

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012505.D
 Acq On : 02 Sep 2019 17:54
 Operator : SY/VA
 Sample : K4529-03RE
 Misc : 3.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T4-(0)

Quant Time: Sep 03 07:40:58 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

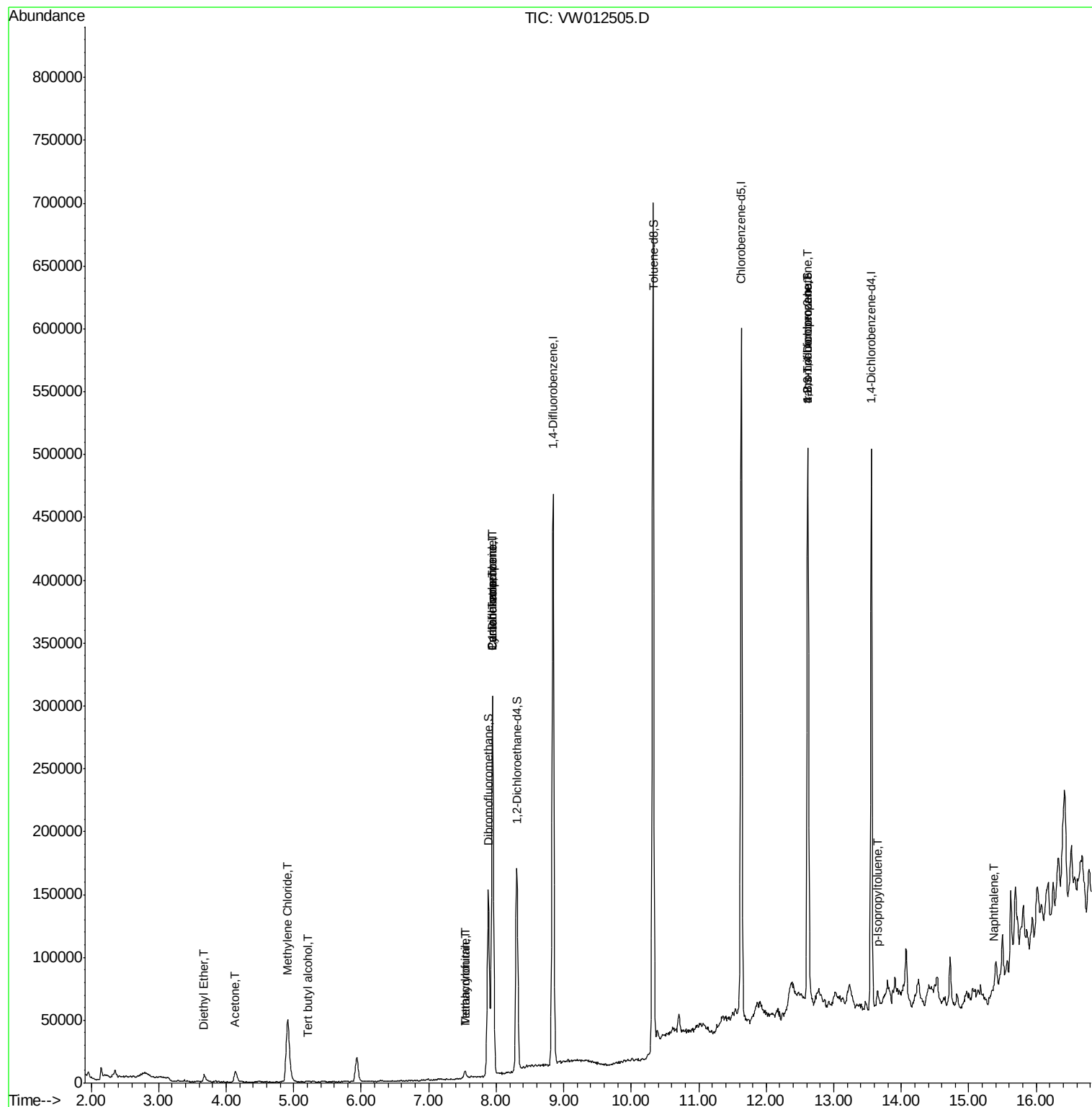
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	114182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132935	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.88	113	105021	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	10.32	98	431731	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	137726	45.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	2979	2.398	ug/l	87
11) Tert butyl alcohol	5.21	59	711	4.453	ug/l #	49
16) Acetone	4.14	43	18093	26.676	ug/l	98
20) Methylene Chloride	4.92	84	38783	15.126	ug/l	97
29) Tetrahydrofuran	7.53	42	5333	9.645	ug/l	94
31) Cyclohexane	7.95	56	5250	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18592	5.037	ug/l #	53
38) Carbon Tetrachloride	7.94	117	21982	6.881	ug/l #	16
41) Methacrylonitrile	7.54	41	3435	2.890	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	72867	65.525	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72867	143.666	ug/l #	6
86) p-Isopropyltoluene	13.66	119	12964	1.673	ug/l #	59
95) Naphthalene	15.36	128	764	4.483	ug/l #	85

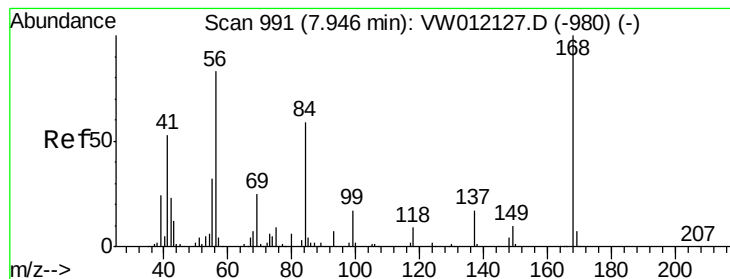
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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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: VW012505.D

Acq: 02 Sep 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

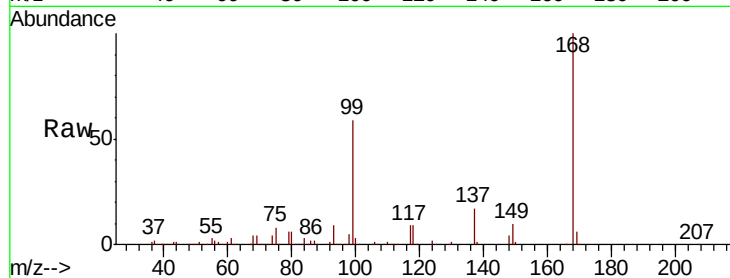
T9-12-13-T4-(0)

Tgt Ion:168 Resp: 223201

Ion Ratio Lower Upper

168 100

99 59.0 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

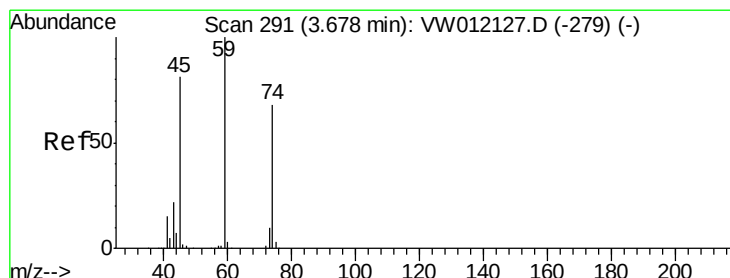
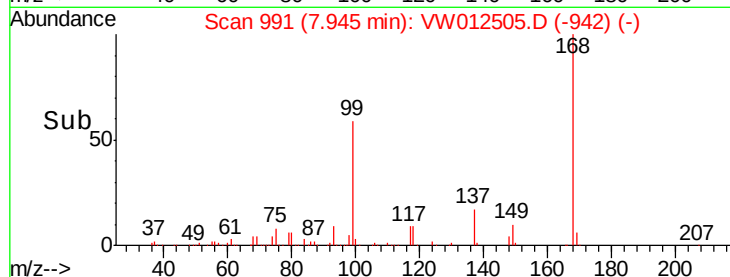
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.398 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012505.D

