

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012500.D
 Acq On : 02 Sep 2019 15:45
 Operator : SY/VA
 Sample : K4528-18RE
 Misc : 4.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S4-(1.9)

Quant Time: Sep 03 07:39:55 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	201058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	324446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69117	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	127508	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
35) Dibromofluoromethane	7.88	113	98497	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.32	98	378179	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.62	95	117890	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	

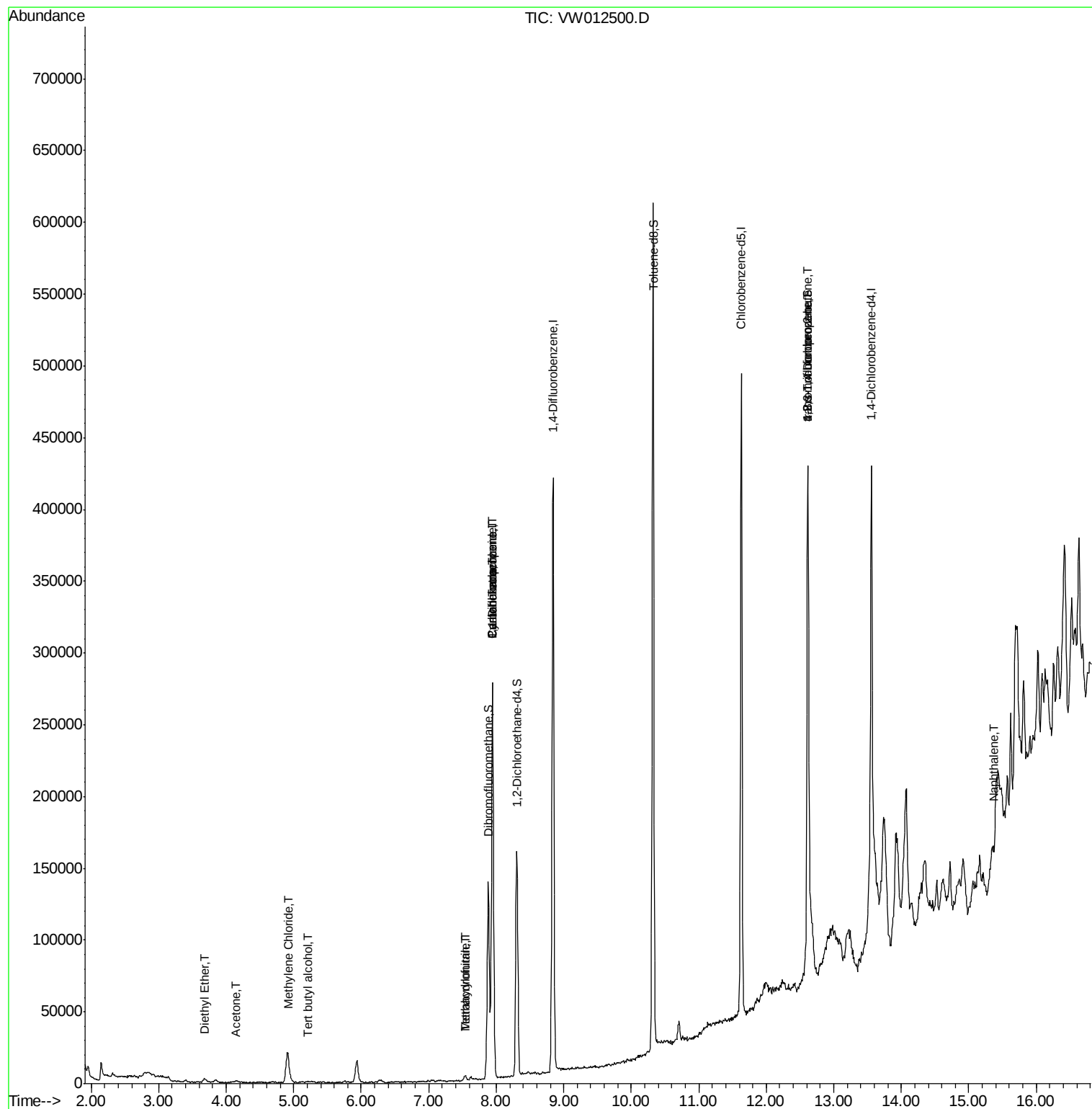
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1323	1.182	ug/l	68
11) Tert butyl alcohol	5.21	59	658	4.575	ug/l #	71
16) Acetone	4.15	43	2526	4.134	ug/l	99
20) Methylene Chloride	4.92	84	15450	6.689	ug/l	97
29) Tetrahydrofuran	7.54	42	3087	6.198	ug/l #	88
31) Cyclohexane	7.94	56	5078	1.180	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	16146	4.816	ug/l #	54
38) Carbon Tetrachloride	7.95	117	20326	7.004	ug/l #	17
41) Methacrylonitrile	7.54	41	1778	1.647	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	52340	77.754	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52340	170.478	ug/l #	7
95) Naphthalene	15.36	128	605	4.533	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: VW012500.D

Acq: 02 Sep 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

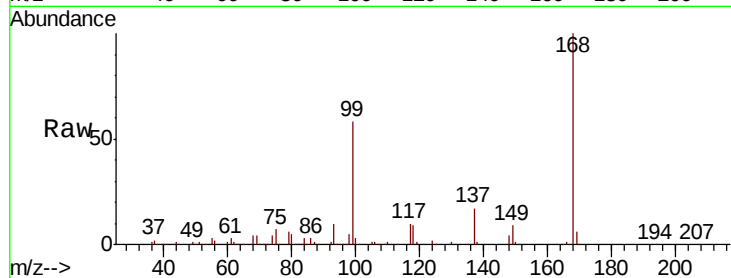
T9-12-13-S4-(1.9)

Tgt Ion:168 Resp: 201058

Ion Ratio Lower Upper

168 100

99 58.3 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

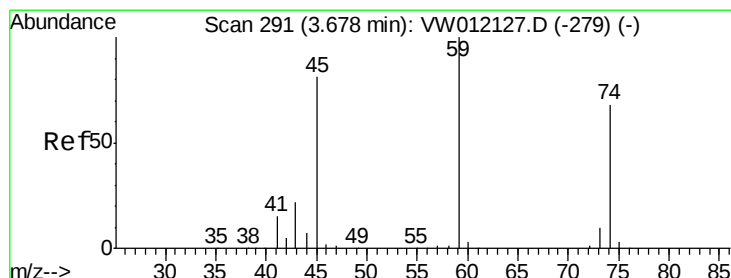
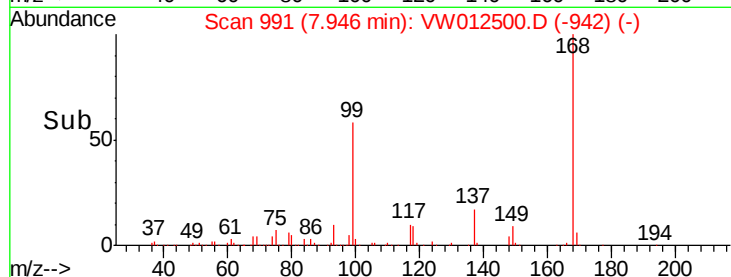
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.182 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012500.D

