

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012527.D
 Acq On : 03 Sep 2019 04:32
 Operator : SY/VA
 Sample : K4544-14
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(0)

Quant Time: Sep 03 07:46:40 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	256817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121374	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	152347	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.88	113	125465	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.32	98	493951	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.61	95	148405	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	

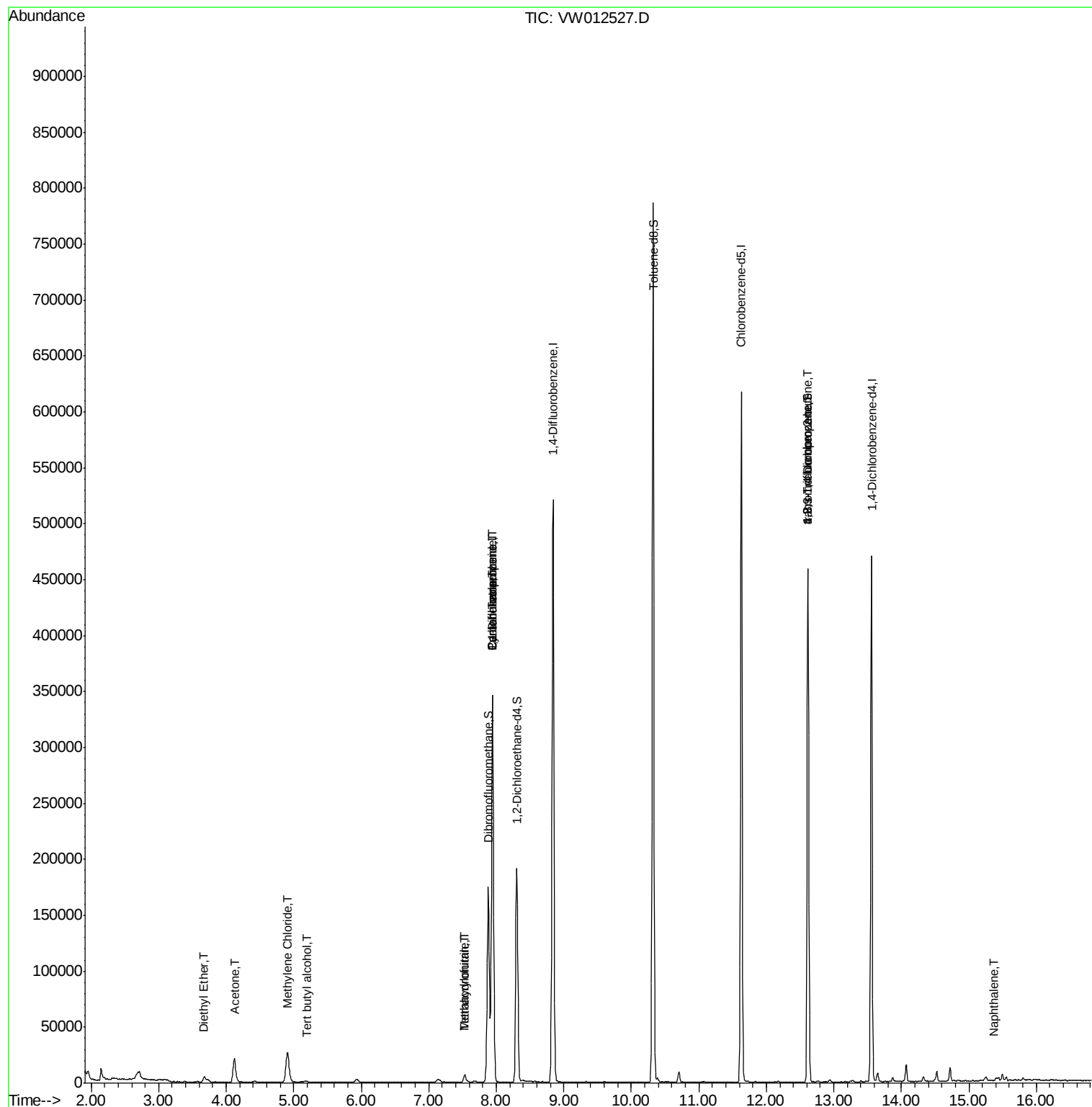
Target Compounds						Qvalue
8) Diethyl Ether	3.67	74	2768	1.937	ug/l	98
11) Tert butyl alcohol	5.20	59	1292	7.032	ug/l #	78
16) Acetone	4.12	43	39656	50.815	ug/l	94
20) Methylene Chloride	4.91	84	19434	6.587	ug/l	97
29) Tetrahydrofuran	7.54	42	5646	8.874	ug/l	96
31) Cyclohexane	7.94	56	6040	1.098	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	20882	4.898	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25239	6.840	ug/l #	17
41) Methacrylonitrile	7.54	41	3279	2.388	ug/l #	55
76) 1,2,3-Trichloropropane	12.61	75	78907	66.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	78907	146.356	ug/l #	6
95) Naphthalene	15.37	128	233	4.368	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: VW012527.D

Acq: 03 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

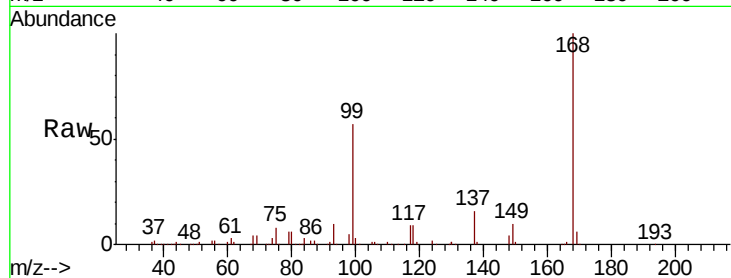
T16-17-C4-(0)

Tgt Ion:168 Resp: 256817

Ion Ratio Lower Upper

168 100

99 57.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

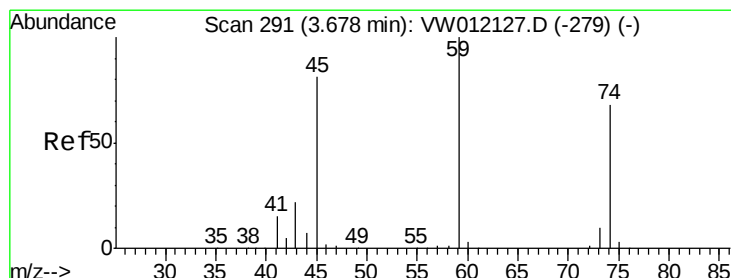
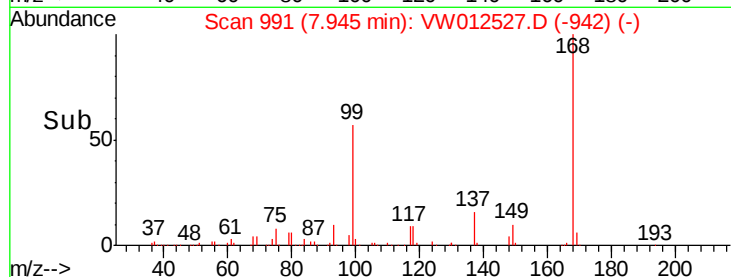
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.937 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012527.D