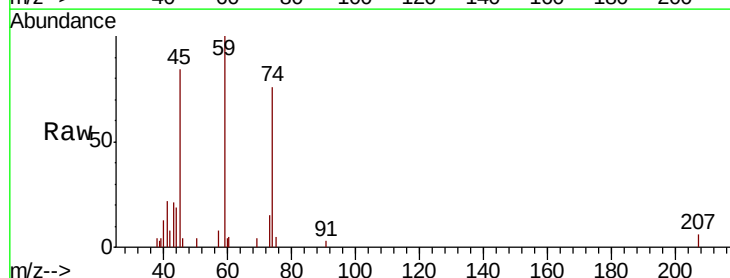
Acq: 02 Sep 2019 17:54

Tgt Ion: 74 Resp: 2979

Ion Ratio Lower Upper

74 100

45 132.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

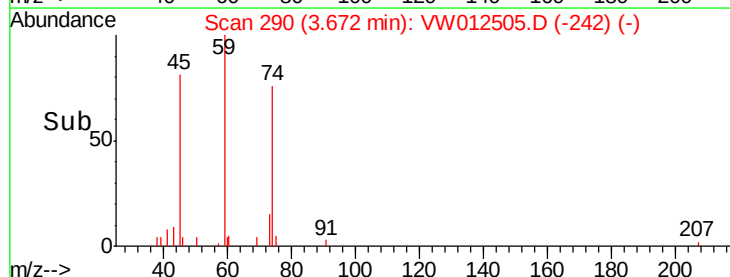
1500

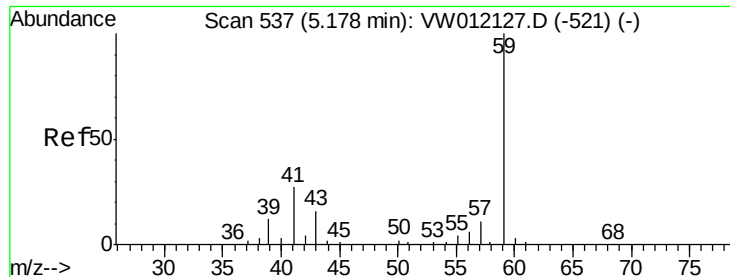
1000

500

0

Time-->

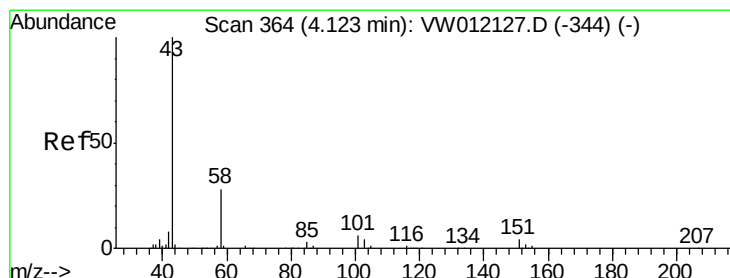
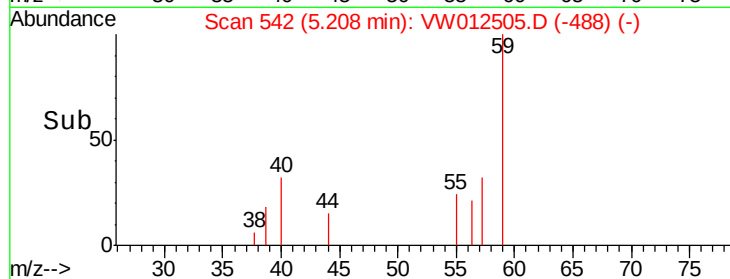
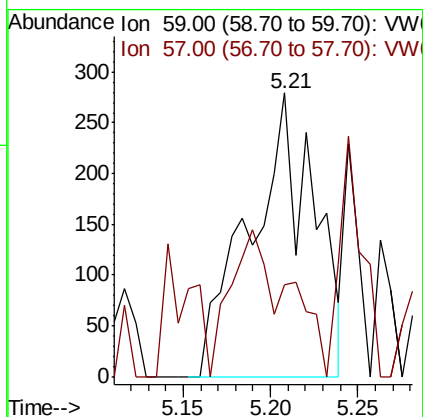
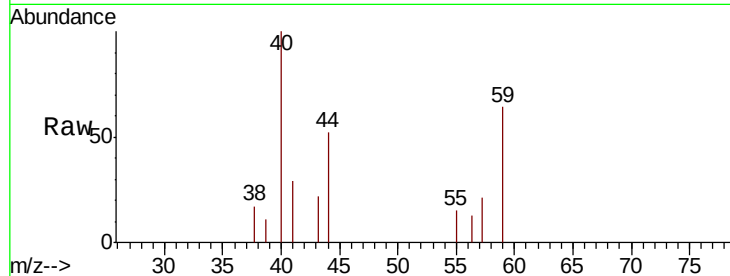




#11
Tert butyl alcohol
Concen: 4.453 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

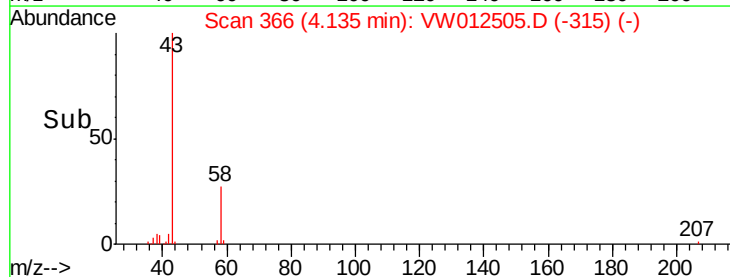
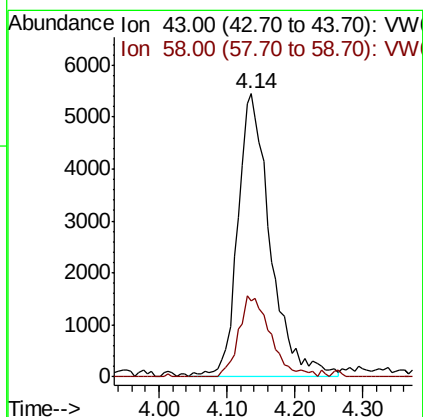
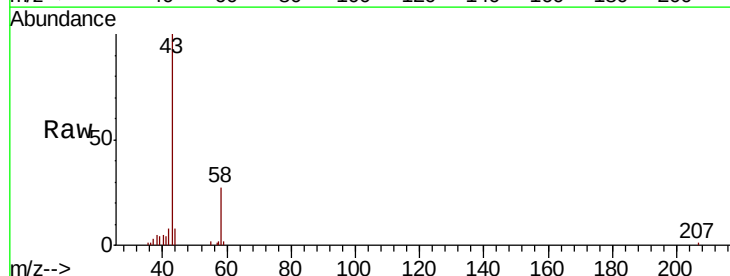
Instrument :
MSVOA_W
ClientSampled :
T9-12-13-T4-(0)