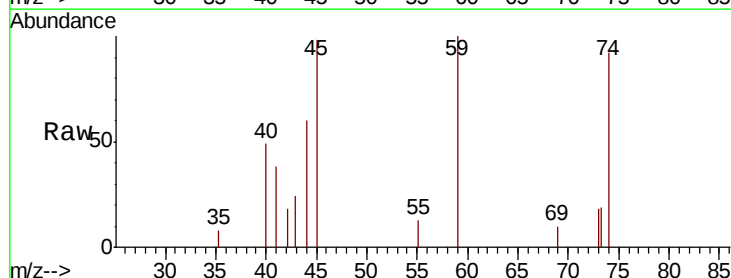
Acq: 02 Sep 2019 15:45

Tgt Ion: 74 Resp: 1323

Ion Ratio Lower Upper

74 100

45 153.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

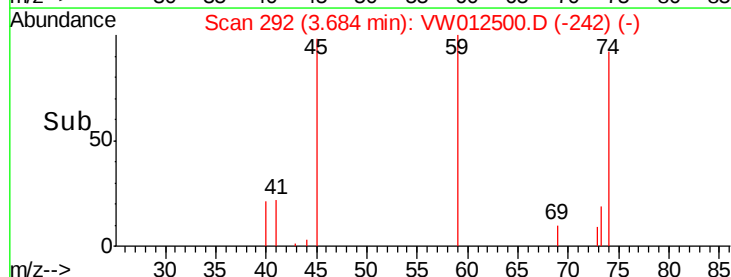
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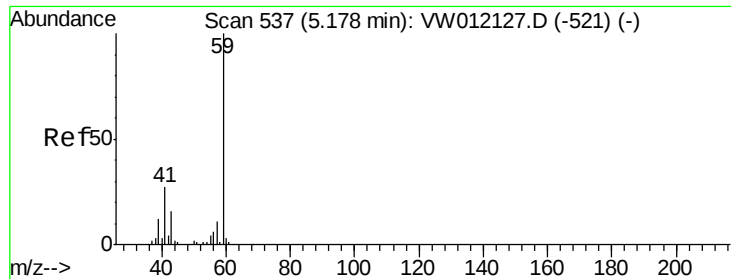
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200

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Time-->

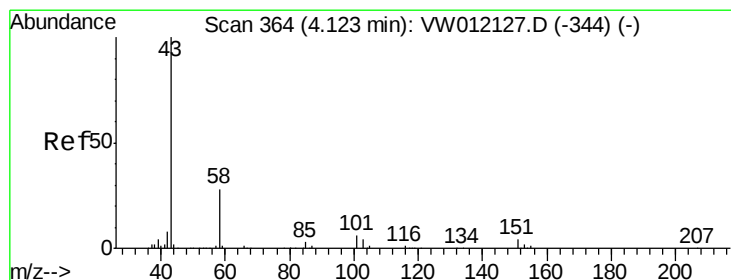
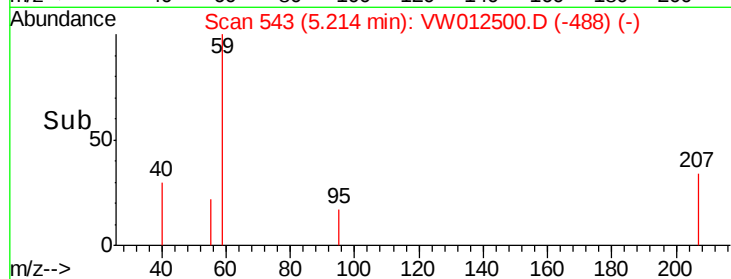
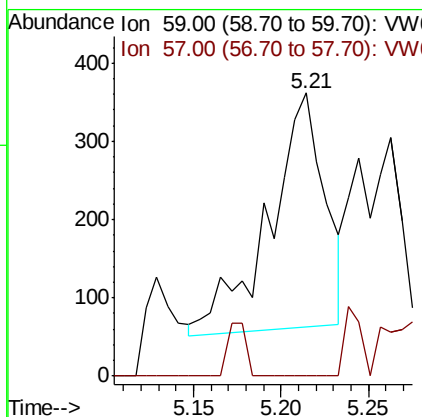
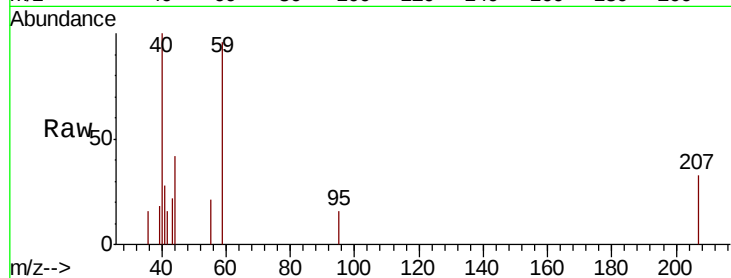




#11
Tert butyl alcohol
Concen: 4.575 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

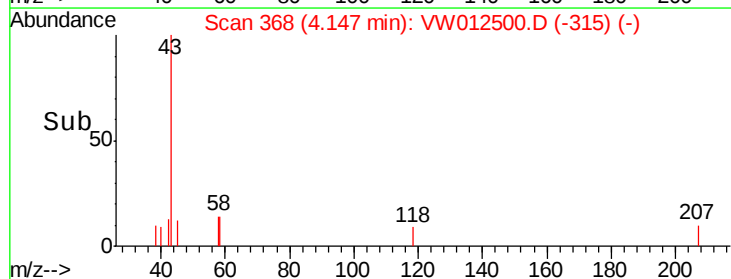
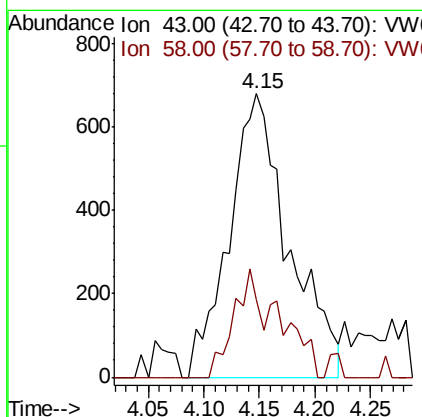
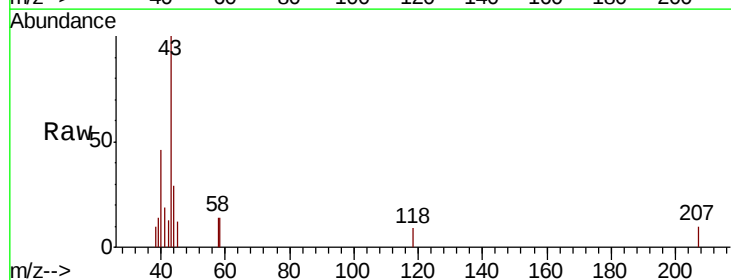
Instrument :
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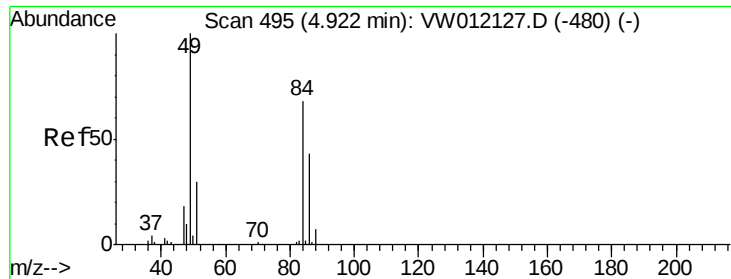
Tgt Ion: 59 Resp: 658
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 4.134 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

