

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012054.D
 Acq On : 21 Aug 2019 02:07
 Operator : SY/VA
 Sample : K4387-20
 Misc : 5.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B2-(0)

Quant Time: Aug 21 03:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

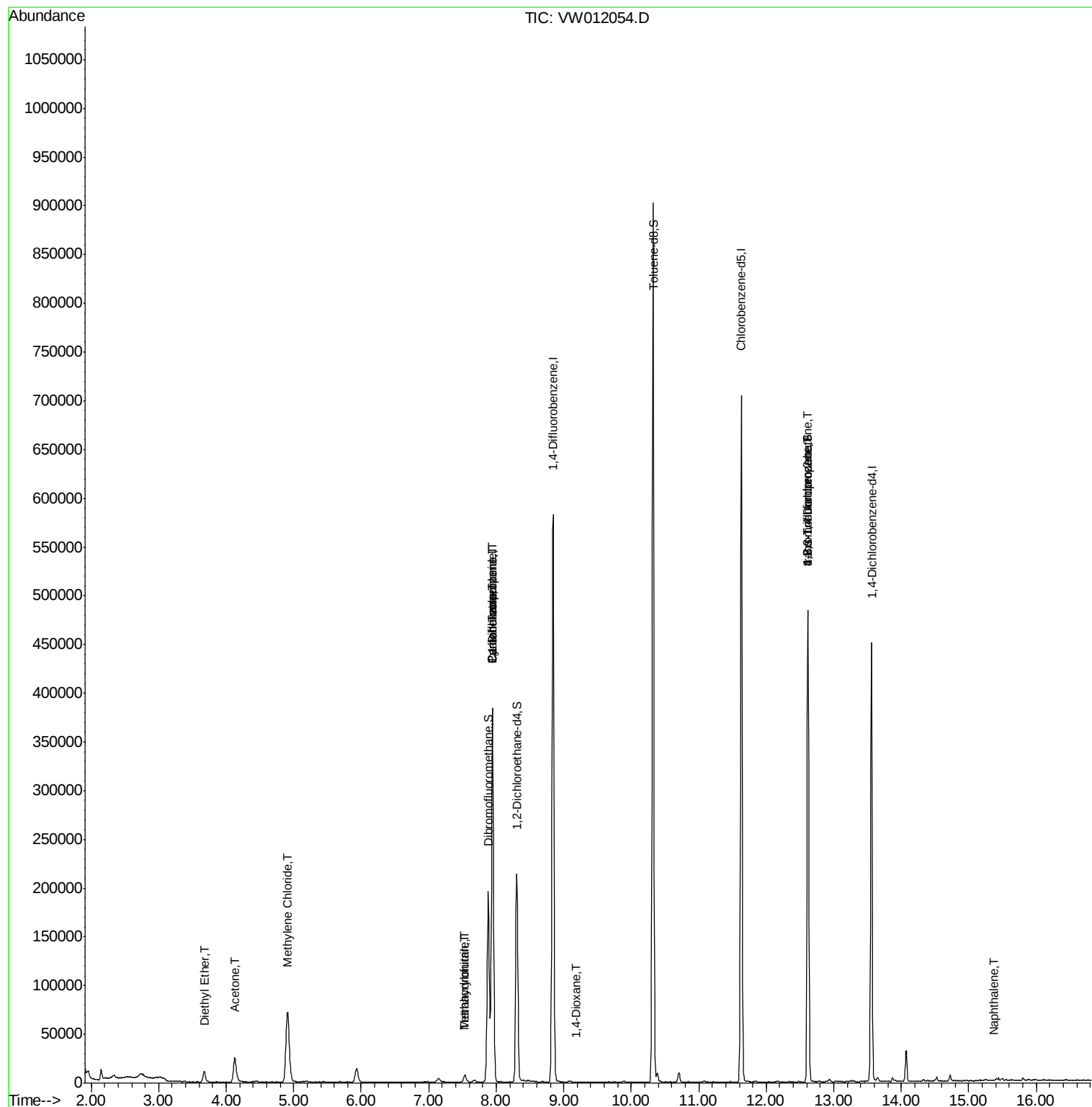
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	465587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	172295	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
35) Dibromofluoromethane	7.88	113	140444	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
50) Toluene-d8	10.32	98	566949	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.62	95	159195	41.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.50%	
Target Compounds						
8) Diethyl Ether	3.67	74	5816	3.523	ug/l	96
11) Tert butyl alcohol	5.19	59	1324	Below Cal	#	77
16) Acetone	4.13	43	51044	49.899	ug/l	96
20) Methylene Chloride	4.91	84	55898	15.844	ug/l	97
29) Tetrahydrofuran	7.54	42	6642	8.681	ug/l	99
31) Cyclohexane	7.95	56	6755	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23125	4.777	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28436	6.861	ug/l #	16
41) Methacrylonitrile	7.53	41	4006	2.406	ug/l #	52
49) 1,4-Dioxane	9.18	88	41	1.710	ug/l #	2
76) 1,2,3-Trichloropropane	12.62	75	84577	68.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84577	158.776	ug/l #	6
95) Naphthalene	15.36	128	401	2.150	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: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

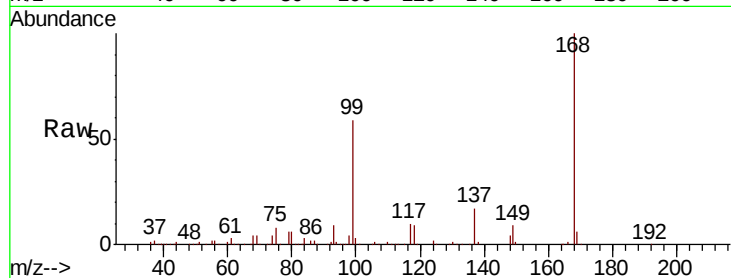
T4-B2-(0)

Tgt Ion:168 Resp: 280059

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

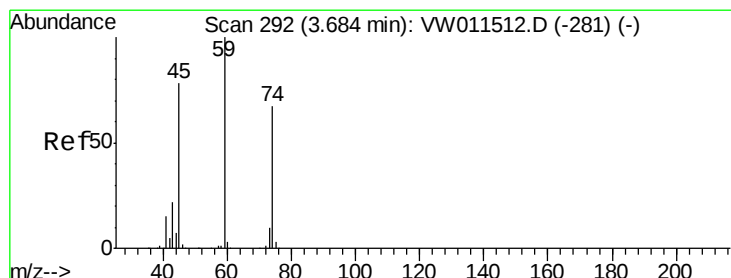
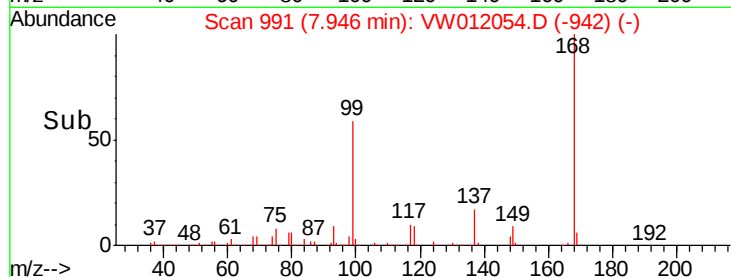
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.523 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012054.D

