

Data File : VW012180.D
Acq On : 26 Aug 2019 19:32
Operator : SY/VA
Sample : K4474-07RE
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)RE

Quant Time: Aug 27 04:58:49 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	199303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	64749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	132024	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	7.88	113	105087	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	10.32	98	392855	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	94949	33.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.38%	

Target Compounds

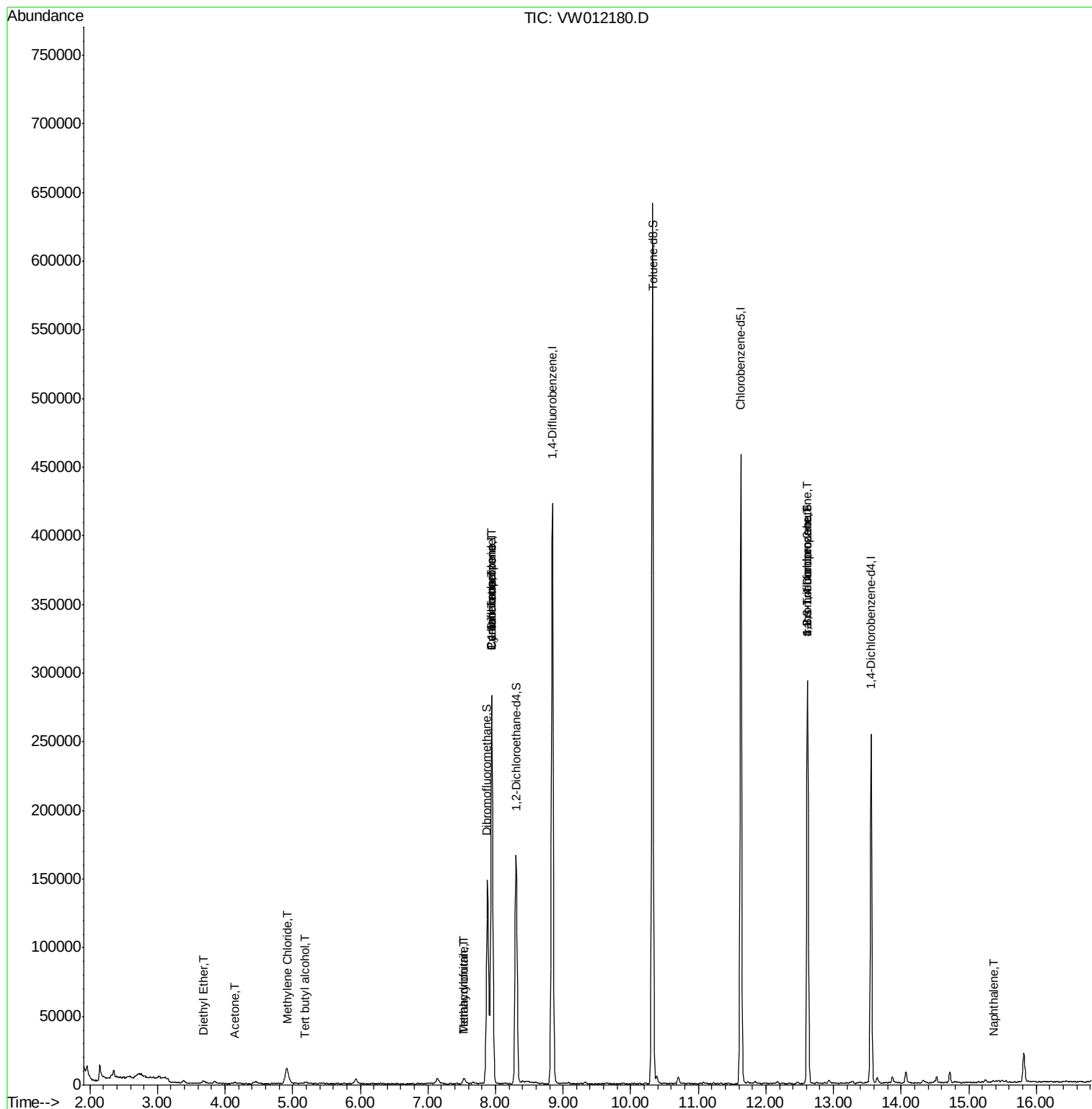
						Qvalue
8) Diethyl Ether	3.68	74	1123	1.013	ug/l	92
11) Tert butyl alcohol	5.18	59	745	5.225	ug/l #	91
16) Acetone	4.14	43	1532	2.530	ug/l #	87
20) Methylene Chloride	4.92	84	8590	3.752	ug/l	94
29) Tetrahydrofuran	7.53	42	3431	6.949	ug/l	97
31) Cyclohexane	7.95	56	5255	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17208	5.041	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20328	6.880	ug/l #	17
41) Methacrylonitrile	7.54	41	2143	1.949	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	51728	82.029	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51728	179.851	ug/l #	6
95) Naphthalene	15.36	128	1175	4.761	ug/l #	86

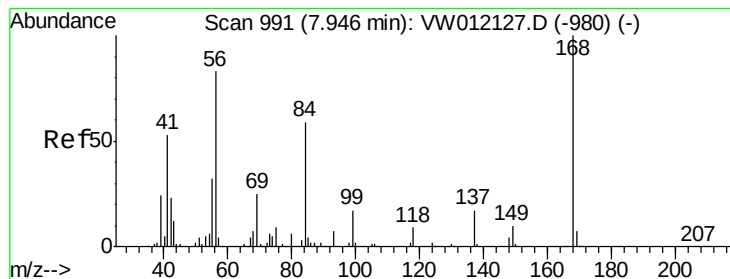
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012180.D

Acq: 26 Aug 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

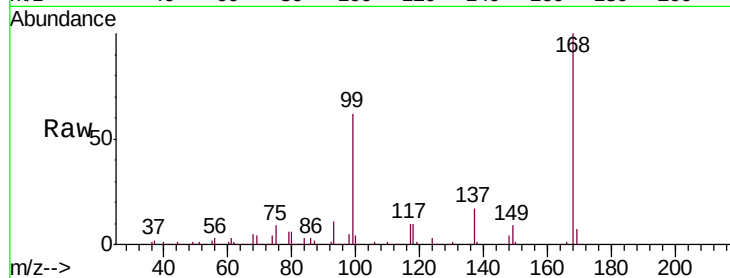
T1-2-F4(0)RE

Tgt Ion:168 Resp: 199303

Ion Ratio Lower Upper

168 100

99 61.7 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

80000

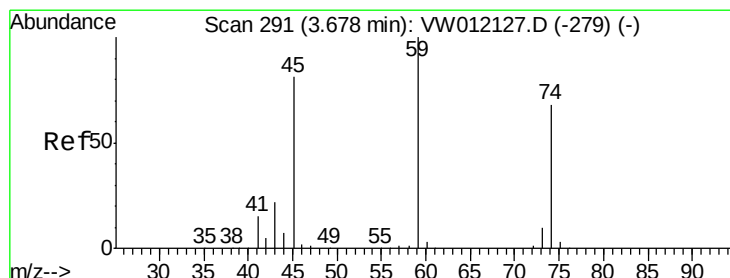
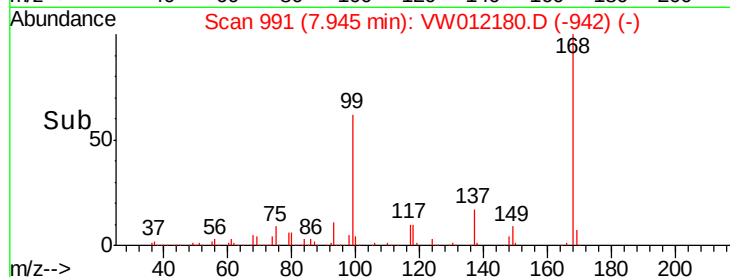
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.013 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012180.D