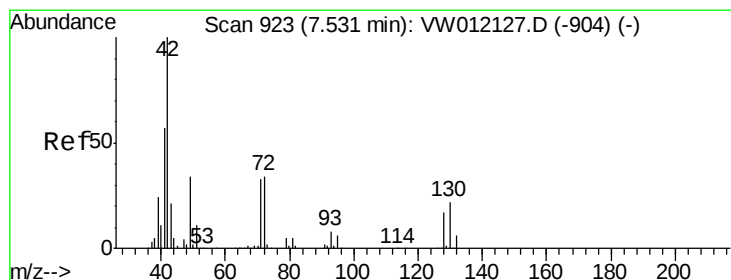
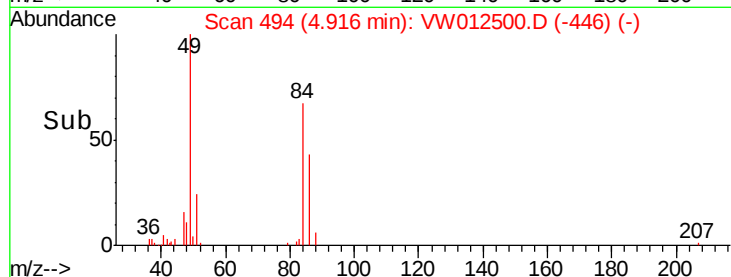
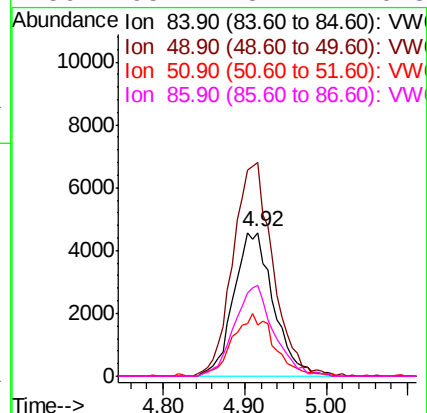
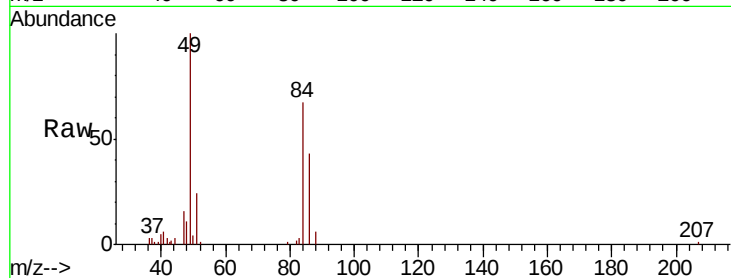




#20
Methylene Chloride
Concen: 6.689 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

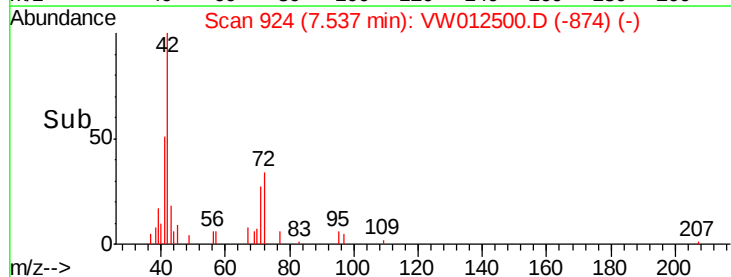
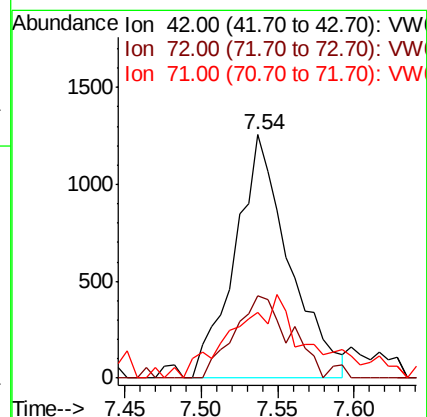
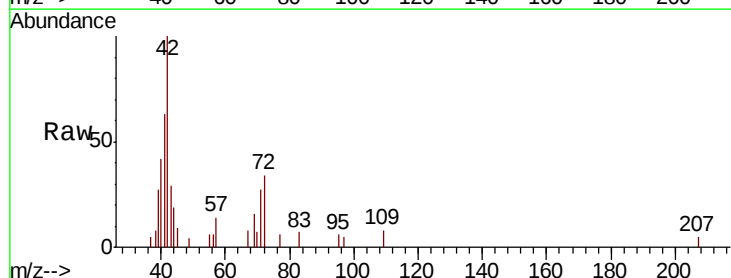
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(1.9)

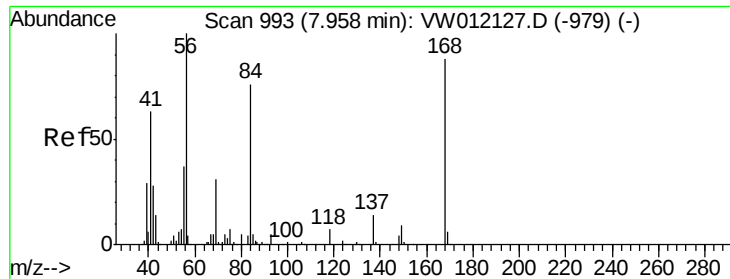
Tgt Ion:	84	Resp:	15450
Ion	Ratio	Lower	Upper
84	100		
49	148.7	117.8	176.8
51	35.8	35.6	53.4
86	63.2	51.2	76.8



#29
Tetrahydrofuran
Concen: 6.198 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion:	42	Resp:	3087
Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	45.9	25.5	38.3#