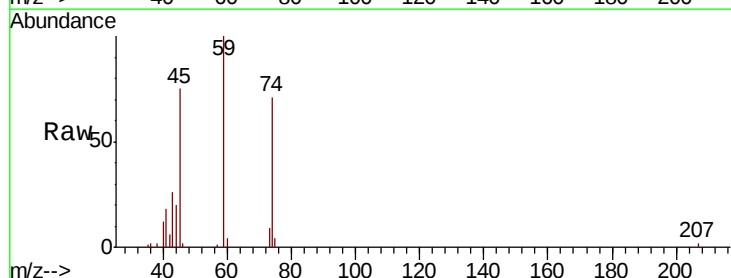
Acq: 21 Aug 2019 02:07

Tgt Ion: 74 Resp: 5816

Ion Ratio Lower Upper

74 100

45 123.8 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

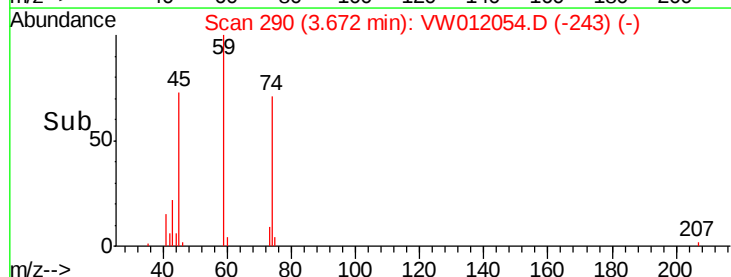
3000

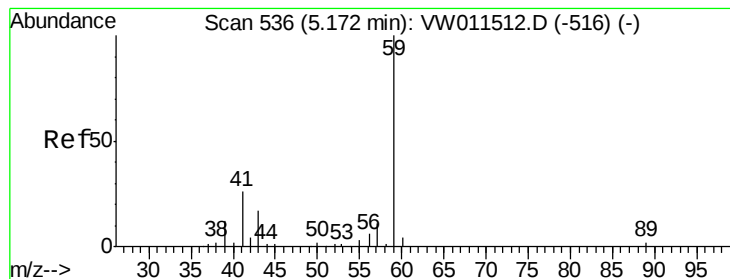
2000

1000

0

Time-->



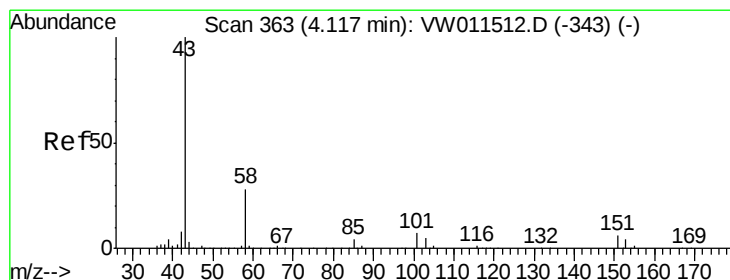
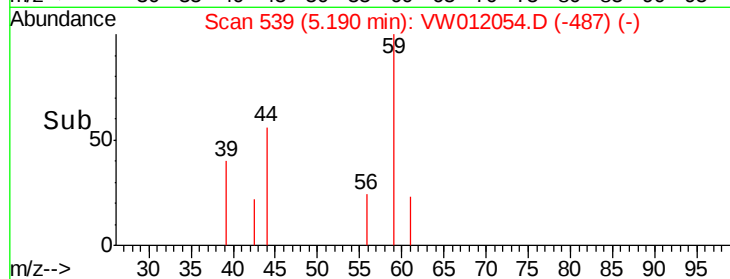
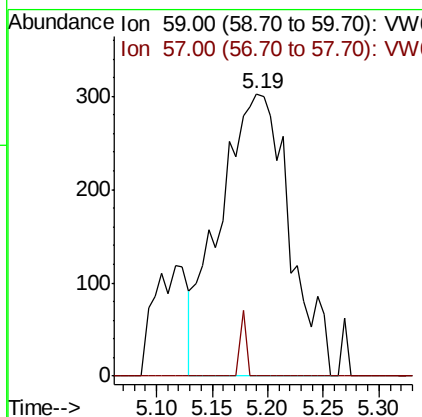
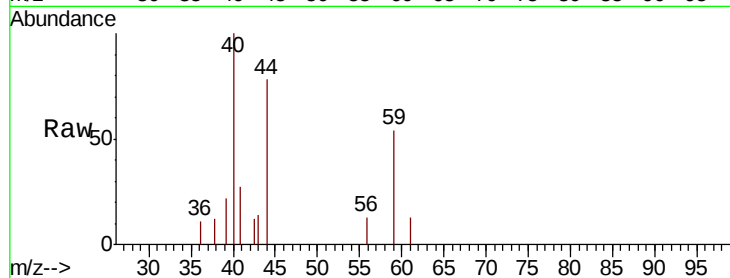


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B2-(0)

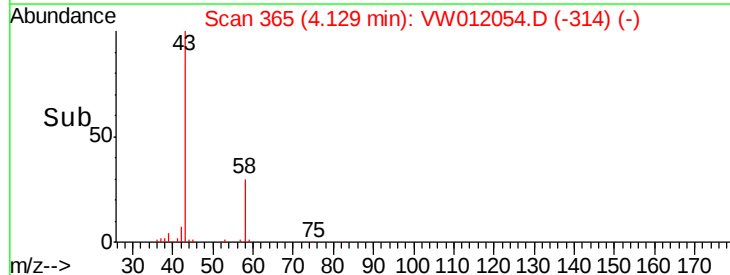
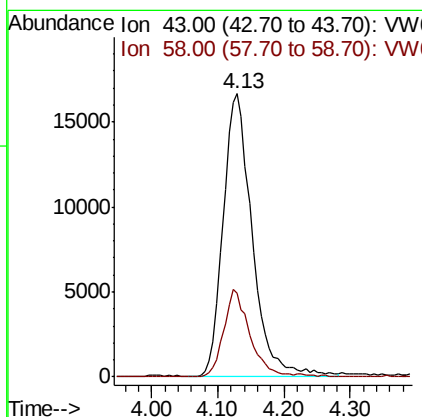
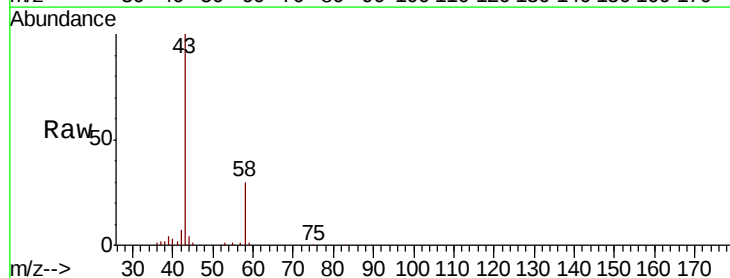
Tgt Ion: 59 Resp: 1324
 Ion Ratio Lower Upper
 59 100
 57 2.0 8.5 12.7#

