

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012236.D
 Acq On : 28 Aug 2019 05:51
 Operator : SY/VA
 Sample : K4472-08
 Misc : 5.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(2.5)

Quant Time: Aug 28 07:28:34 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	276207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104816	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	164901	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	7.88	113	134960	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.32	98	532242	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.62	95	145358	37.96	ug/l	0.00
Spiked Amount			Recovery	=	75.92%	

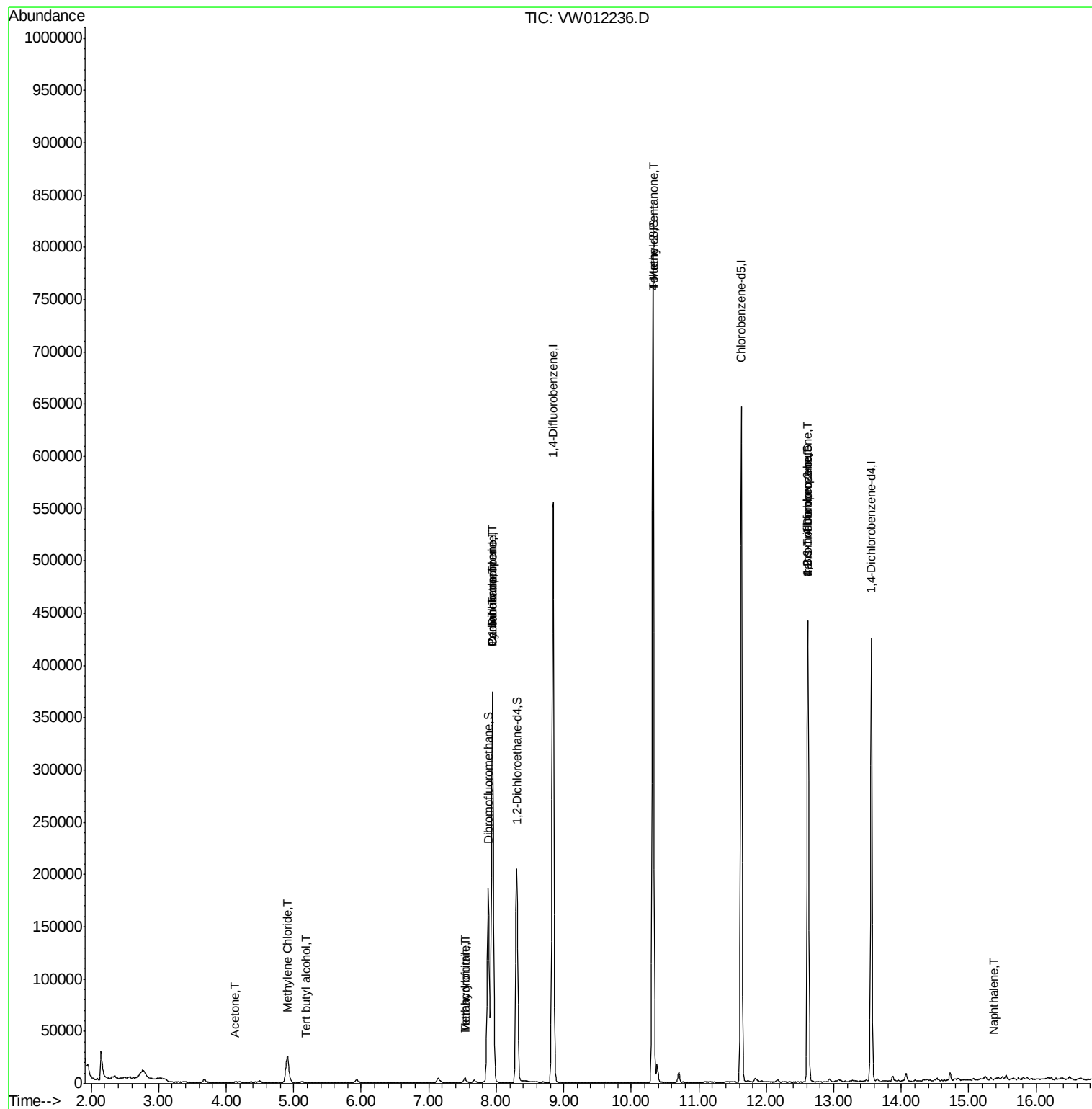
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	471	2.384	ug/l #	71
16) Acetone	4.13	43	1327	1.581	ug/l	93
20) Methylene Chloride	4.90	84	17955	5.659	ug/l	98
29) Tetrahydrofuran	7.53	42	4028	5.887	ug/l	94
31) Cyclohexane	7.94	56	6835	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23303	5.024	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26879	6.695	ug/l #	16
41) Methacrylonitrile	7.54	41	2522	1.688	ug/l #	56
51) 4-Methyl-2-Pentanone	10.32	43	3240	1.353	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75966	74.416	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75966	163.159	ug/l #	6
95) Naphthalene	15.36	128	470	4.430	ug/l #	90

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

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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: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

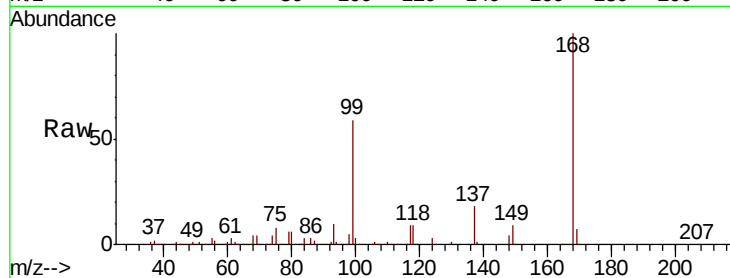
T1-S4(2.5)

Tgt Ion:168 Resp: 276207

Ion Ratio Lower Upper

168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

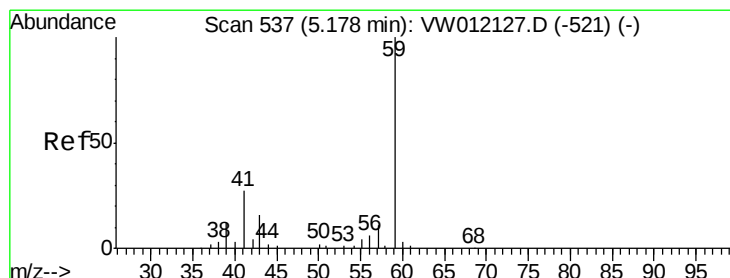
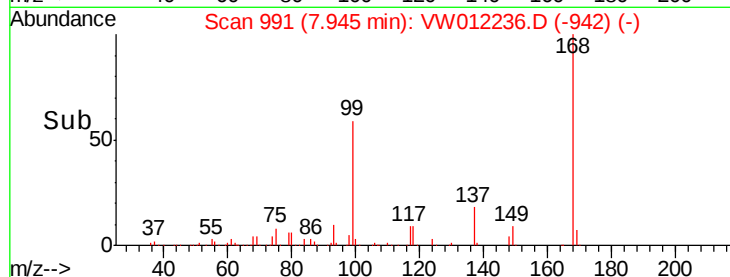
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.384 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012236.D