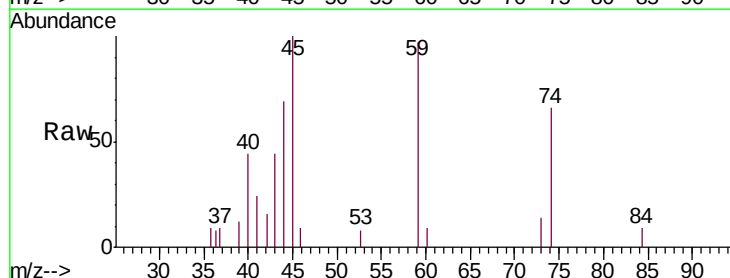
Acq: 26 Aug 2019 19:32

Tgt Ion: 74 Resp: 1123

Ion Ratio Lower Upper

74 100

45 127.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

800

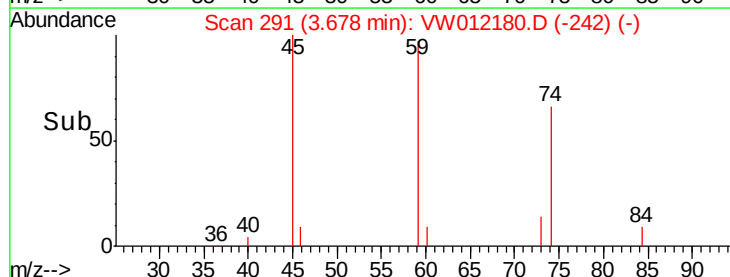
600

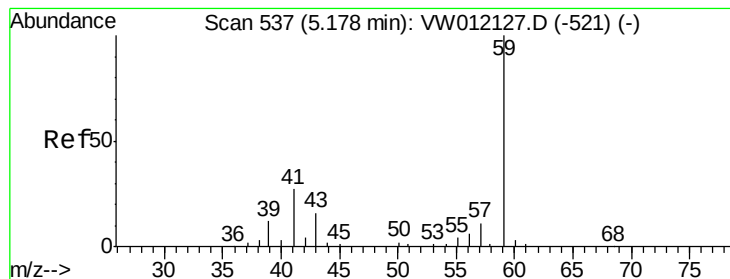
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 5.225 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012180.D

Acq: 26 Aug 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

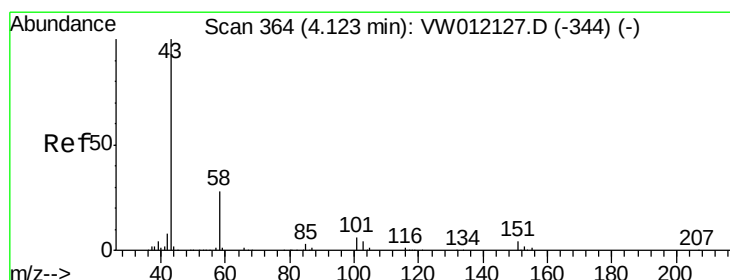
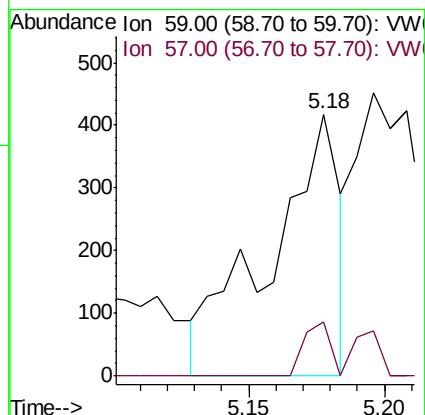
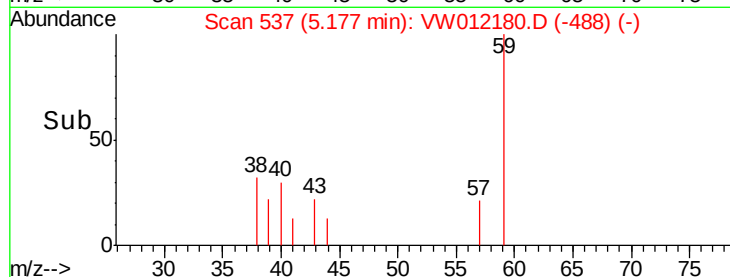
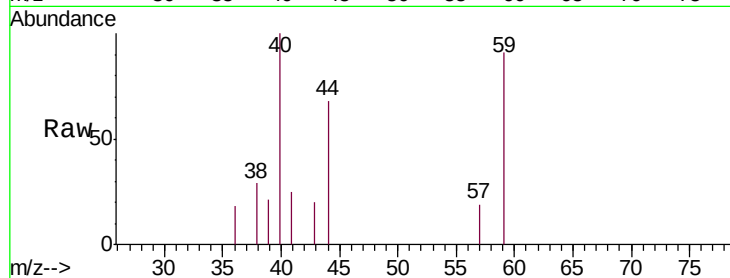
T1-2-F4-(0)RE

Tgt Ion: 59 Resp: 745

Ion Ratio Lower Upper

59 100

57 7.7 9.0 13.4#



#16

Acetone

Concen: 2.530 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012180.D

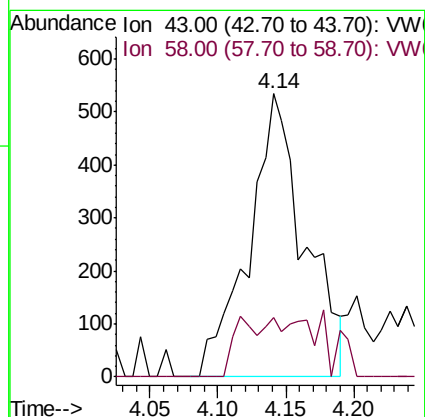
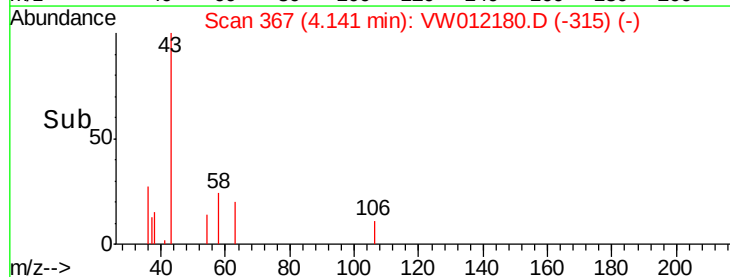
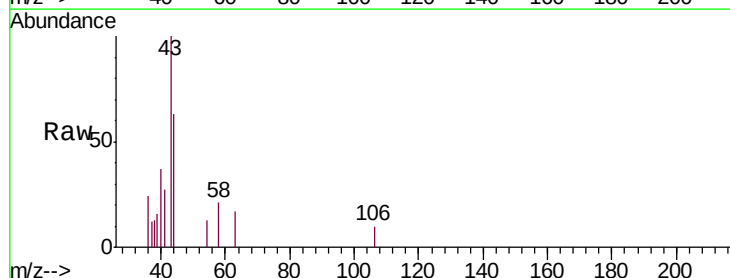
Acq: 26 Aug 2019 19:32