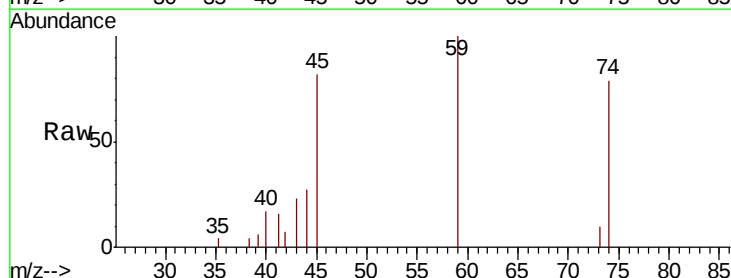
Acq: 03 Sep 2019 04:32

Tgt Ion: 74 Resp: 2768

Ion Ratio Lower Upper

74 100

45 120.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

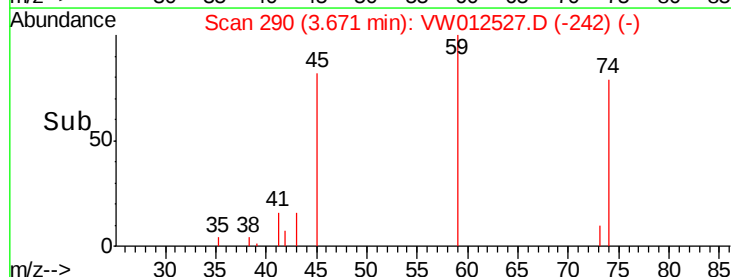
1500

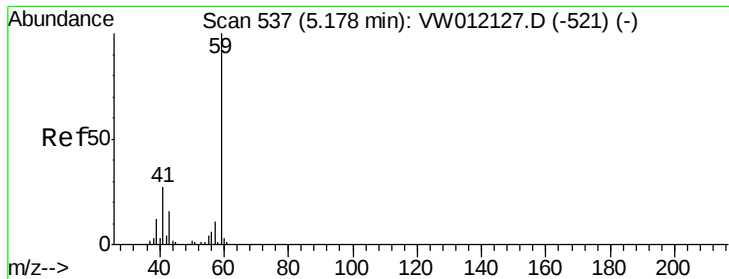
1000

500

0

Time-->

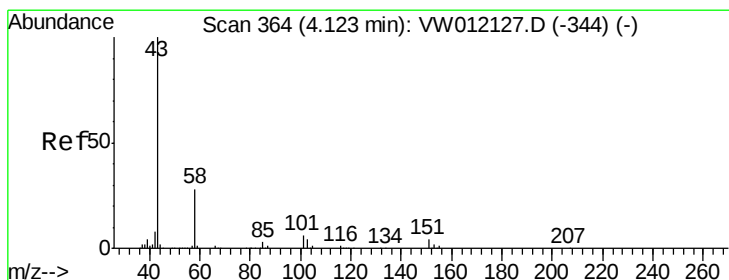
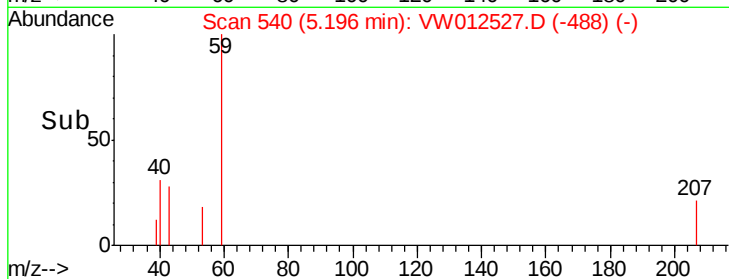
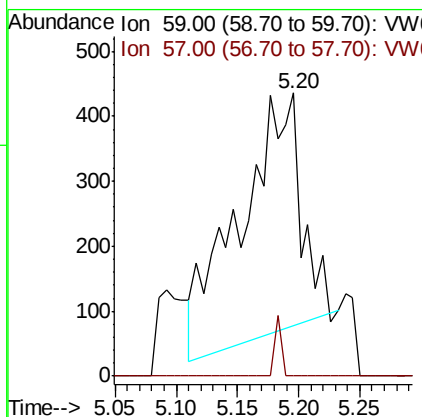
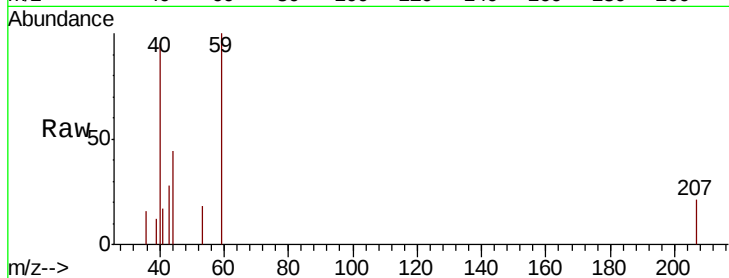




#11
Tert butyl alcohol
Concen: 7.032 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012527.D
Acq: 03 Sep 2019 04:32

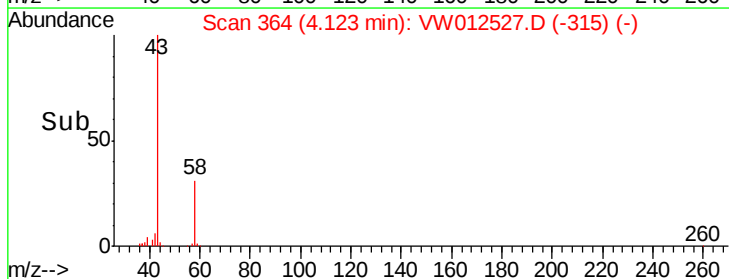
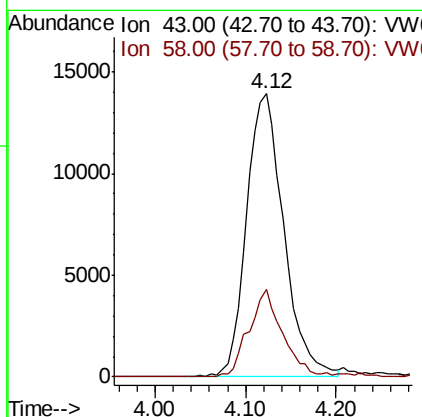
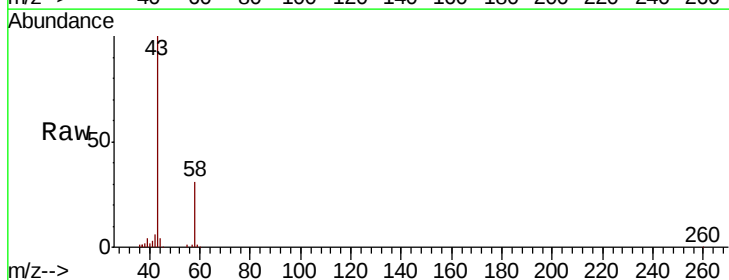
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C4-(0)

