

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012238.D
 Acq On : 28 Aug 2019 06:42
 Operator : SY/VA
 Sample : K4472-10
 Misc : 5.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1(2.5)

Quant Time: Aug 28 07:28:58 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	36177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	49813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	13642	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	26849	62.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.86%	
35) Dibromofluoromethane	7.88	113	20143	56.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.02%	
50) Toluene-d8	10.32	98	72947	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.62	95	21007	41.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.48%	

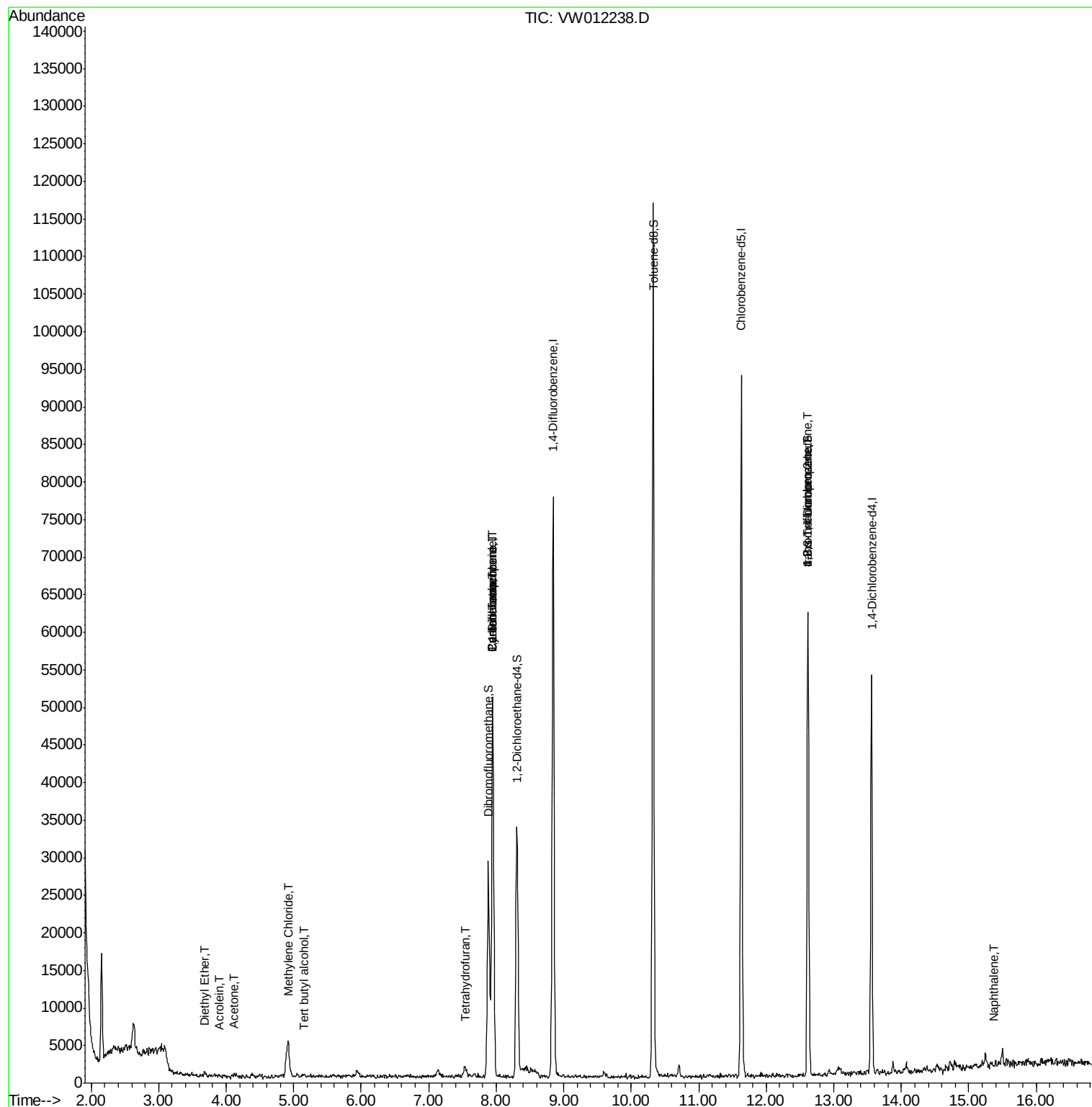
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	268	1.331	ug/l	79
11) Tert butyl alcohol	5.17	59	88	3.400	ug/l #	71
13) Acrolein	3.89	56	55	2.258	ug/l #	15
16) Acetone	4.12	43	334	3.038	ug/l #	83
20) Methylene Chloride	4.92	84	3168	7.623	ug/l #	89
29) Tetrahydrofuran	7.54	42	1313	14.650	ug/l	97
31) Cyclohexane	7.95	56	1075	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3270	5.299	ug/l #	54
38) Carbon Tetrachloride	7.95	117	3777	7.072	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	10596	79.751	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10596	174.857	ug/l #	6
95) Naphthalene	15.36	128	39	4.390	ug/l #	69

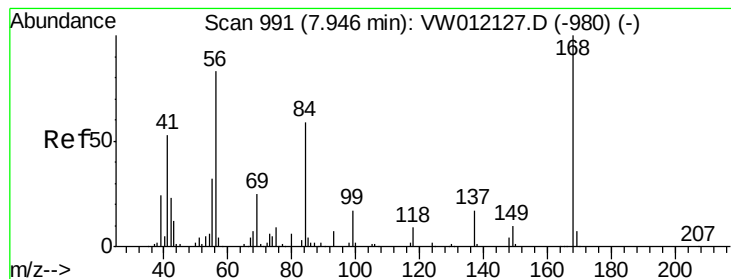
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012238.D

Acq: 28 Aug 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

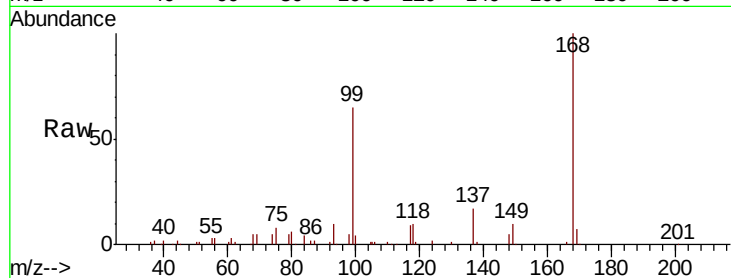
T2-S1(2.5)