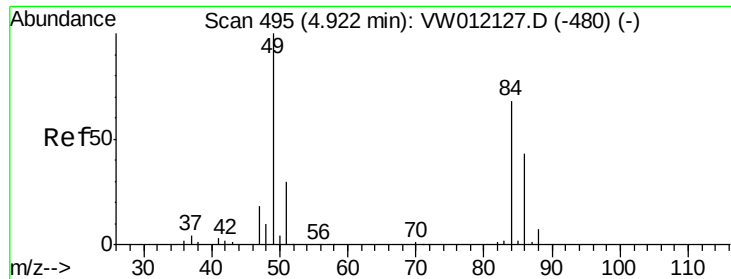
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 21.0 22.4 33.6#

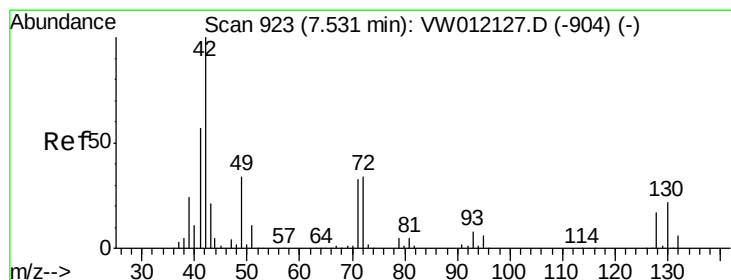
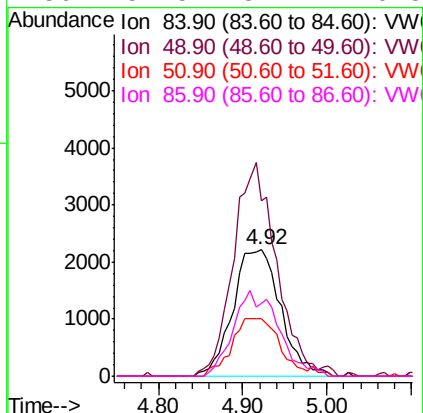
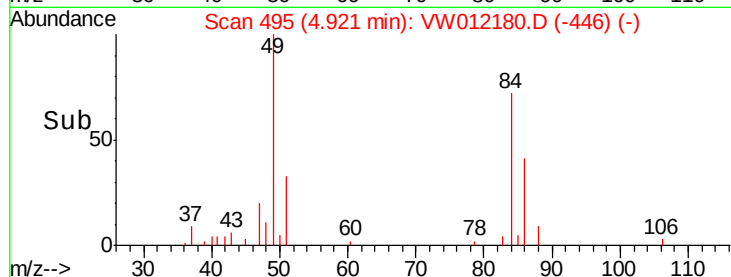
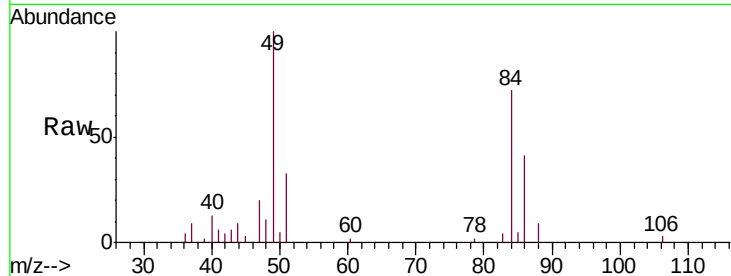




#20
Methylene Chloride
Concen: 3.752 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

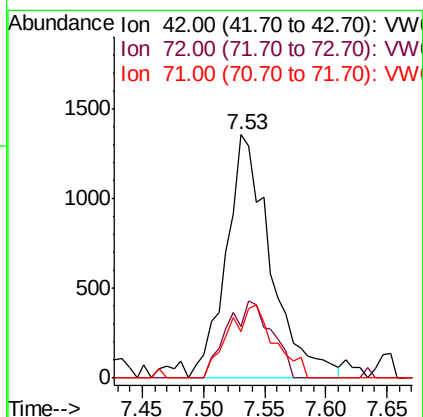
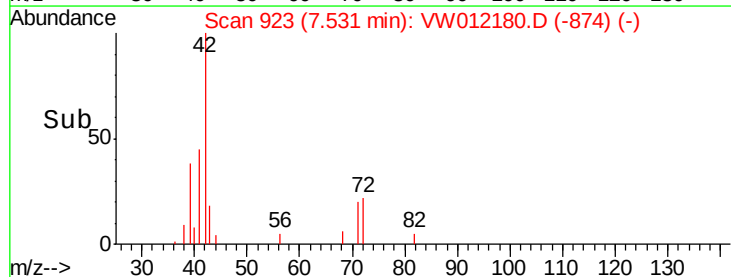
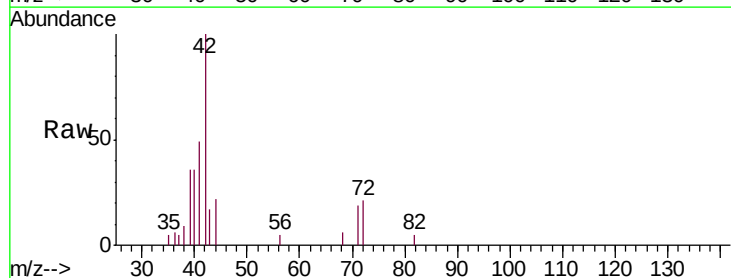
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)RE

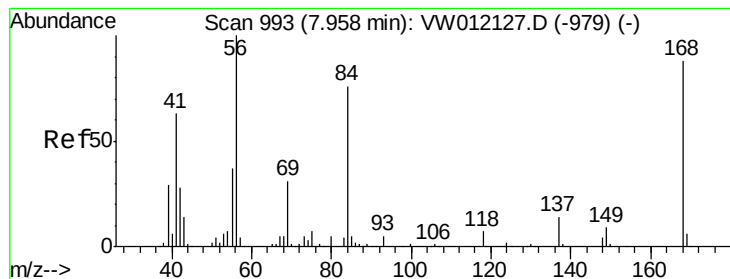
Tgt Ion:	84	Resp:	8590
Ion	Ratio	Lower	Upper
84	100		
49	138.5	117.8	176.8
51	45.4	35.6	53.4
86	57.5	51.2	76.8



#29
Tetrahydrofuran
Concen: 6.949 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