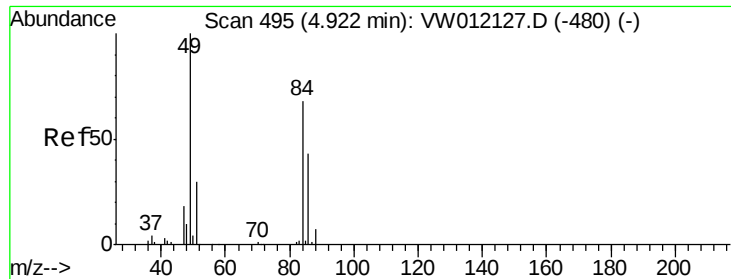
Tgt Ion: 59 Resp: 1292
Ion Ratio Lower Upper
59 100
57 2.6 9.0 13.4#



#16
Acetone
Concen: 50.815 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012527.D
Acq: 03 Sep 2019 04:32

Tgt Ion: 43 Resp: 39656
Ion Ratio Lower Upper
43 100
58 31.0 22.4 33.6

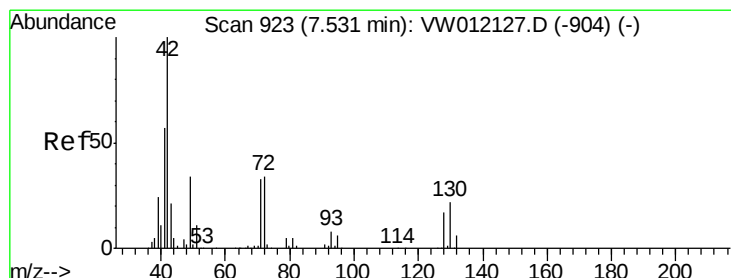
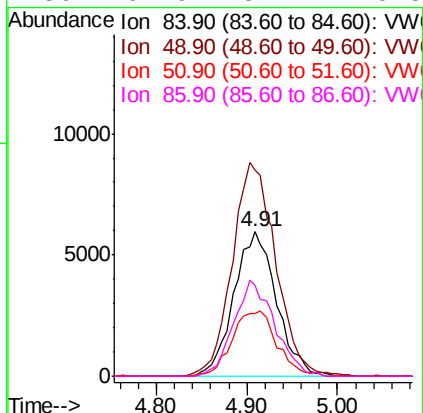
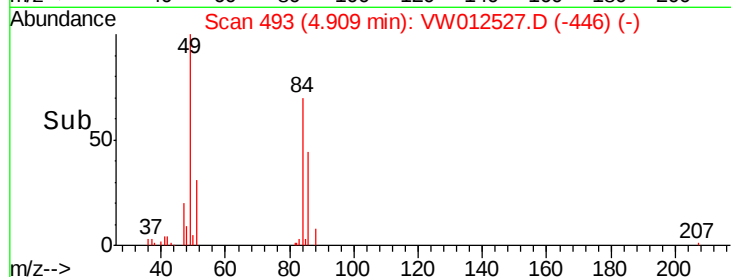
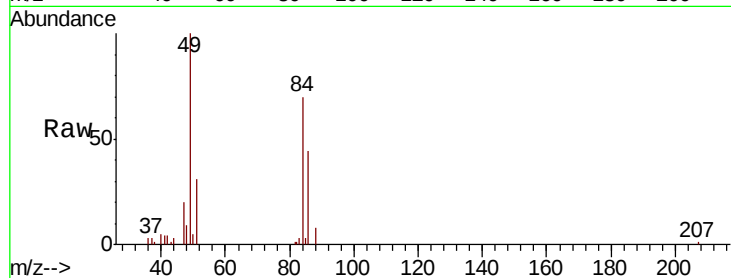




#20
Methylene Chloride
Concen: 6.587 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012527.D
Acq: 03 Sep 2019 04:32

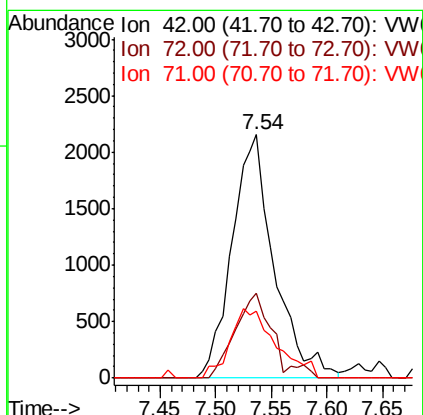
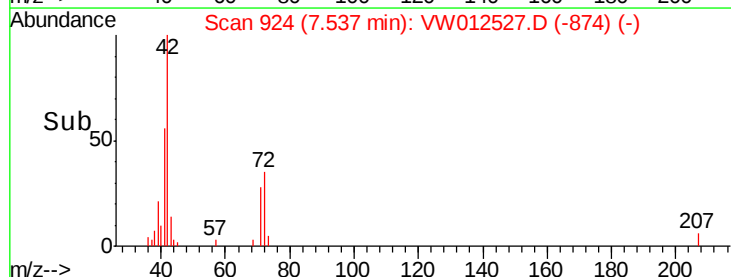
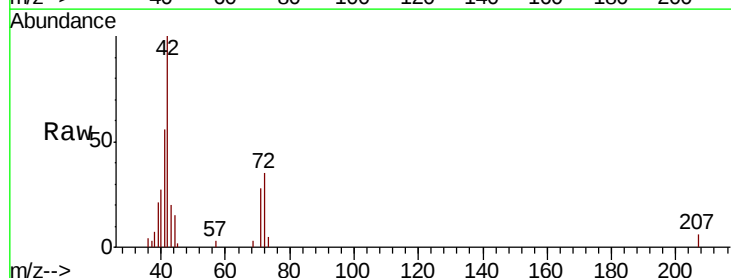
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C4-(0)

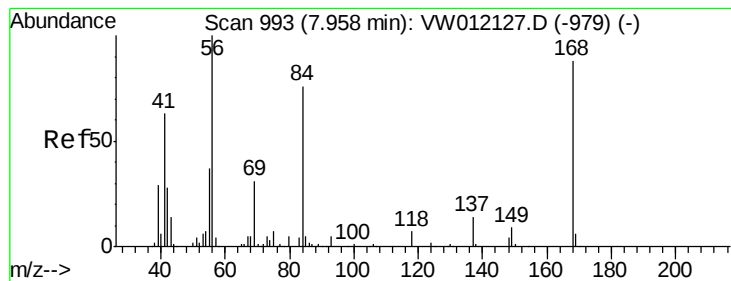
Tgt Ion:	84	Resp:	19434
Ion	Ratio	Lower	Upper
84	100		
49	141.5	117.8	176.8
51	43.7	35.6	53.4
86	62.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.874 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012527.D
Acq: 03 Sep 2019 04:32

Tgt Ion:	42	Resp:	5646
Ion	Ratio	Lower	Upper
42	100		
72	30.1	27.3	40.9
71	30.9	25.5	38.3