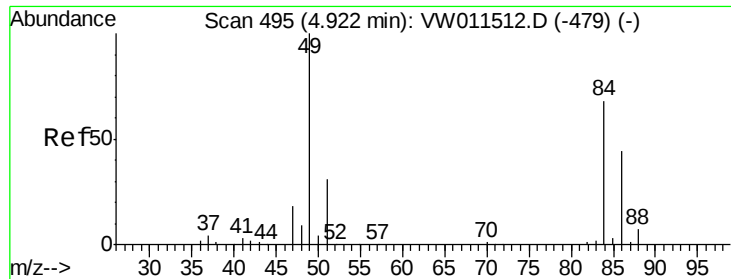


#16

Acetone
 Concen: 49.899 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

Tgt Ion: 43 Resp: 51044
 Ion Ratio Lower Upper
 43 100
 58 29.8 22.3 33.5

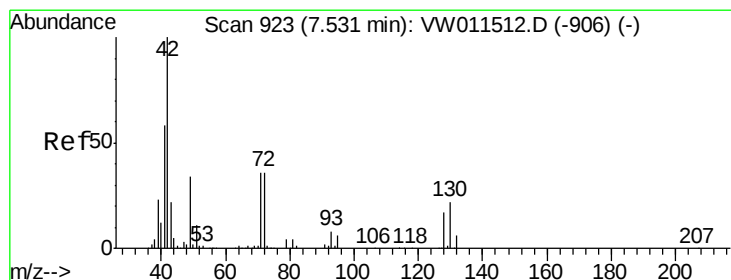
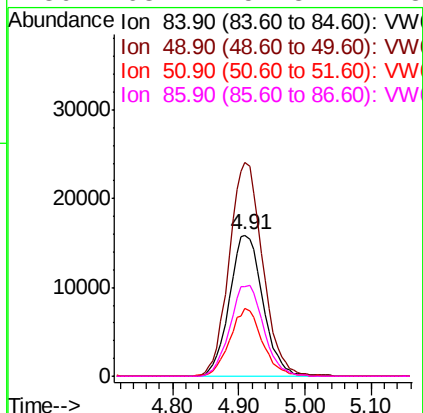
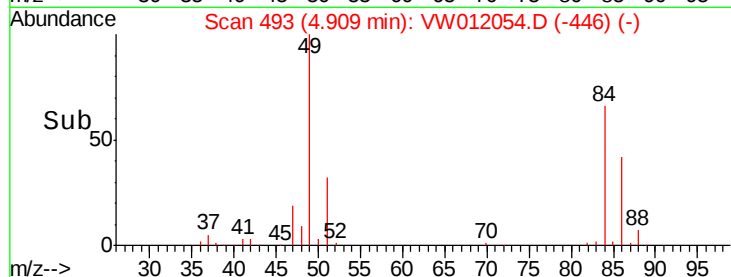
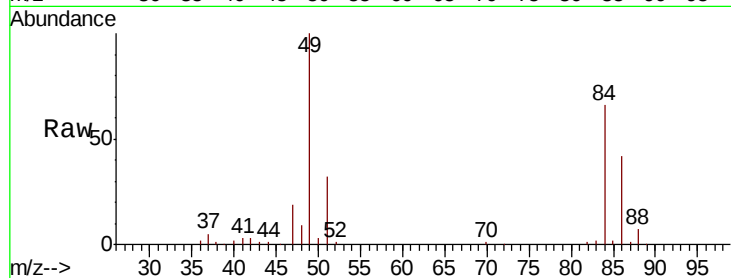




#20
Methylene Chloride
Concen: 15.844 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

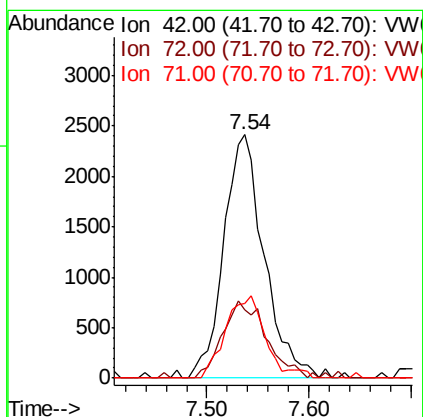
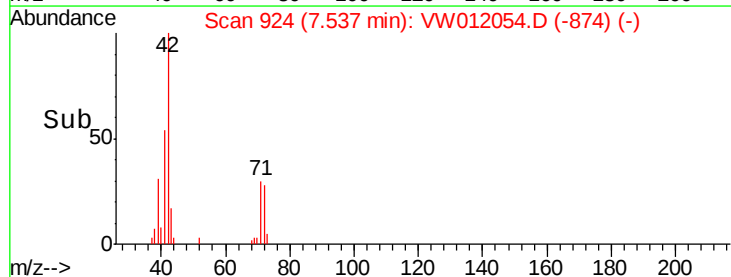
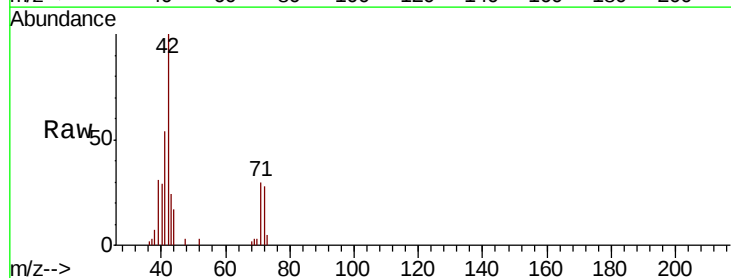
Instrument :
MSVOA_W
ClientSampleId :
T4-B2-(0)

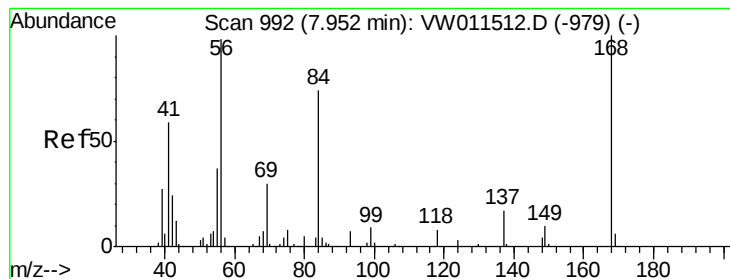
Tgt Ion:	84	Resp:	55898
Ion	Ratio	Lower	Upper
84	100		
49	151.1	117.8	176.6
51	48.0	37.0	55.4
86	63.7	51.8	77.8



#29
Tetrahydrofuran
Concen: 8.681 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion:	42	Resp:	6642
Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	33.4	26.2	39.4





#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

T4-B2-(0)

