

Data File : VW012189.D
Acq On : 26 Aug 2019 23:24
Operator : SY/VA
Sample : K4472-05
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(0)

Quant Time: Aug 27 05:00:55 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	246322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	161996	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
35) Dibromofluoromethane	7.88	113	127667	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.32	98	501766	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.62	95	140237	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	

Target Compounds

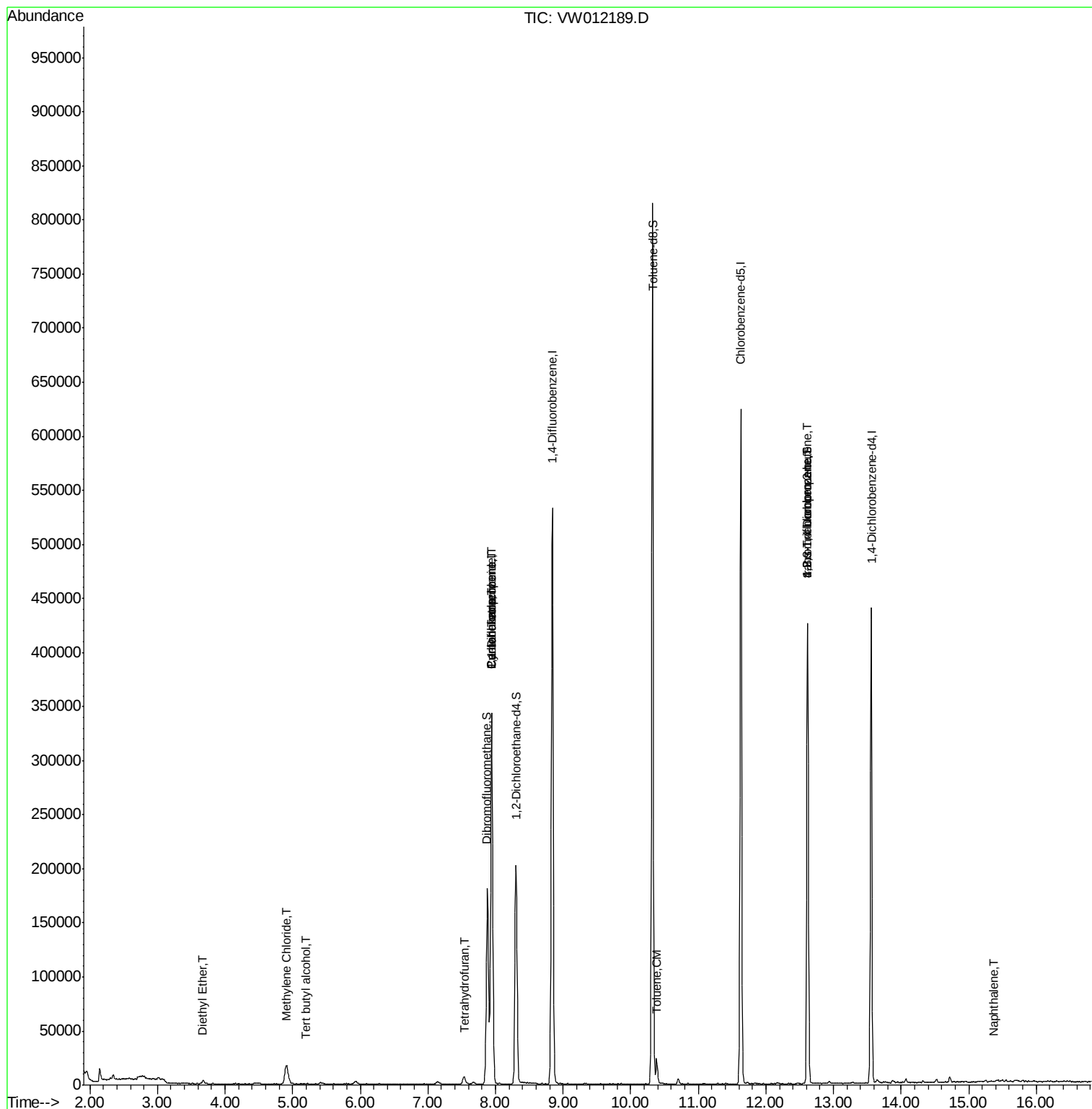
						Qvalue
8) Diethyl Ether	3.67	74	1581	1.153	ug/l	77
11) Tert butyl alcohol	5.19	59	207	1.175	ug/l #	71
20) Methylene Chloride	4.91	84	13092	4.627	ug/l	99
29) Tetrahydrofuran	7.53	42	6244	10.232	ug/l	99
31) Cyclohexane	7.94	56	6355	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21503	5.056	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24802	6.738	ug/l #	15
52) Toluene	10.38	92	8979	1.287	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	75417	70.987	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75417	155.642	ug/l #	6
95) Naphthalene	15.37	128	247	4.376	ug/l #	79

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

Data File : VW012189.D
Acq On : 26 Aug 2019 23:24
Operator : SY/VA
Sample : K4472-05
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(0)

Quant Time: Aug 27 05:00:55 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

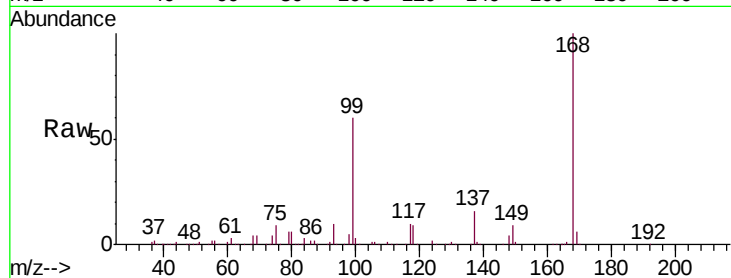
T1-S3-(0)

Tgt Ion:168 Resp: 246322

Ion Ratio Lower Upper

168 100

99 59.9 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

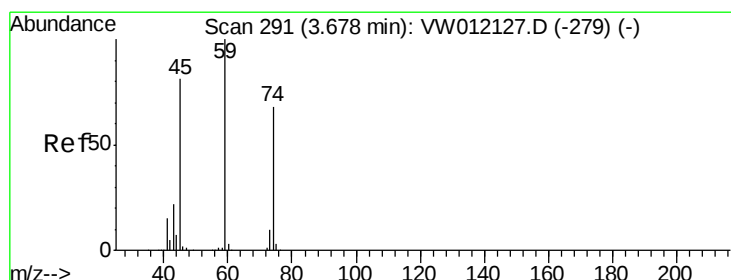
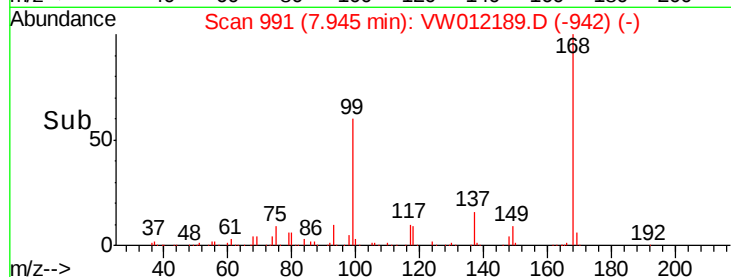
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.153 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012189.D