#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(0)

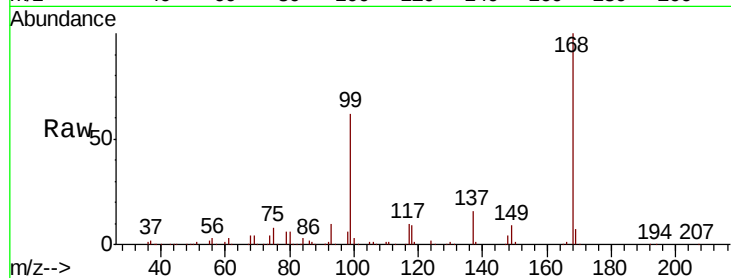
Tgt Ion: 56 Resp: 6040

Ion Ratio Lower Upper

56 100

69 149.5 24.9 37.3#

84 107.6 60.6 90.8#

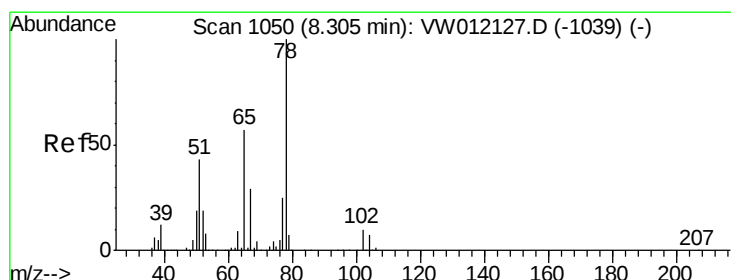
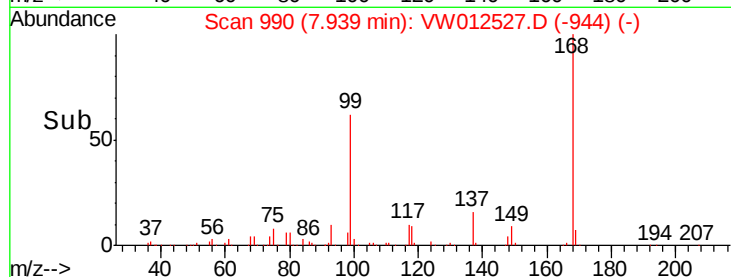
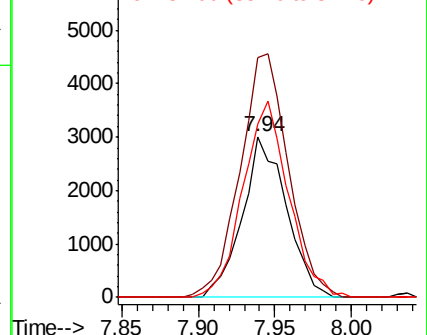


Abundance

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: 49.902 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012527.D

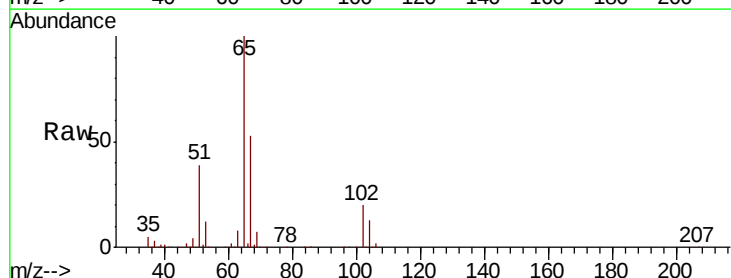
Acq: 03 Sep 2019 04:32

Tgt Ion: 65 Resp: 152347

Ion Ratio Lower Upper

65 100

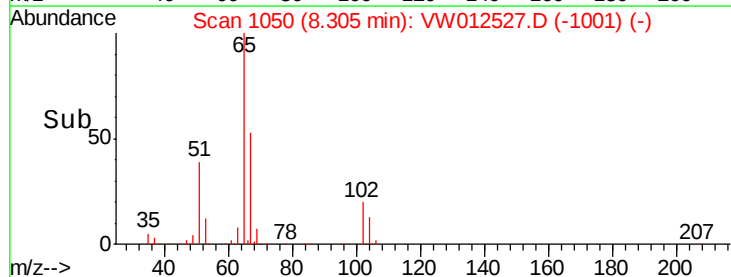
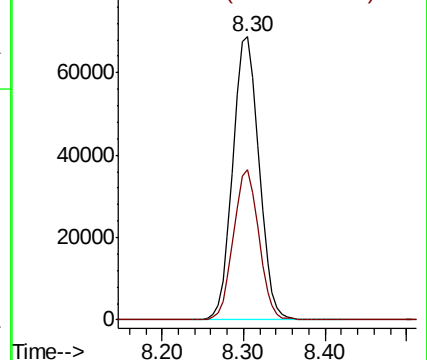
67 51.3 0.0 102.6