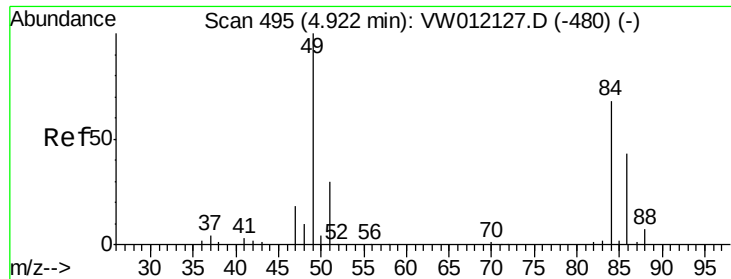
Tgt Ion: 59 Resp: 711
Ion Ratio Lower Upper
59 100
57 30.7 9.0 13.4#



#16
Acetone
Concen: 26.676 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Tgt Ion: 43 Resp: 18093
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6

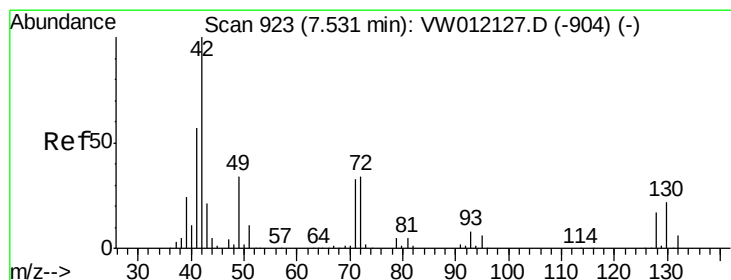
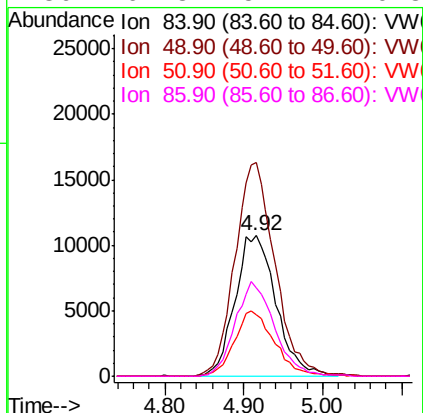
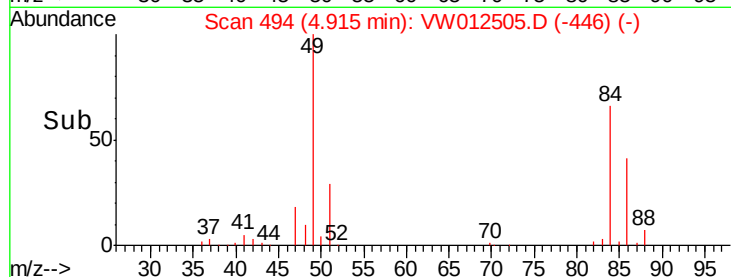
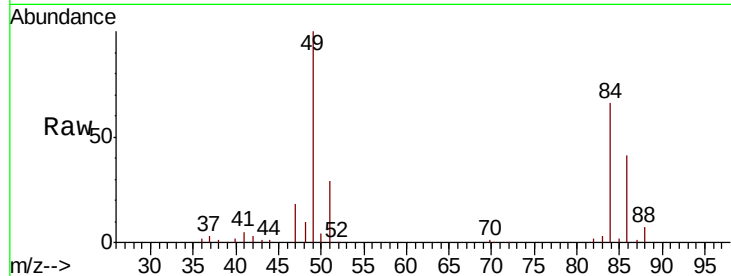




#20
Methylene Chloride
Concen: 15.126 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

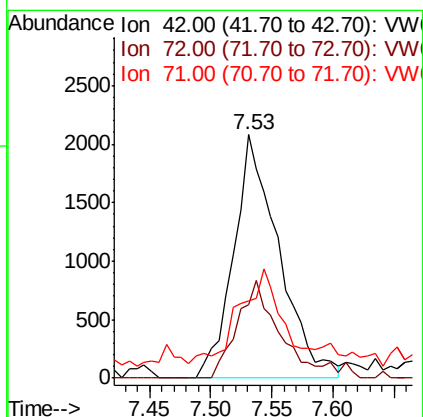
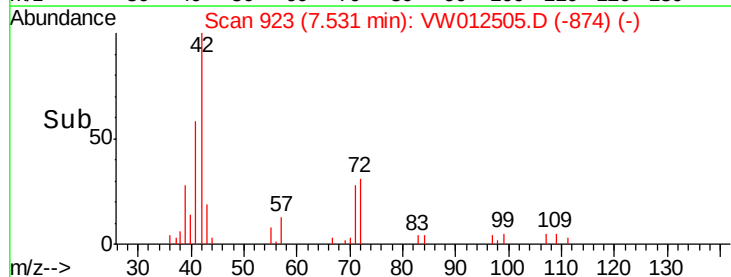
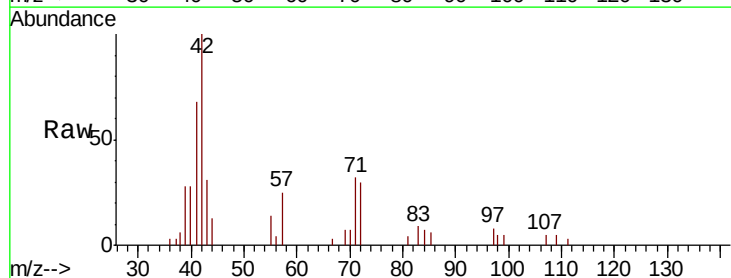
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T4-(0)

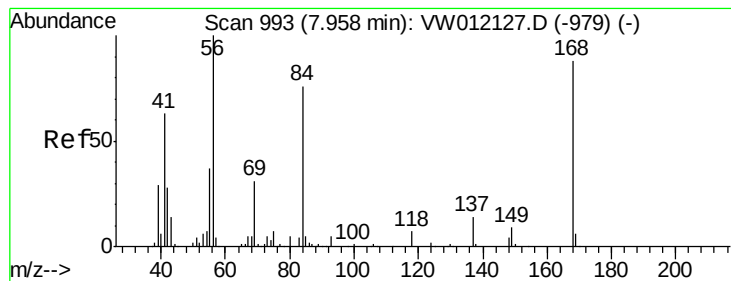
Tgt Ion: 84 Resp: 38783
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.8
51 43.5 35.6 53.4
86 62.8 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.645 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Tgt Ion: 42 Resp: 5333
Ion Ratio Lower Upper
42 100
72 36.7 27.3 40.9
71 36.1 25.5 38.3





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012505.D

Acq: 02 Sep 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T4-(0)