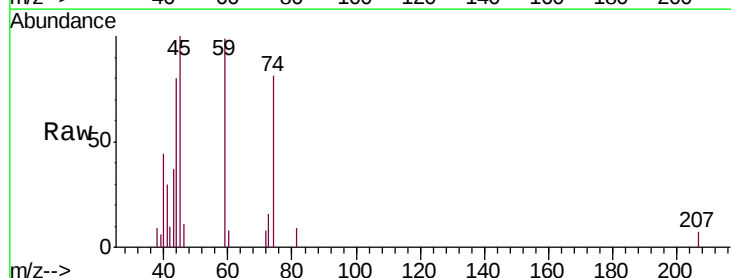
Acq: 26 Aug 2019 23:24

Tgt Ion: 74 Resp: 1581

Ion Ratio Lower Upper

74 100

45 144.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

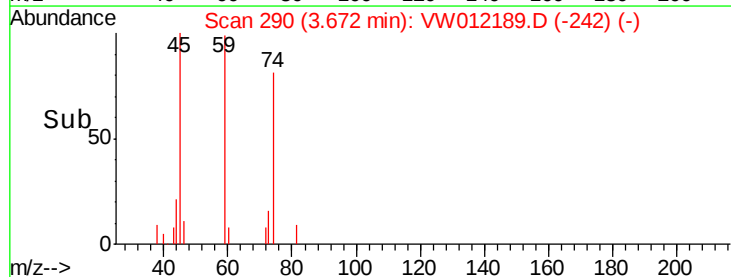
600

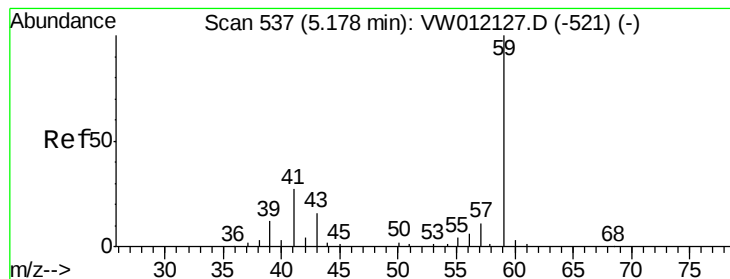
400

200

0

Time--> 3.60 3.65 3.70 3.75



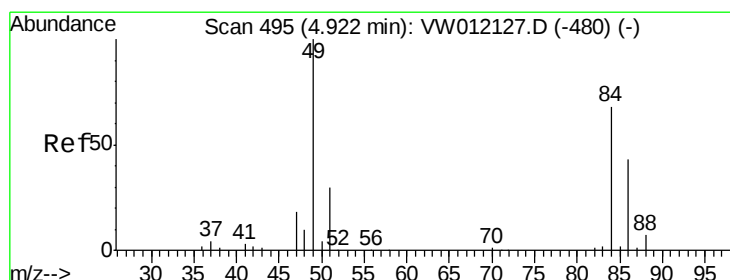
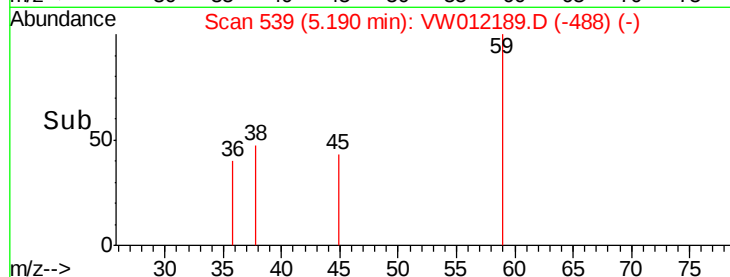
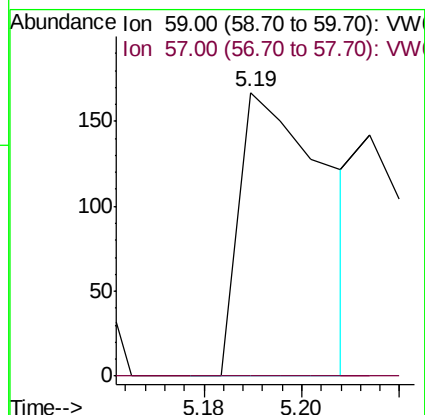
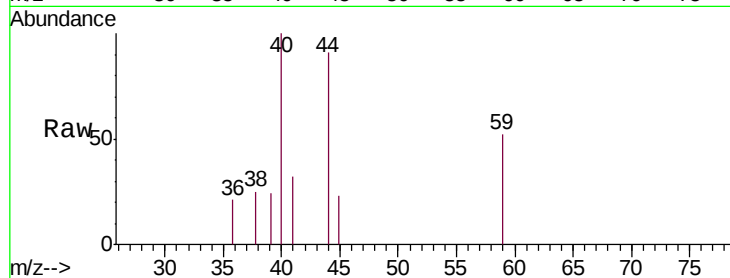


#11

Tert butyl alcohol
 Concen: 1.175 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012189.D
 Acq: 26 Aug 2019 23:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S3-(0)

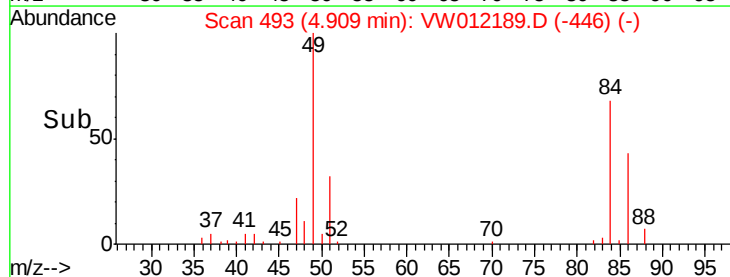
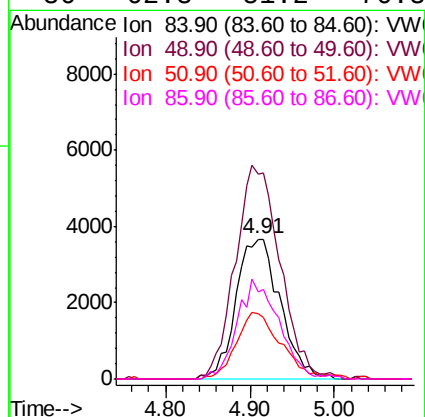
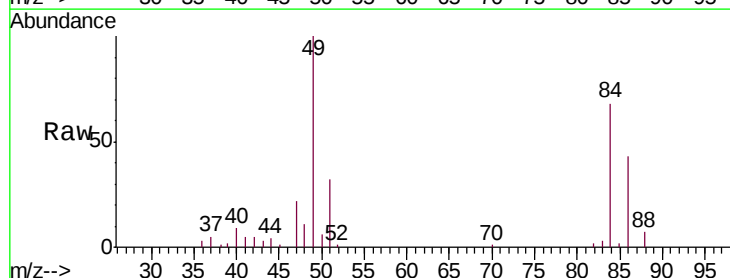
Tgt Ion: 59 Resp: 207
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