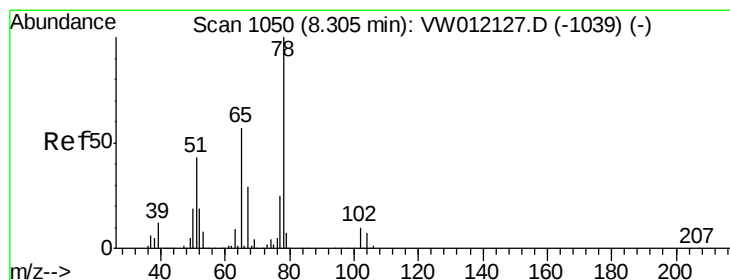
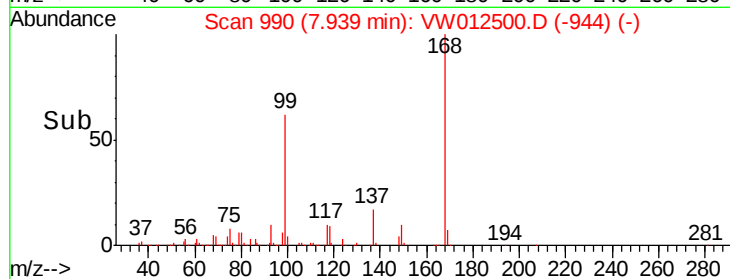
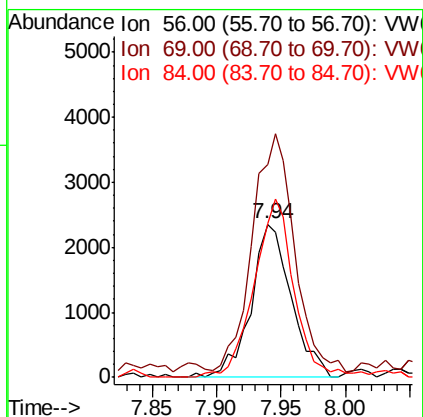
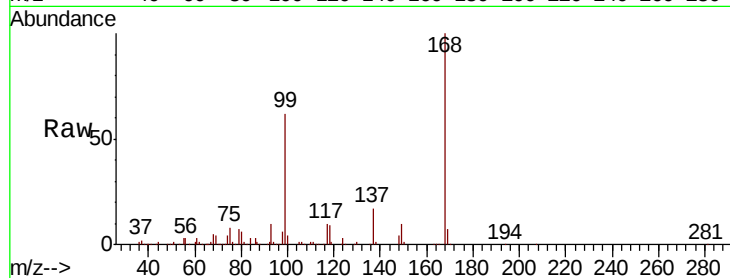




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

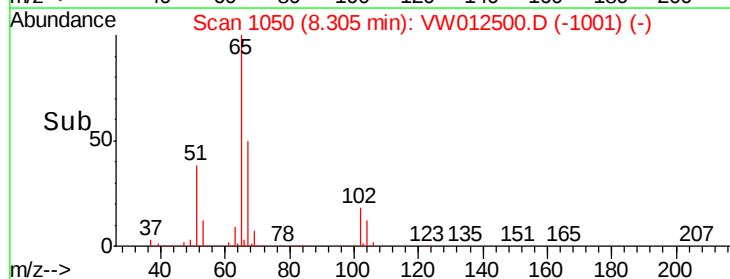
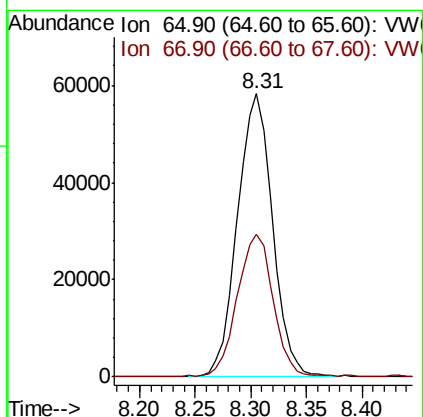
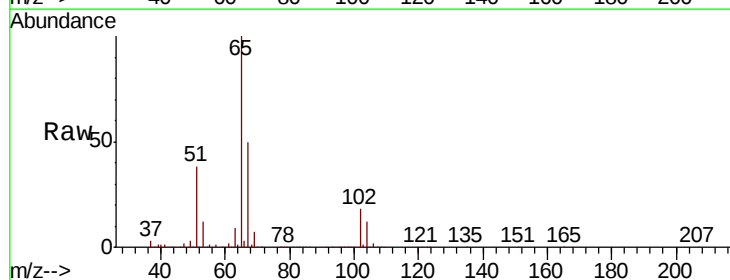
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(1.9)

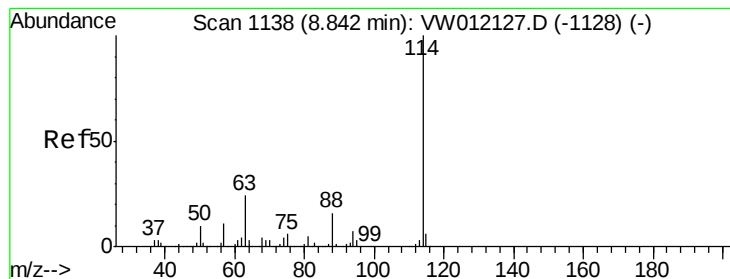
Tgt Ion: 56 Resp: 5078
Ion Ratio Lower Upper
56 100
69 130.1 24.9 37.3#
84 100.6 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 53.349 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion: 65 Resp: 127508
Ion Ratio Lower Upper
65 100
67 51.1 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: VW012500.D

Acq: 02 Sep 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(1.9)

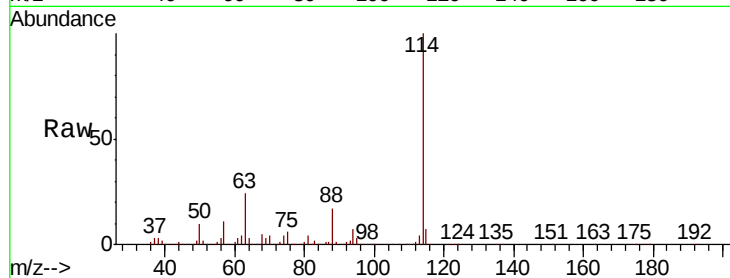
Tgt Ion:114 Resp: 324446

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

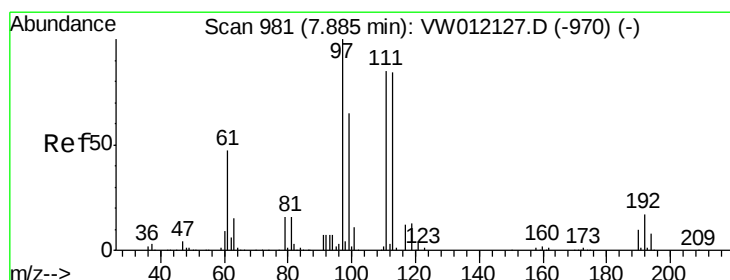
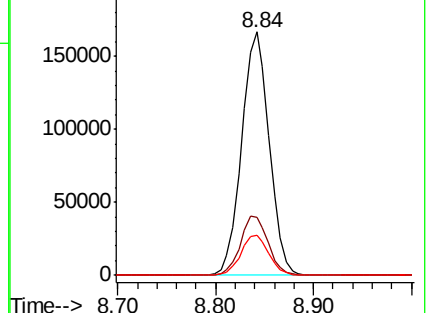
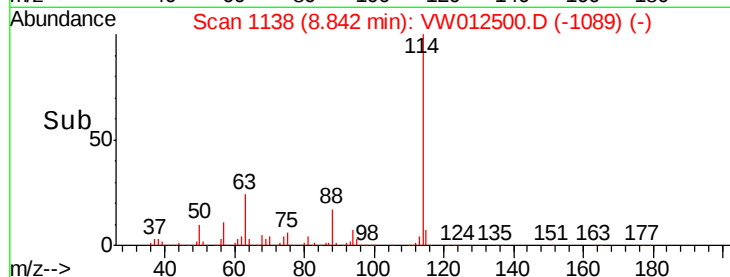
88 16.5 0.0 32.2