Tgt Ion:	42	Resp:	3431
Ion	Ratio	Lower	Upper
42	100		
72	31.8	27.3	40.9
71	31.1	25.5	38.3





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012180.D

Acq: 26 Aug 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

T1-2-F4(0)RE

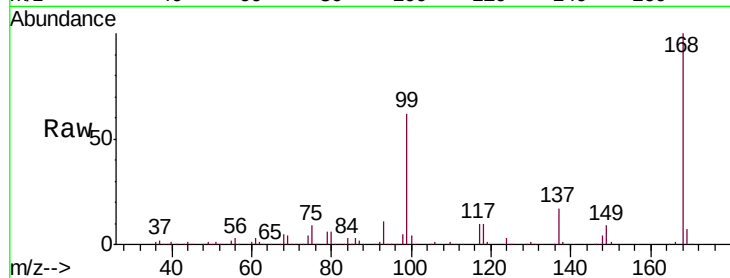
Tgt Ion: 56 Resp: 5255

Ion Ratio Lower Upper

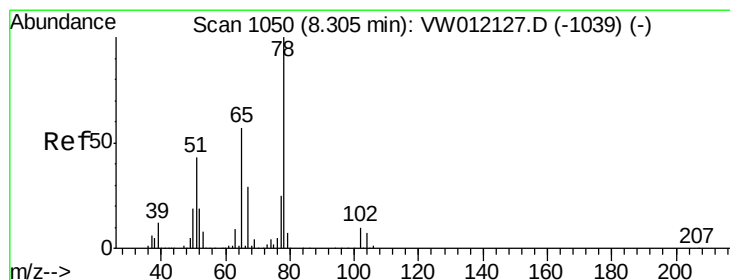
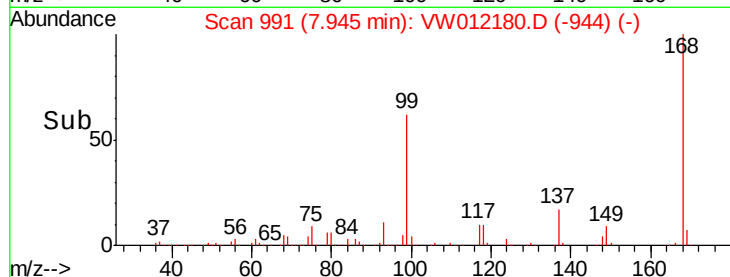
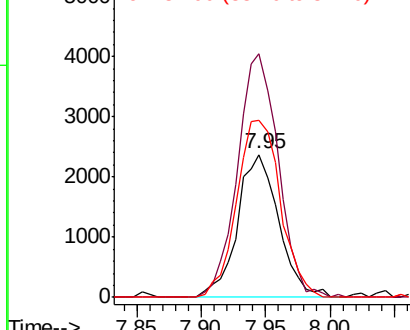
56 100

69 170.2 24.9 37.3#

84 123.9 60.6 90.8#



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: 55.725 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012180.D

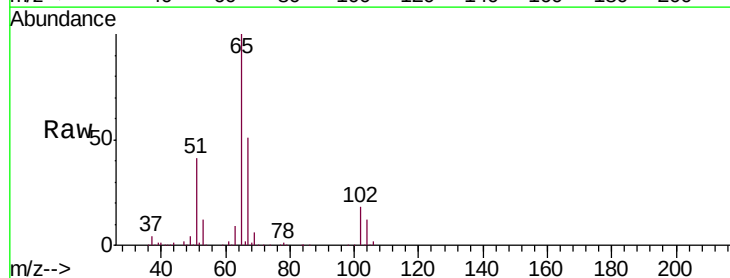
Acq: 26 Aug 2019 19:32

Tgt Ion: 65 Resp: 132024

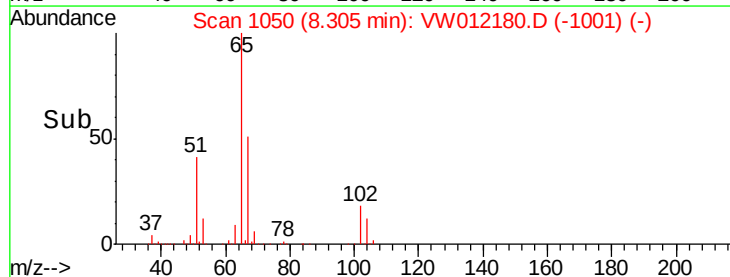
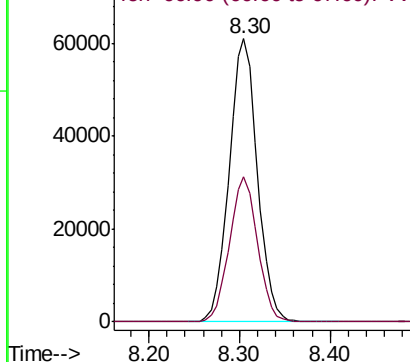
Ion Ratio Lower Upper

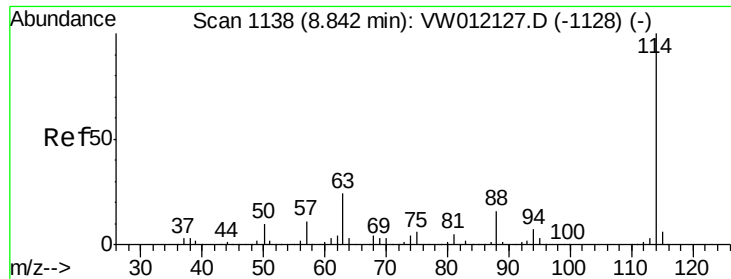
65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

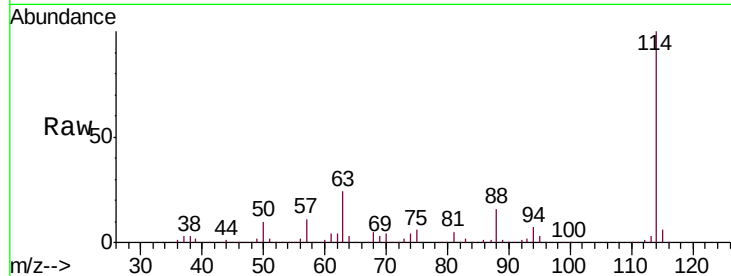




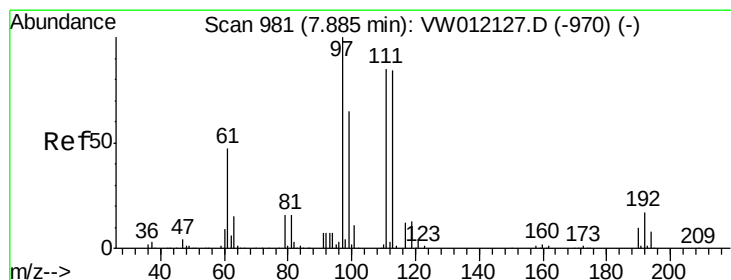
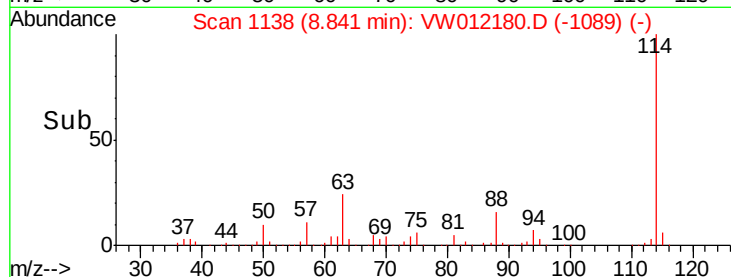
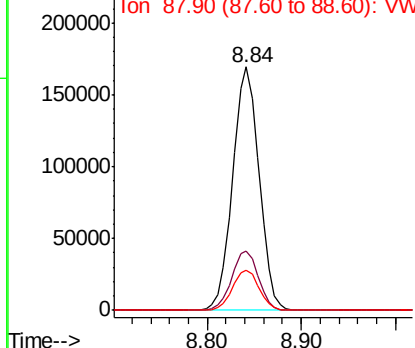
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(0)RE