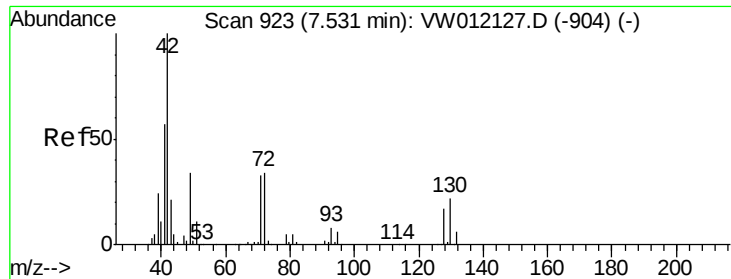


#20

Methylene Chloride
 Concen: 4.627 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012189.D
 Acq: 26 Aug 2019 23:24

Tgt Ion: 84 Resp: 13092
 Ion Ratio Lower Upper
 84 100
 49 146.9 117.8 176.8
 51 46.9 35.6 53.4
 86 62.8 51.2 76.8

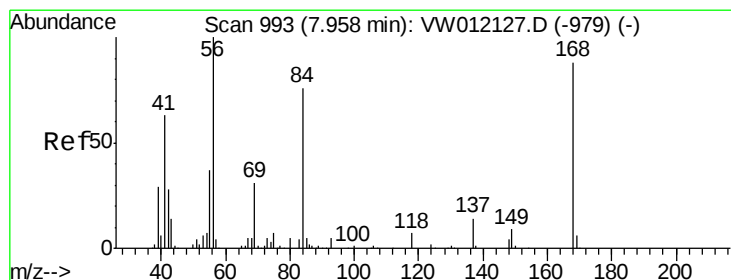
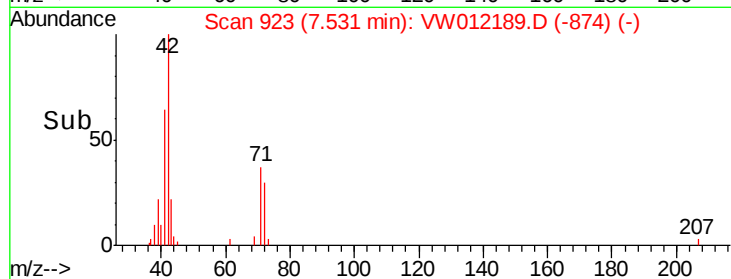
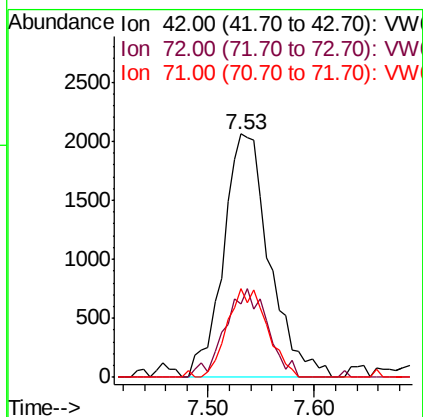
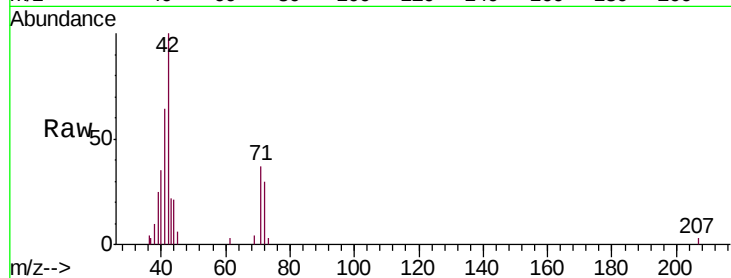




#29
Tetrahydrofuran
Concen: 10.232 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012189.D
Acq: 26 Aug 2019 23:24

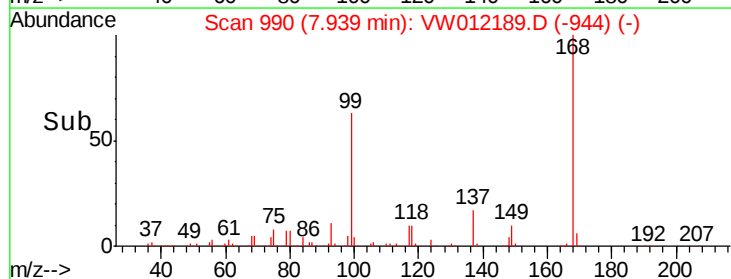
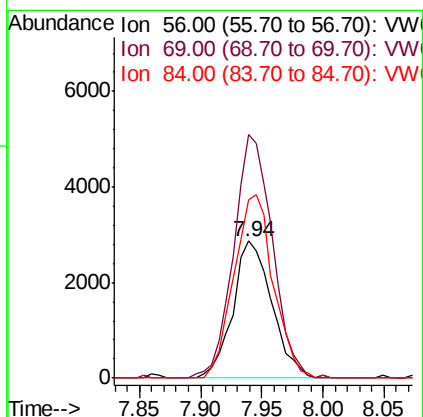
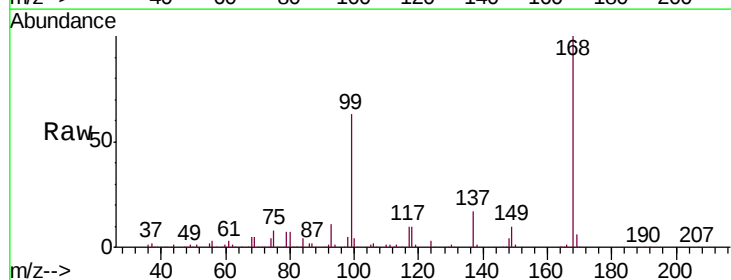
Instrument :
MSVOA_W
ClientSampled :
T1-S3-(0)

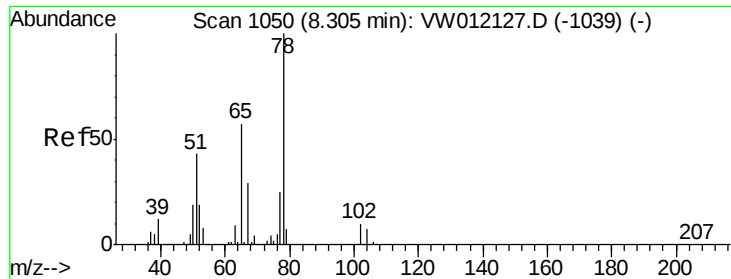
Tgt Ion: 42 Resp: 6244
Ion Ratio Lower Upper
42 100
72 33.6 27.3 40.9
71 31.7 25.5 38.3