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: 50.860 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012500.D

Acq: 02 Sep 2019 15:45

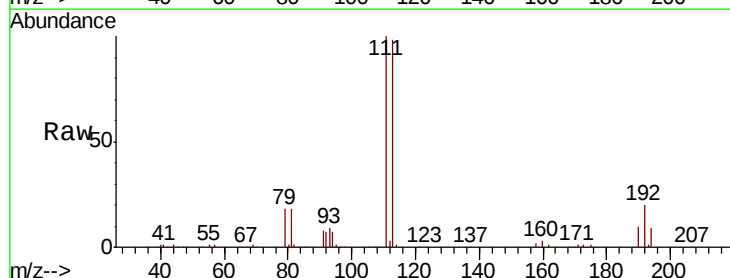
Tgt Ion:113 Resp: 98497

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

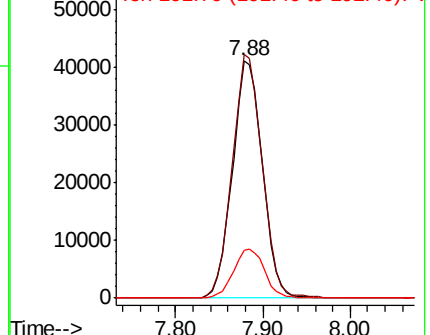
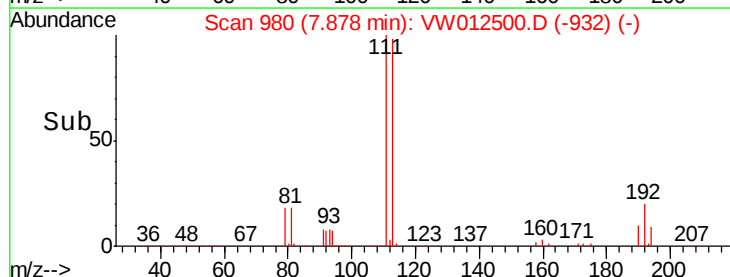
192 21.2 16.2 24.2

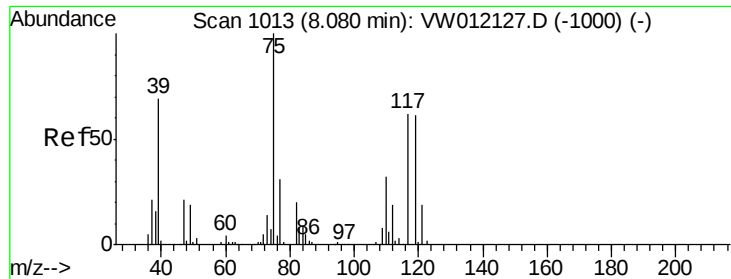


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

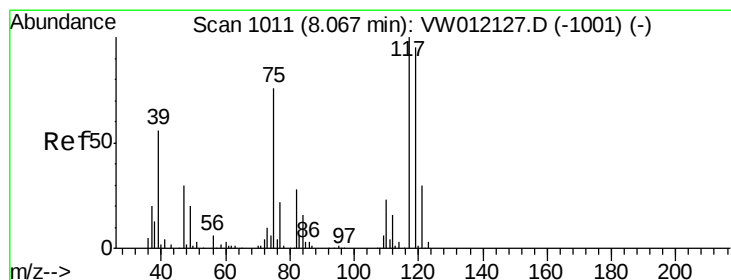
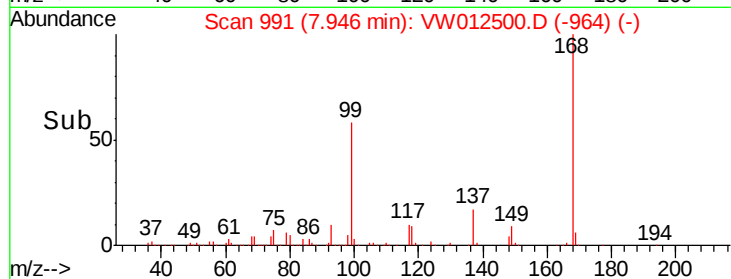
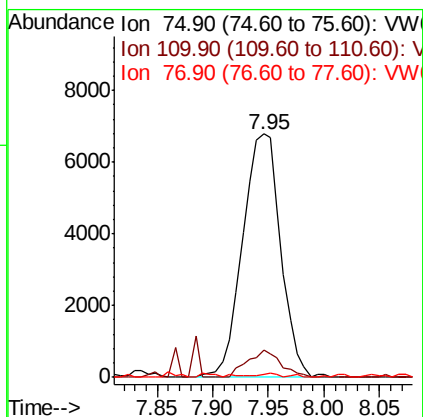
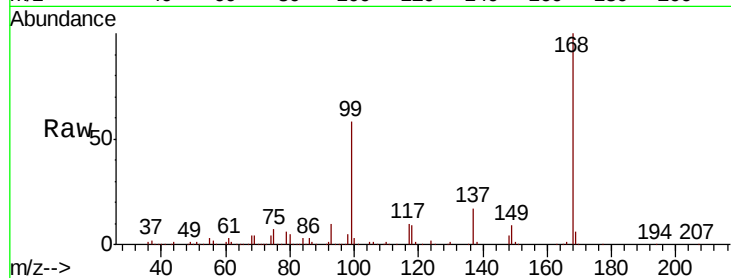




#36
 1,1-Dichloropropene
 Concen: 4.816 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012500.D
 Acq: 02 Sep 2019 15:45