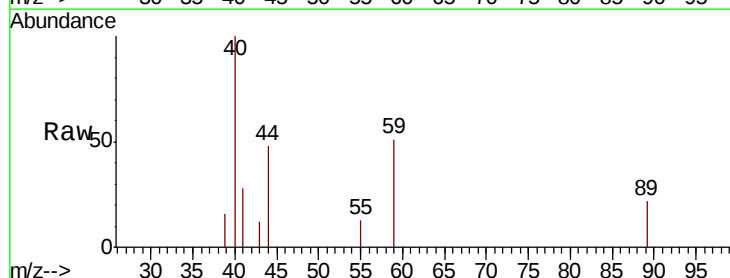
Acq: 28 Aug 2019 05:51

Tgt Ion: 59 Resp: 471

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

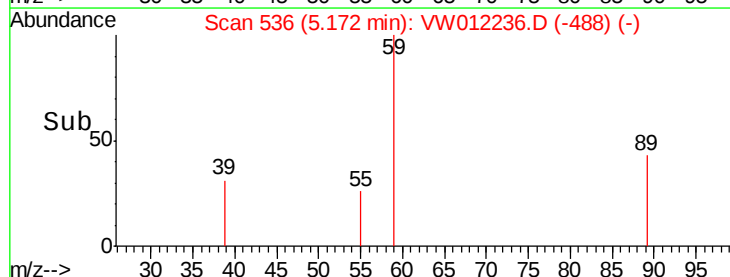
300

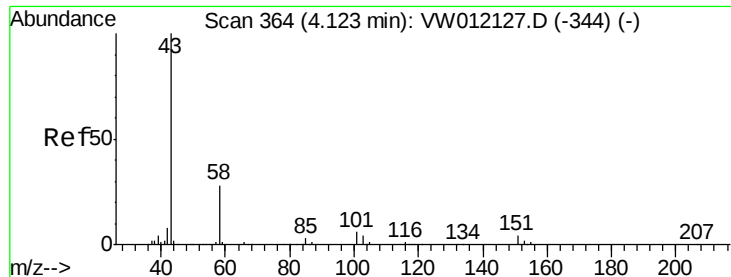
200

100

0

Time--> 5.14 5.16 5.18 5.20





#16

Acetone

Concen: 1.581 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

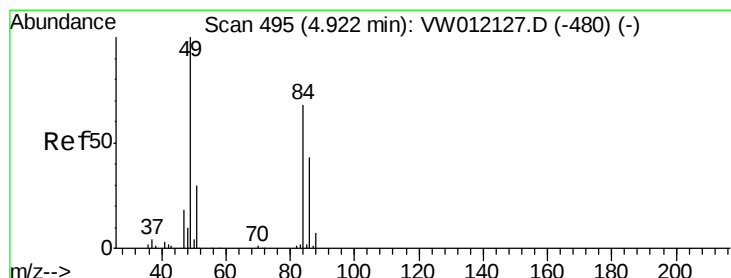
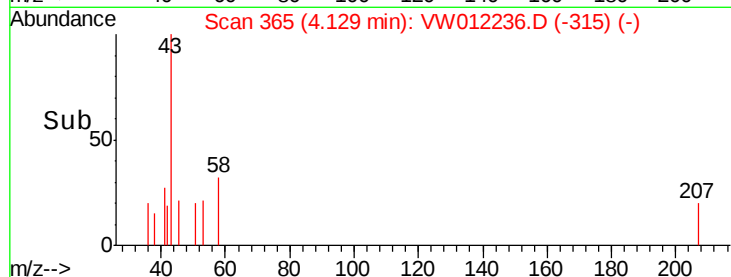
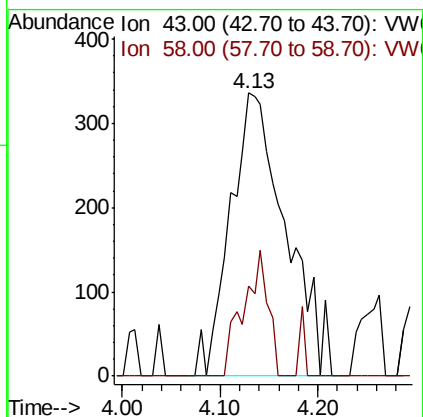
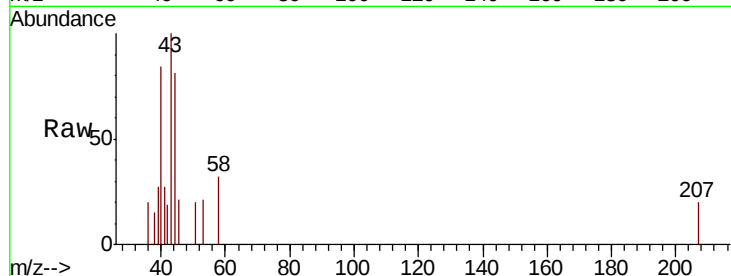
T1-S4(2.5)

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

58 31.8 22.4 33.6



#20

Methylene Chloride

Concen: 5.659 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Tgt Ion: 84 Resp: 17955

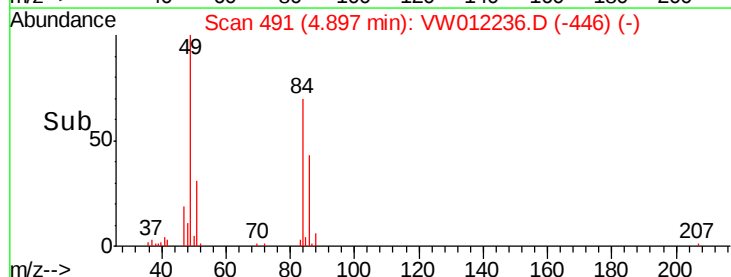
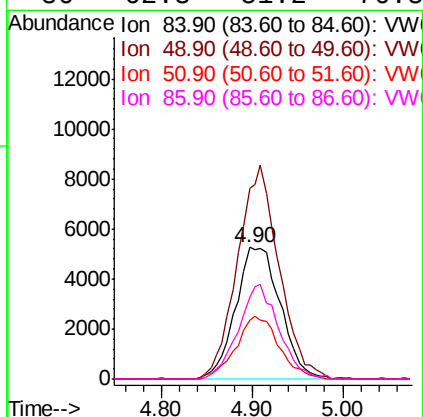
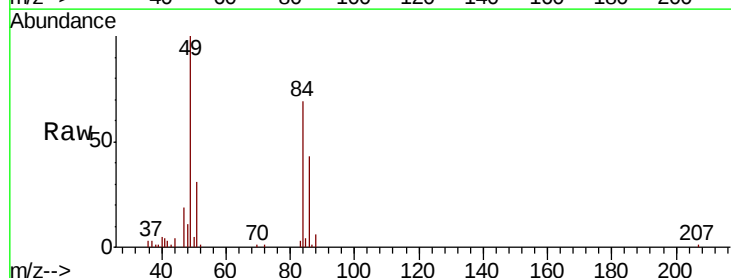
Ion Ratio Lower Upper