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012189.D
Acq: 26 Aug 2019 23:24

Tgt Ion: 56 Resp: 6355
Ion Ratio Lower Upper
56 100
69 177.4 24.9 37.3#
84 129.8 60.6 90.8#

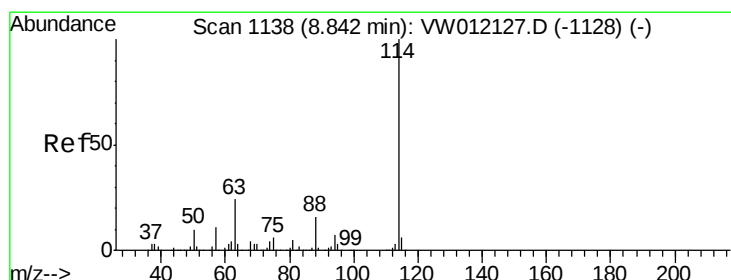
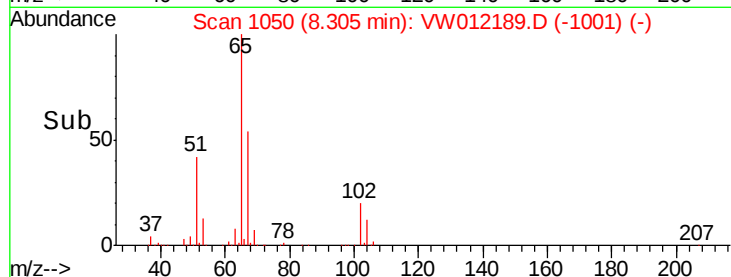
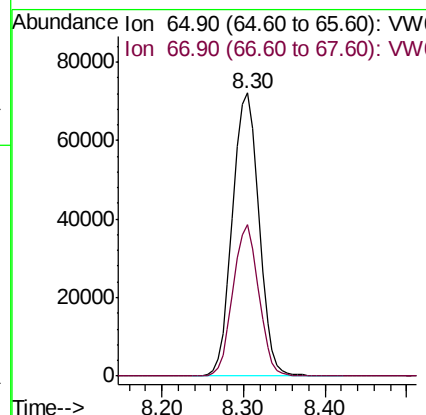
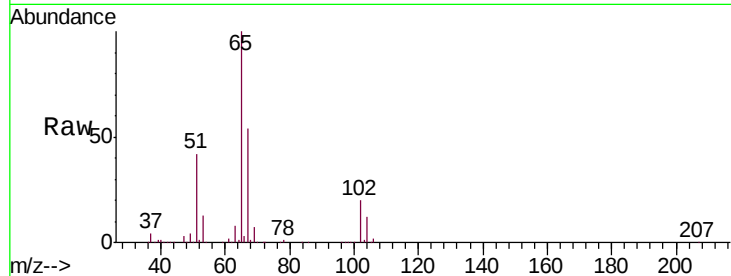




#33
 1,2-Dichloroethane-d4
 Concen: 55.323 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012189.D
 Acq: 26 Aug 2019 23:24

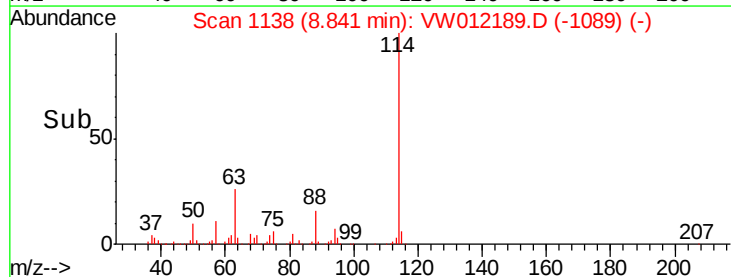
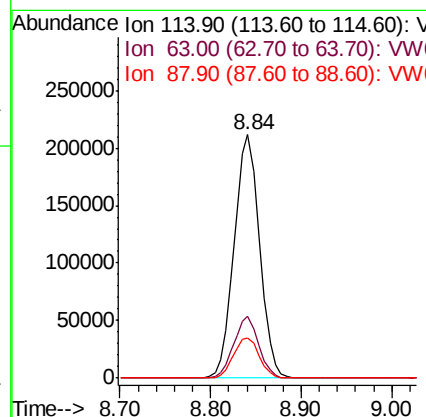
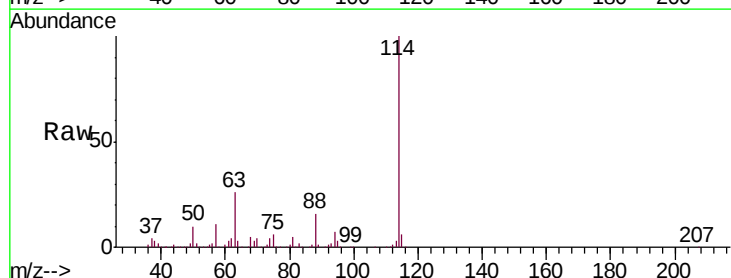
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S3-(0)

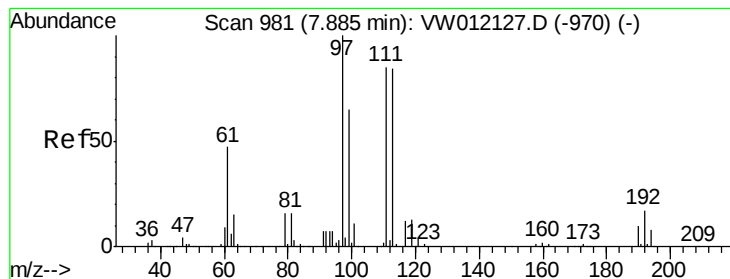
Tgt Ion: 65 Resp: 161996
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012189.D
 Acq: 26 Aug 2019 23:24

Tgt Ion: 114 Resp: 411565
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 48.6
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.968 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(0)