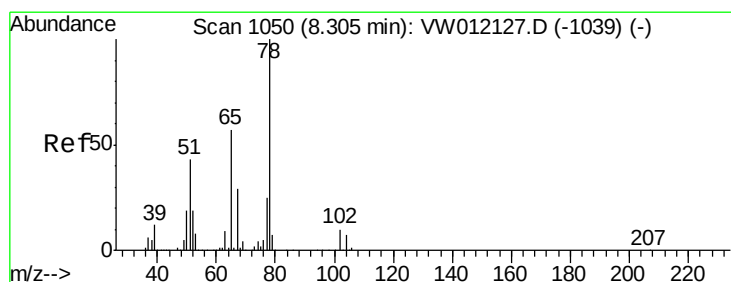
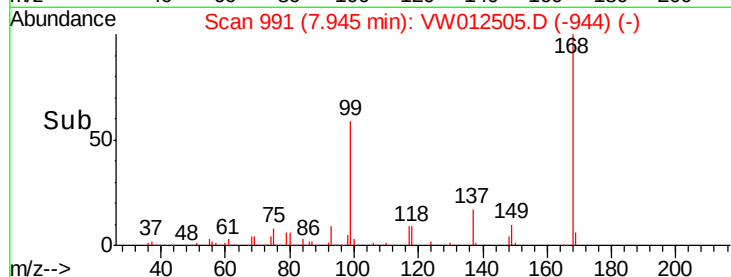
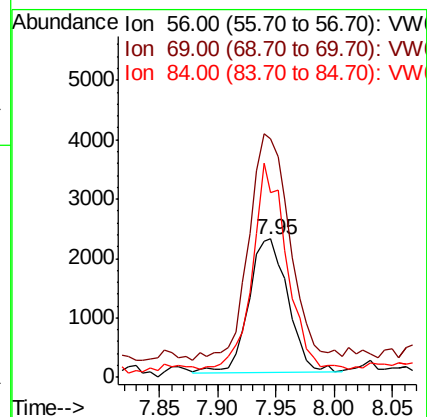
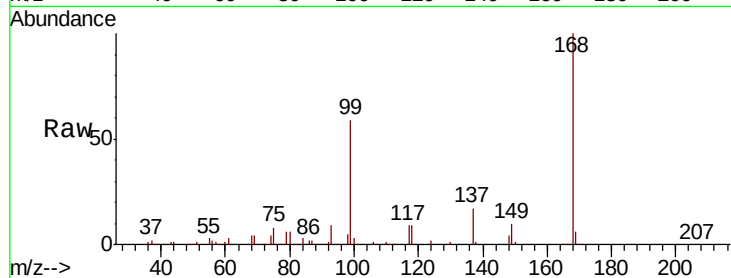
Tgt Ion: 56 Resp: 5250

Ion Ratio Lower Upper

56 100

69 167.1 24.9 37.3#

84 130.8 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 50.101 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012505.D

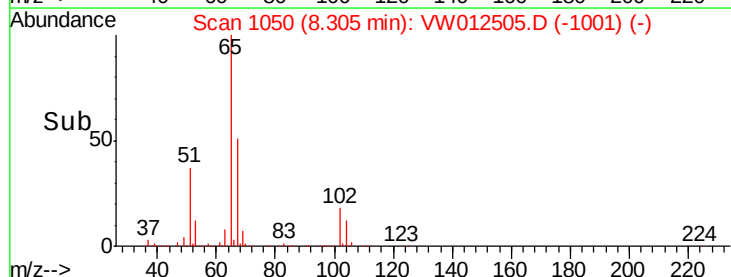
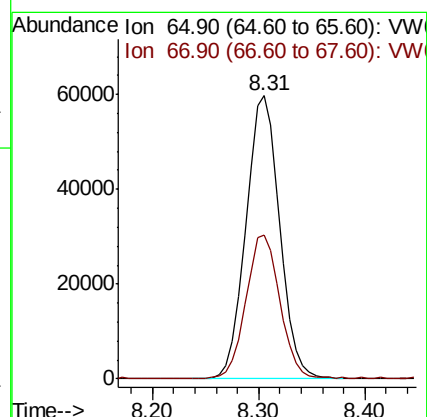
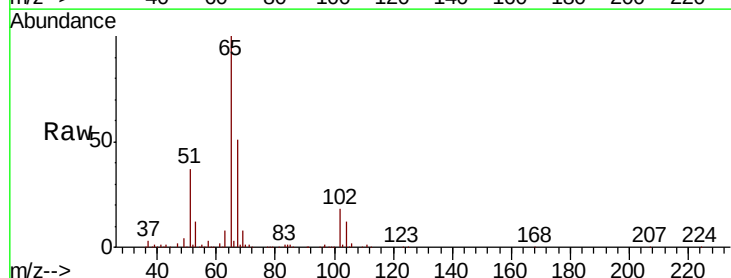
Acq: 02 Sep 2019 17:54

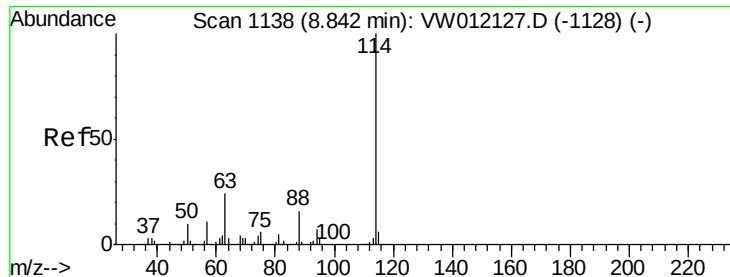
Tgt Ion: 65 Resp: 132935

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6

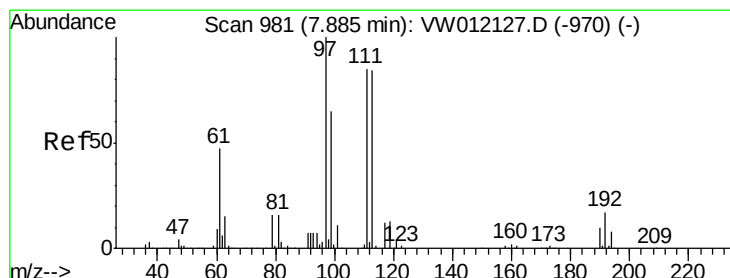
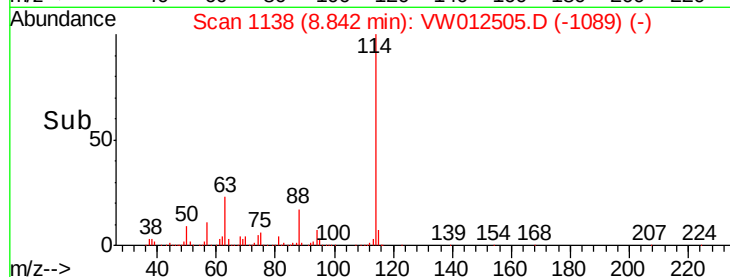
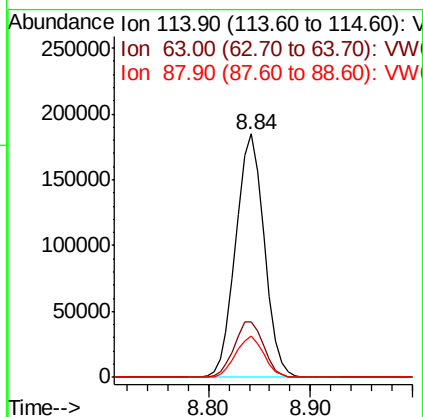
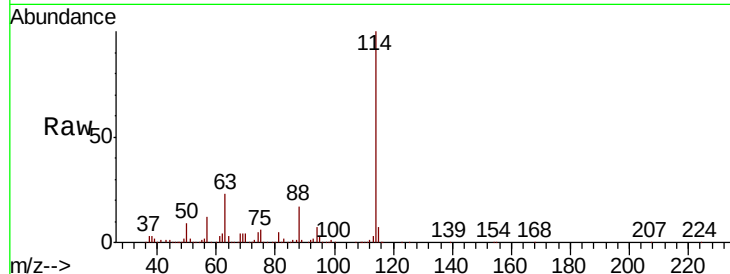




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012505.D
 Acq: 02 Sep 2019 17:54