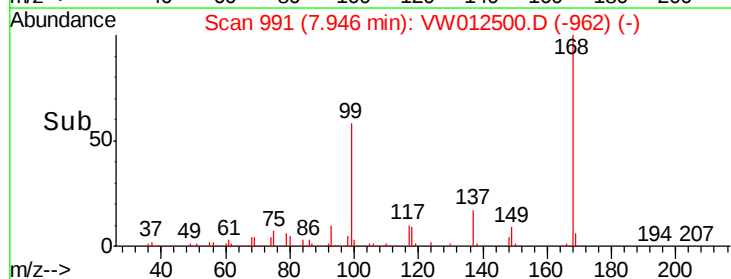
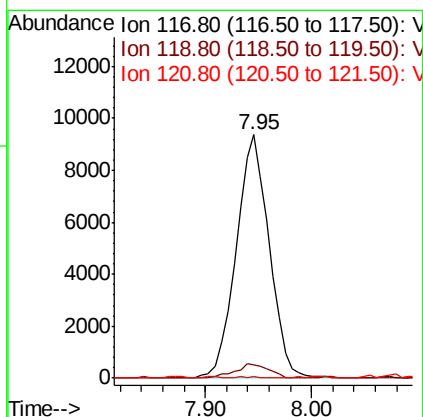
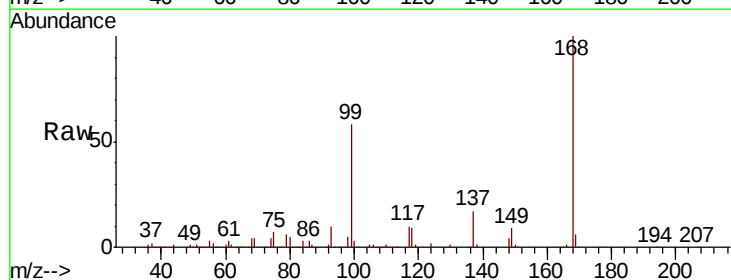
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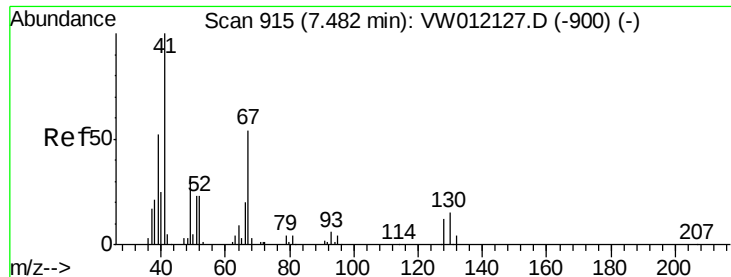
Tgt Ion: 75 Resp: 16146
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.6 46.8#
 77 1.3 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.004 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012500.D
 Acq: 02 Sep 2019 15:45

Tgt Ion: 117 Resp: 20326
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.7 23.8 35.8#

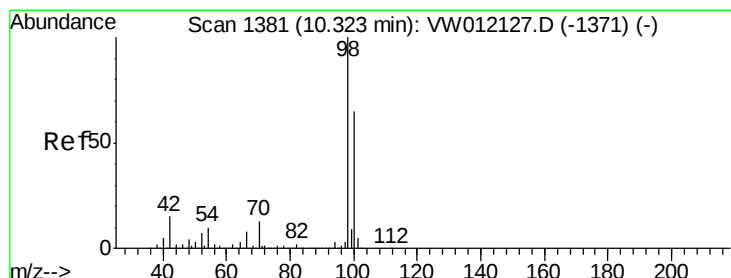
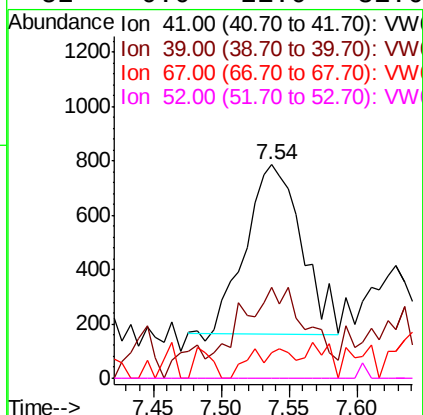
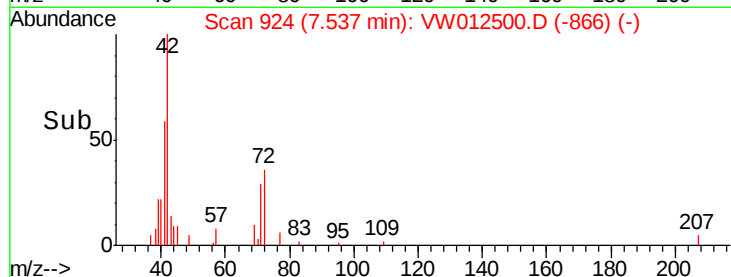
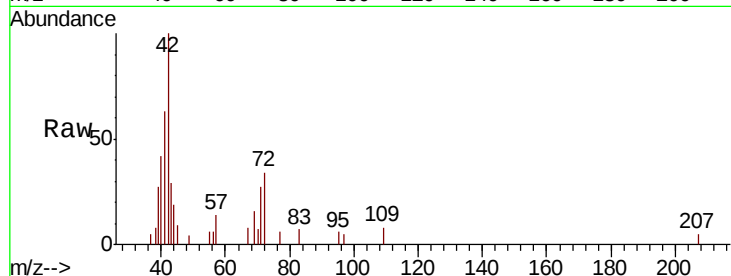




#41
Methacrylonitrile
Concen: 1.647 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

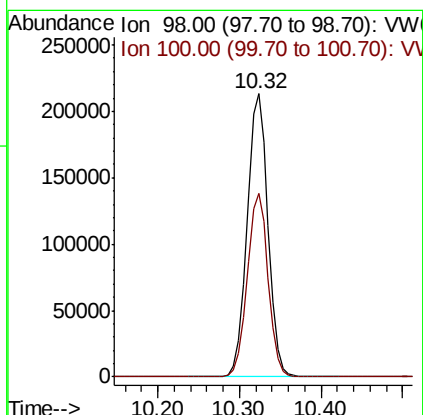
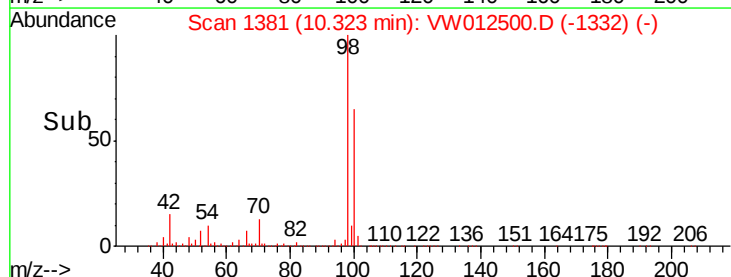
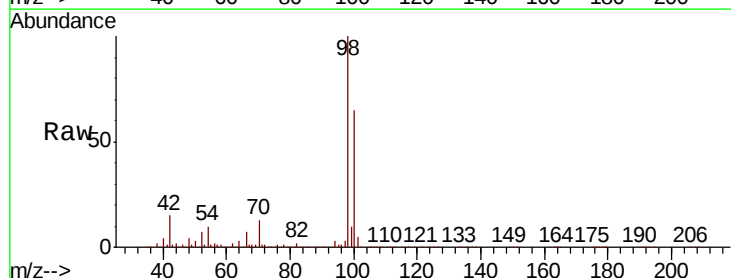
Instrument :
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T9-12-13-S4-(1.9)

Tgt Ion: 41 Resp: 1778
Ion Ratio Lower Upper
41 100
39 44.5 45.8 68.8#
67 4.4 46.2 69.4#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 48.161 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion: 98 Resp: 378179
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