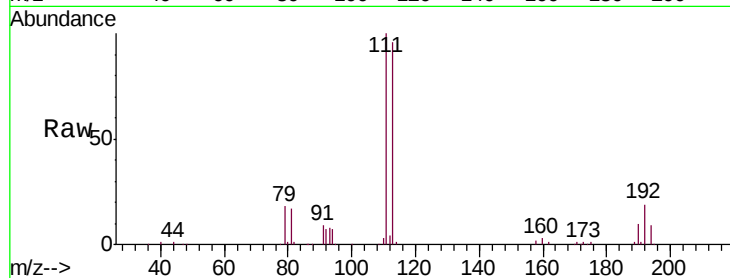
Tgt Ion:113 Resp: 127667

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

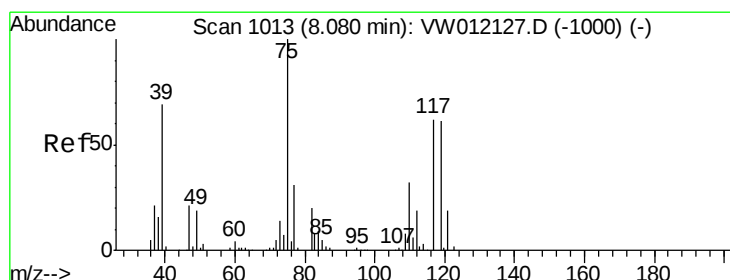
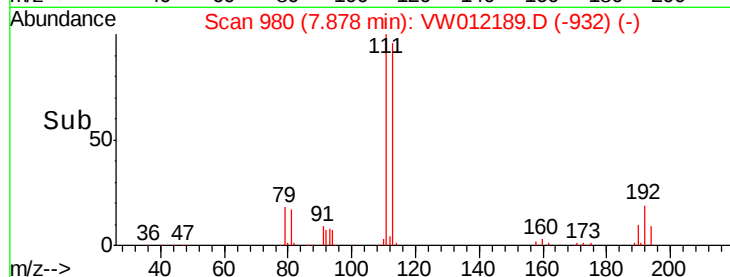
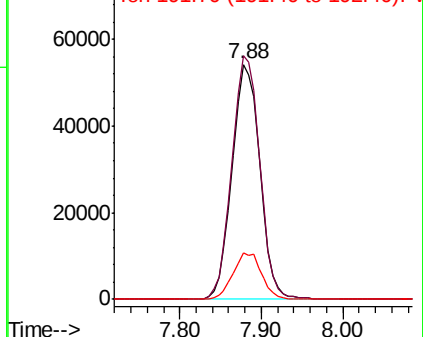
192 20.2 16.2 24.2



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: 5.056 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

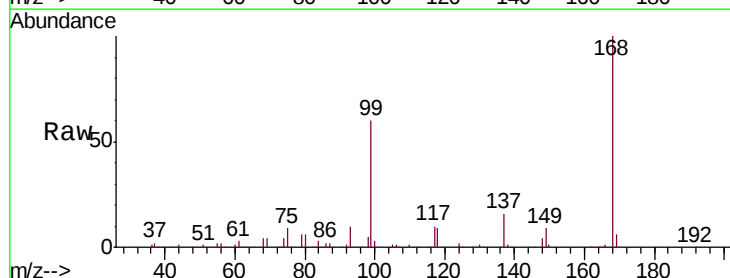
Tgt Ion: 75 Resp: 21503

Ion Ratio Lower Upper

75 100

110 8.2 15.6 46.8#

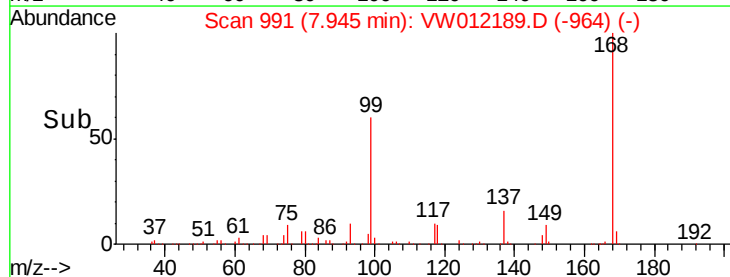
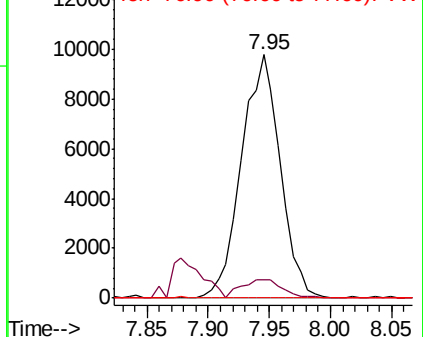
77 0.0 24.6 36.8#

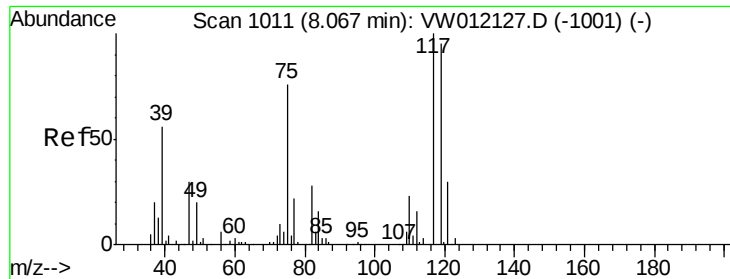


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(0)

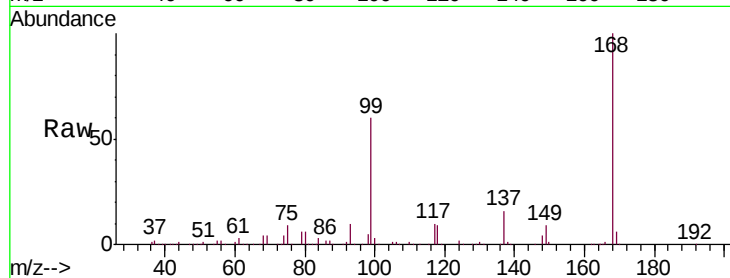
Tgt Ion:117 Resp: 24802

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

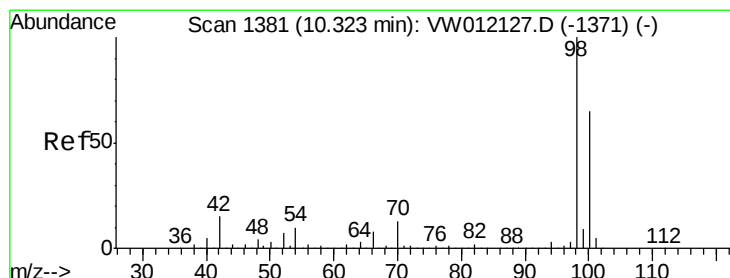
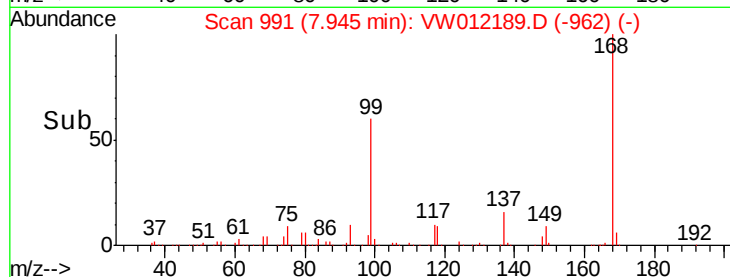
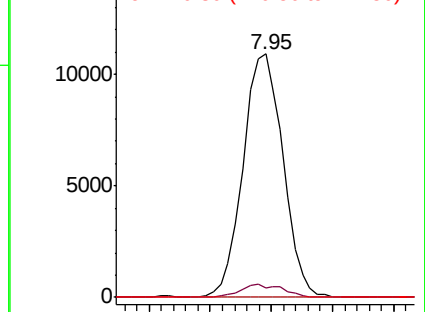
121 0.0 23.8 35.8#