Tgt Ion:114 Resp: 330341
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.4 0.0 32.2

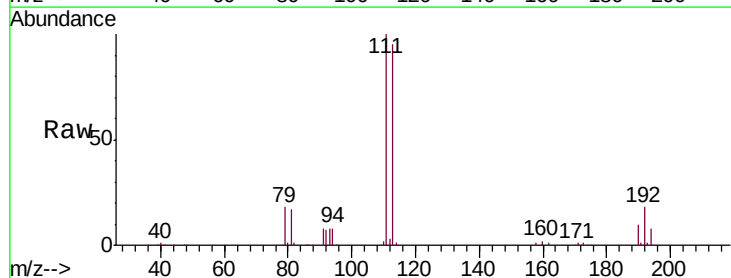


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

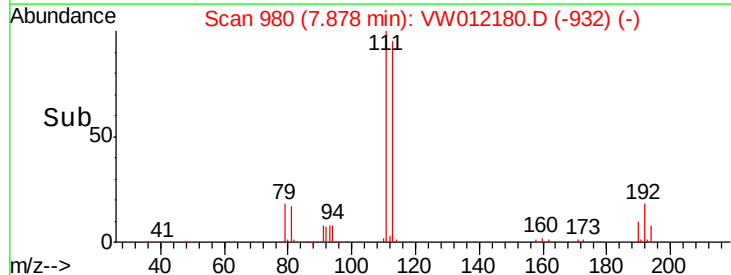
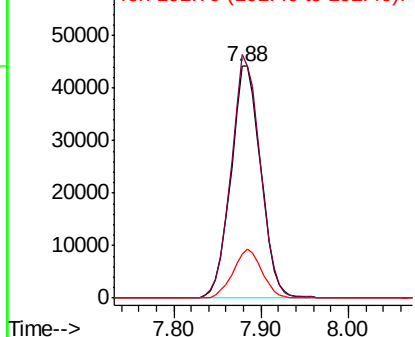


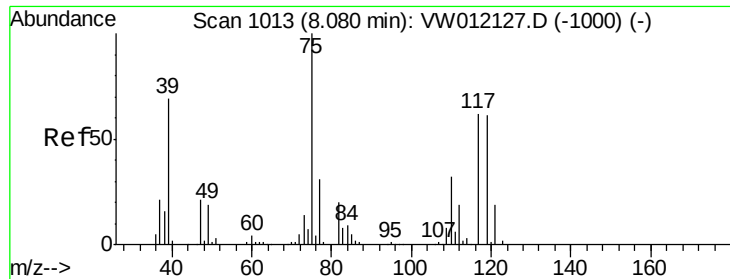
#35
 Dibromofluoromethane
 Concen: 53.295 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

Tgt Ion:113 Resp: 105087
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.5 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

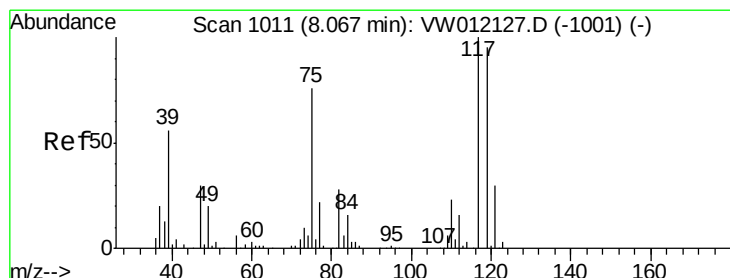
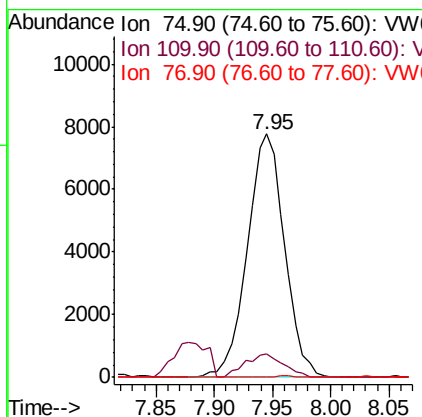
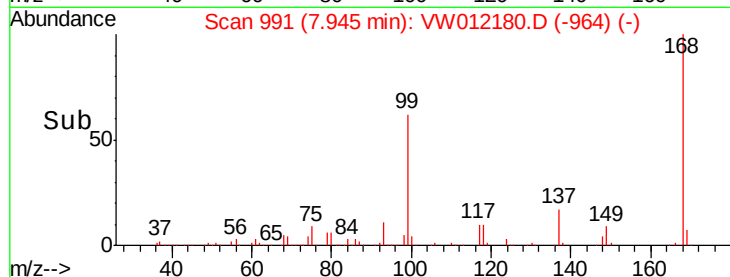
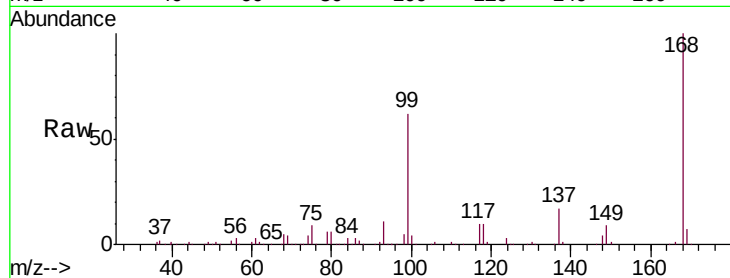




#36
 1,1-Dichloropropene
 Concen: 5.041 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