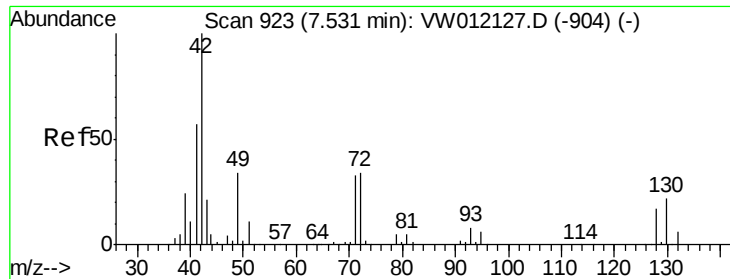
84 100

49 145.2 117.8 176.8

51 44.8 35.6 53.4

86 62.3 51.2 76.8

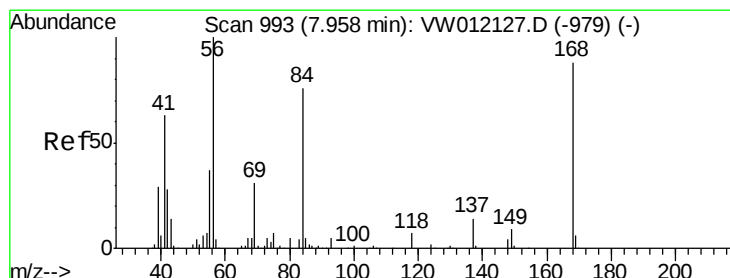
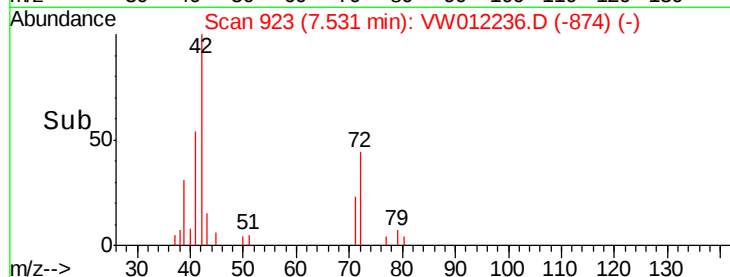
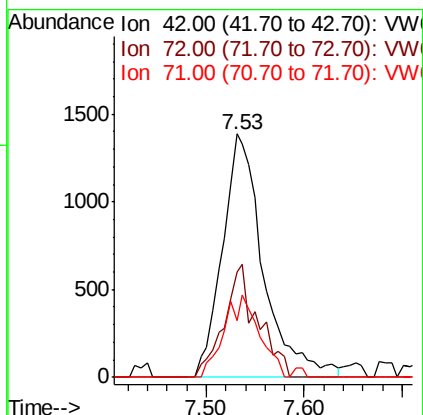
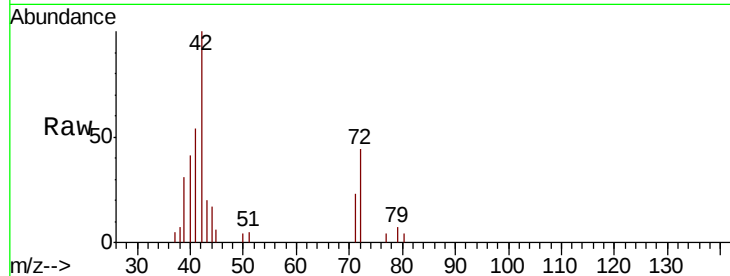




#29
Tetrahydrofuran
Concen: 5.887 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

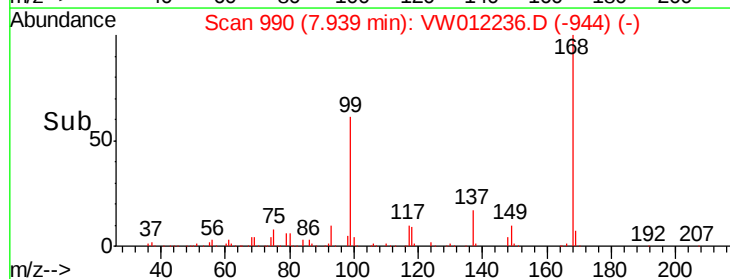
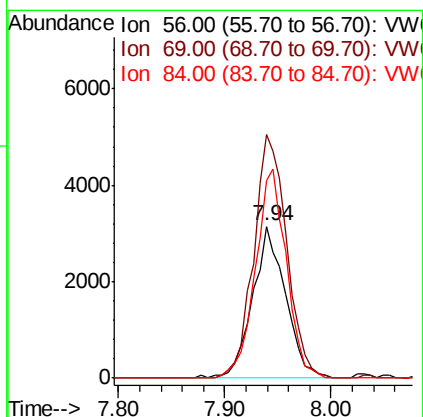
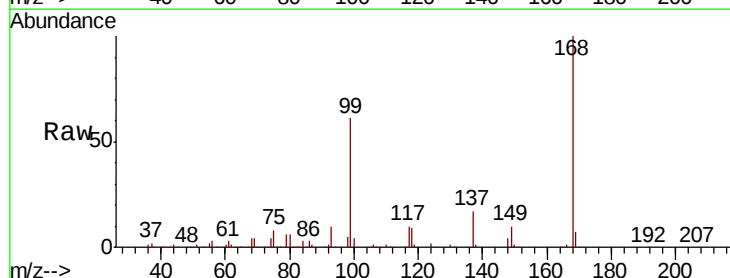
Instrument :
MSVOA_W
ClientSampleId :
T1-S4(2.5)

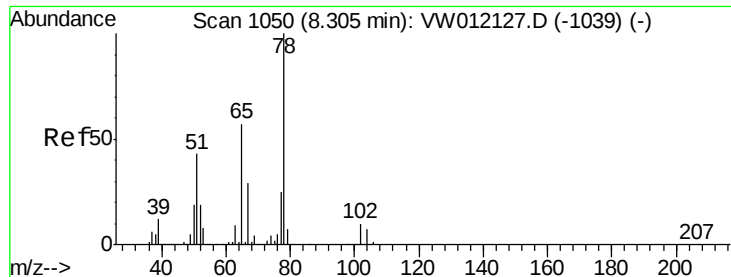
Tgt Ion: 42 Resp: 4028
Ion Ratio Lower Upper
42 100
72 38.5 27.3 40.9
71 29.1 25.5 38.3



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 56 Resp: 6835
Ion Ratio Lower Upper
56 100
69 160.4 24.9 37.3#
84 130.4 60.6 90.8#