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



#50

Toluene-d8

Concen: 50.373 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012189.D

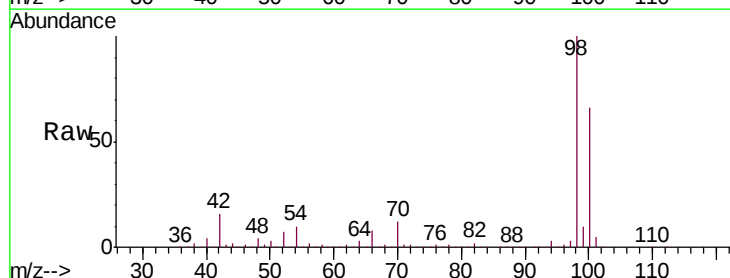
Acq: 26 Aug 2019 23:24

Tgt Ion: 98 Resp: 501766

Ion Ratio Lower Upper

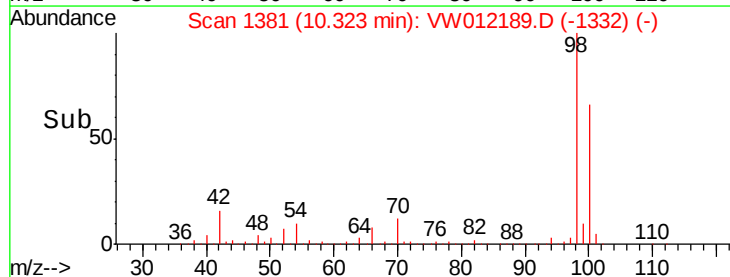
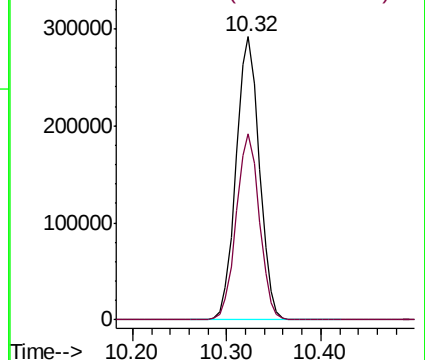
98 100

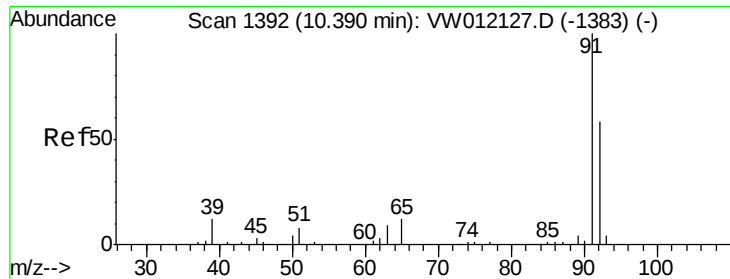
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.287 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

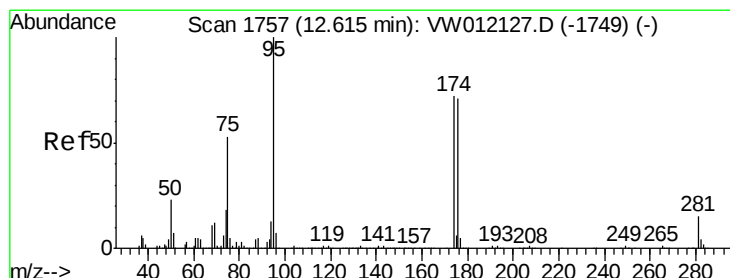
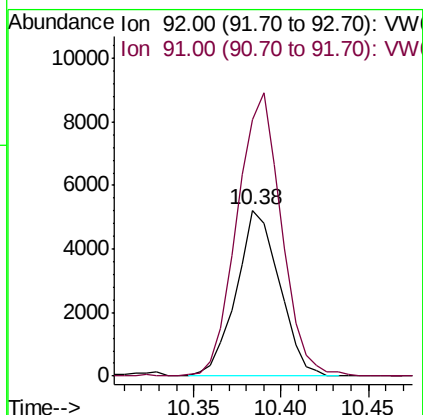
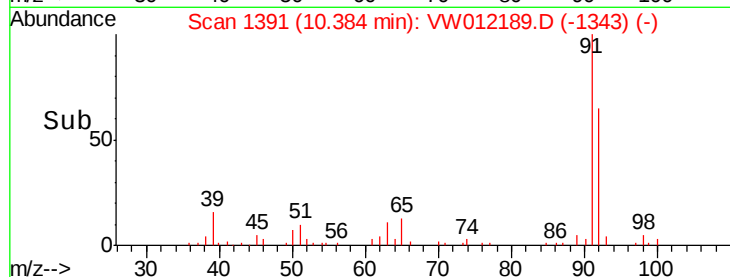
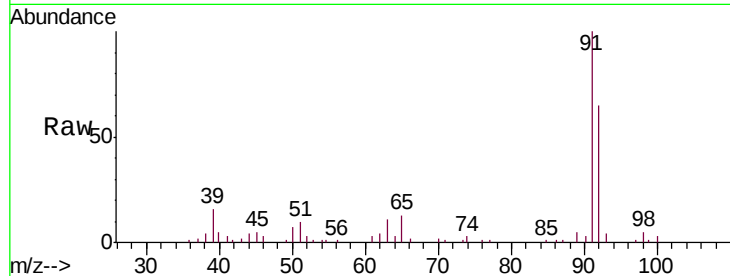
T1-S3-(0)

Tgt Ion: 92 Resp: 8979

Ion Ratio Lower Upper

92 100

91 175.5 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 39.940 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