Tgt Ion:168 Resp: 36177

Ion Ratio Lower Upper

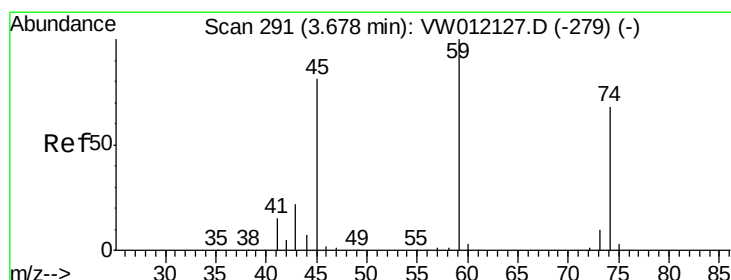
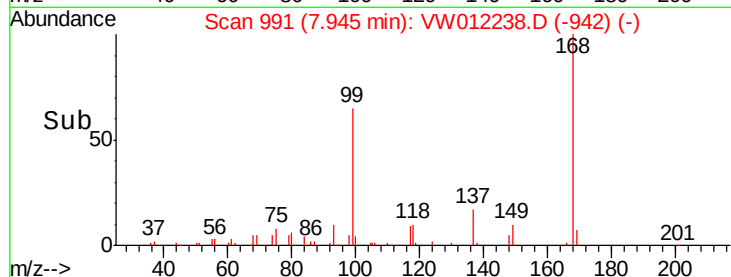
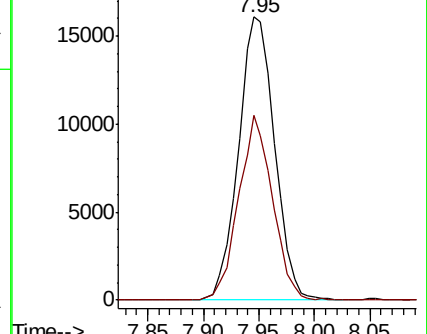
168 100

99 65.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.331 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012238.D

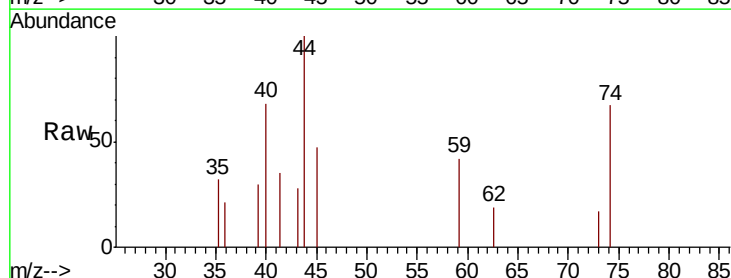
Acq: 28 Aug 2019 06:42

Tgt Ion: 74 Resp: 268

Ion Ratio Lower Upper

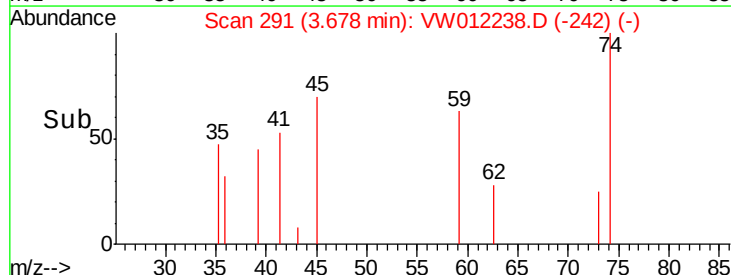
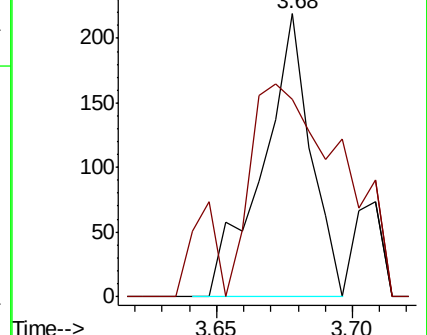
74 100

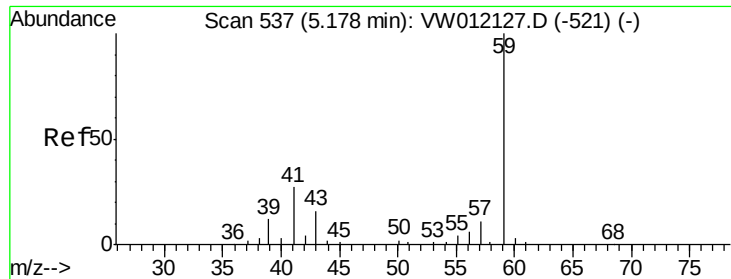
45 141.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

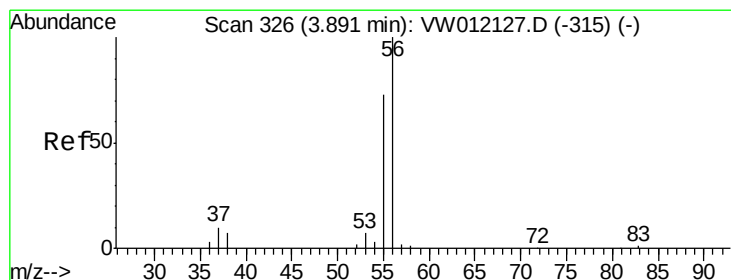
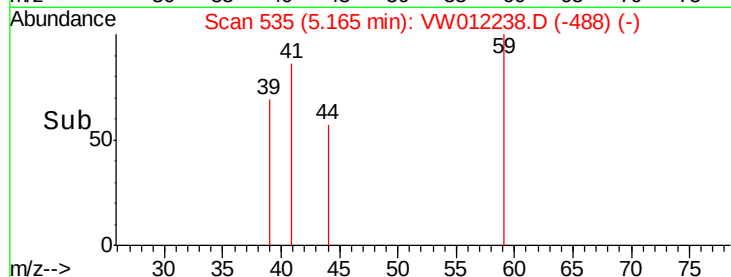
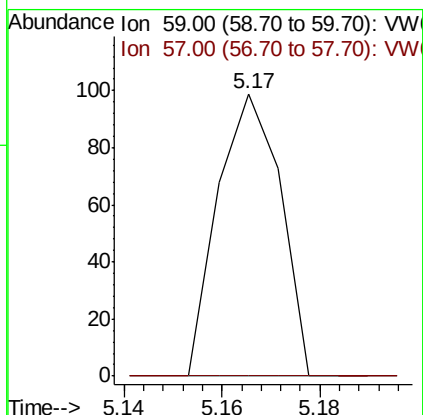
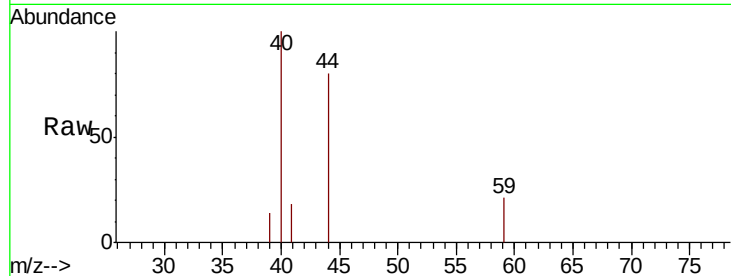




#11
Tert butyl alcohol
Concen: 3.400 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