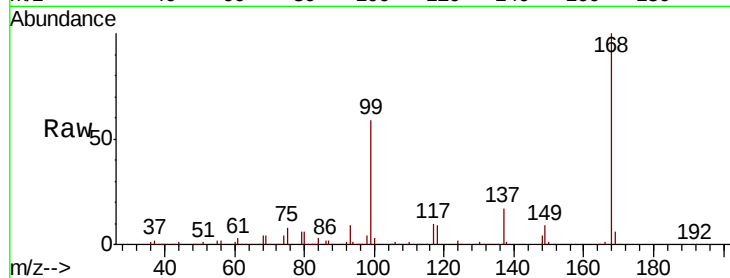
Tgt Ion: 56 Resp: 6755

Ion Ratio Lower Upper

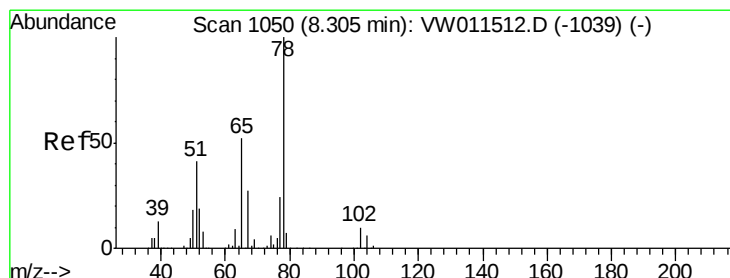
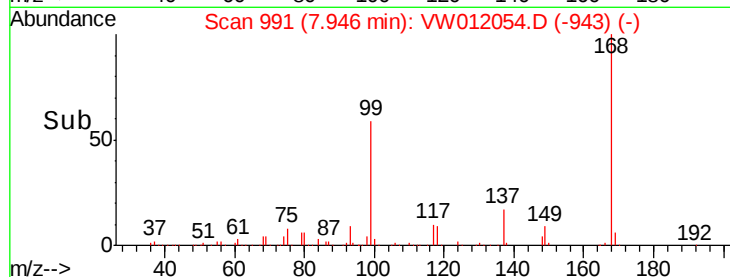
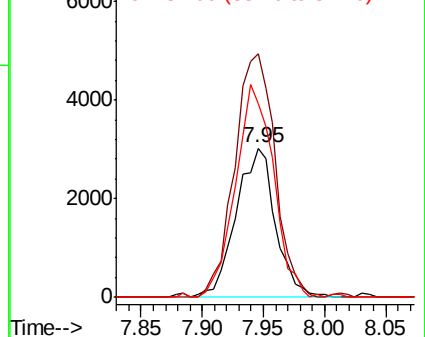
56 100

69 163.0 24.3 36.5#

84 129.6 60.4 90.6#



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: 53.577 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012054.D

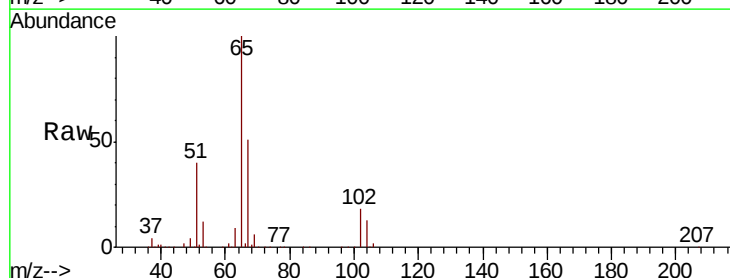
Acq: 21 Aug 2019 02:07

Tgt Ion: 65 Resp: 172295

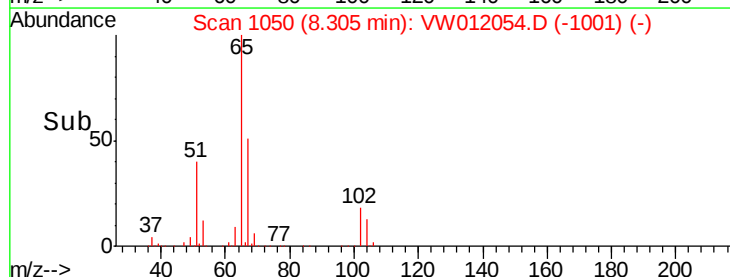
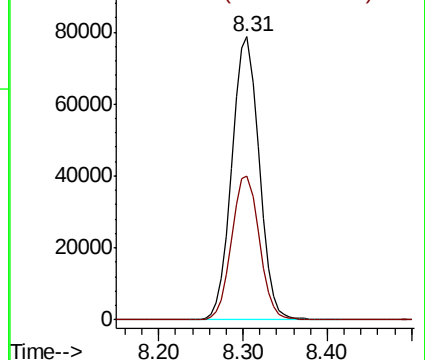
Ion Ratio Lower Upper

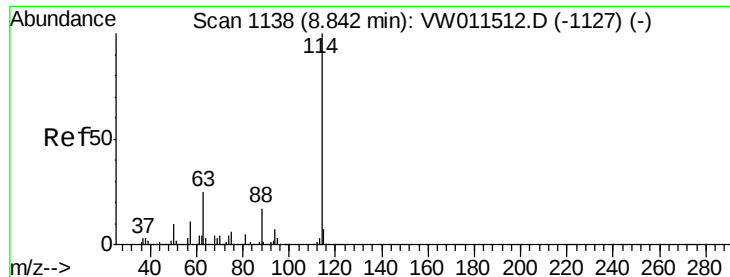
65 100

67 51.7 0.0 105.2



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

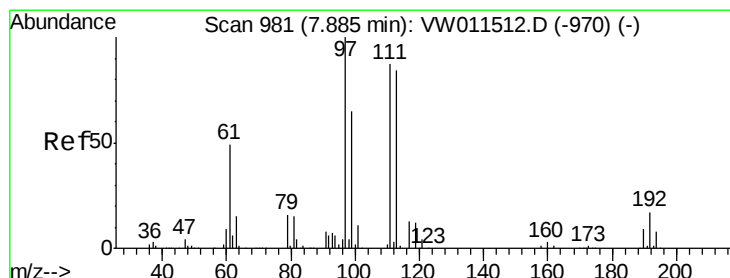
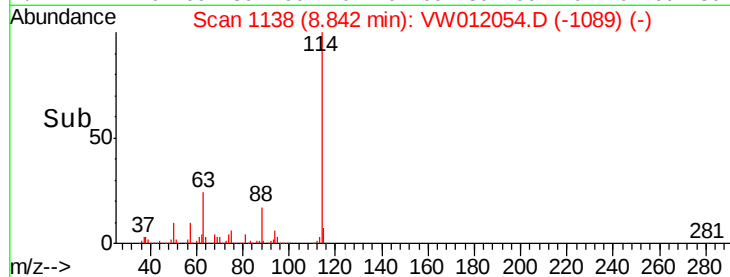
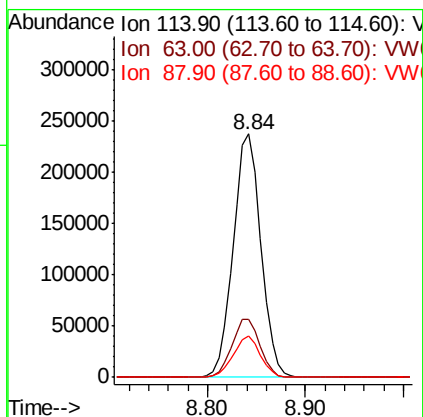
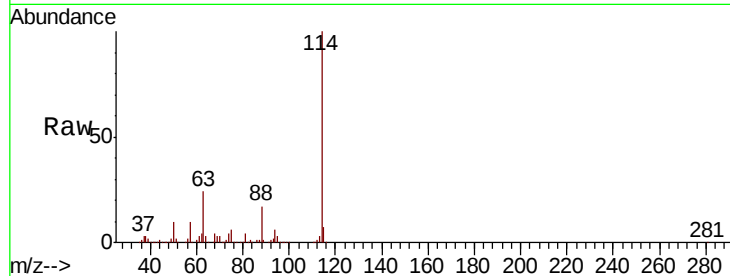