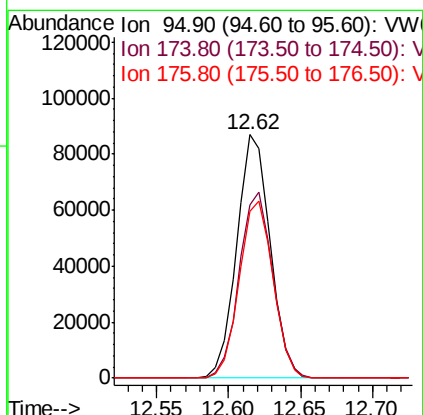
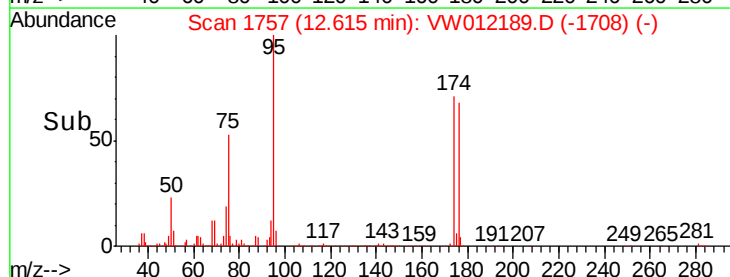
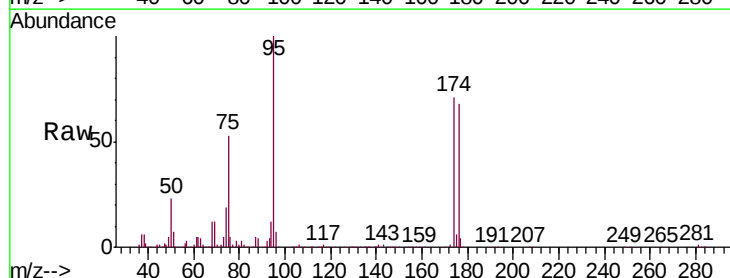
Tgt Ion: 95 Resp: 140237

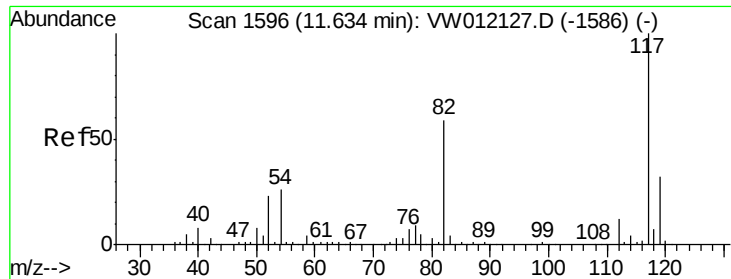
Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.8

176 73.5 0.0 148.6

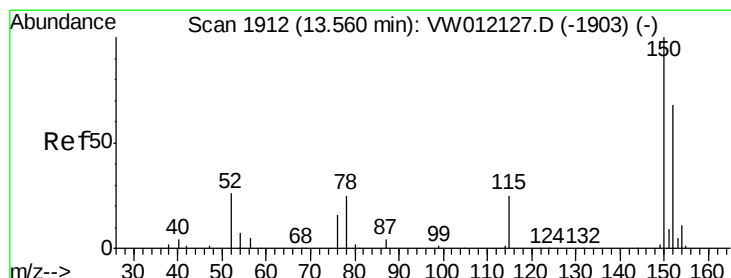
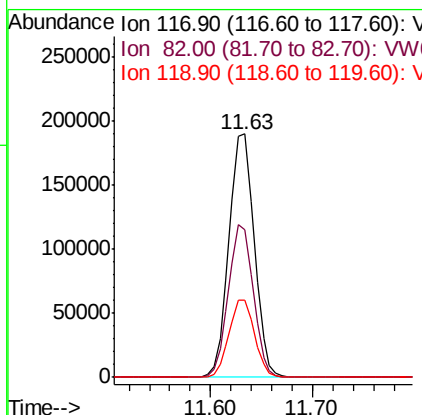
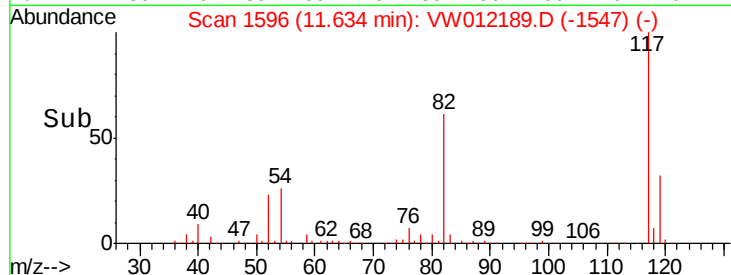
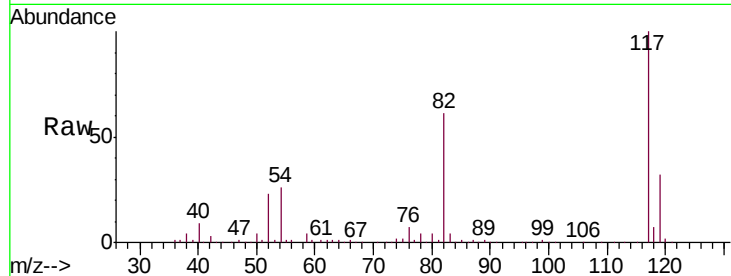




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012189.D
Acq: 26 Aug 2019 23:24

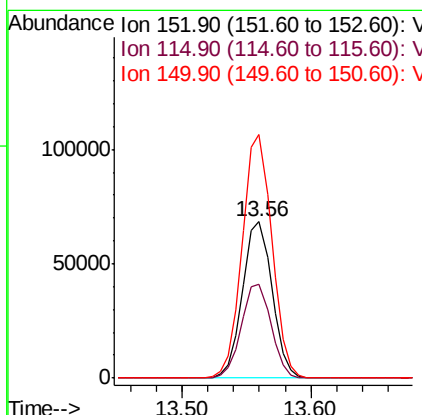
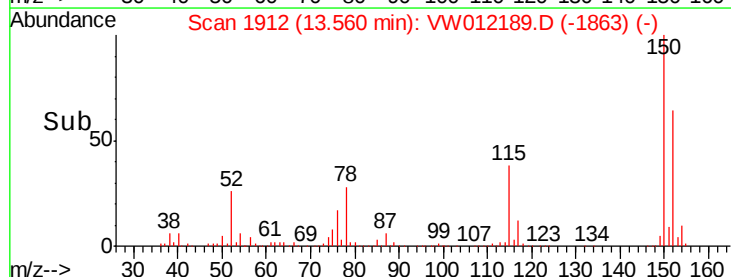
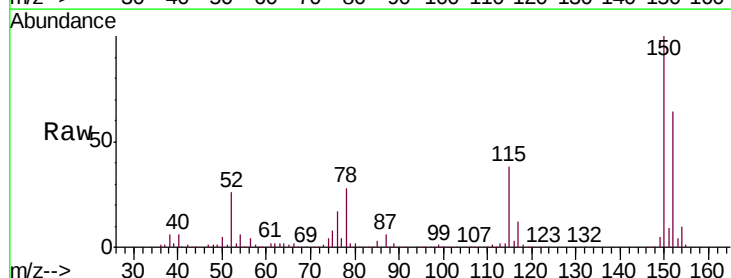
Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(0)