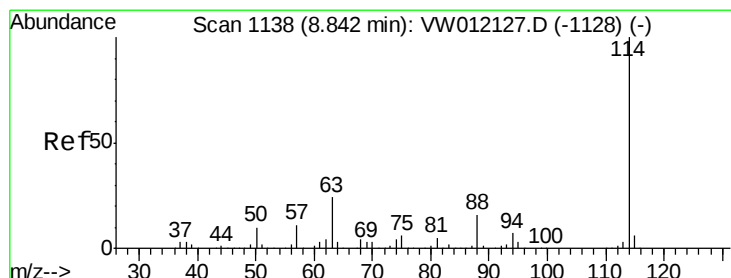
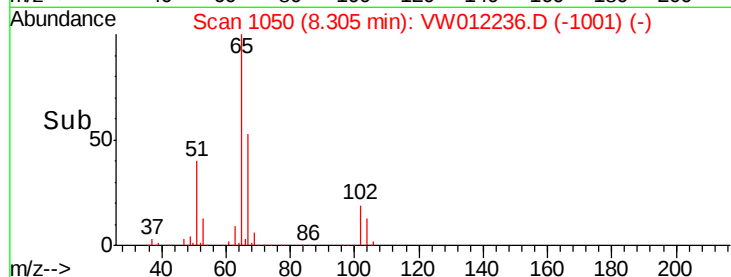
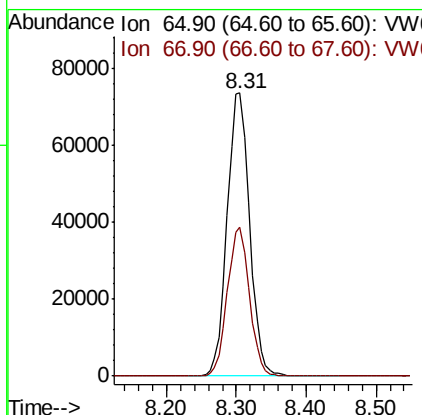
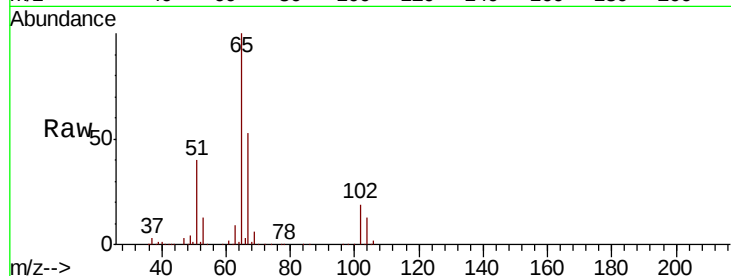




#33
 1,2-Dichloroethane-d4
 Concen: 50.222 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012236.D
 Acq: 28 Aug 2019 05:51

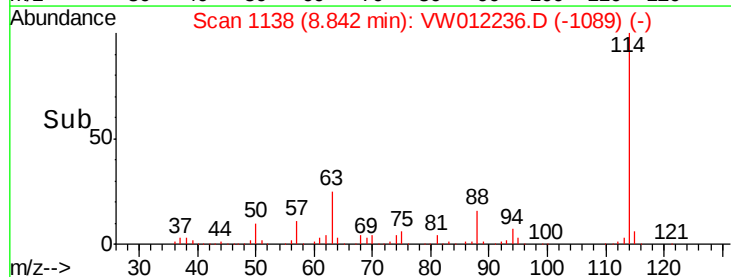
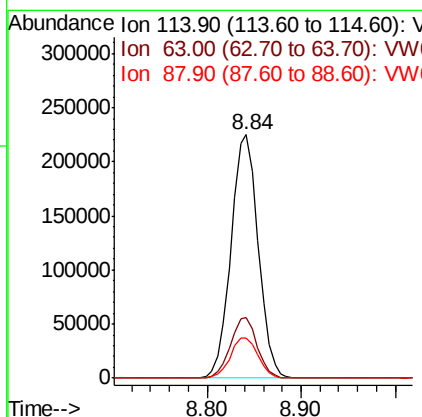
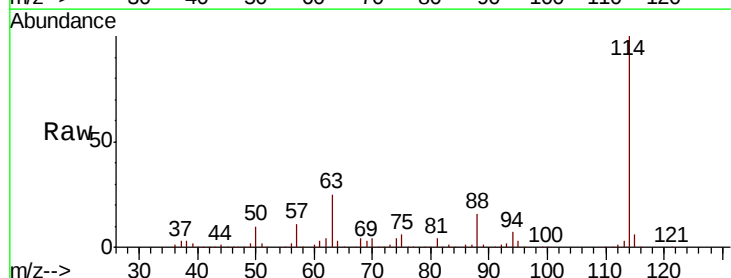
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(2.5)

Tgt Ion: 65 Resp: 164901
 Ion Ratio Lower Upper
 65 100
 67 51.5 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: VW012236.D
 Acq: 28 Aug 2019 05:51

Tgt Ion: 114 Resp: 448847
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 16.4 0.0 32.2

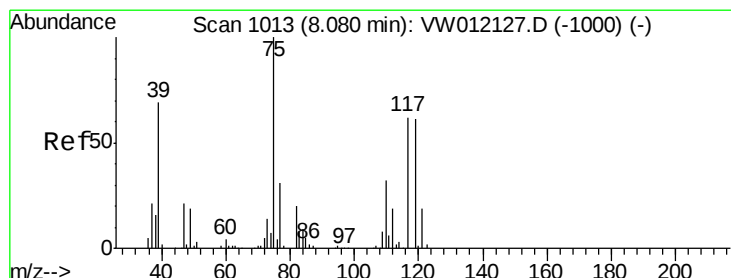
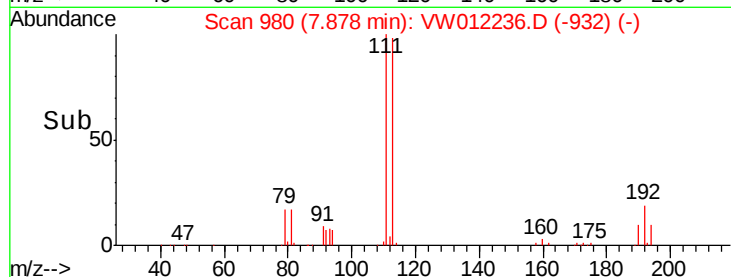
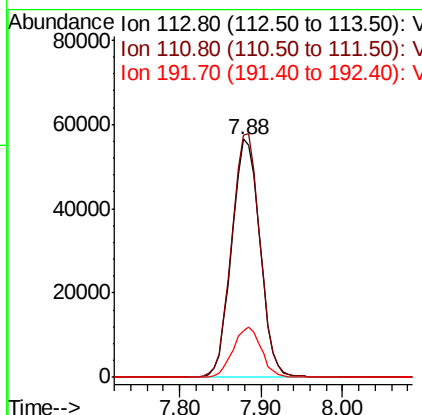
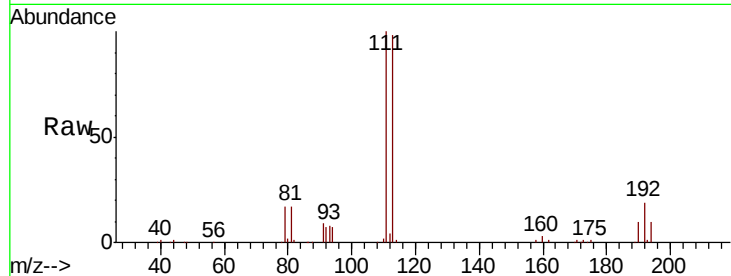