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

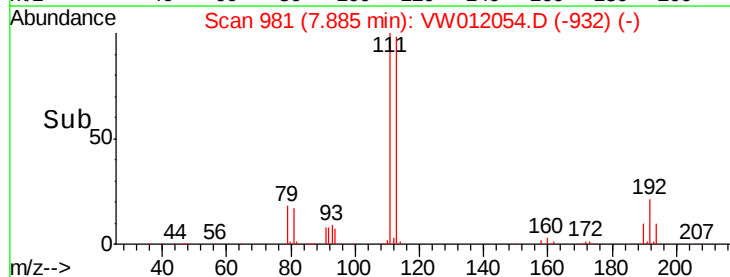
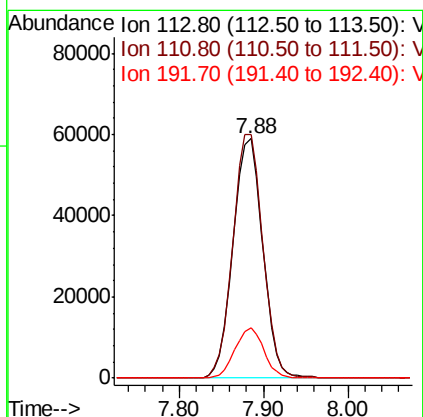
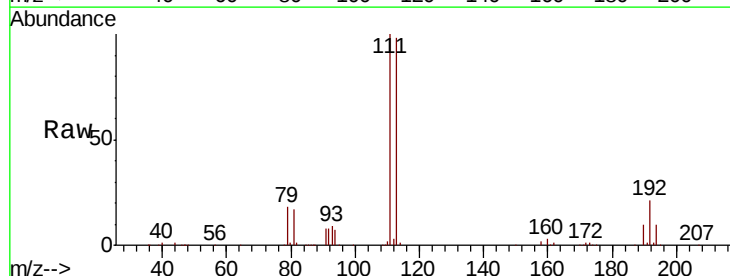
Instrument :
 MSVOA_W
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 T4-B2-(0)

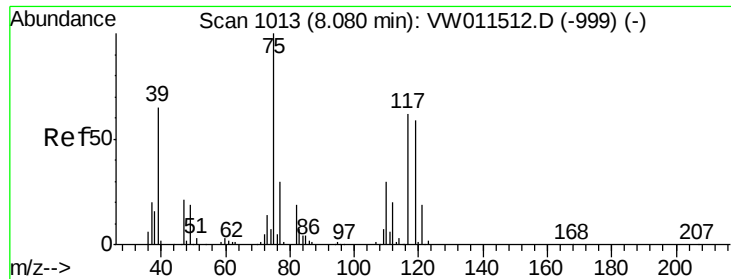
Tgt Ion:114 Resp: 465587
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 53.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

Tgt Ion:113 Resp: 140444
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.7 124.1
 192 20.4 16.1 24.1

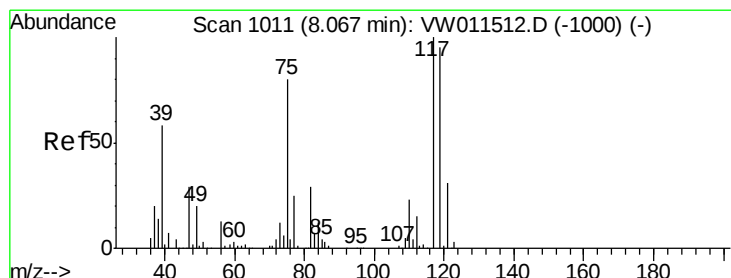
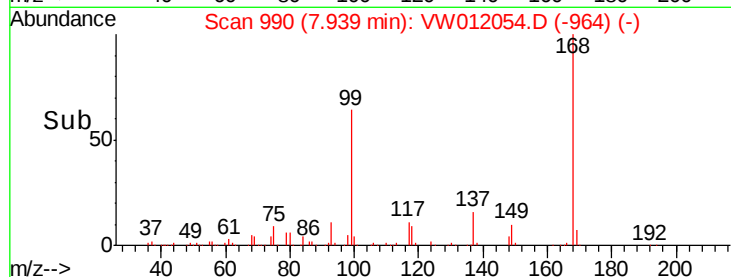
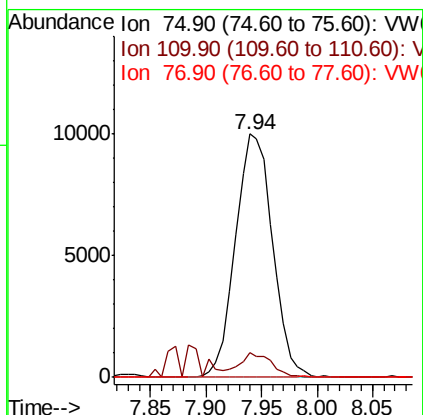
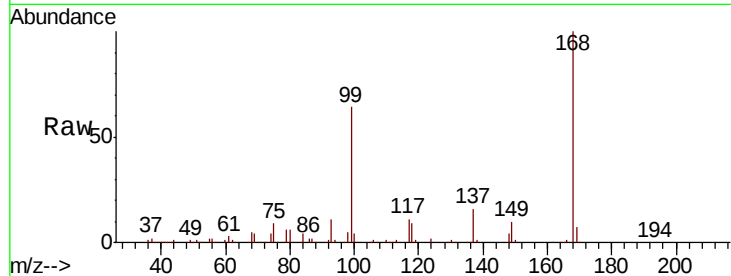




#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

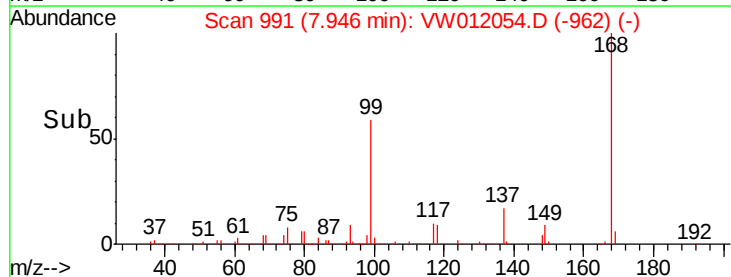
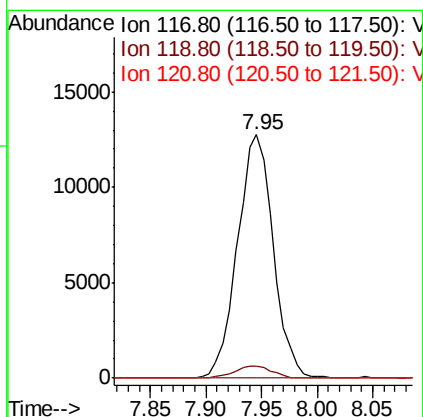
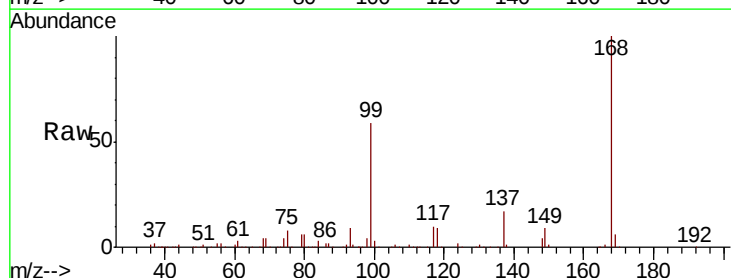
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-B2-(0)