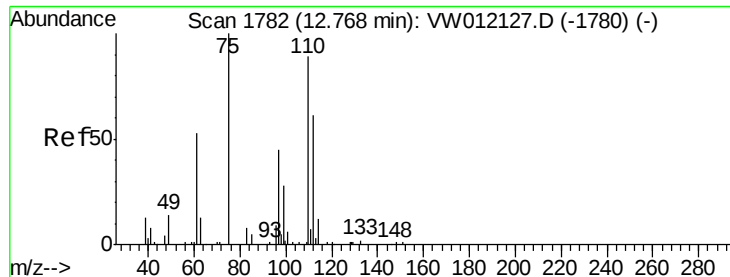
Tgt Ion:117 Resp: 325195
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012189.D
Acq: 26 Aug 2019 23:24

Tgt Ion:152 Resp: 109084
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.3
150 155.4 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 70.987 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampled :

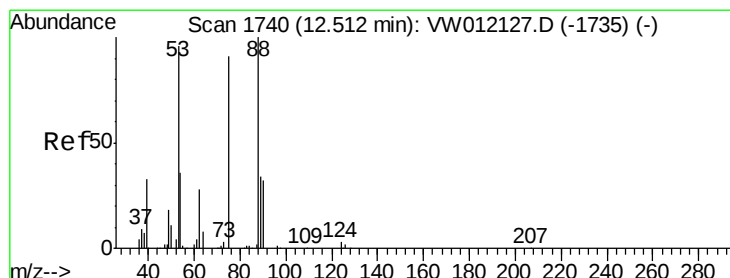
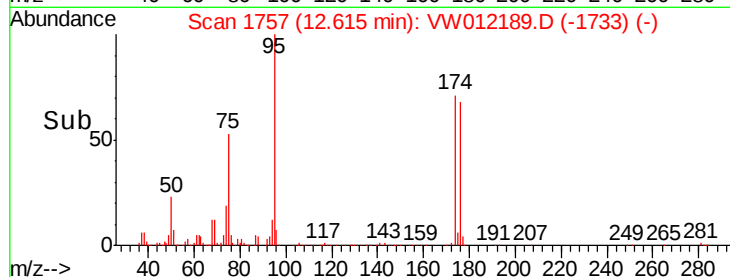
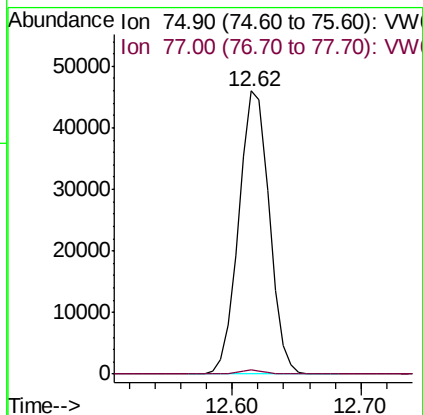
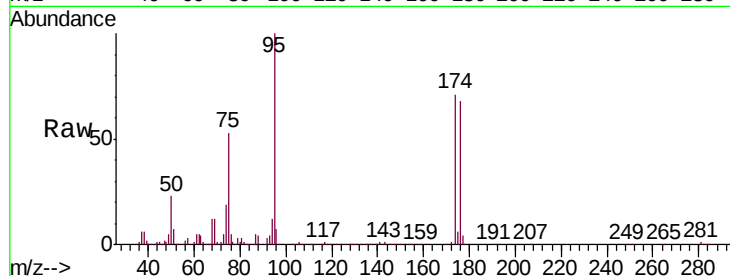
T1-S3-(0)

Tgt Ion: 75 Resp: 75417

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.642 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012189.D

Acq: 26 Aug 2019 23:24

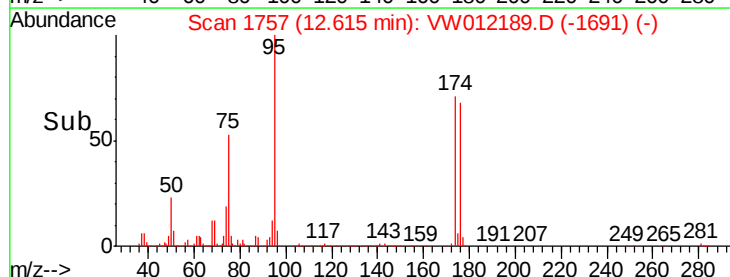
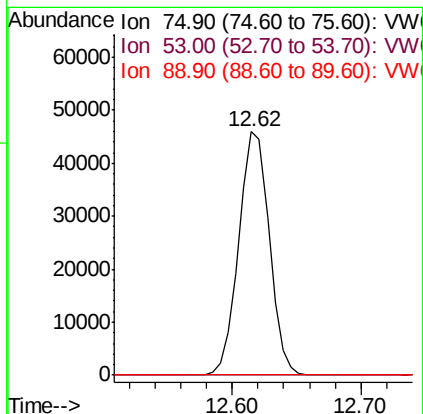
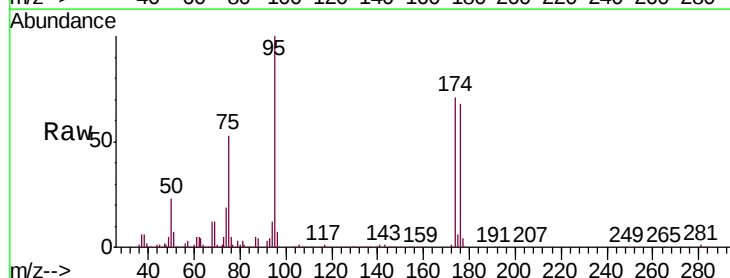
Tgt Ion: 75 Resp: 75417

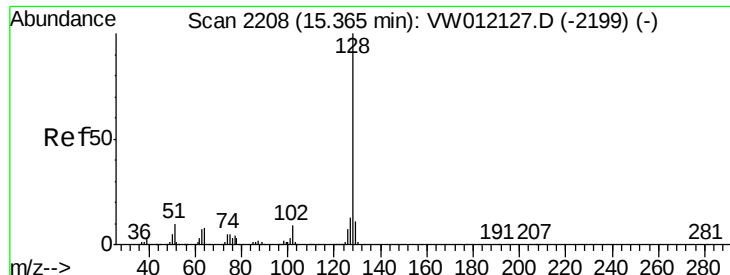
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#

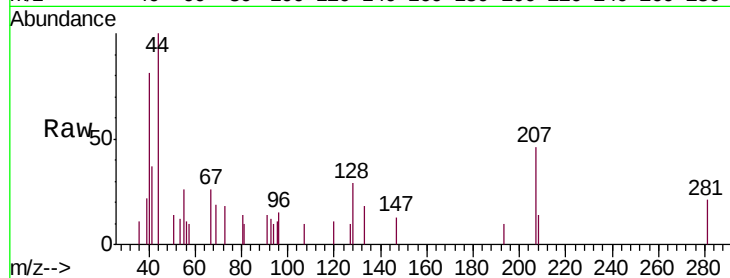




#95
Naphthalene
Concen: 4.376 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012189.D
Acq: 26 Aug 2019 23:24

Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.7	16.1#
129	0.0	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