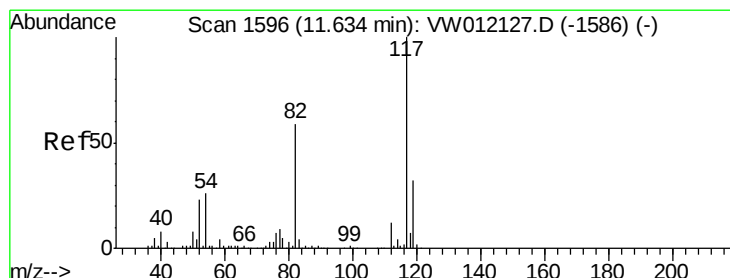
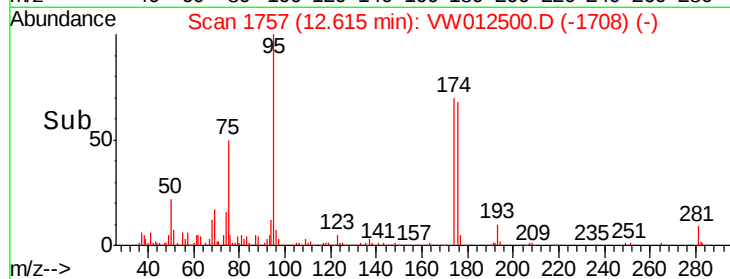
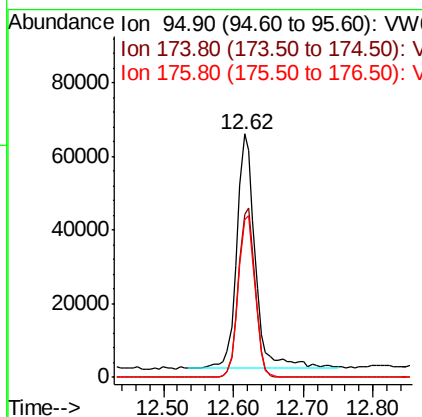
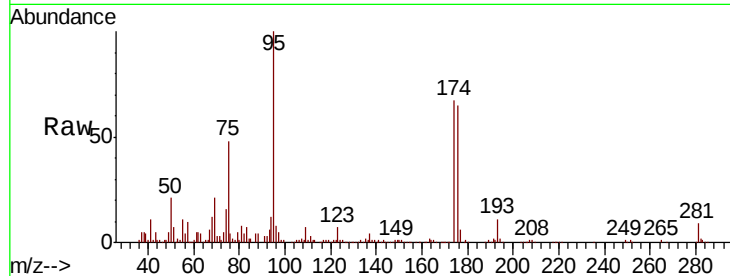




#62
4-Bromofluorobenzene
Concen: 42.591 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

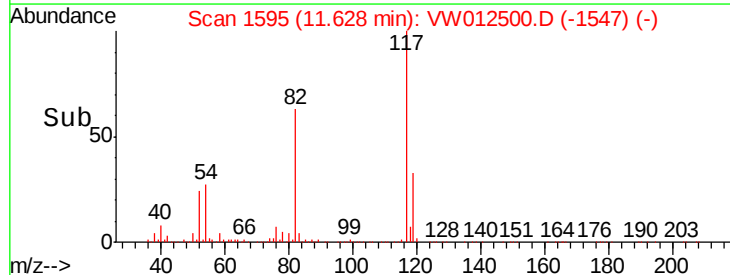
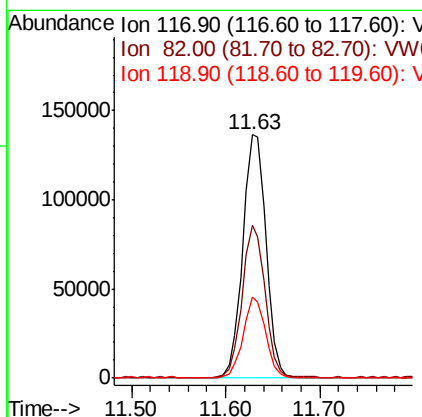
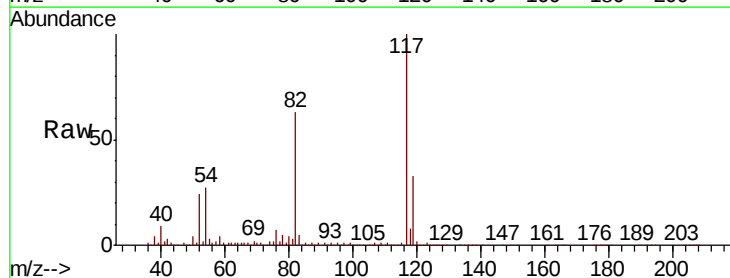
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(1.9)

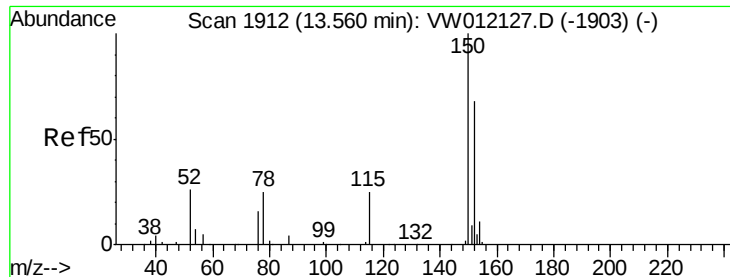
Tgt Ion: 95 Resp: 117890
Ion Ratio Lower Upper
95 100
174 64.5 0.0 150.8
176 61.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion: 117 Resp: 235813
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 33.2 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: VW012500.D

Acq: 02 Sep 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(1.9)