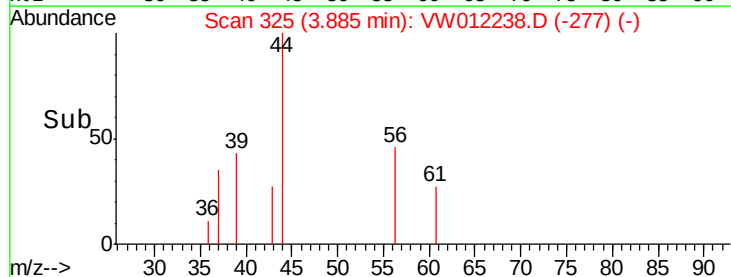
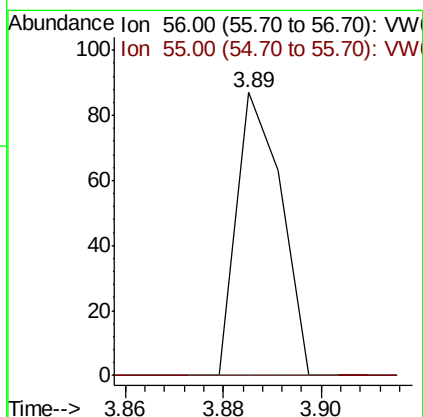
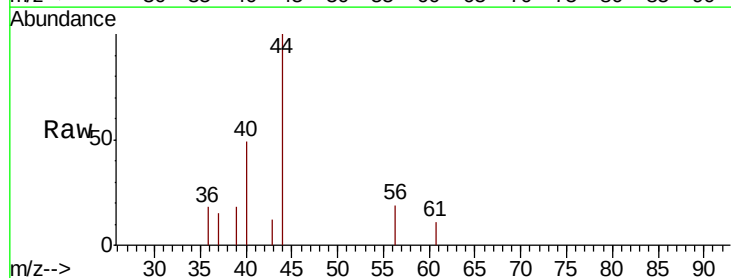
Instrument :
MSVOA_W
ClientSampled :
T2-S1(2.5)

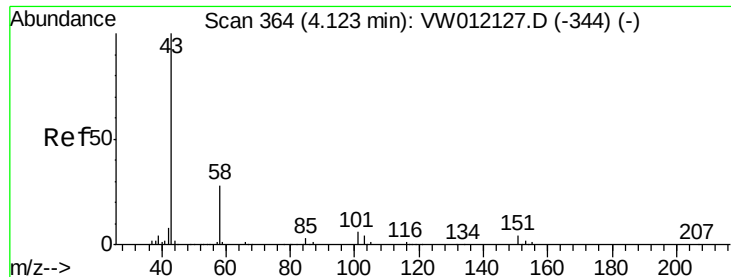
Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 2.258 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

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

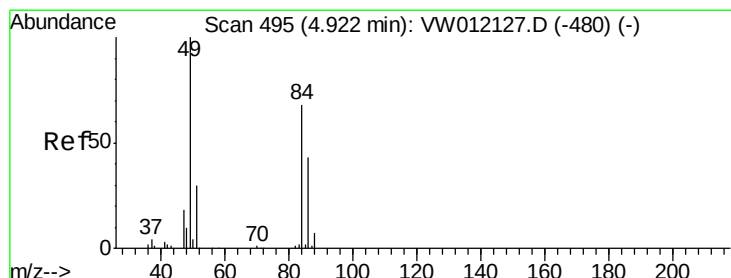
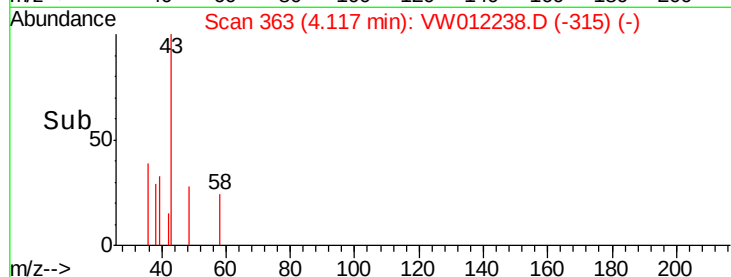
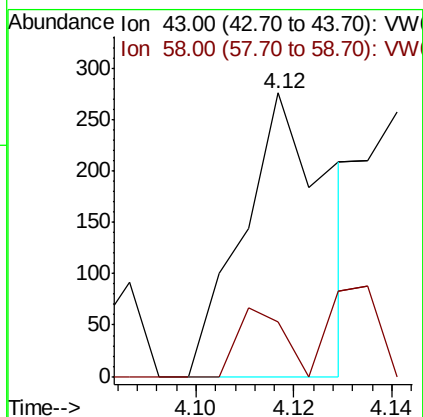
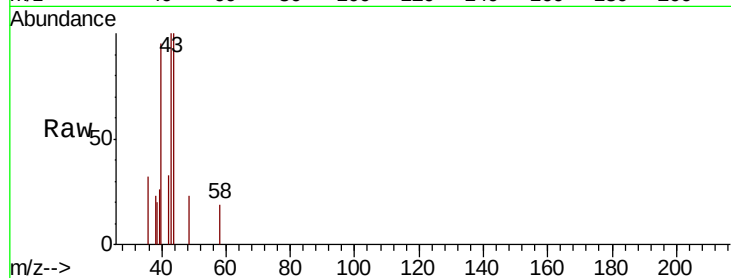




#16
Acetone
Concen: 3.038 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

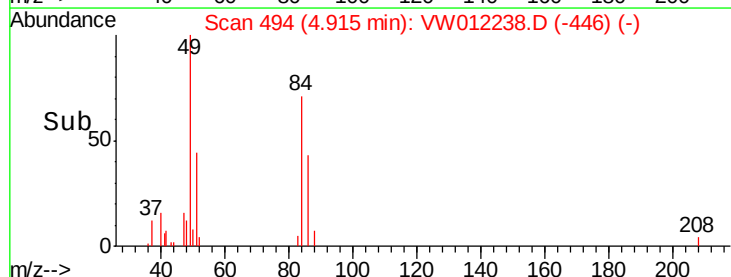
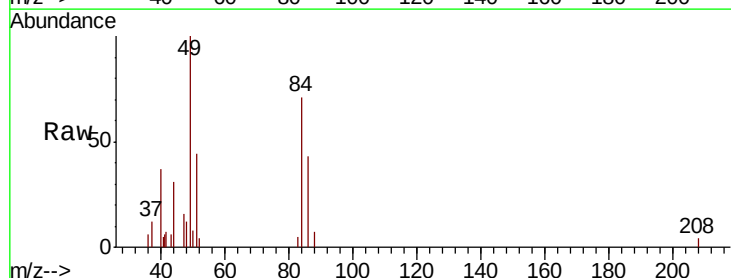
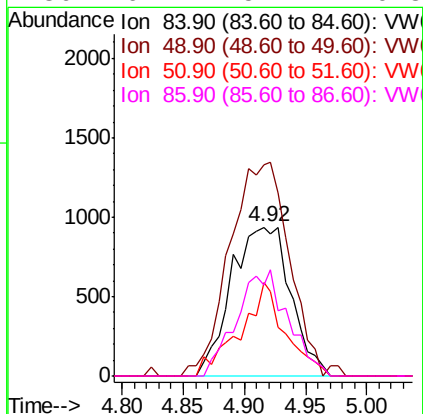
Instrument :
MSVOA_W
ClientSampleId :
T2-S1(2.5)

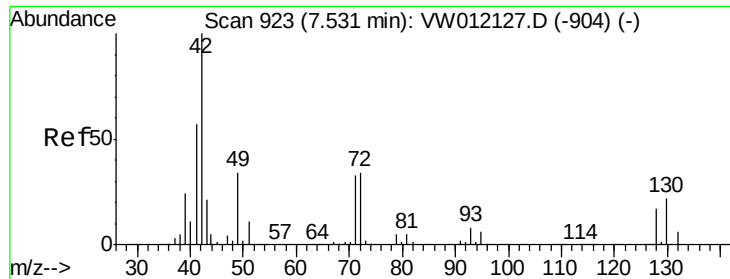
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
58 19.2 22.4 33.6#