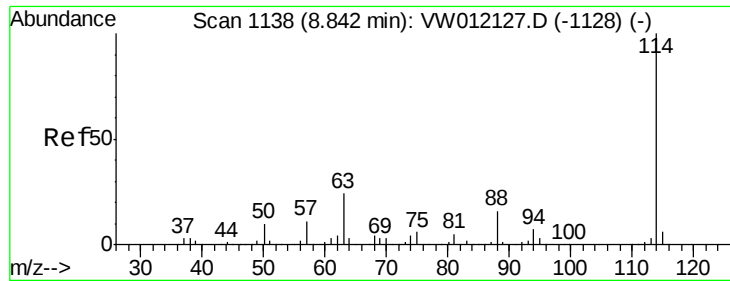


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

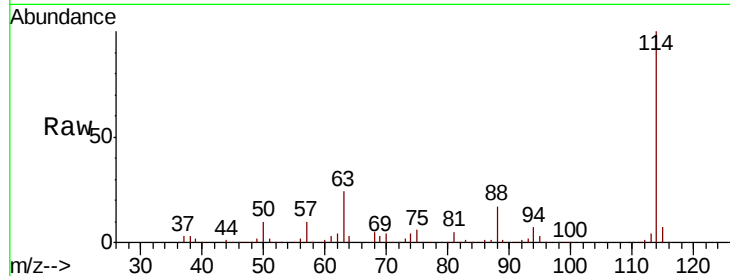




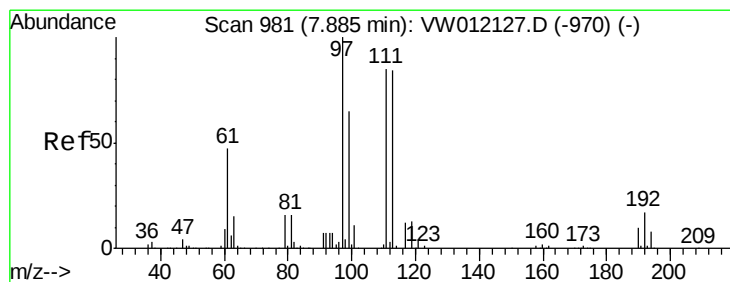
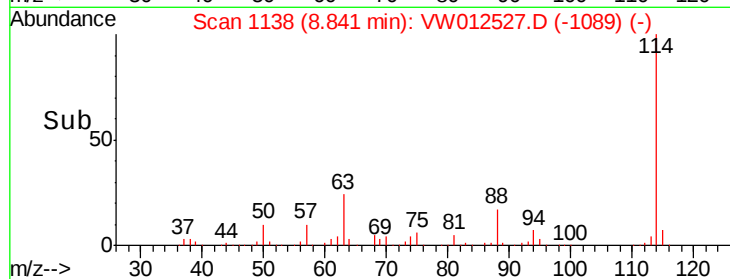
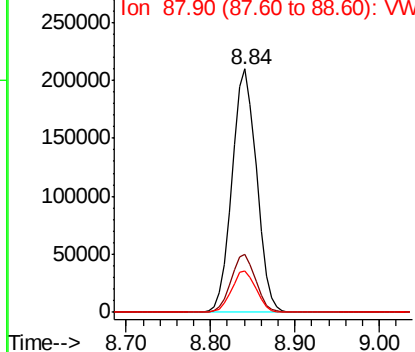
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(0)

Tgt Ion:114 Resp: 412557
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 16.8 0.0 32.2

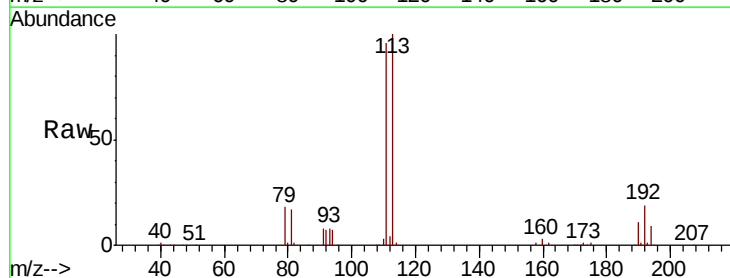


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

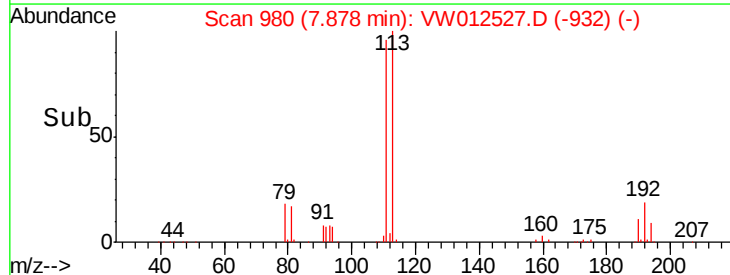
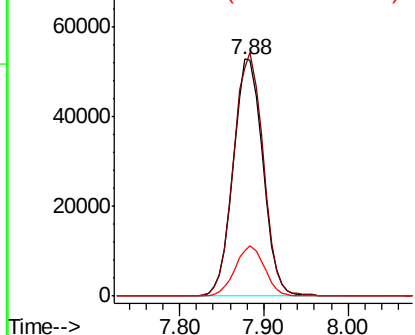


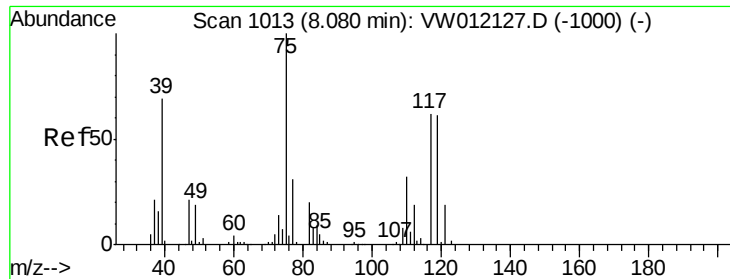
#35
 Dibromofluoromethane
 Concen: 50.949 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

Tgt Ion:113 Resp: 125465
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.8 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

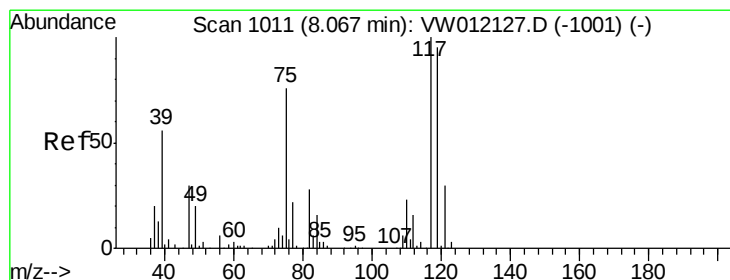
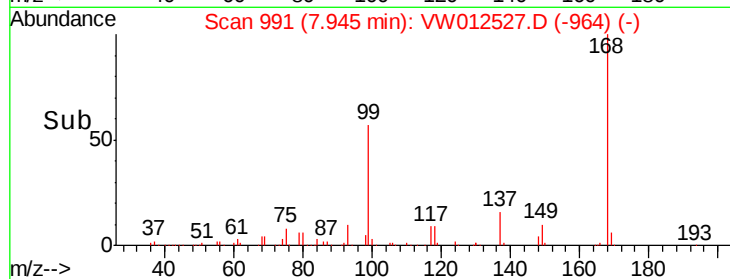
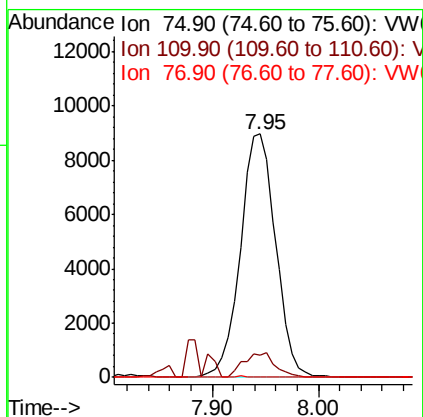
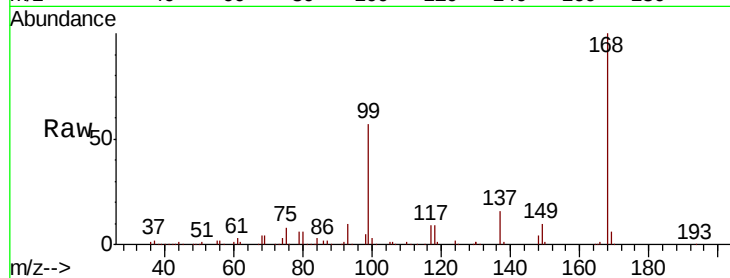