#35
 Dibromofluoromethane
 Concen: 50.374 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012236.D
 Acq: 28 Aug 2019 05:51

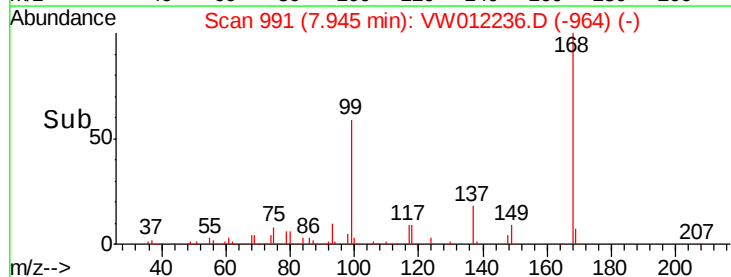
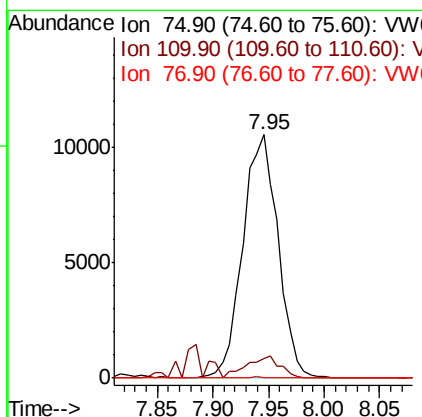
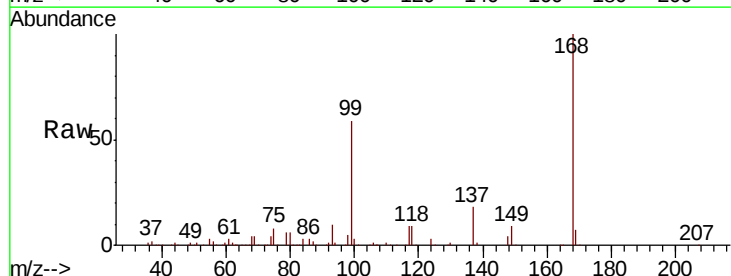
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(2.5)

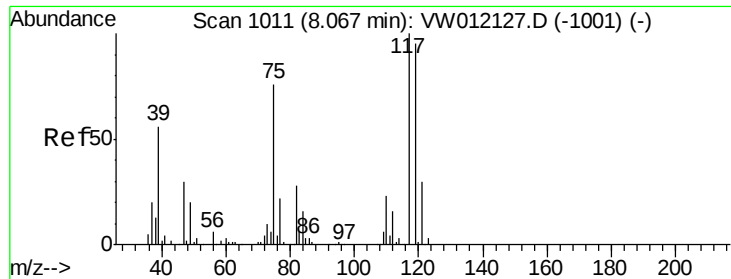
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.024 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012236.D
 Acq: 28 Aug 2019 05:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.695 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(2.5)

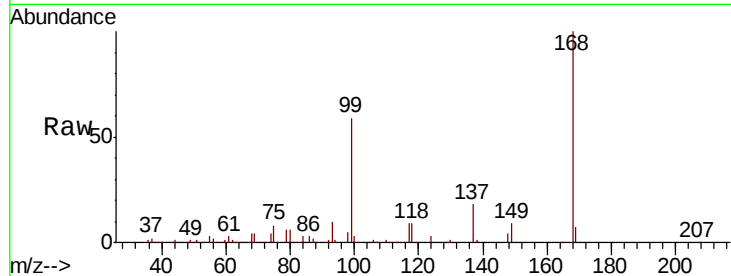
Tgt Ion:117 Resp: 26879

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

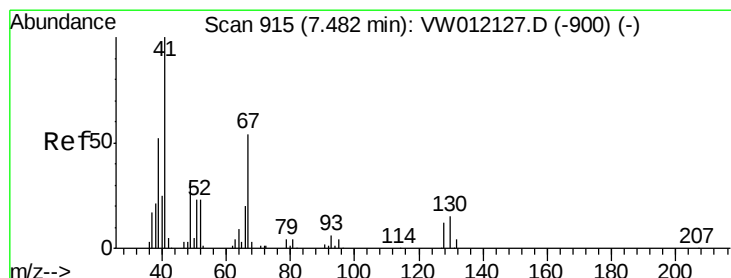
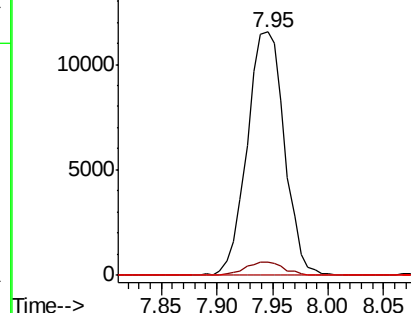
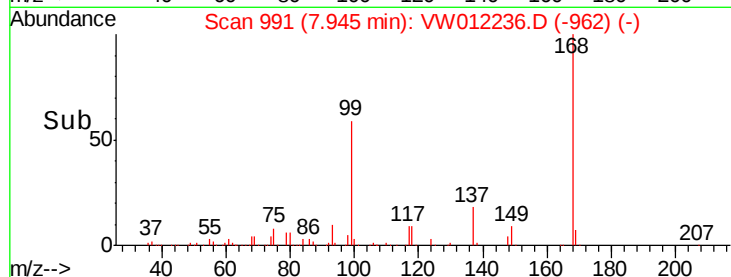
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 1.688 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Tgt Ion: 41 Resp: 2522