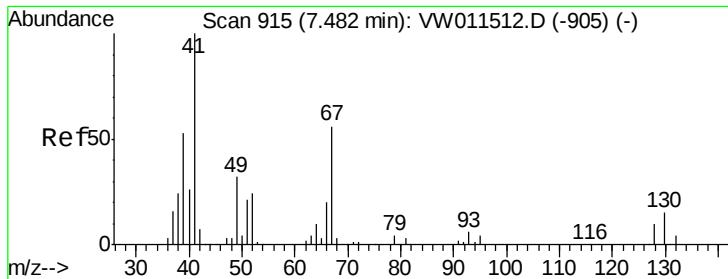
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.861 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012054.D
 Acq: 21 Aug 2019 02:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 2.406 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampled :

T4-B2-(0)

Tgt Ion: 41 Resp: 4006

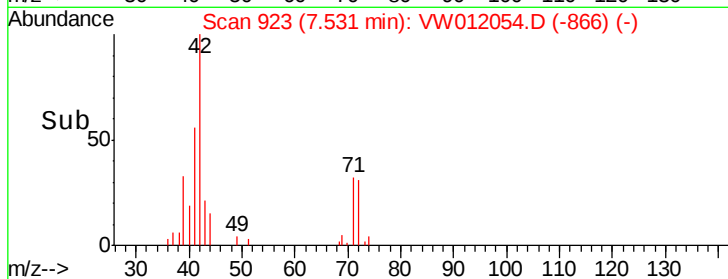
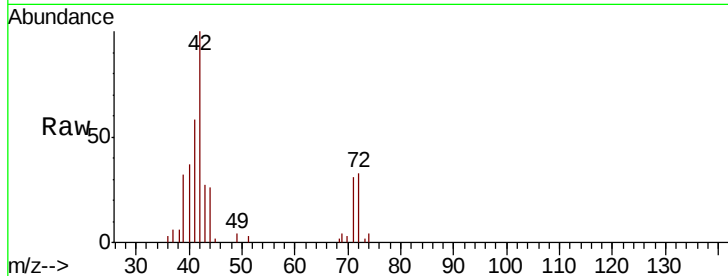
Ion Ratio Lower Upper

41 100

39 45.0 43.0 64.4

67 0.0 47.5 71.3#

52 0.7 21.0 31.6#

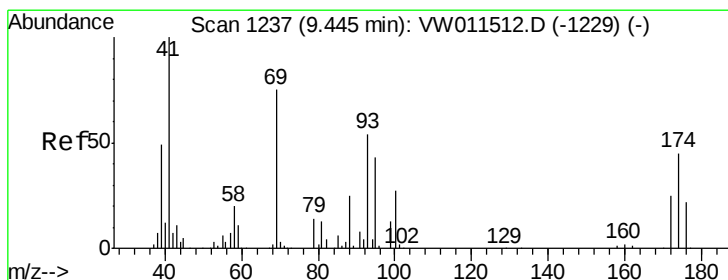
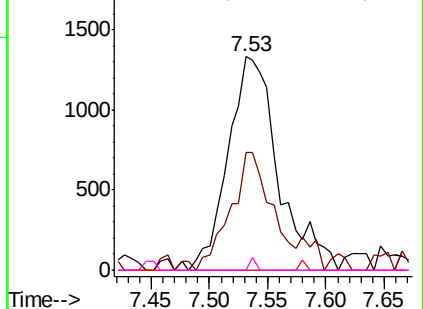


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#49

1,4-Dioxane

Concen: 1.710 ug/l

RT: 9.18 min Scan# 1194

Delta R.T. -0.26 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

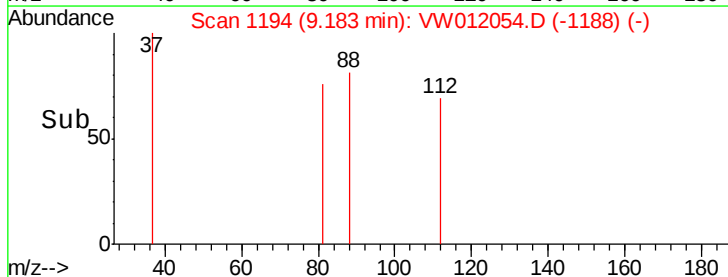
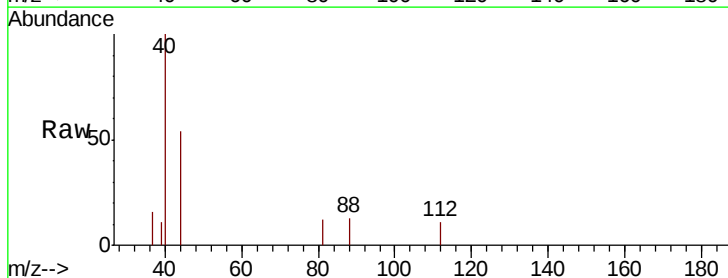
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 109.8 34.0 51.0#

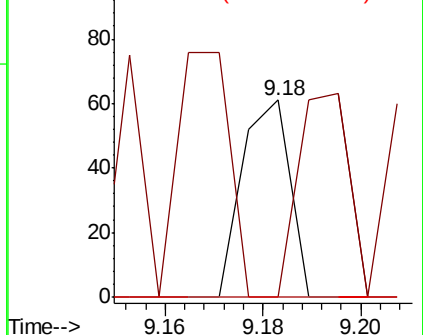
58 0.0 69.7 104.5#

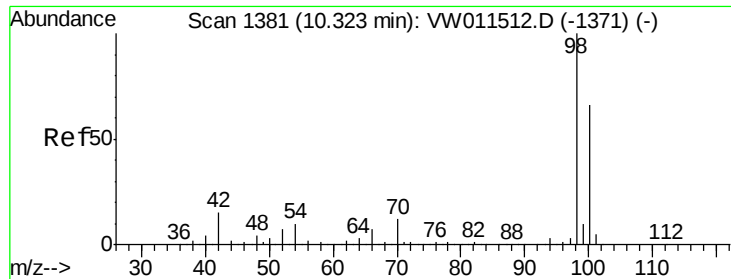


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

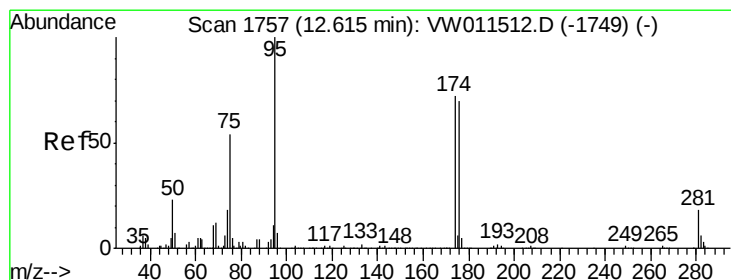
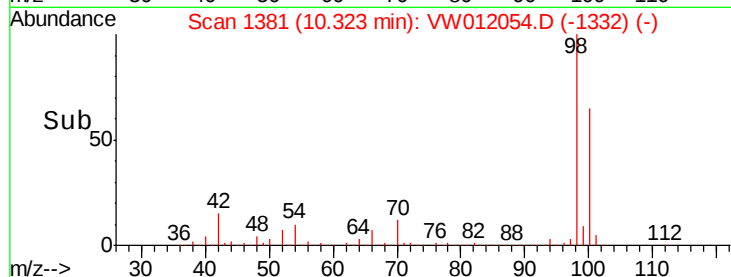
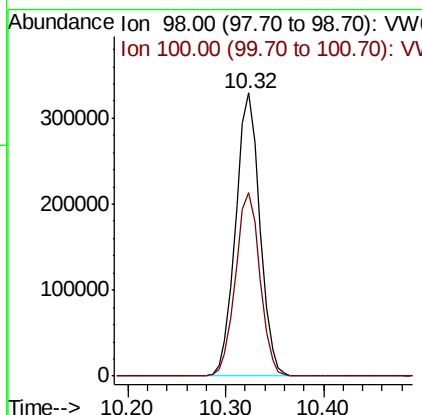
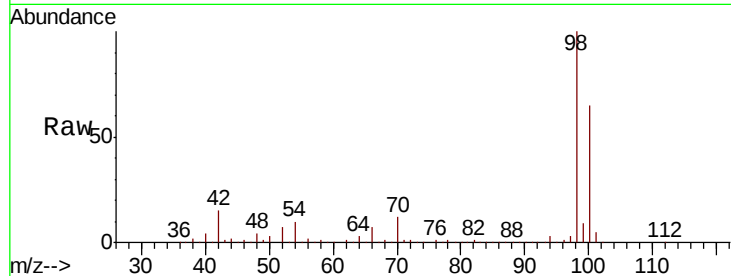