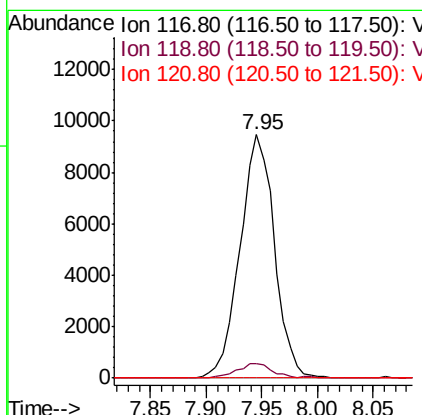
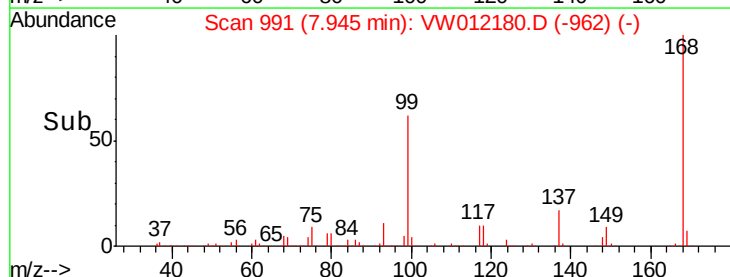
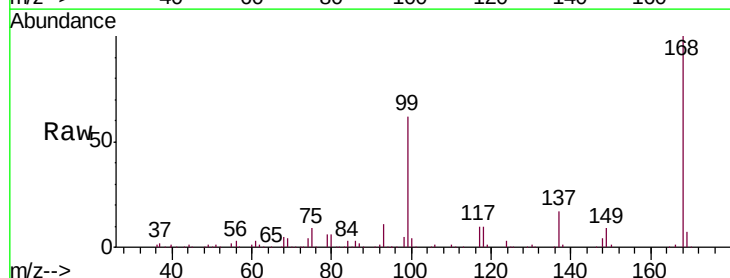
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(0)RE

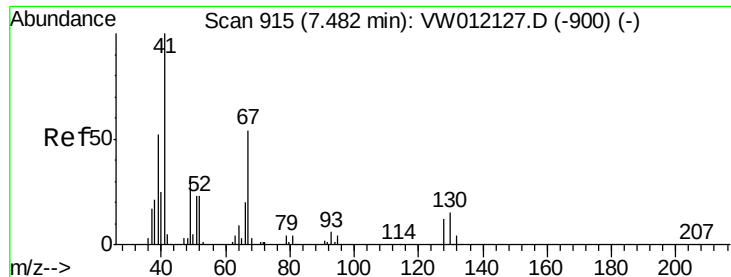
Tgt Ion: 75 Resp: 17208
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.880 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

Tgt Ion: 117 Resp: 20328
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 1.949 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012180.D

Acq: 26 Aug 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F4-(0)RE

Tgt Ion: 41 Resp: 2143

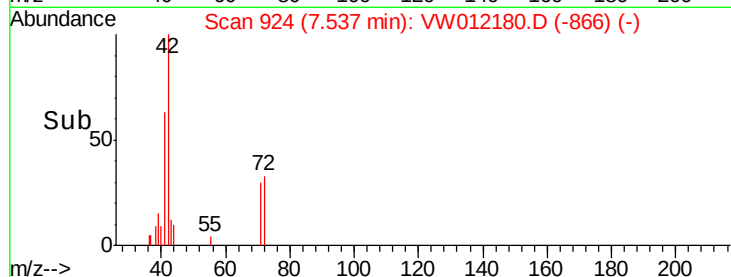
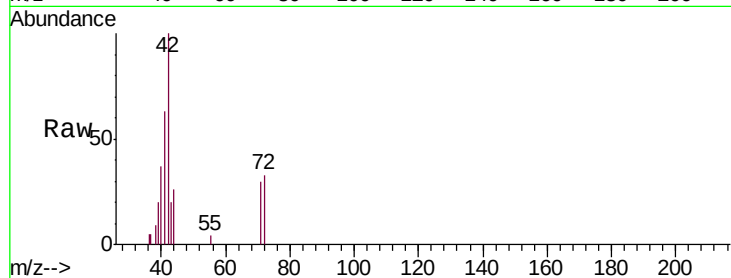
Ion Ratio Lower Upper

41 100

39 58.7 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

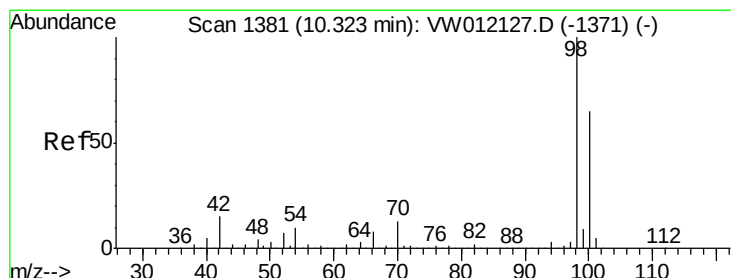
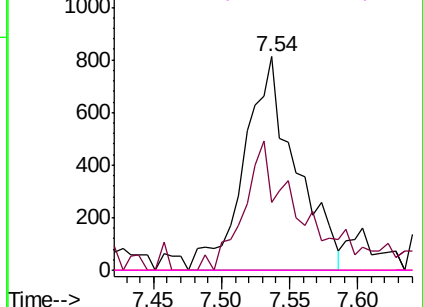


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.137 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012180.D

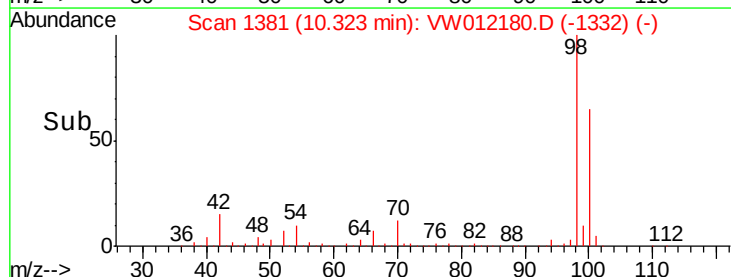
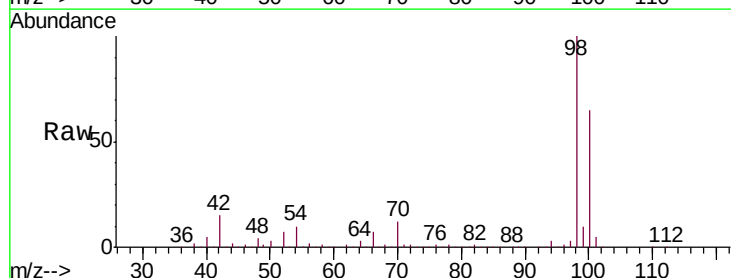
Acq: 26 Aug 2019 19:32

Tgt Ion: 98 Resp: 392855

Ion Ratio Lower Upper

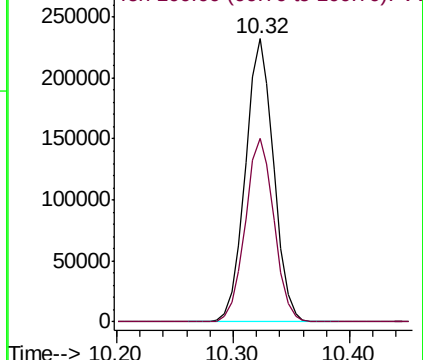
98 100

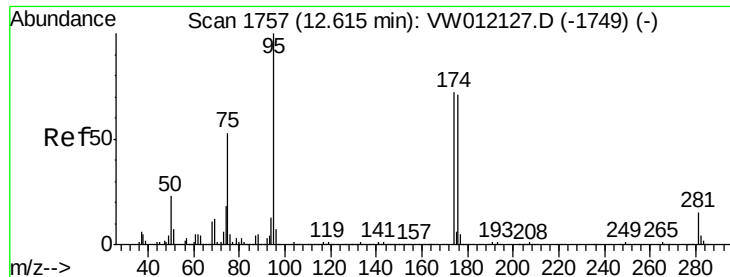
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