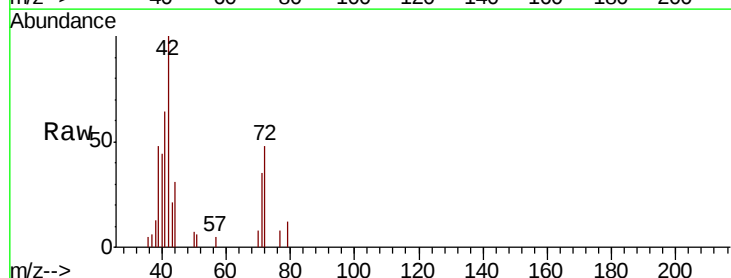
Ion Ratio Lower Upper

41 100

39 61.4 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

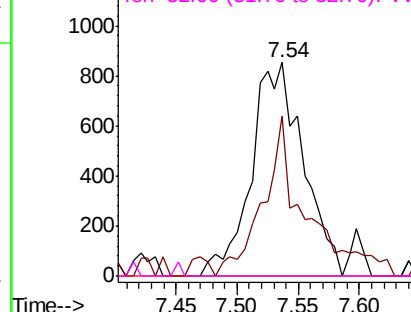
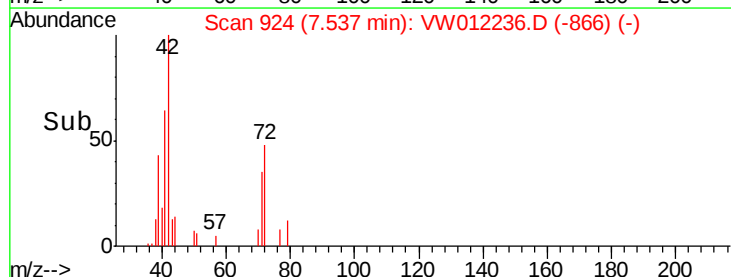


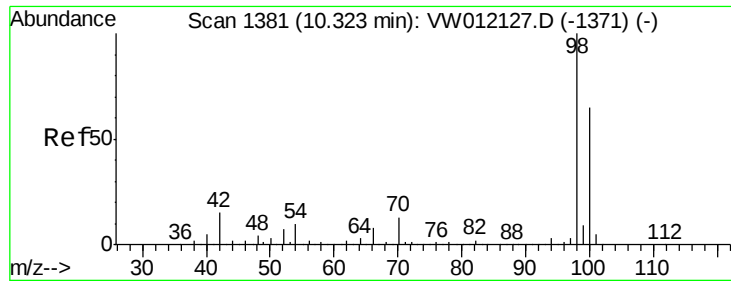
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

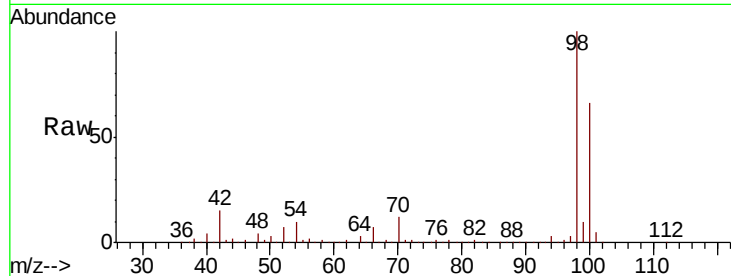
T1-S4(2.5)

Tgt Ion: 98 Resp: 532242

Ion Ratio Lower Upper

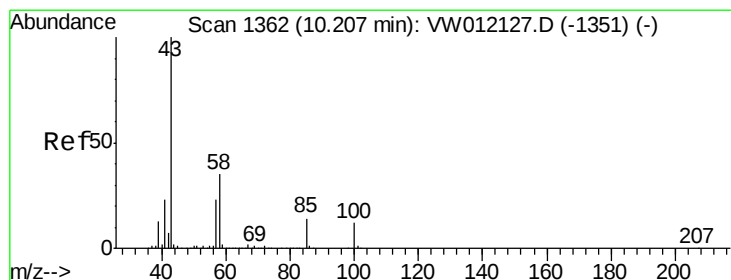
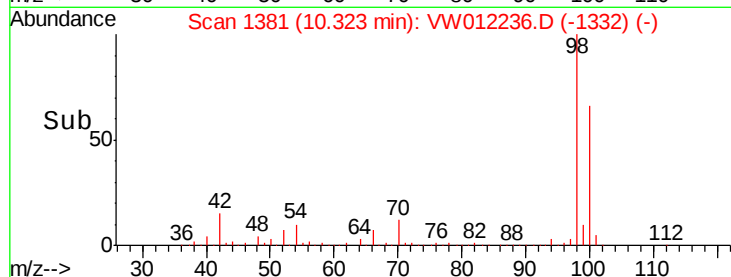
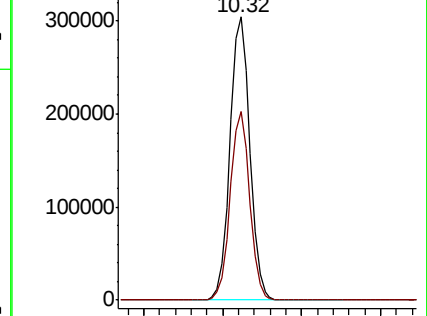
98 100

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): VW



#51

4-Methyl-2-Pentanone

Concen: 1.353 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012236.D

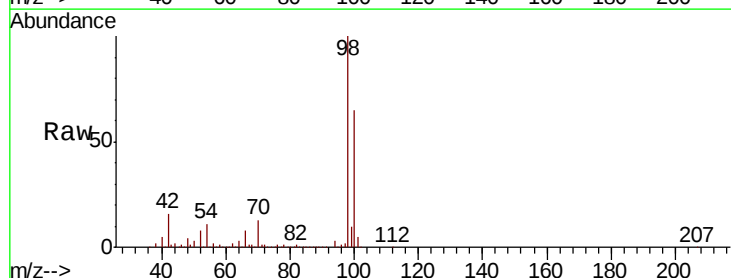
Acq: 28 Aug 2019 05:51

Tgt Ion: 43 Resp: 3240

Ion Ratio Lower Upper

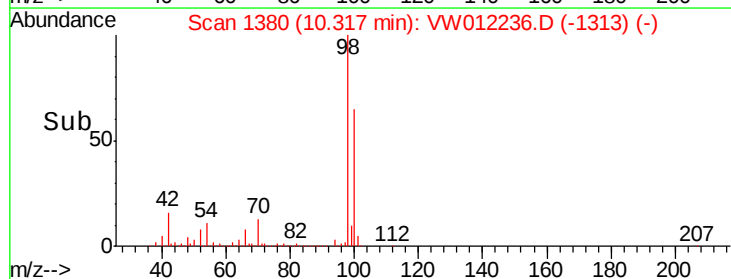
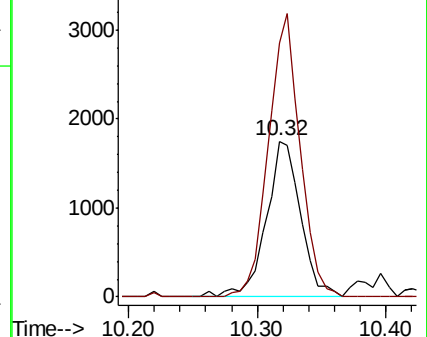
43 100