#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

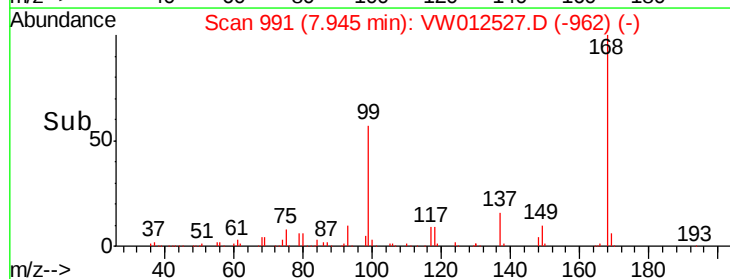
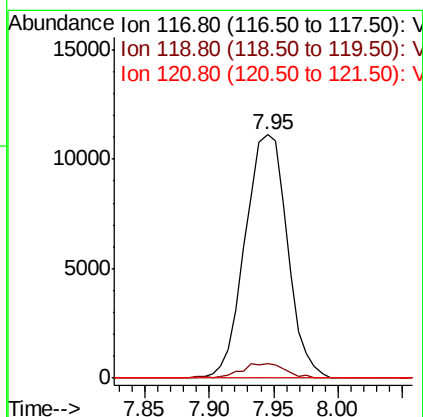
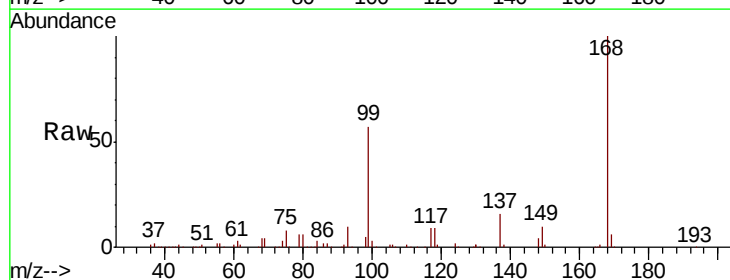
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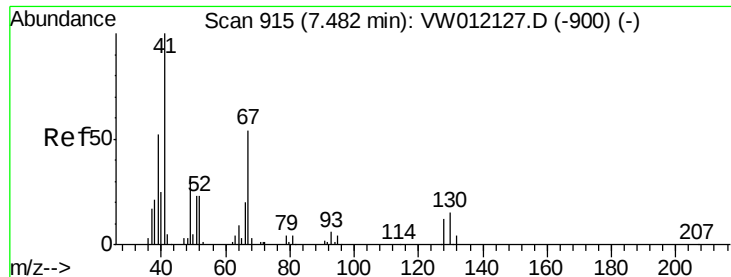
Tgt Ion: 75 Resp: 20882
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.840 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

Tgt Ion: 117 Resp: 25239
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.388 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(0)

Tgt Ion: 41 Resp: 3279

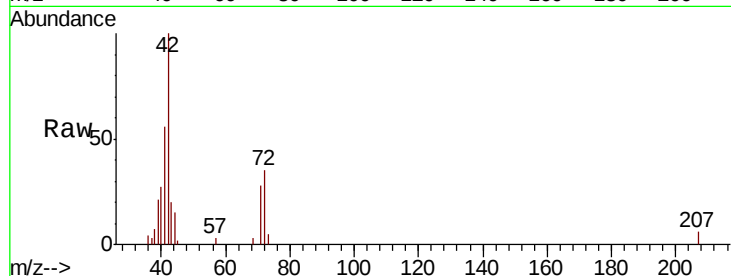
Ion Ratio Lower Upper

41 100

39 50.2 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

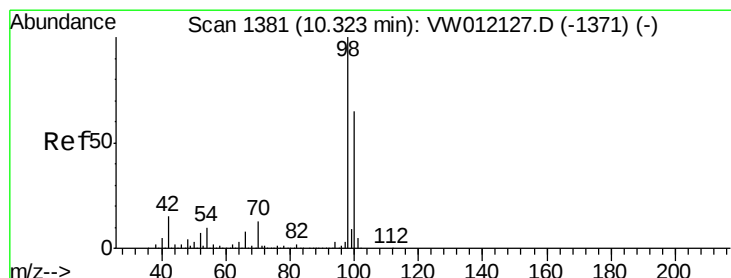
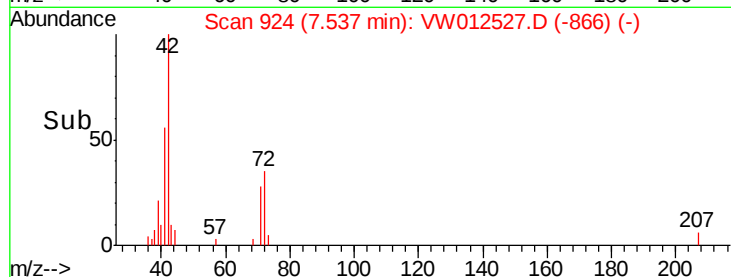
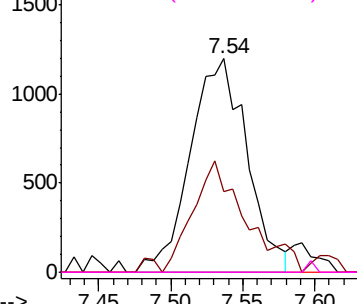


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.469 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012527.D

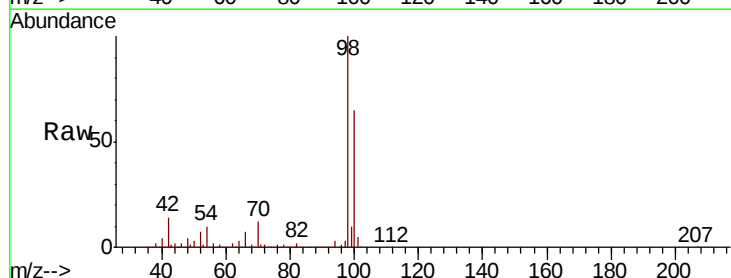
Acq: 03 Sep 2019 04:32

Tgt Ion: 98 Resp: 493951

Ion Ratio Lower Upper

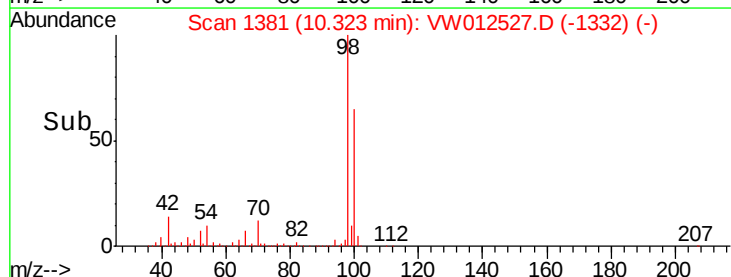
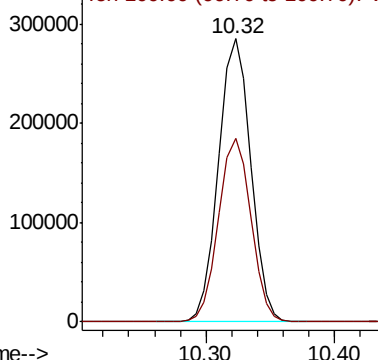
98 100

100 65.2 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: 42.164 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(0)