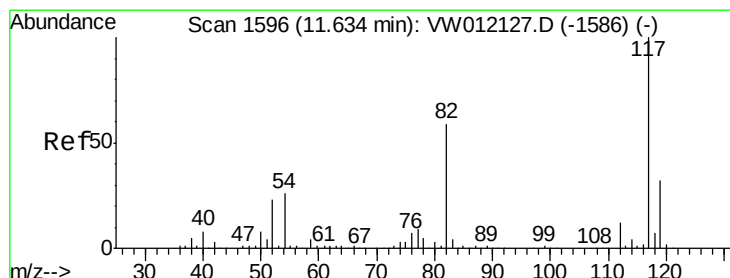
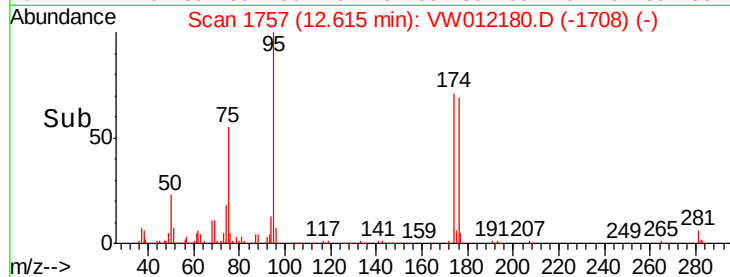
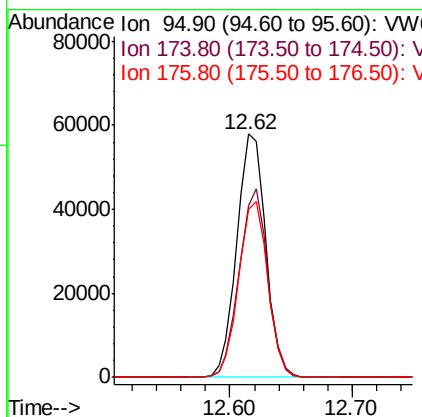
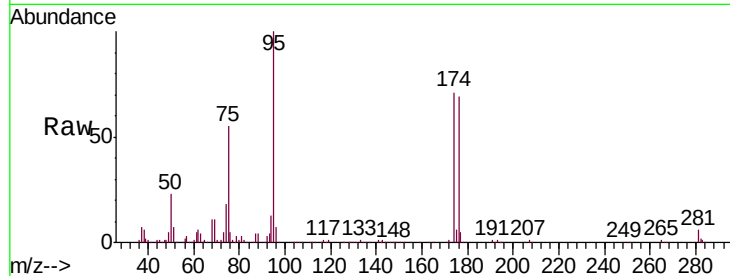




#62
4-Bromofluorobenzene
Concen: 33.690 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

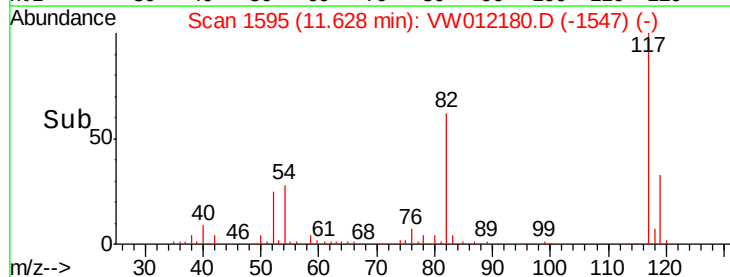
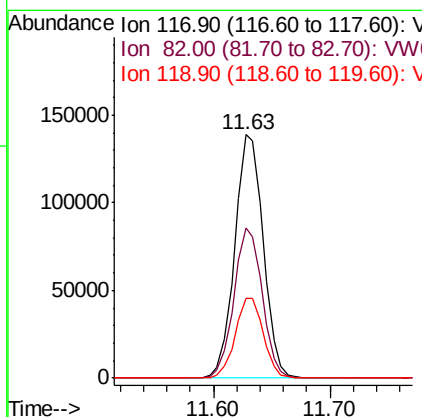
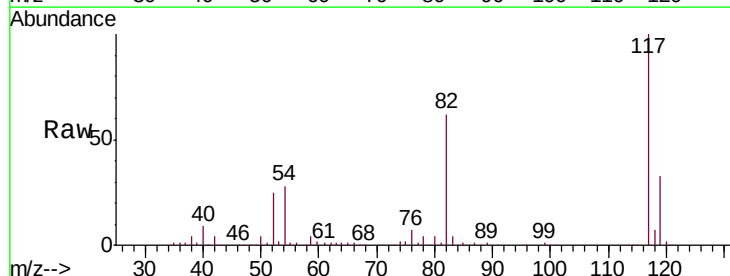
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4(0)RE

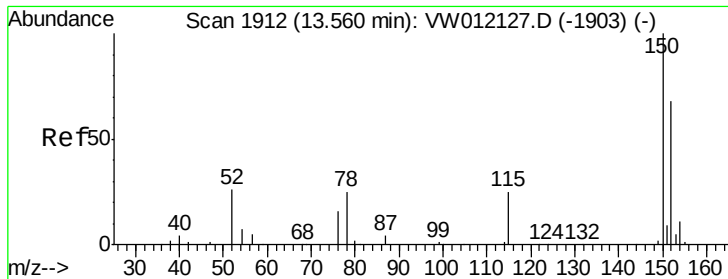
Tgt Ion: 95 Resp: 94949
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.8
176 72.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

Tgt Ion: 117 Resp: 236707
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 33.0 25.4 38.2