58 167.3 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

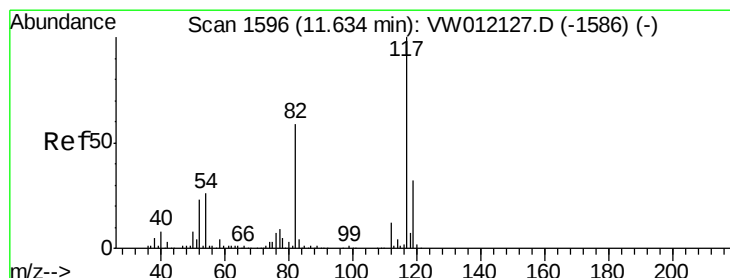
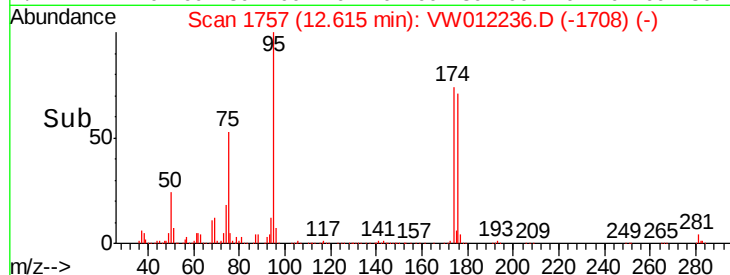
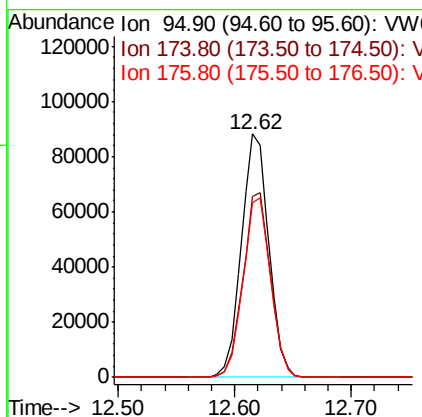
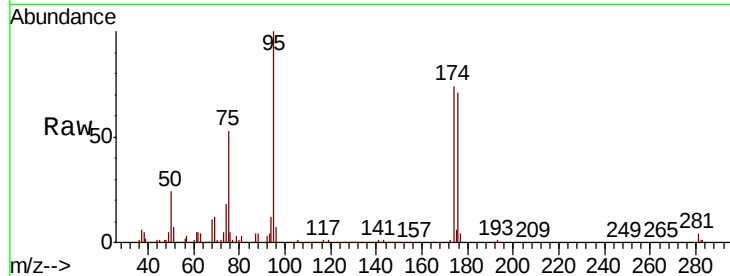




#62
4-Bromofluorobenzene
Concen: 37.959 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

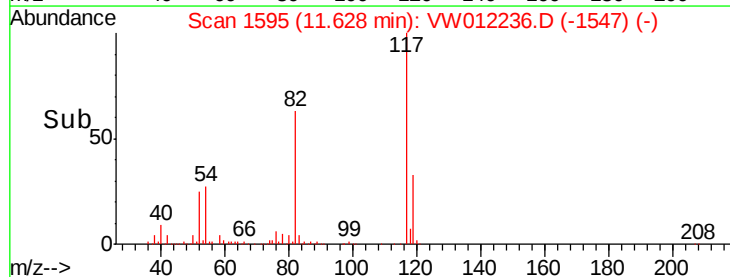
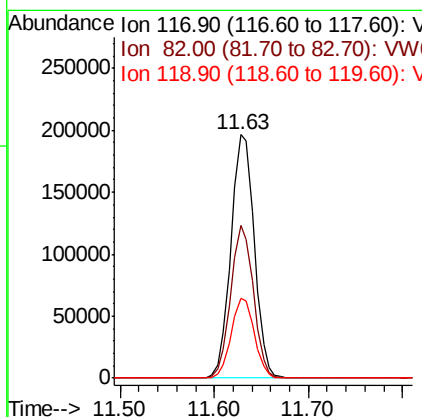
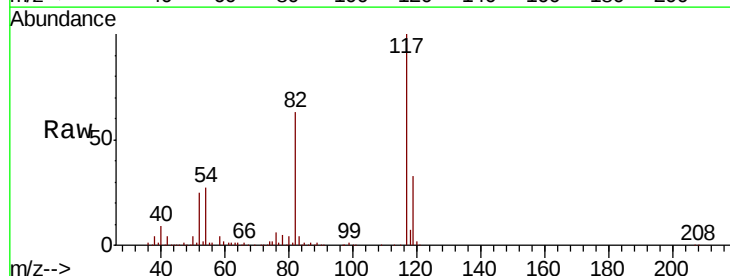
Instrument :
MSVOA_W
ClientSampleId :
T1-S4(2.5)

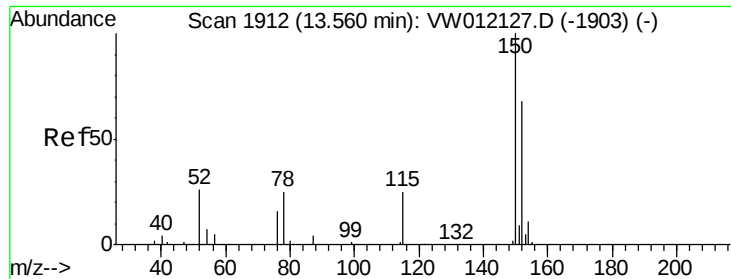
Tgt Ion: 95 Resp: 145358
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.8
176 74.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 117 Resp: 337414
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 32.8 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: VW012236.D

Acq: 28 Aug 2019 05:51

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(2.5)

