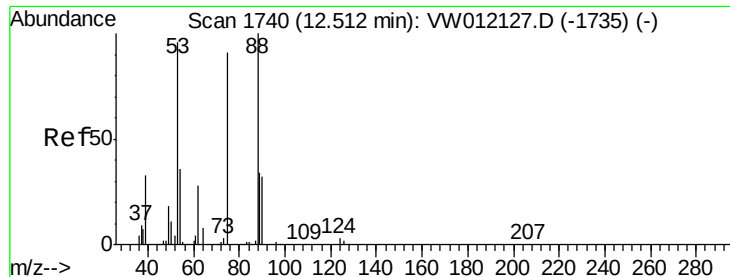
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

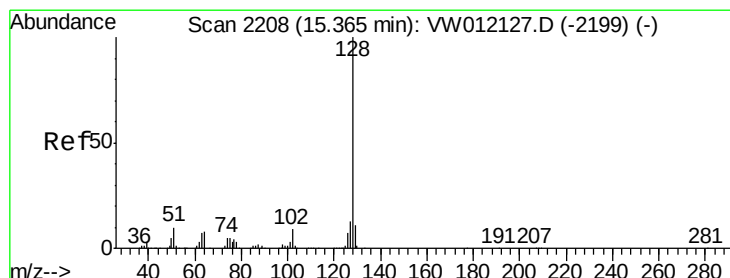
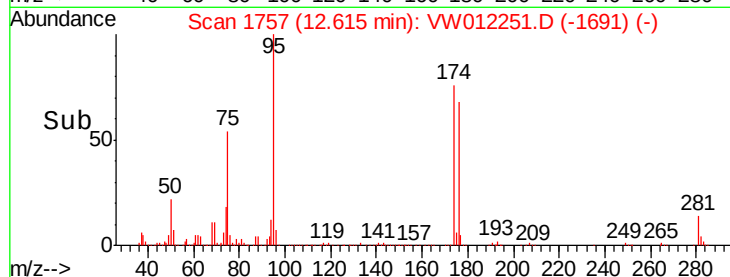
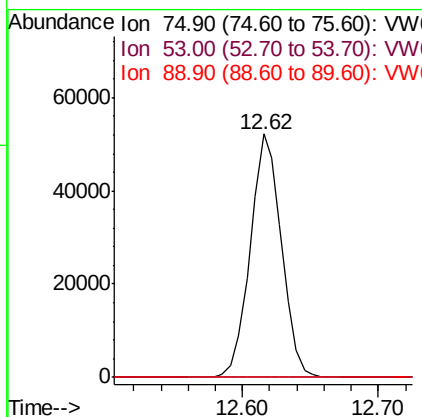
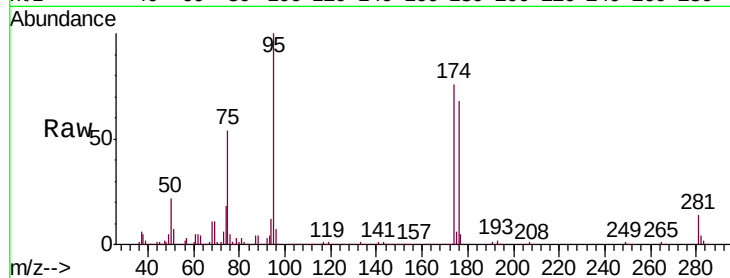




#81
trans-1,4-Dichloro-2-butene
Concen: 138.468 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 83636
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.410 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012251.D
Acq: 28 Aug 2019 13:58

Tgt Ion: 128 Resp: 497
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 5.0 8.7 13.1#