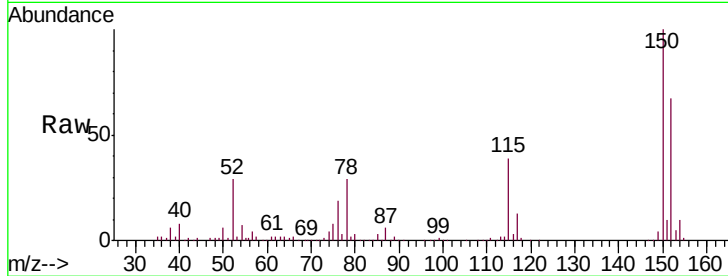


#72

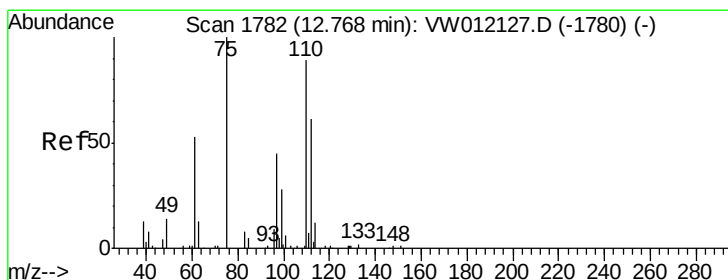
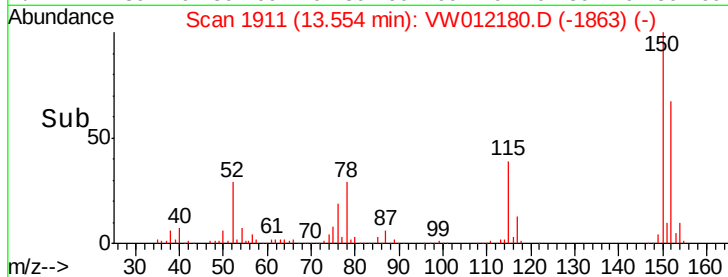
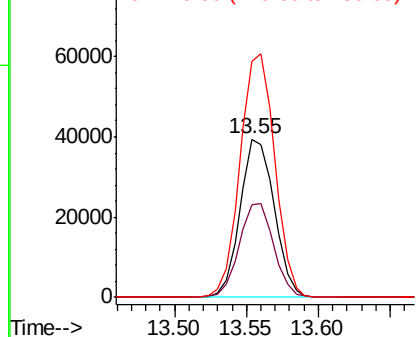
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(0)RE

Tgt Ion: 152 Resp: 64749
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 156.5 0.0 345.8



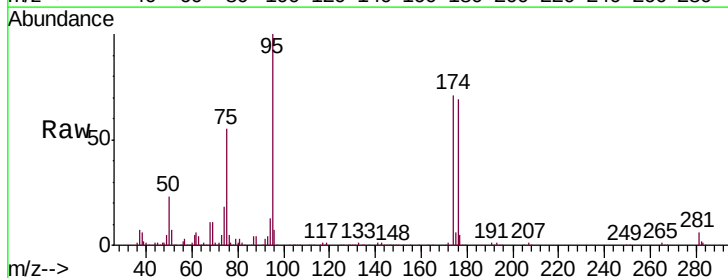
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



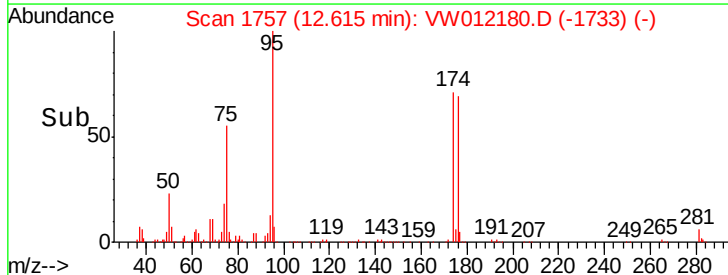
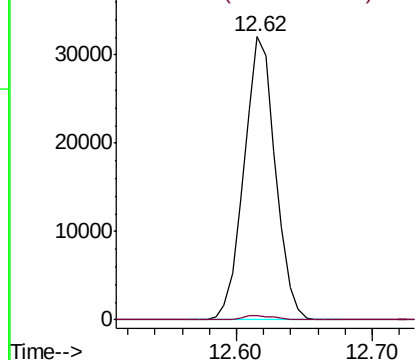
#76

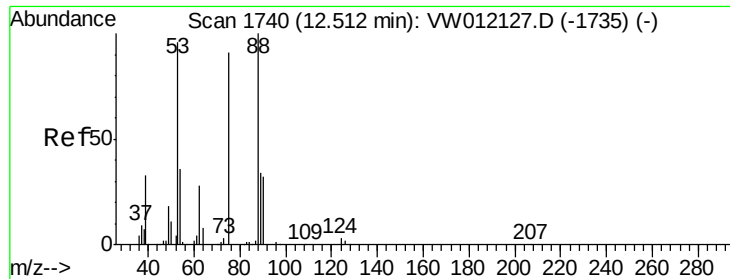
1,2,3-Trichloropropane
Concen: 82.029 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012180.D
Acq: 26 Aug 2019 19:32

Tgt Ion: 75 Resp: 51728
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

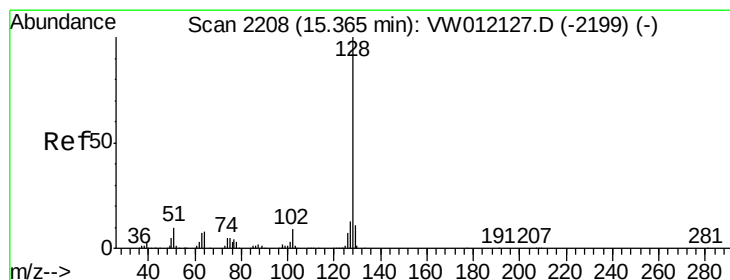
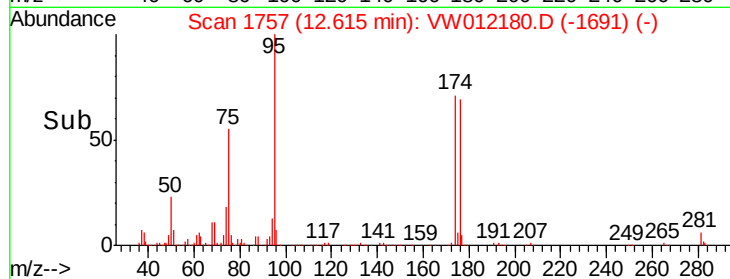
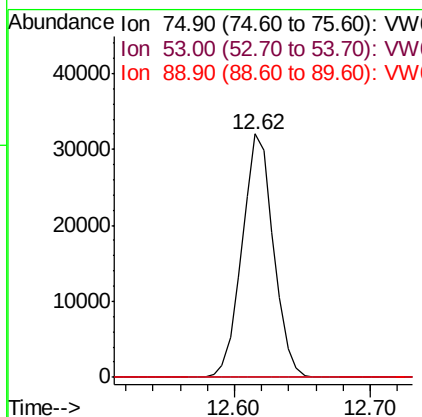
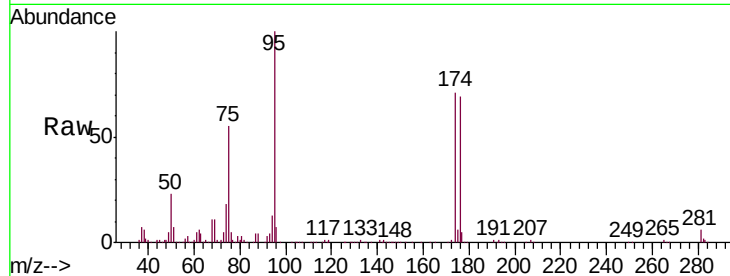




#81
 trans-1,4-Dichloro-2-butene
 Concen: 179.851 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4(0)RE

Tgt Ion: 75 Resp: 51728
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#



#95
 Naphthalene
 Concen: 4.761 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012180.D
 Acq: 26 Aug 2019 19:32

Tgt Ion: 128 Resp: 1175
 Ion Ratio Lower Upper
 128 100
 127 4.6 10.7 16.1#
 129 12.5 8.7 13.1