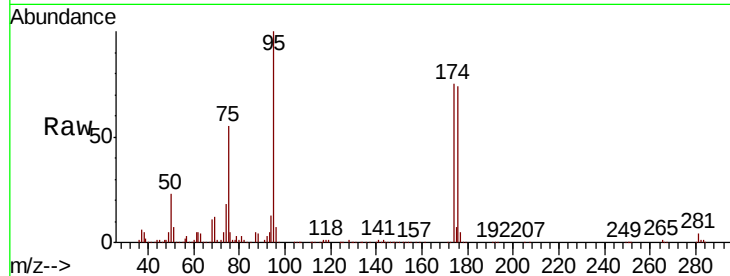
Tgt Ion: 95 Resp: 148405

Ion Ratio Lower Upper

95 100

174 78.0 0.0 150.8

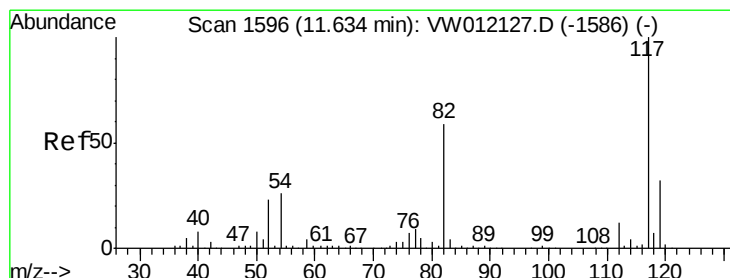
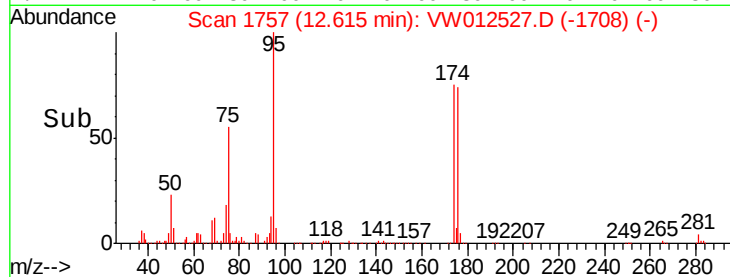
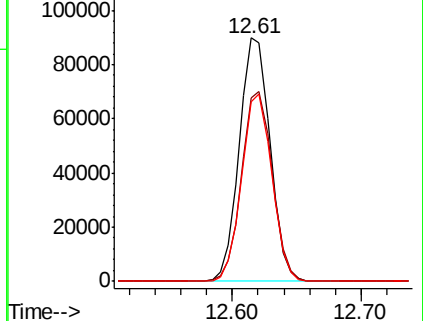
176 75.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

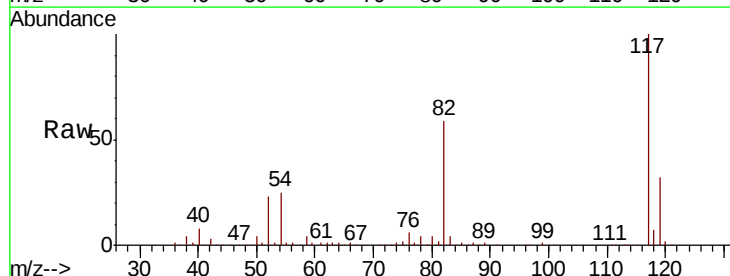
Tgt Ion: 117 Resp: 330911

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.2

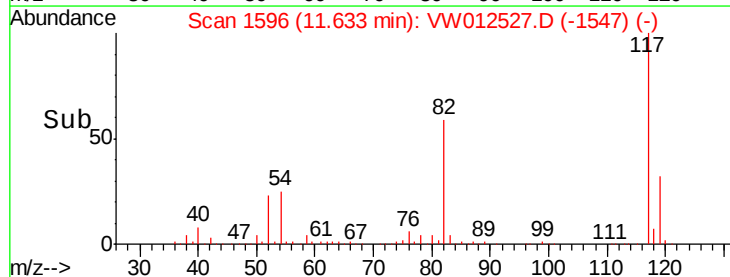
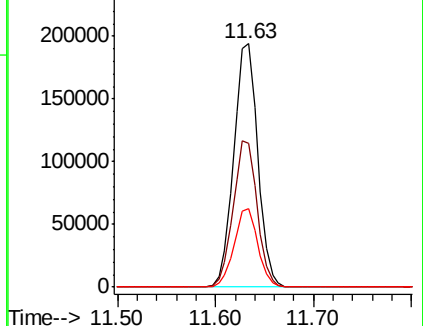
119 32.1 25.4 38.2

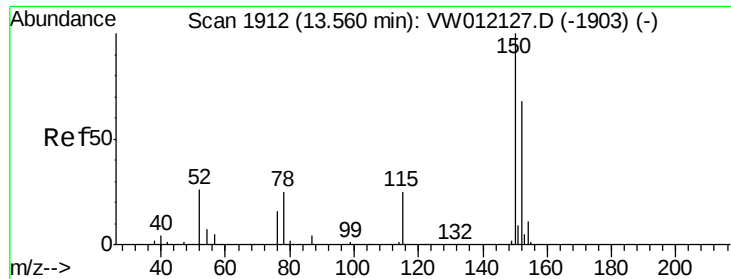


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

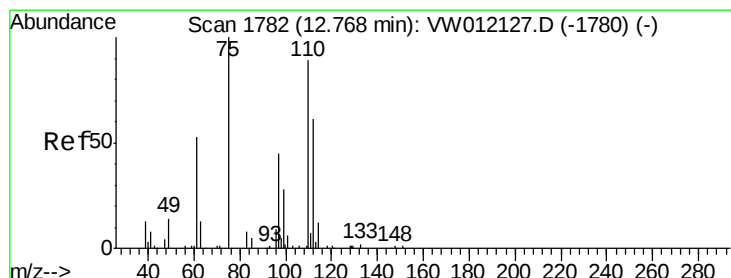
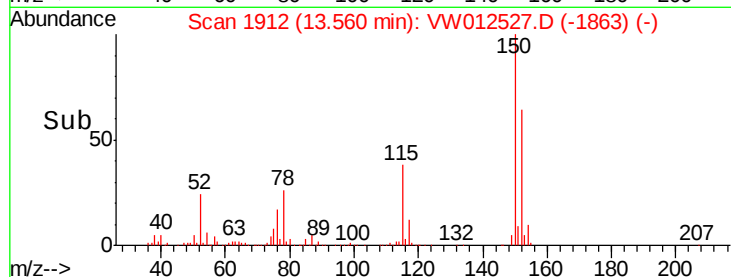
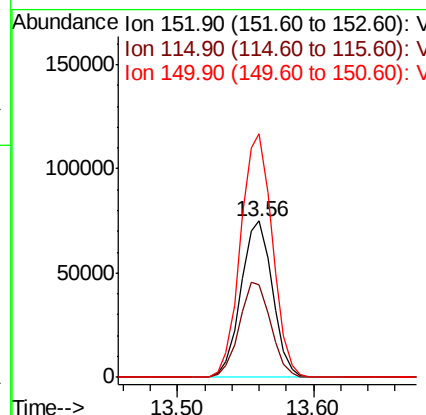
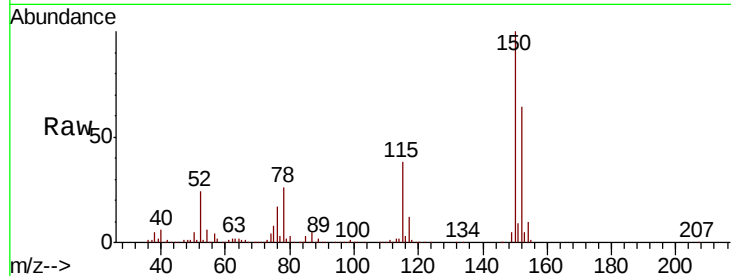