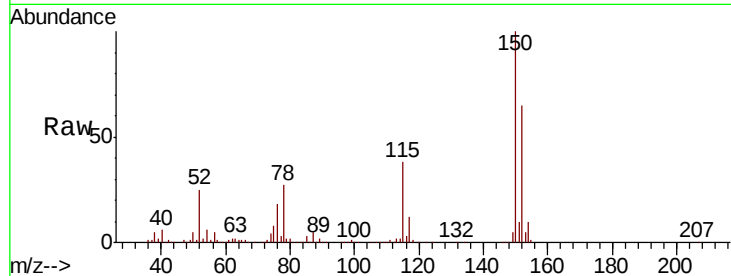
Tgt Ion:152 Resp: 104816

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

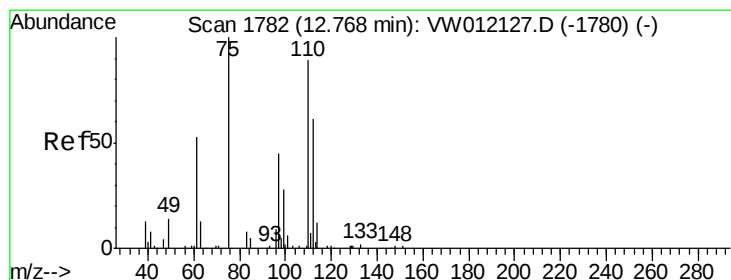
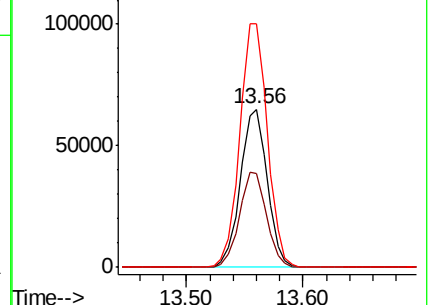
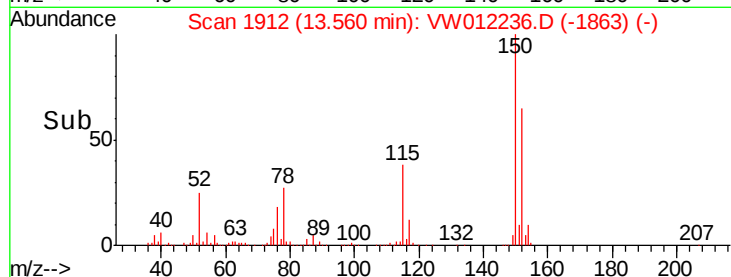
150 158.2 0.0 345.8



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: 74.416 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012236.D

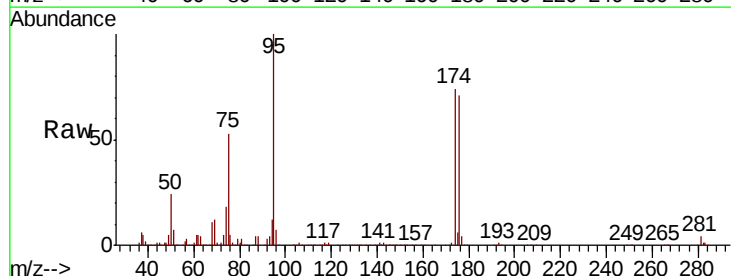
Acq: 28 Aug 2019 05:51

Tgt Ion: 75 Resp: 75966

Ion Ratio Lower Upper

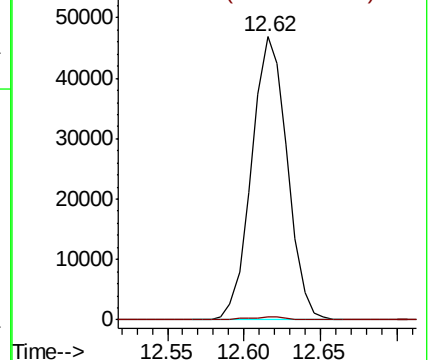
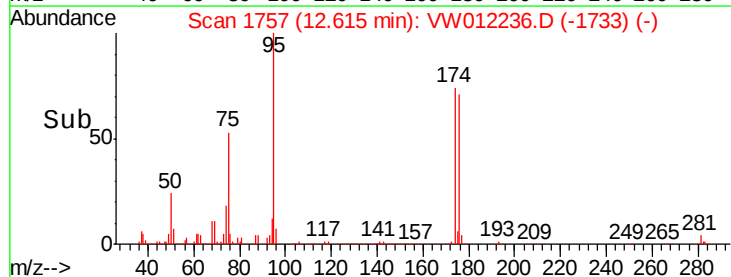
75 100

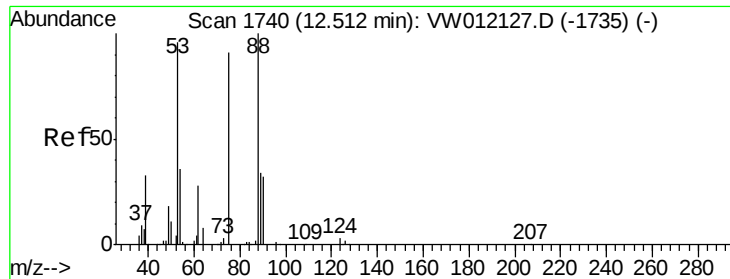
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

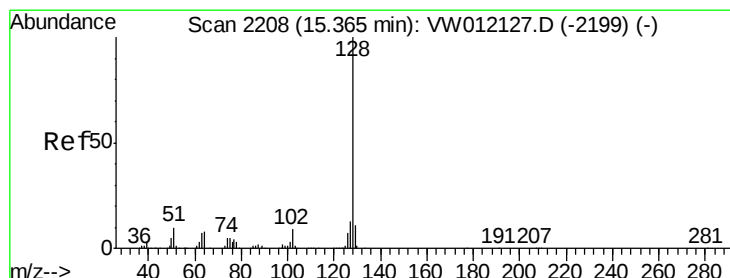
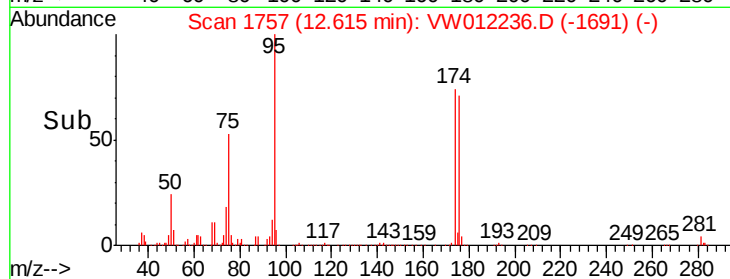
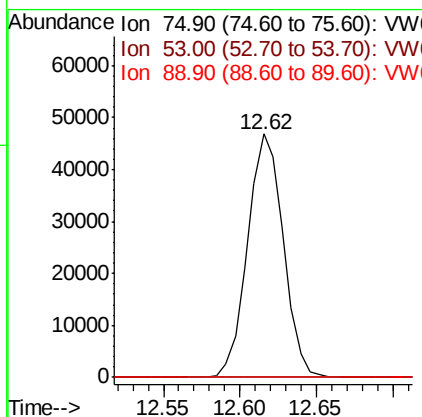
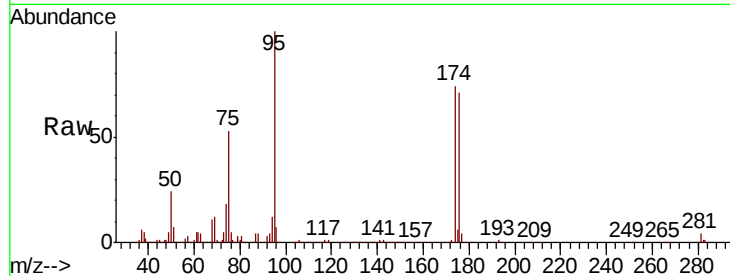




#81
trans-1,4-Dichloro-2-butene
Concen: 163.159 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Instrument :
MSVOA_W
ClientSampleId :
T1-S4(2.5)

Tgt Ion: 75 Resp: 75966
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.430 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012236.D
Acq: 28 Aug 2019 05:51

Tgt Ion: 128 Resp: 470
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 6.6 8.7 13.1#