#20
Methylene Chloride
Concen: 7.623 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

Tgt Ion: 84 Resp: 3168
Ion Ratio Lower Upper
84 100
49 135.0 117.8 176.8
51 63.0 35.6 53.4#
86 61.4 51.2 76.8





#29

Tetrahydrofuran

Concen: 14.650 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012238.D

Acq: 28 Aug 2019 06:42

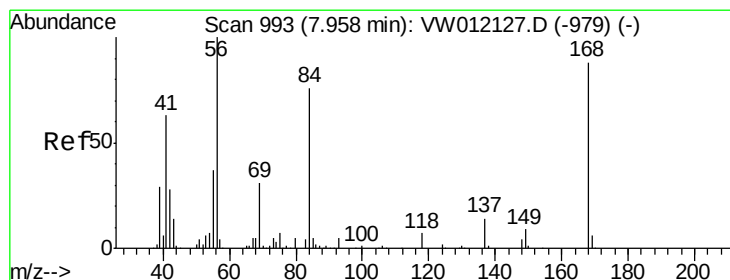
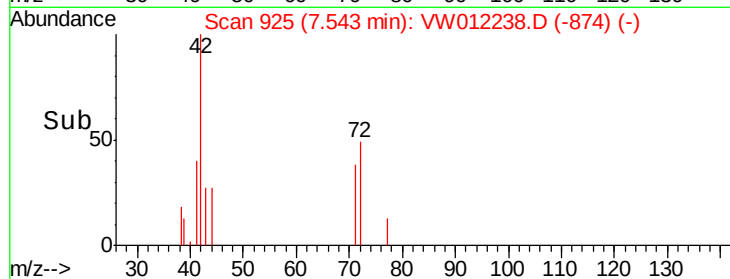
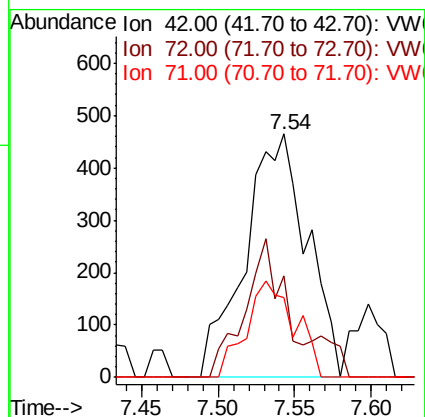
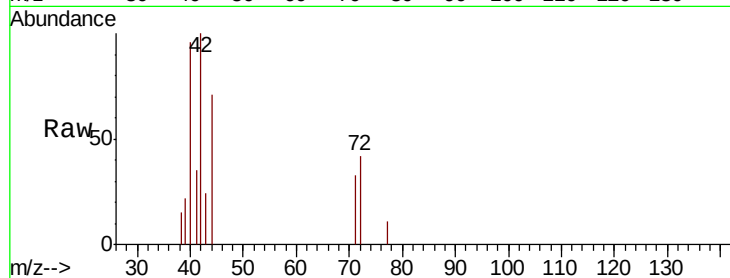
Instrument :

MSVOA_W

ClientSampled :

T2-S1(2.5)

Tgt Ion:	42	Resp:	1313
Ion	Ratio	Lower	Upper
42	100		
72	35.9	27.3	40.9
71	30.9	25.5	38.3



#31

Cyclohexane

Concen: 1.388 ug/l

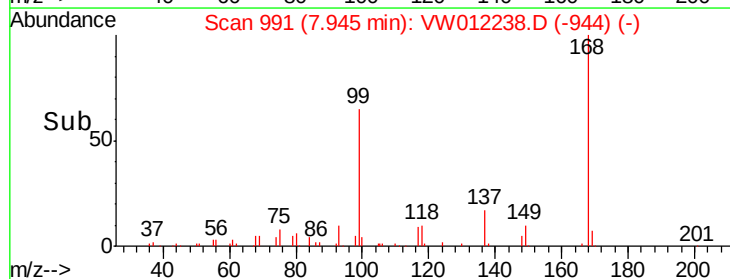
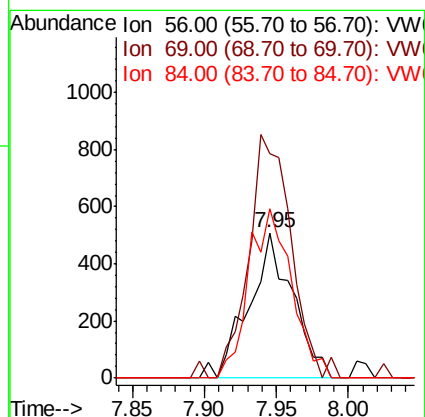
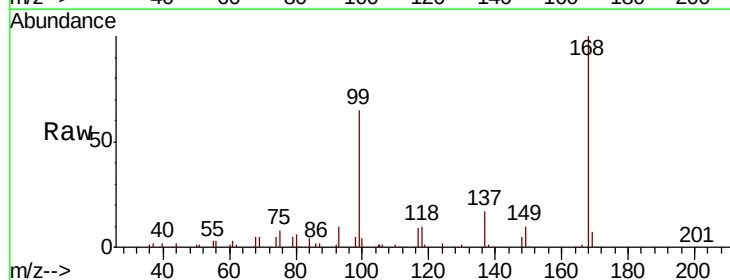
RT: 7.95 min Scan# 991

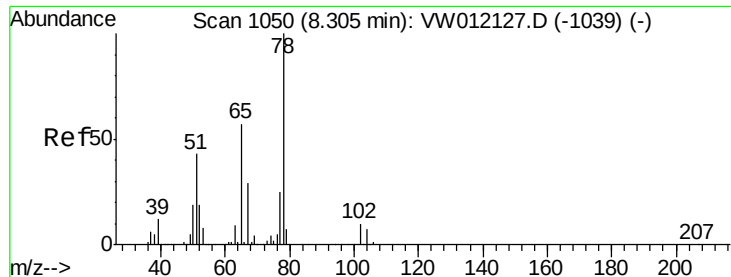
Delta R.T. -0.01 min

Lab File: VW012238.D

Acq: 28 Aug 2019 06:42

Tgt Ion:	56	Resp:	1075
Ion	Ratio	Lower	Upper
56	100		
69	155.1	24.9	37.3#
84	116.7	60.6	90.8#