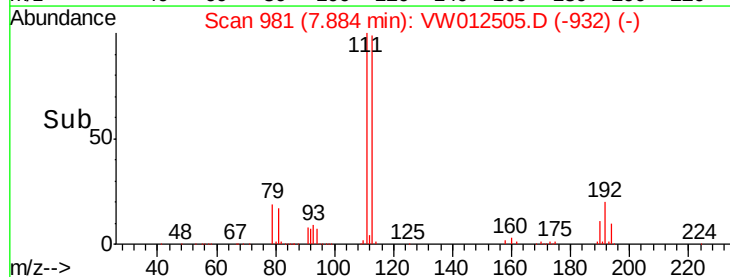
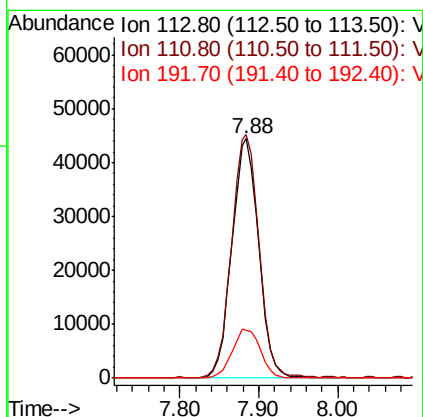
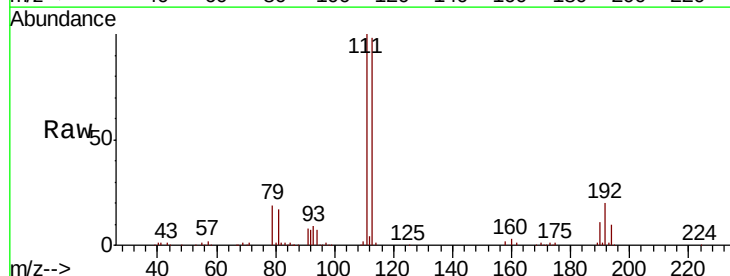
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T4-(0)

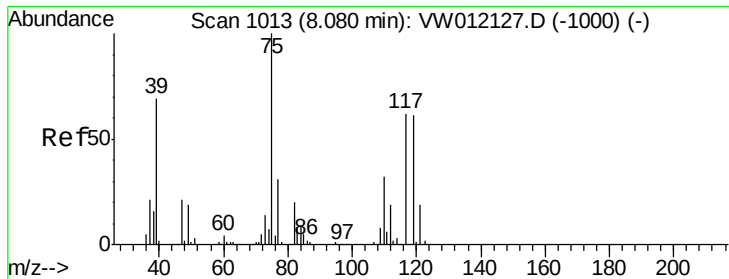
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	48.6
88	16.9	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 49.260 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012505.D
 Acq: 02 Sep 2019 17:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	21.5	16.2	24.2

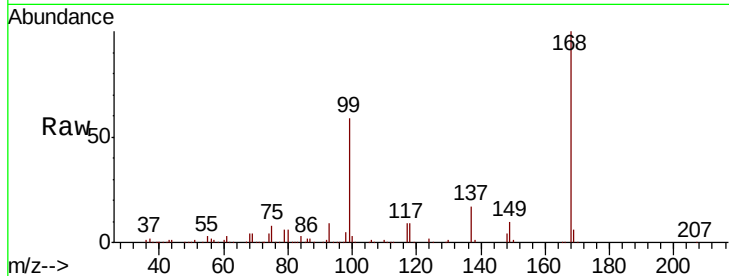




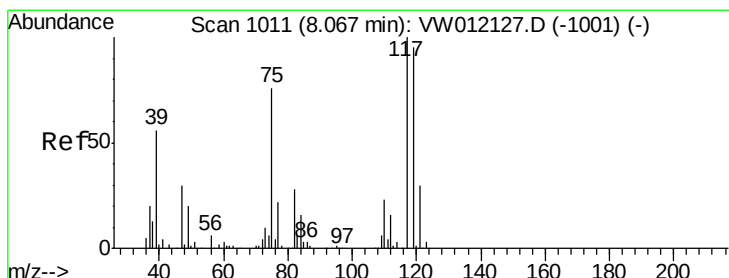
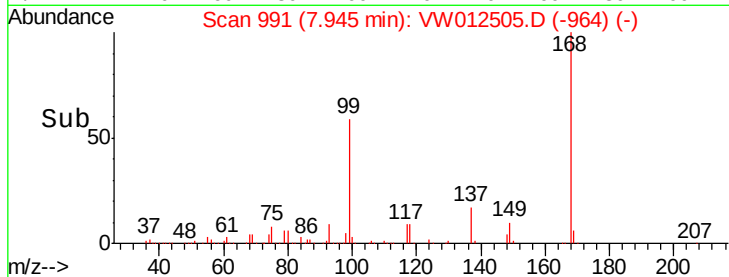
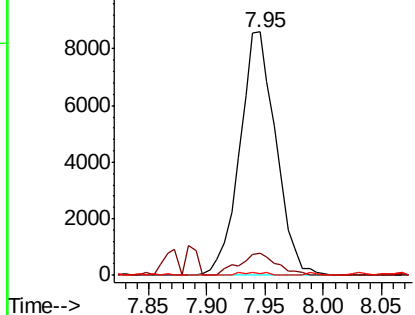
#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012505.D
 Acq: 02 Sep 2019 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T4-(0)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.6	46.8#
77	0.8	24.6	36.8#

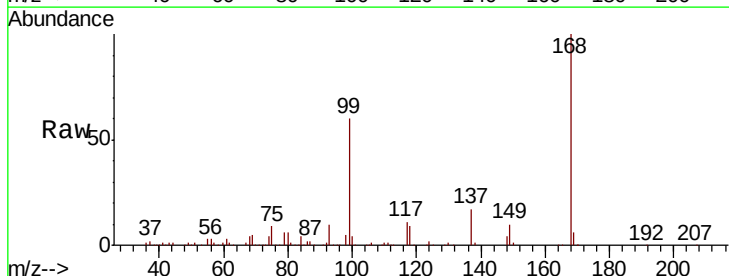


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

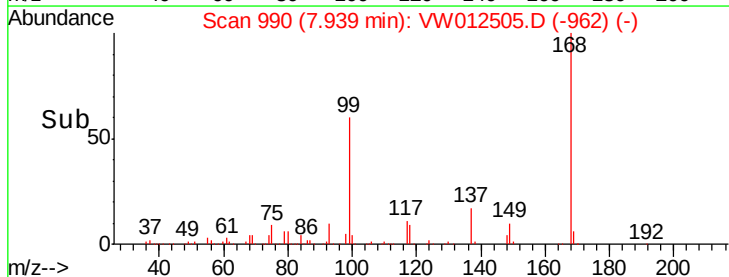
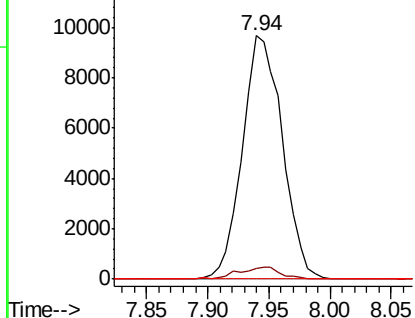


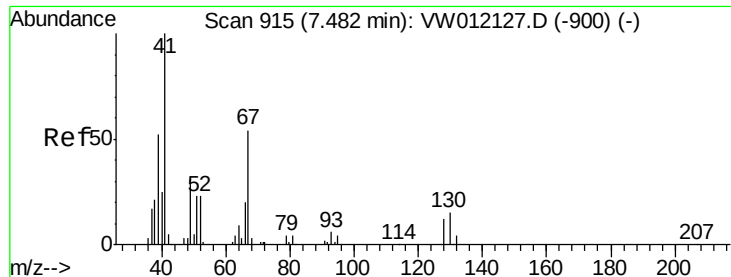
#38
 Carbon Tetrachloride
 Concen: 6.881 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012505.D
 Acq: 02 Sep 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	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: 2.890 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012505.D

Acq: 02 Sep 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T4-(0)