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

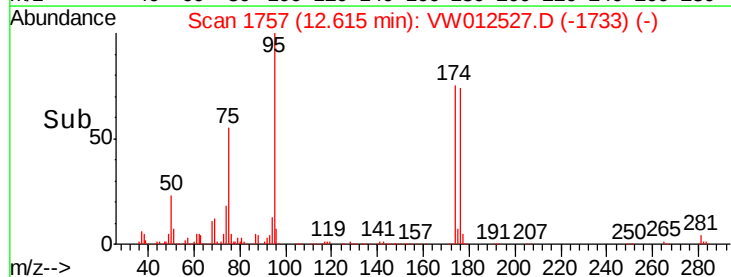
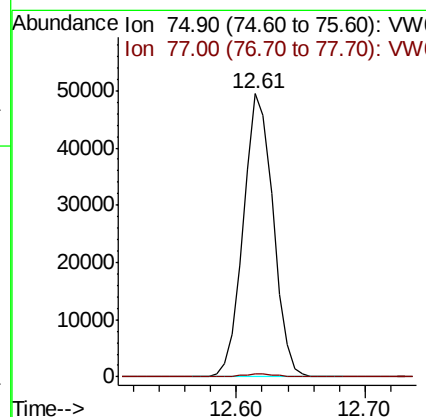
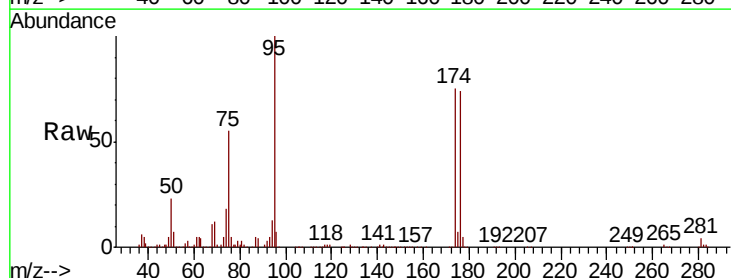
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(0)

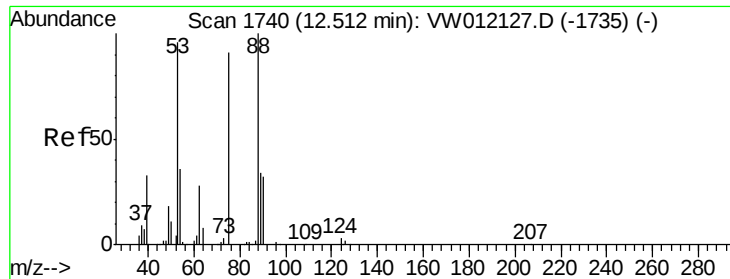
Tgt Ion:152 Resp: 121374
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.1 90.3
 150 156.9 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 66.752 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012527.D
 Acq: 03 Sep 2019 04:32

Tgt Ion: 75 Resp: 78907
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.356 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(0)

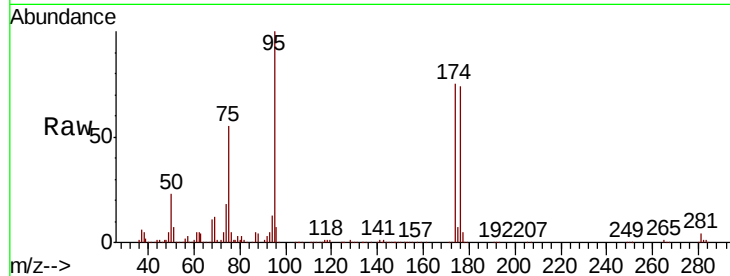
Tgt Ion: 75 Resp: 78907

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

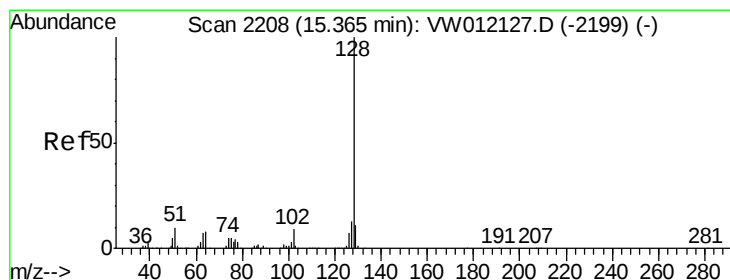
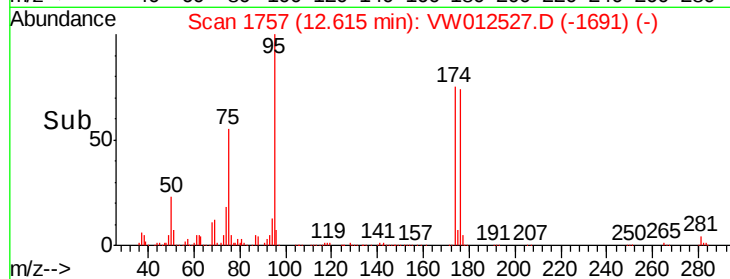
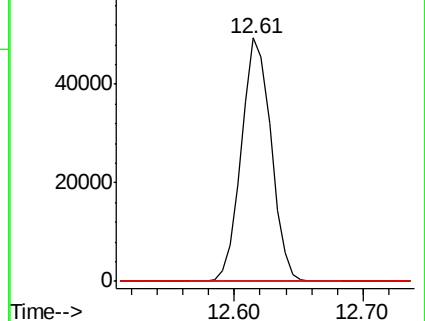
89 0.0 34.5 51.7#



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



#95

Naphthalene

Concen: 4.368 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012527.D

Acq: 03 Sep 2019 04:32

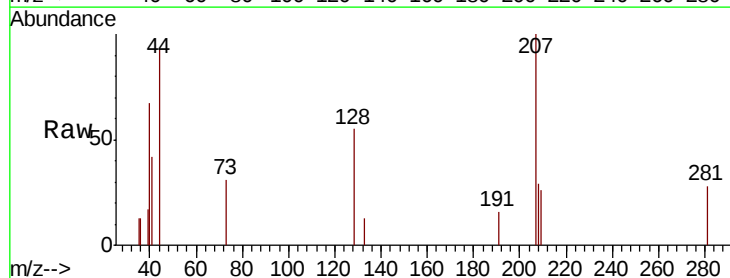
Tgt Ion: 128 Resp: 233

Ion Ratio Lower Upper

128 100

127 0.0 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