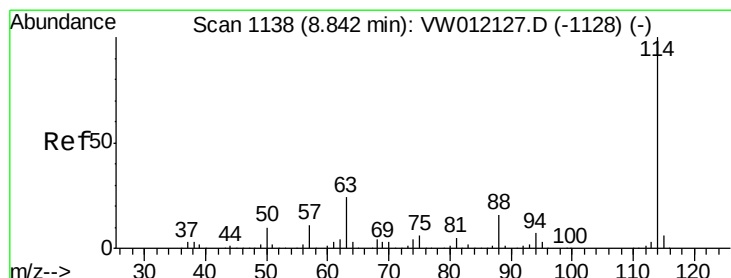
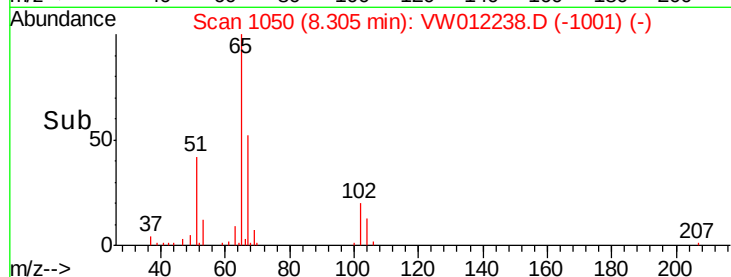
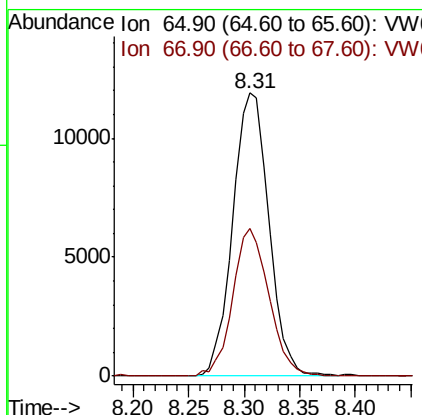
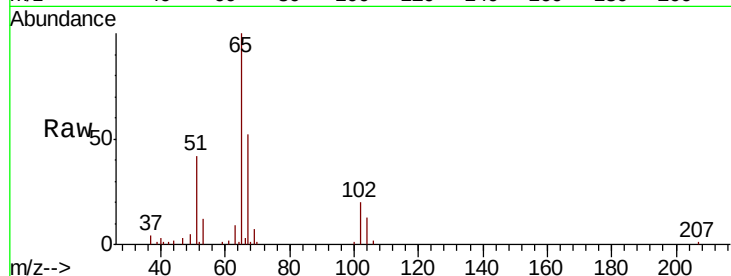




#33
 1,2-Dichloroethane-d4
 Concen: 62.431 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012238.D
 Acq: 28 Aug 2019 06:42

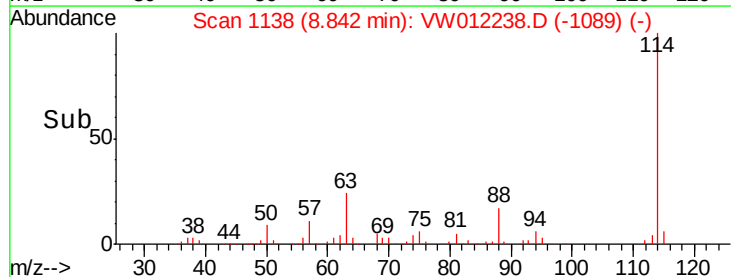
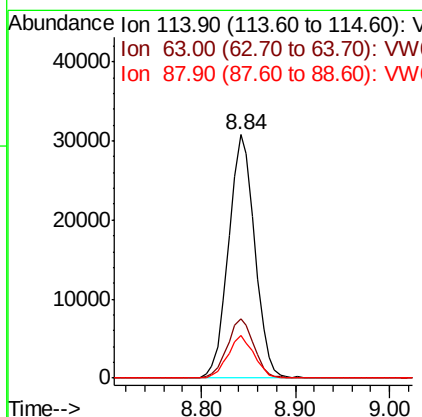
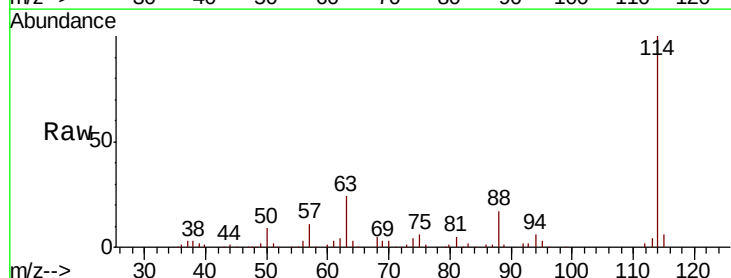
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1(2.5)

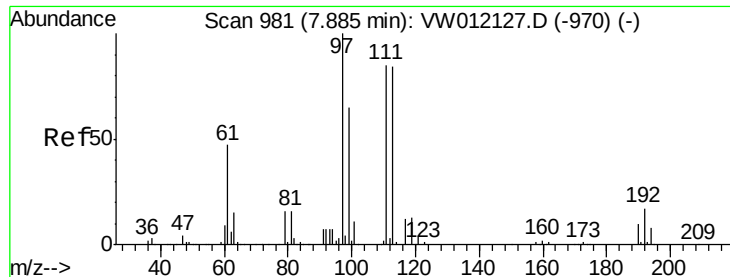
Tgt Ion: 65 Resp: 26849
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012238.D
 Acq: 28 Aug 2019 06:42

Tgt Ion: 114 Resp: 59713
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 17.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 56.513 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012238.D

Acq: 28 Aug 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(2.5)

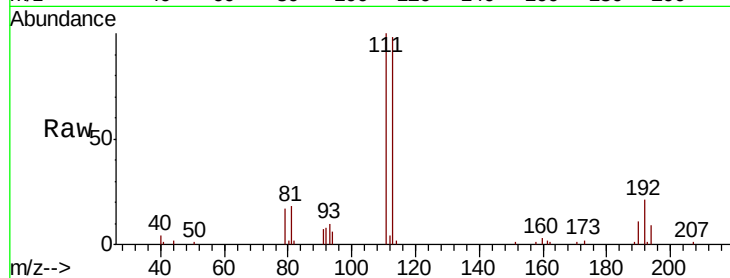
Tgt Ion:113 Resp: 20143

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

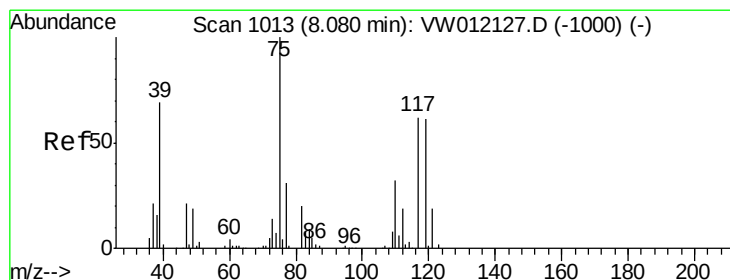
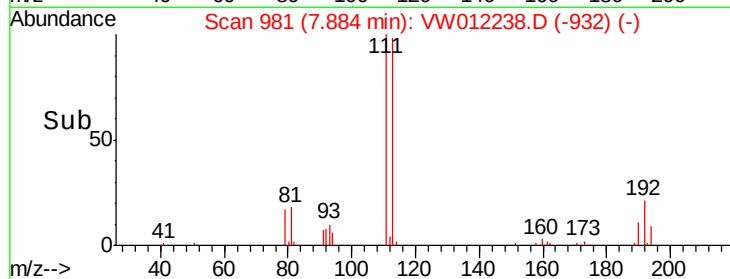
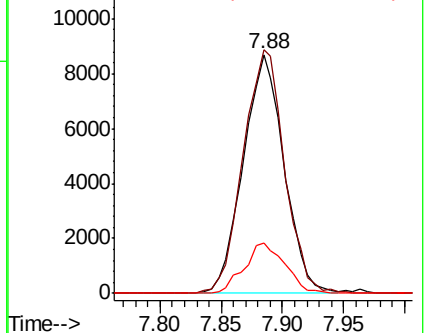
192 21.1 16.2 24.2



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: 5.299 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012238.D