Tgt Ion: 41 Resp: 3435

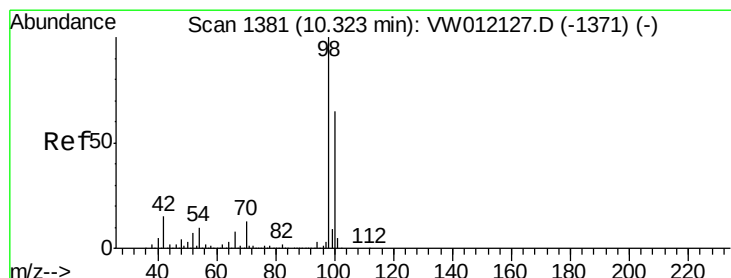
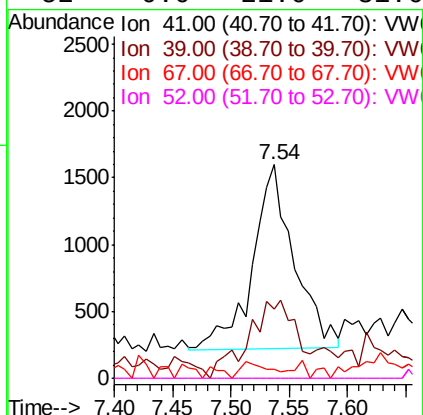
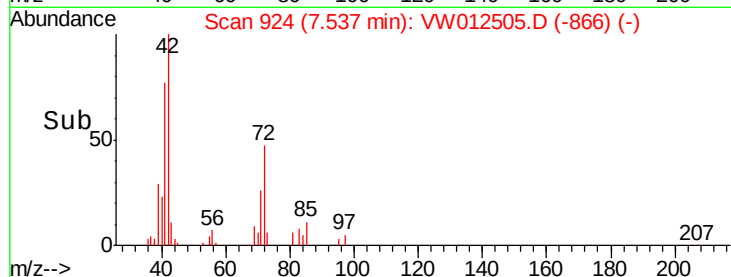
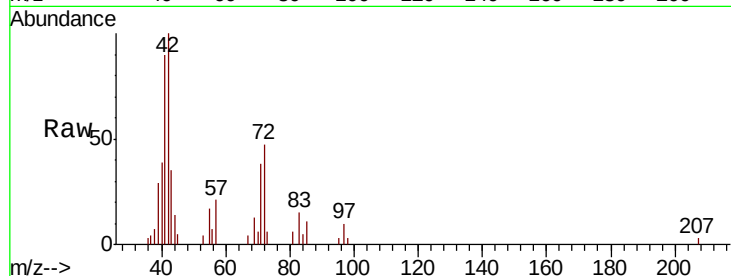
Ion Ratio Lower Upper

41 100

39 48.7 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#



#50

Toluene-d8

Concen: 49.943 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012505.D

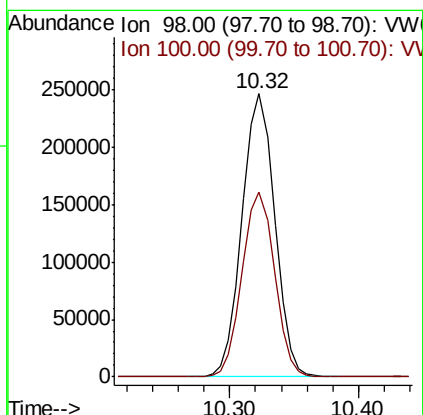
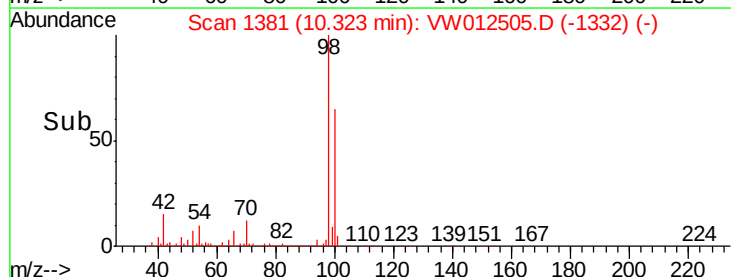
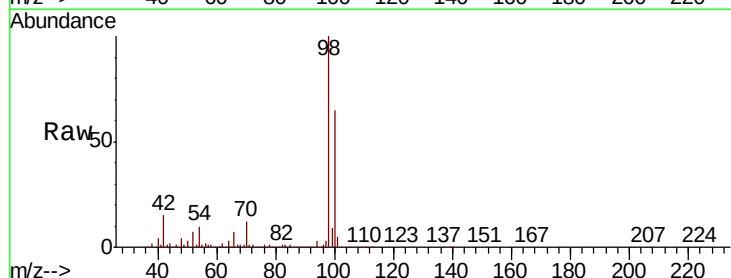
Acq: 02 Sep 2019 17:54

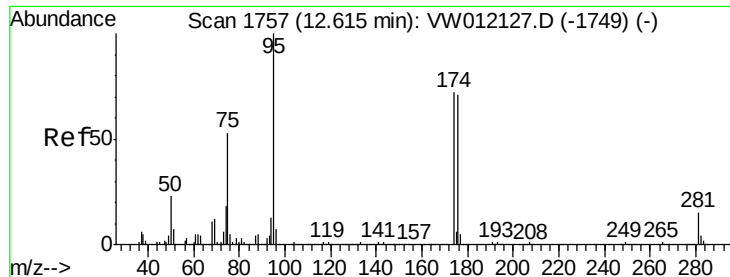
Tgt Ion: 98 Resp: 431731

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

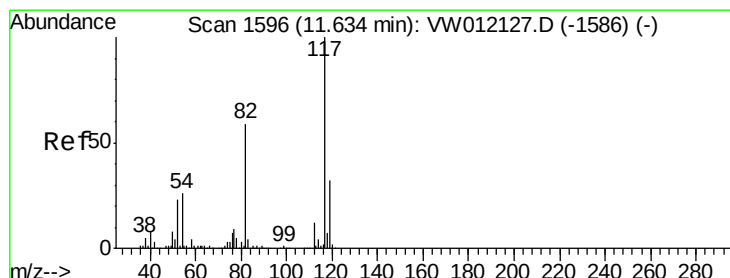
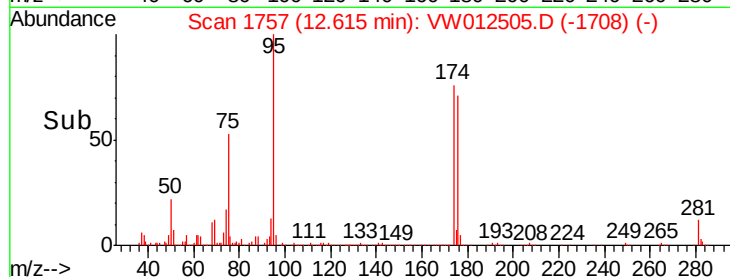
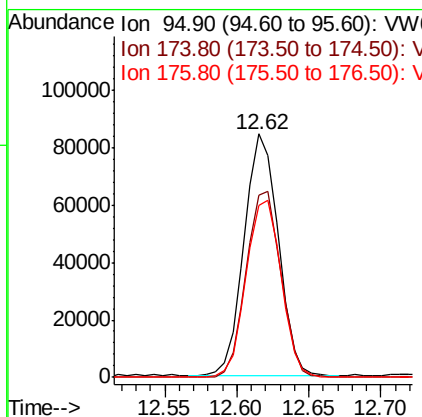
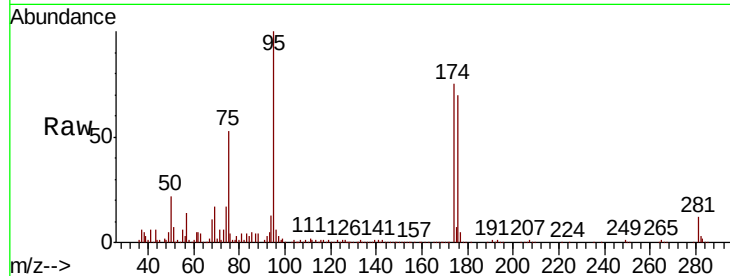