#50
Toluene-d8
Concen: 53.014 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

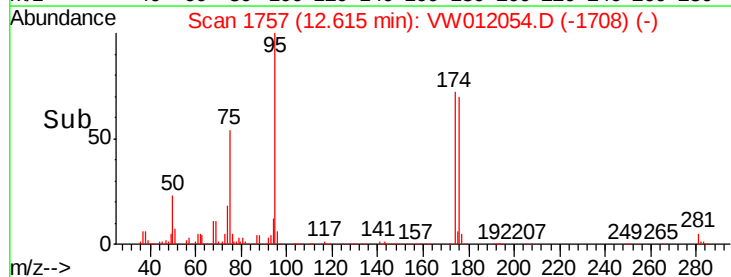
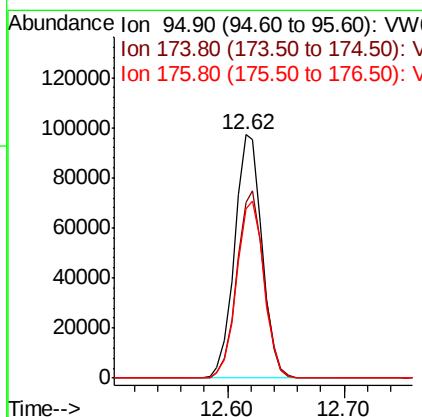
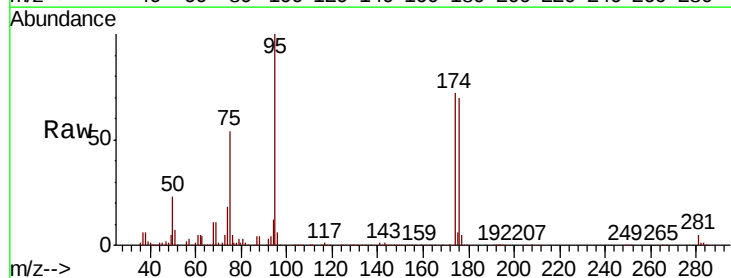
Instrument :
MSVOA_W
ClientSampleId :
T4-B2-(0)

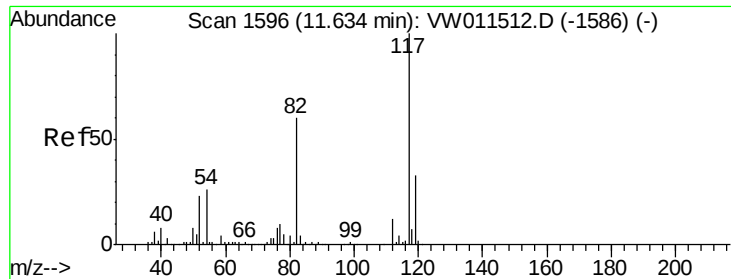
Tgt Ion: 98 Resp: 566949
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.753 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion: 95 Resp: 159195
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.2
176 73.1 0.0 144.4

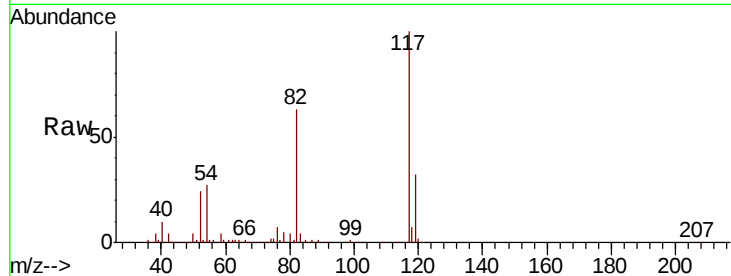




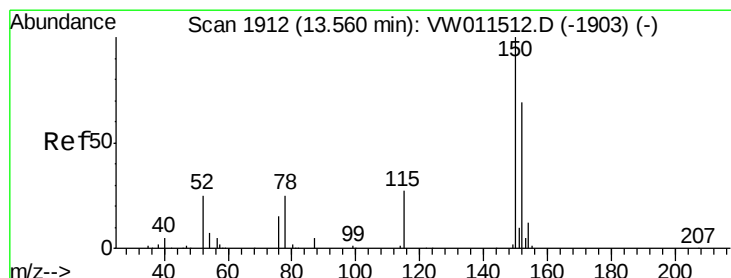
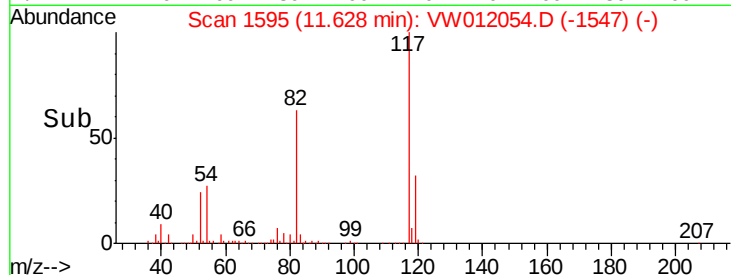
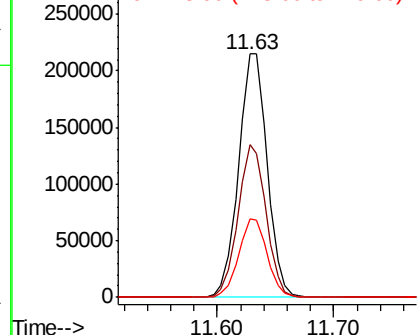
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Instrument :
MSVOA_W
ClientSampled :
T4-B2-(0)

Tgt Ion:117 Resp: 368334
Ion Ratio Lower Upper
117 100
82 62.6 47.9 71.9
119 32.3 26.2 39.2