Acq: 28 Aug 2019 06:42

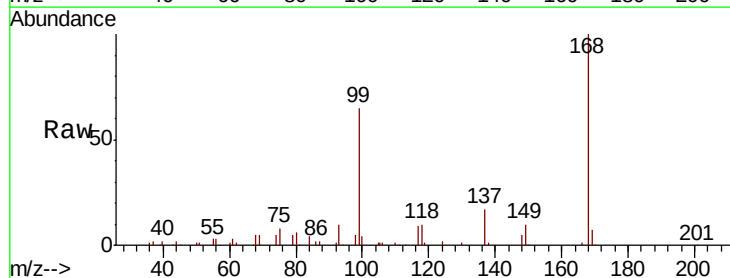
Tgt Ion: 75 Resp: 3270

Ion Ratio Lower Upper

75 100

110 11.7 15.6 46.8#

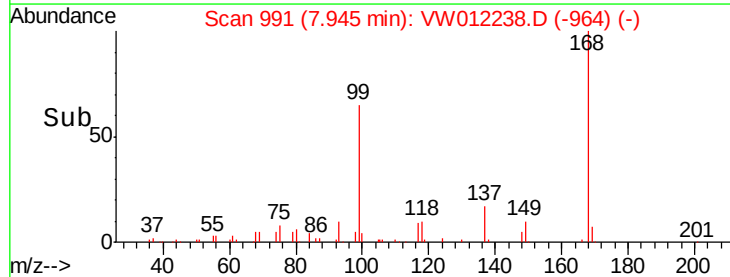
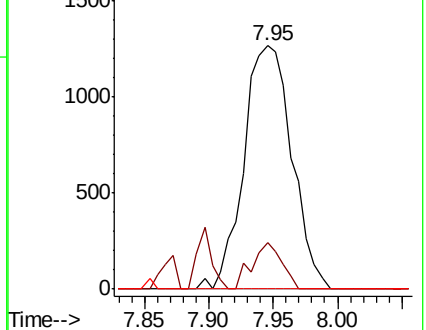
77 0.0 24.6 36.8#

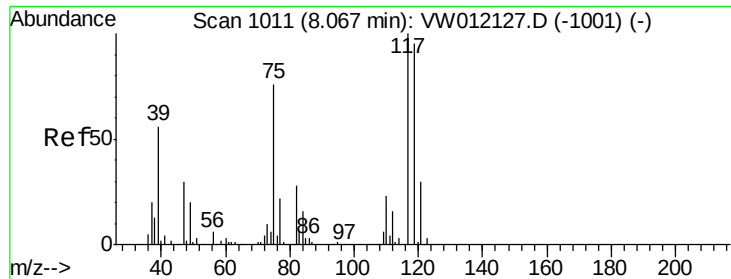


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

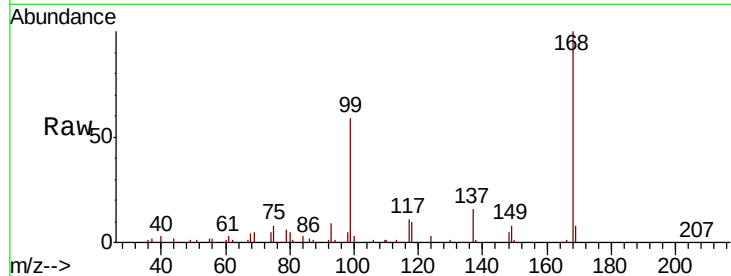




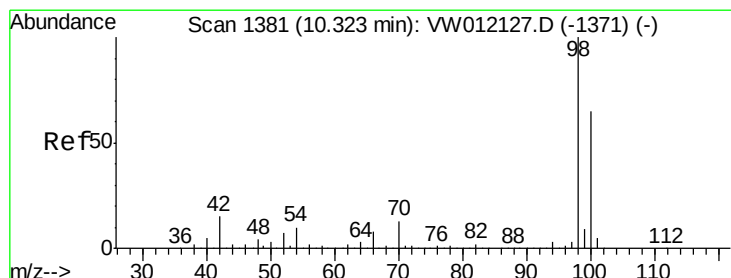
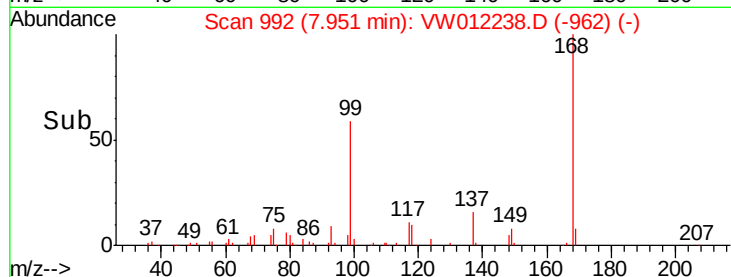
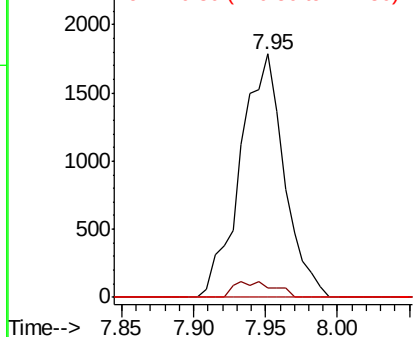
#38
Carbon Tetrachloride
Concen: 7.072 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

Instrument :
MSVOA_W
ClientSampled :
T2-S1(2.5)

Tgt Ion:117 Resp: 3777
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 23.8 35.8#

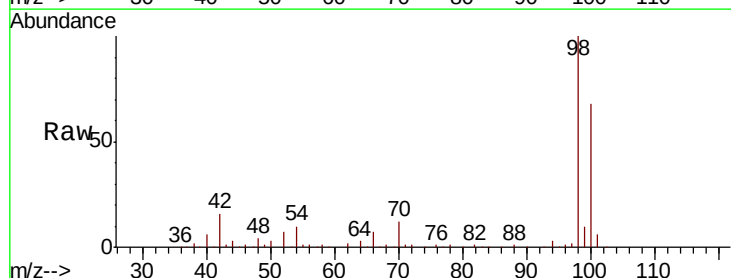


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

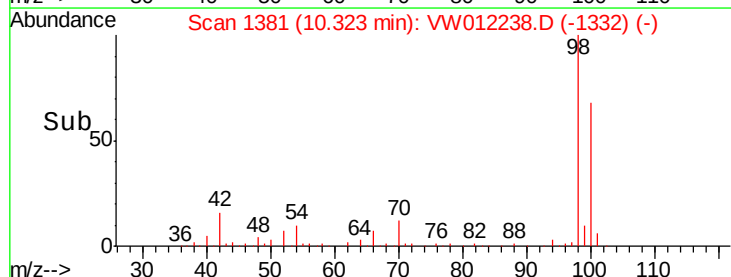
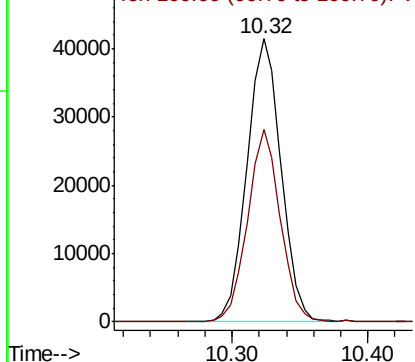