#62
4-Bromofluorobenzene
Concen: 45.198 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

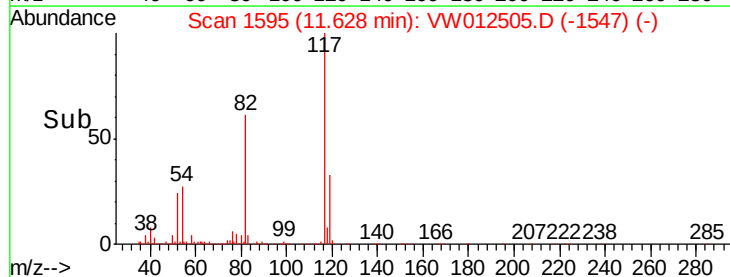
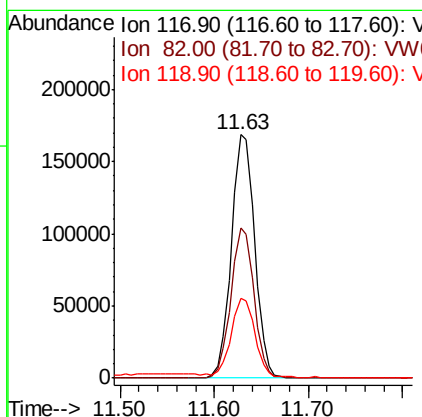
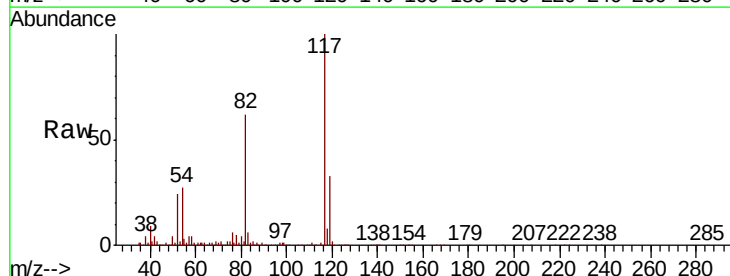
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T4-(0)

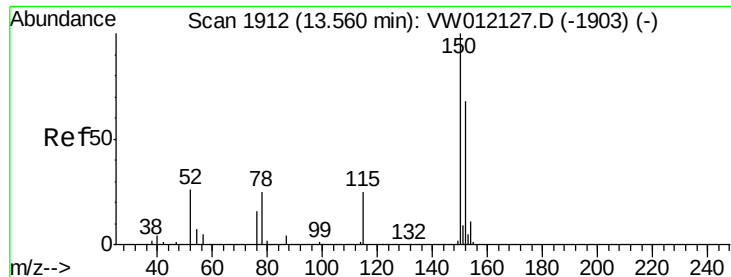
Tgt Ion: 95 Resp: 137726
Ion Ratio Lower Upper
95 100
174 78.5 0.0 150.8
176 75.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Tgt Ion: 117 Resp: 289549
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.5 25.4 38.2



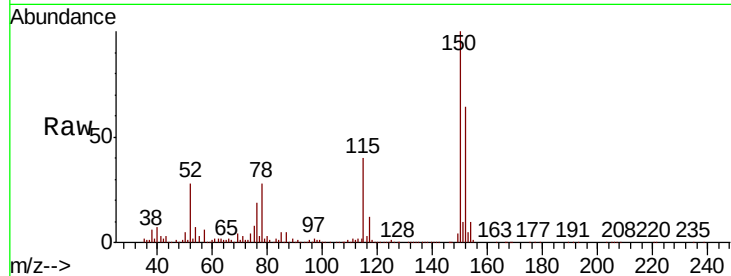


#72

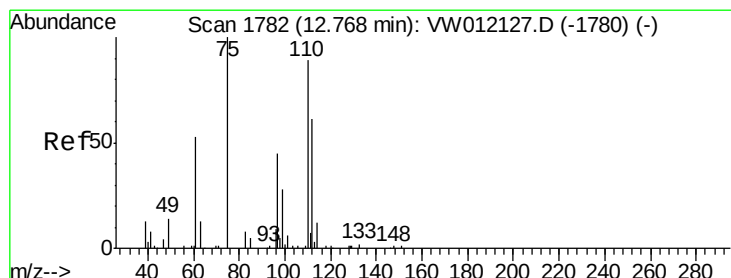
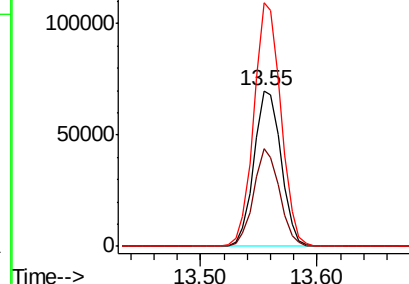
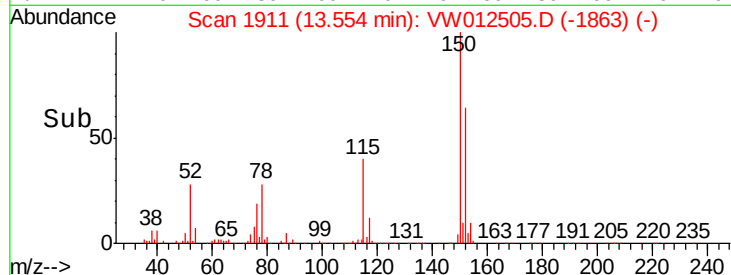
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T4-(0)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	155.4	0.0	345.8



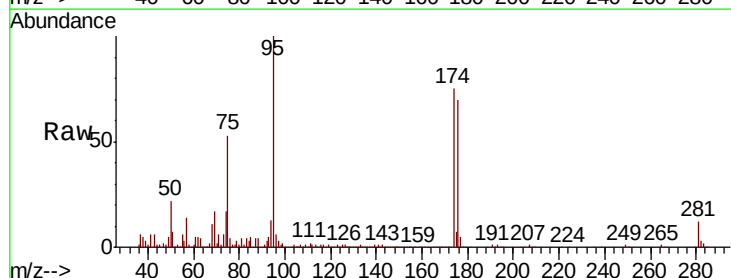
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



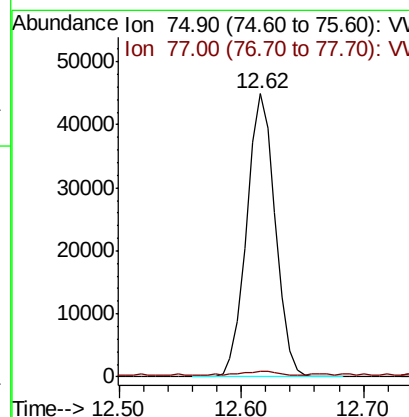
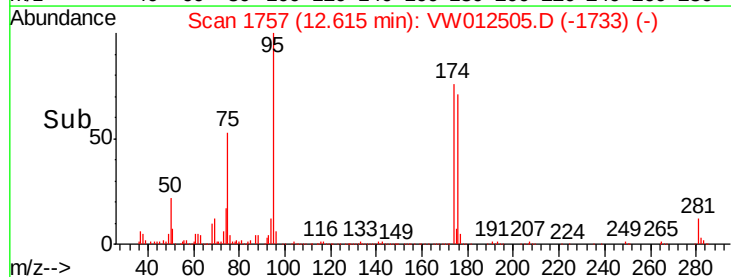
#76