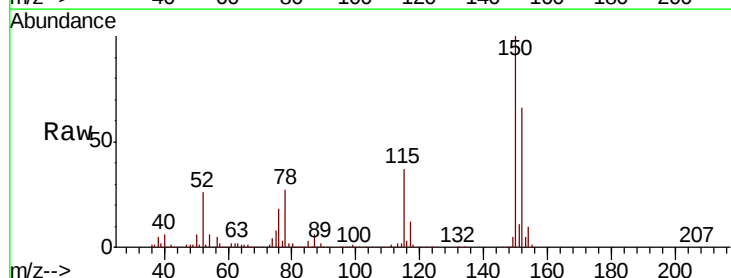


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

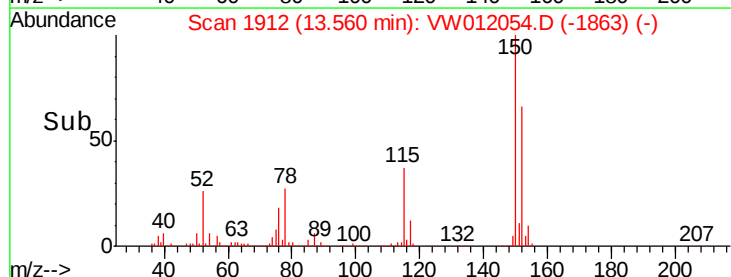
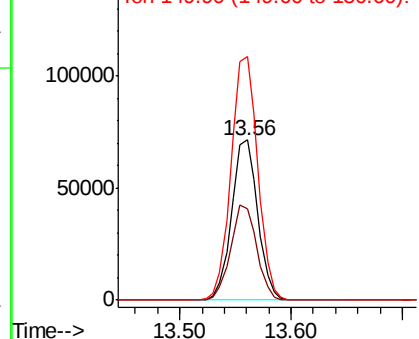


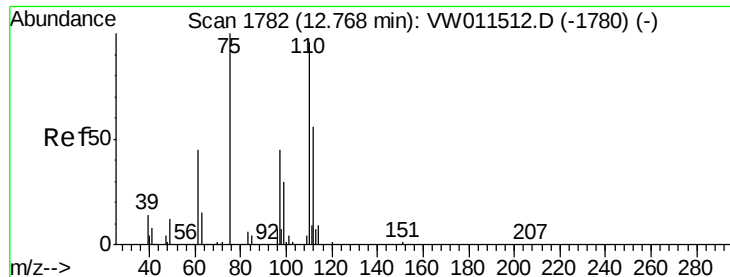
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012054.D
Acq: 21 Aug 2019 02:07

Tgt Ion:152 Resp: 116022
Ion Ratio Lower Upper
152 100
115 59.5 30.5 91.5
150 155.5 0.0 352.6



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: 68.894 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

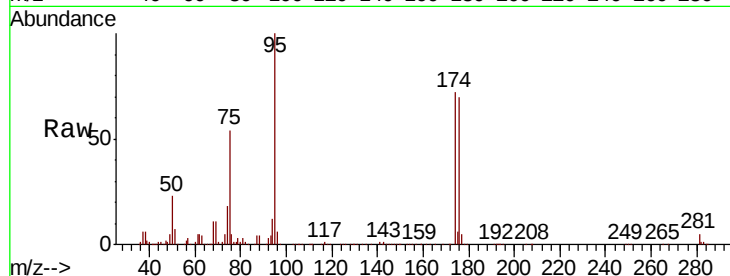
T4-B2-(0)

Tgt Ion: 75 Resp: 84577

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

60000

50000

40000

30000

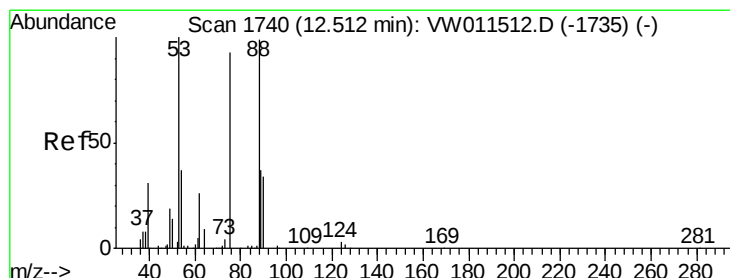
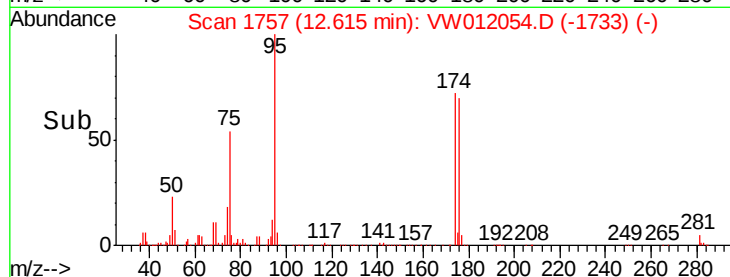
20000

10000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 158.776 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

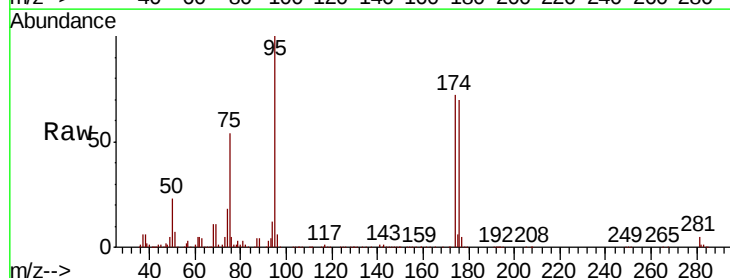
Tgt Ion: 75 Resp: 84577

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

60000

50000

40000

30000

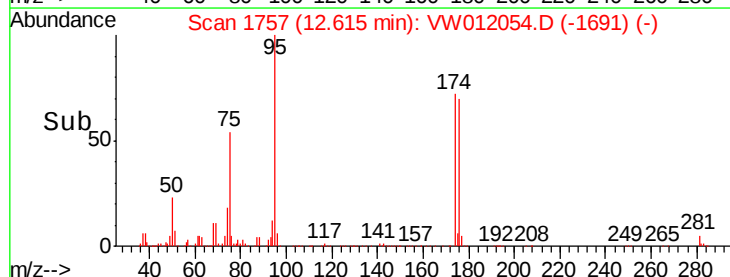
20000

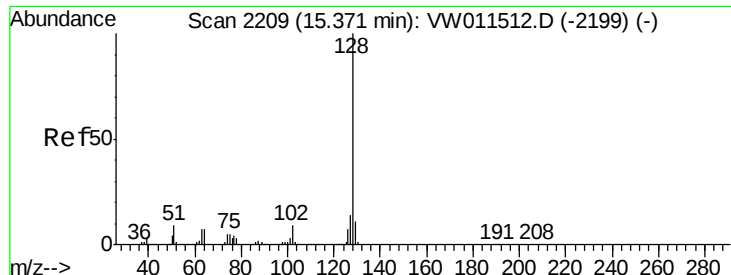
10000

0

12.55 12.60 12.65 12.70

Time-->





#95

Naphthalene

Concen: 2.150 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012054.D

Acq: 21 Aug 2019 02:07

Instrument :

MSVOA_W

ClientSampleId :

T4-B2-(0)

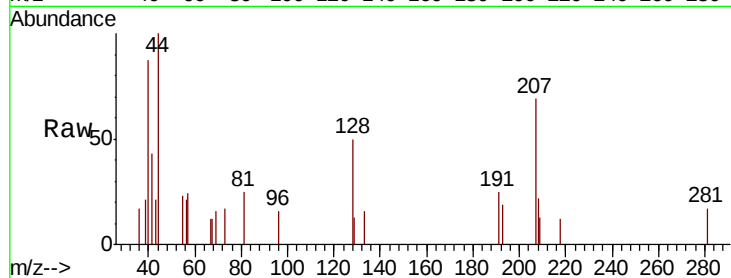
Tgt Ion:128 Resp: 401

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 5.2 8.6 13.0#



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