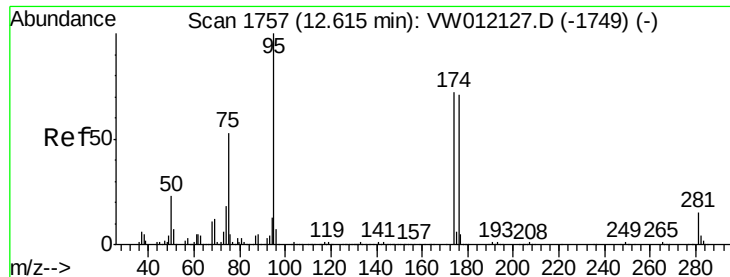
#50
Toluene-d8
Concen: 50.475 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

Tgt Ion: 98 Resp: 72947
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

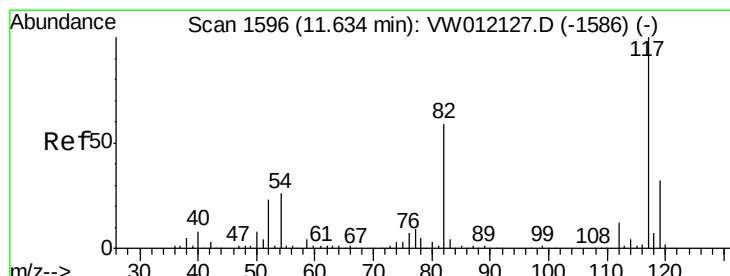
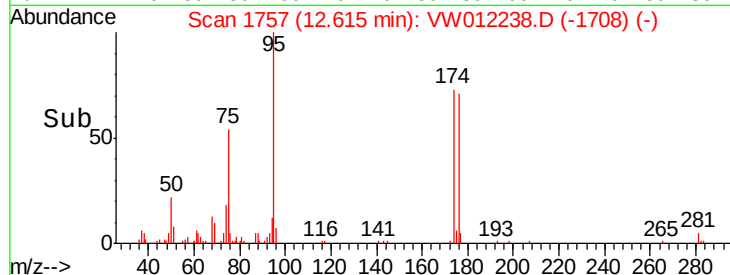
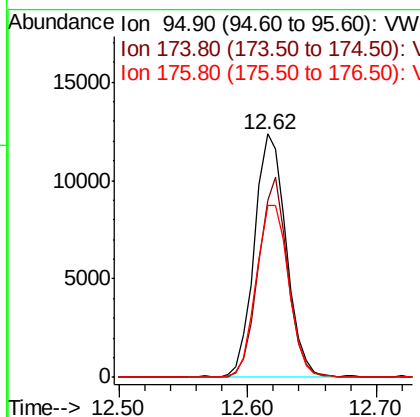
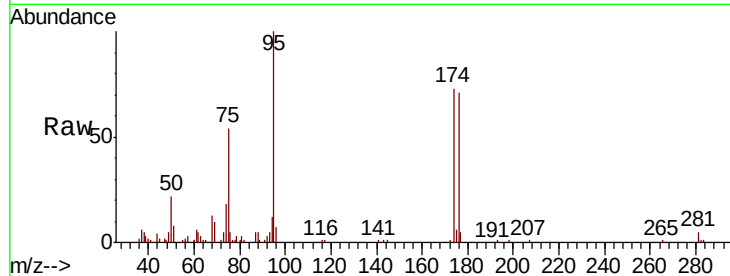




#62
4-Bromofluorobenzene
Concen: 41.236 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

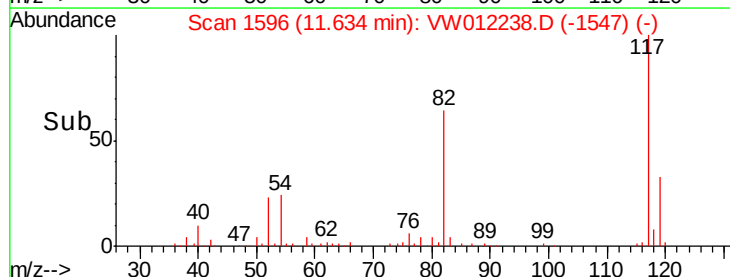
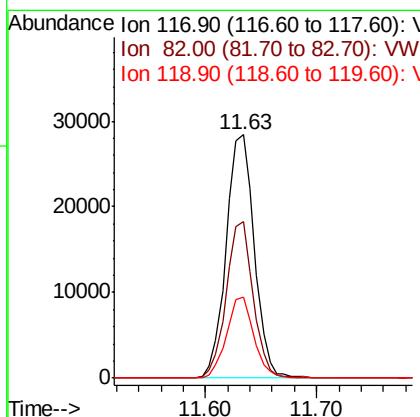
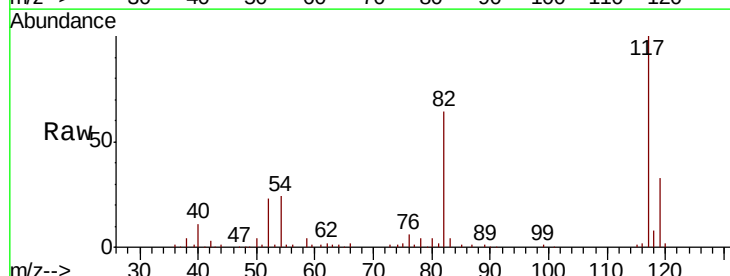
Instrument :
MSVOA_W
ClientSampleId :
T2-S1(2.5)

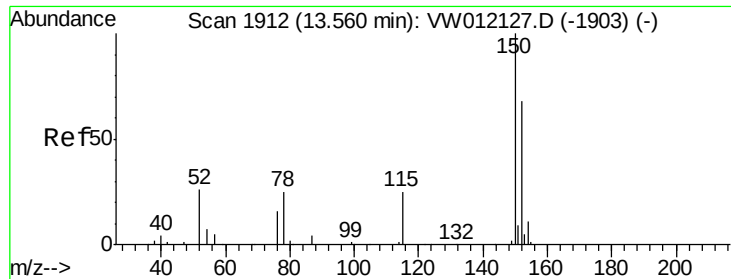
Tgt Ion: 95 Resp: 21007
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 72.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012238.D
Acq: 28 Aug 2019 06:42

Tgt Ion: 117 Resp: 49813
Ion Ratio Lower Upper
117 100
82 64.2 47.4 71.2
119 33.1 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: VW012238.D

Acq: 28 Aug 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(2.5)