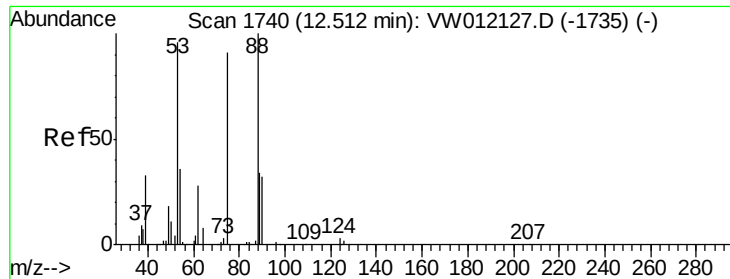
1,2,3-Trichloropropane
Concen: 65.525 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#



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

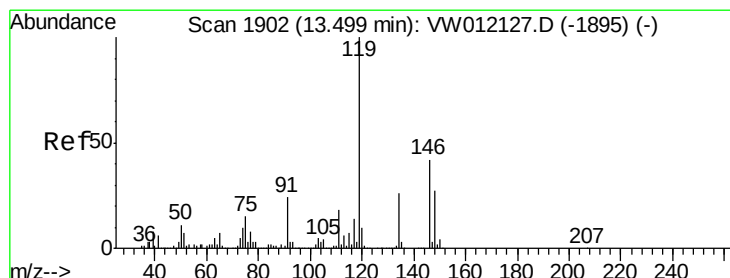
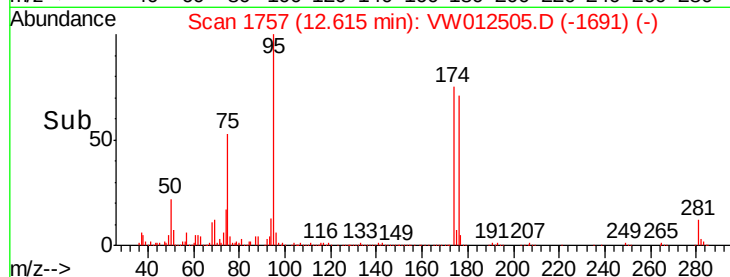
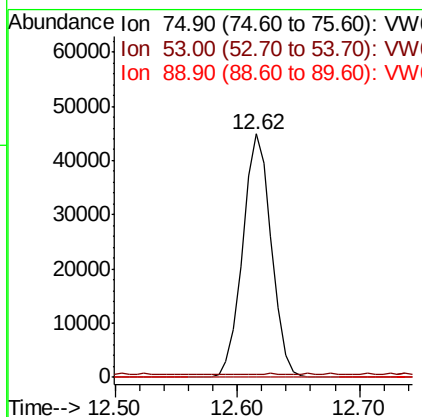
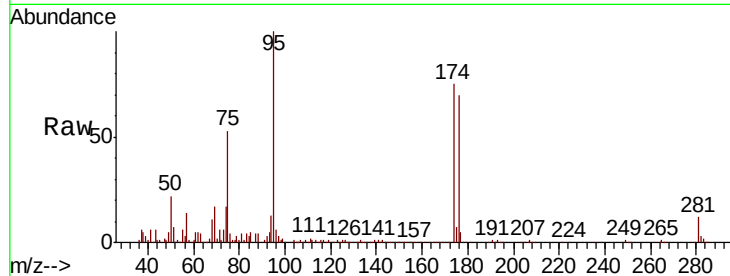




#81
trans-1,4-Dichloro-2-butene
Concen: 143.666 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

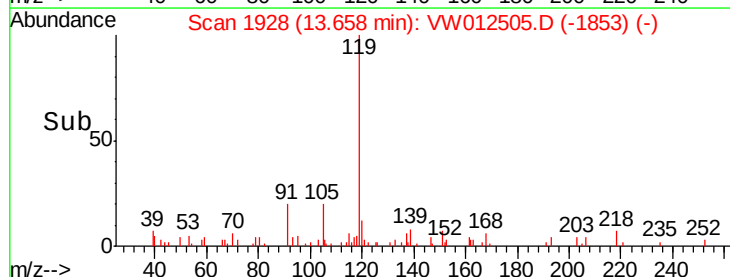
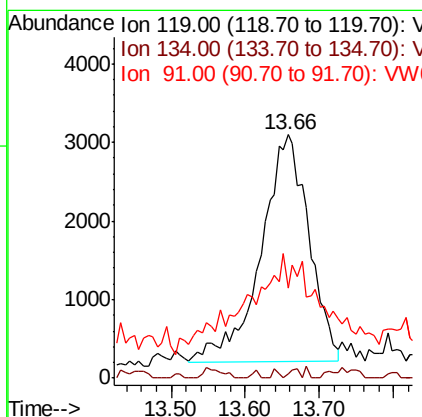
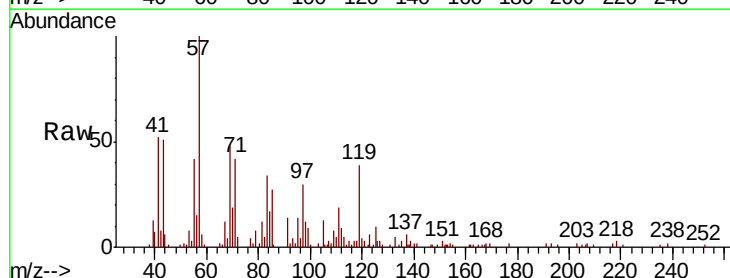
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T4-(0)

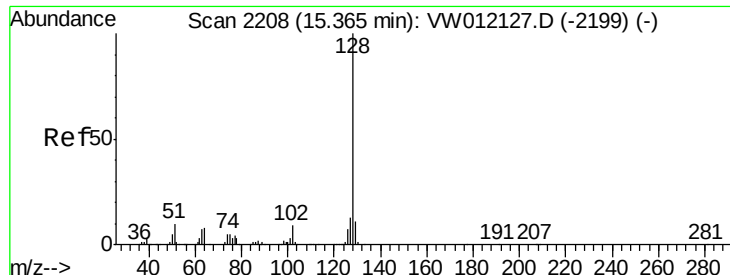
Tgt Ion: 75 Resp: 72867
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#86
p-Isopropyltoluene
Concen: 1.673 ug/l
RT: 13.66 min Scan# 1928
Delta R.T. 0.16 min
Lab File: VW012505.D
Acq: 02 Sep 2019 17:54

Tgt Ion: 119 Resp: 12964
Ion Ratio Lower Upper
119 100
134 0.8 12.8 38.3#
91 40.8 12.3 36.9#





#95

Naphthalene

Concen: 4.483 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012505.D

Acq: 02 Sep 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T4-(0)

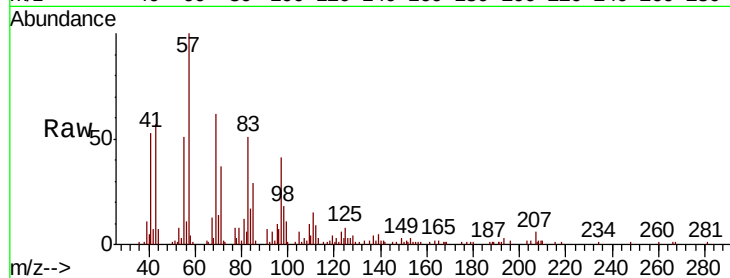
Tgt Ion:128 Resp: 764

Ion Ratio Lower Upper

128 100

127 11.9 10.7 16.1

129 21.9 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