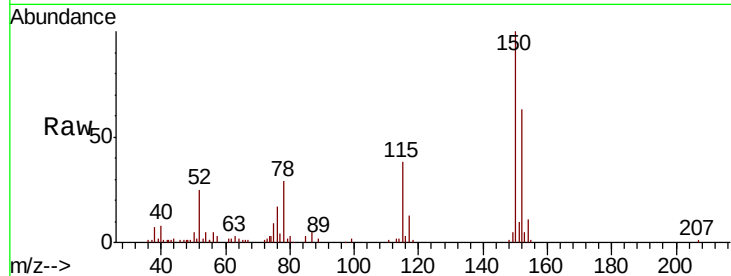
Tgt Ion:152 Resp: 13642

Ion Ratio Lower Upper

152 100

115 62.7 30.1 90.3

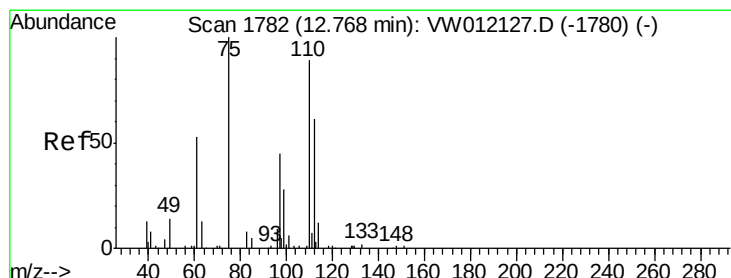
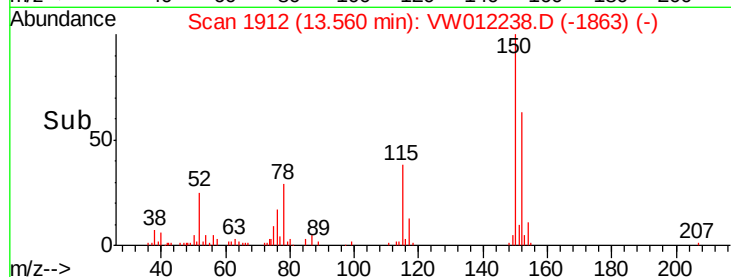
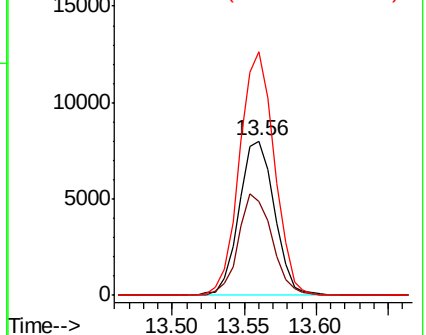
150 155.1 0.0 345.8



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: 79.751 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012238.D

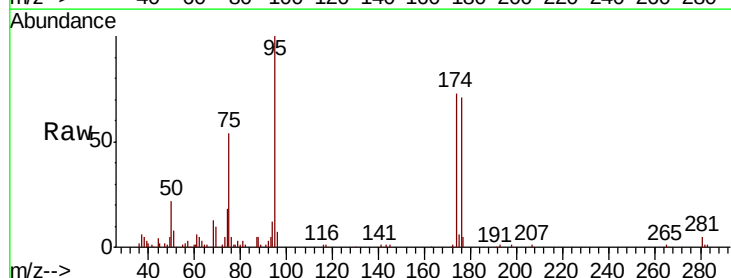
Acq: 28 Aug 2019 06:42

Tgt Ion: 75 Resp: 10596

Ion Ratio Lower Upper

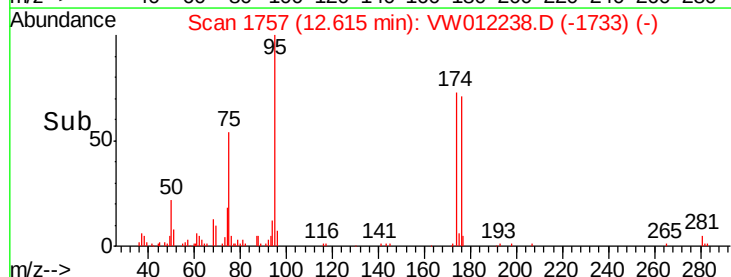
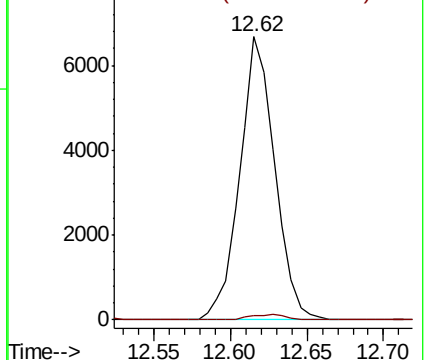
75 100

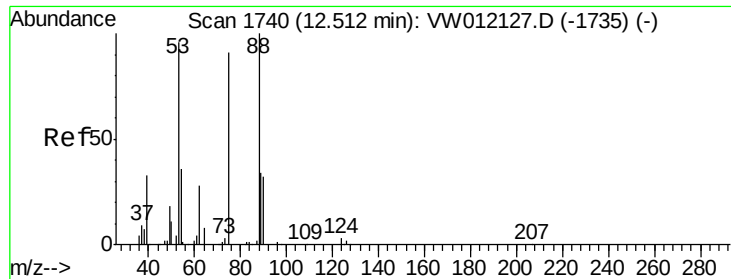
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

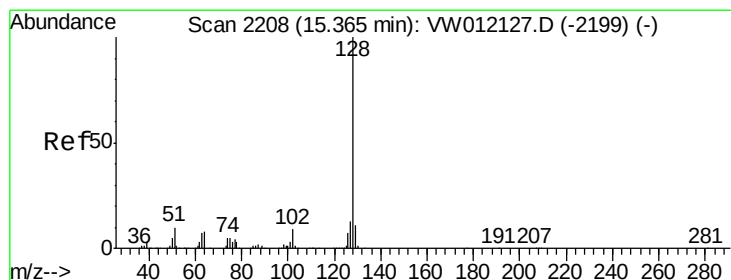
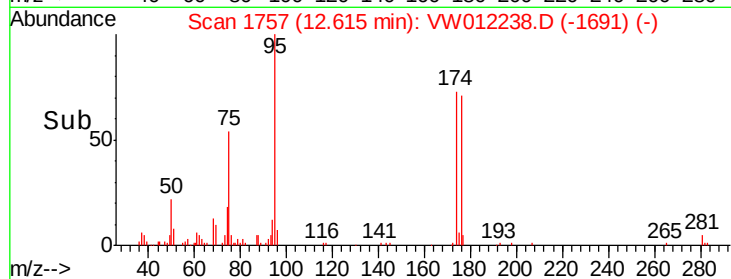
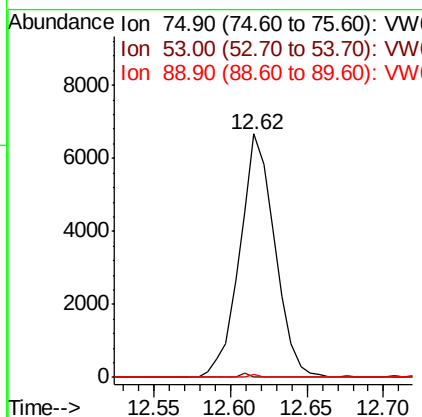
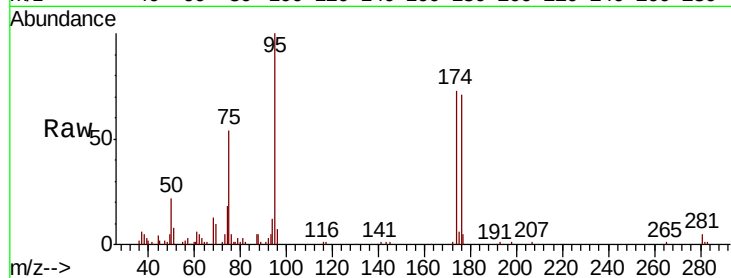




#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.857 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012238.D
 Acq: 28 Aug 2019 06:42

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1(2.5)

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	89.4	134.0#
89	0.2	34.5	51.7#



#95
 Naphthalene
 Concen: 4.390 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012238.D
 Acq: 28 Aug 2019 06:42

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