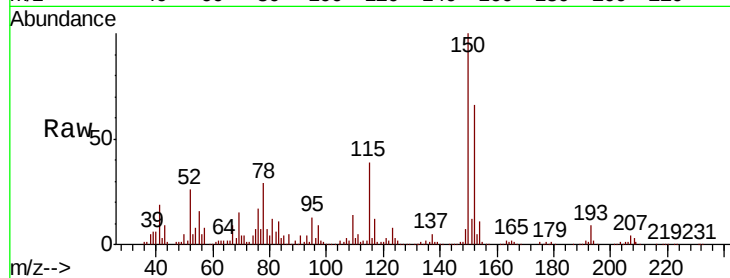
Tgt Ion:152 Resp: 69117

Ion Ratio Lower Upper

152 100

115 56.2 30.1 90.3

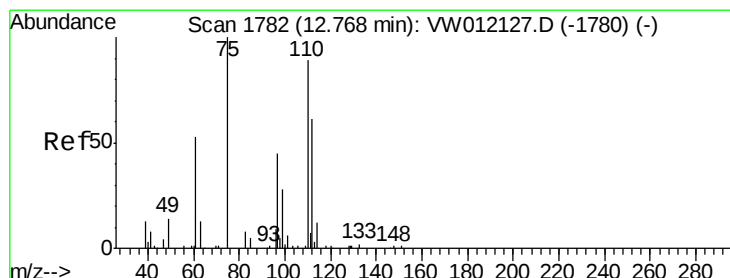
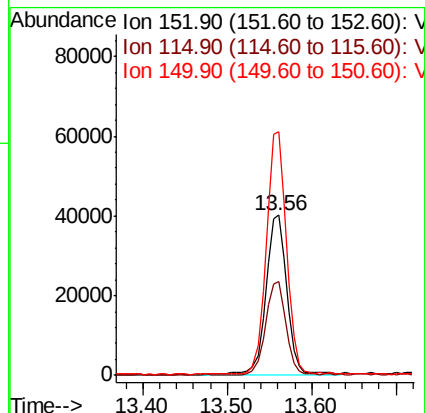
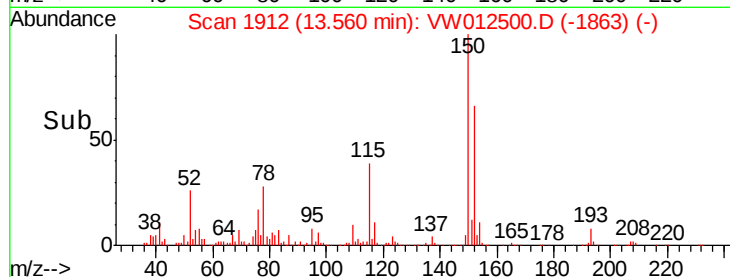
150 144.8 0.0 345.8



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: 77.754 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012500.D

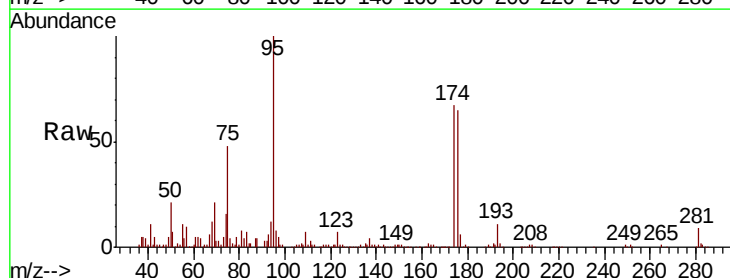
Acq: 02 Sep 2019 15:45

Tgt Ion: 75 Resp: 52340

Ion Ratio Lower Upper

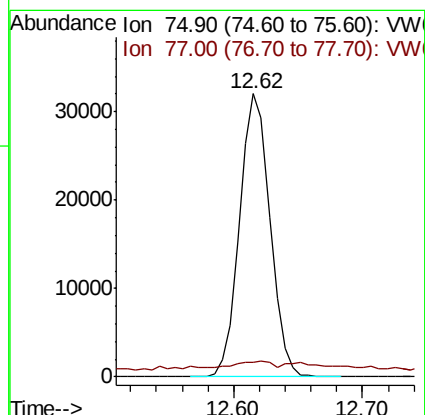
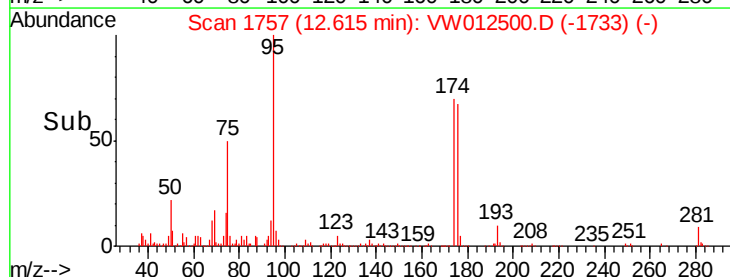
75 100

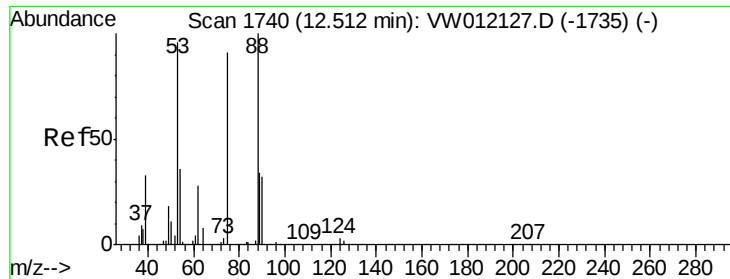
77 3.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

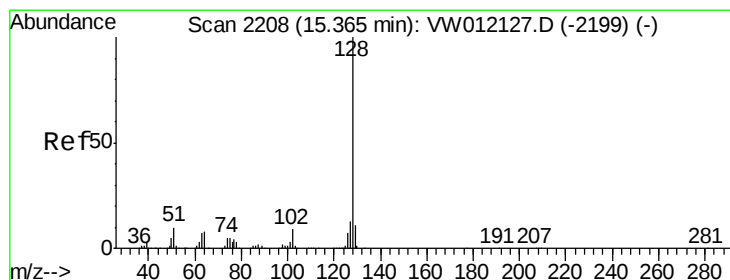
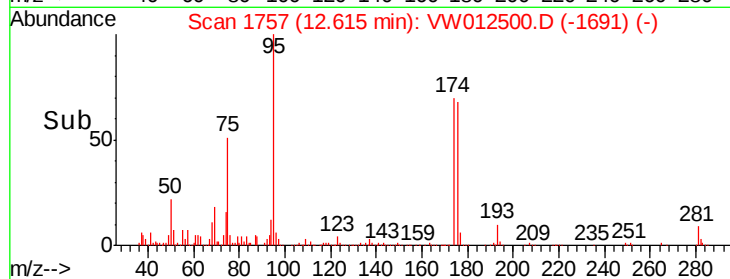
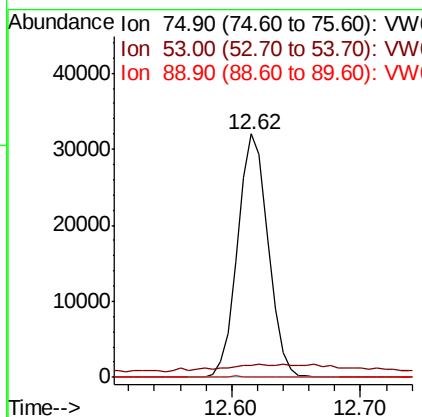
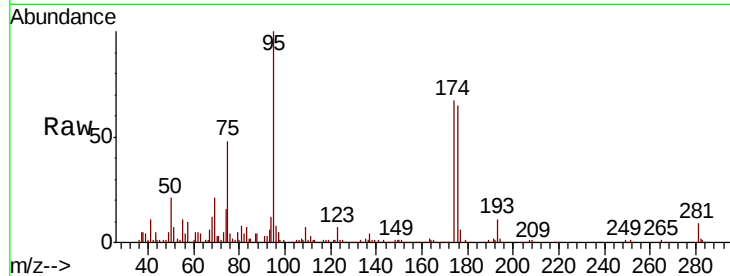




#81
trans-1,4-Dichloro-2-butene
Concen: 170.478 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(1.9)

Tgt Ion: 75 Resp: 52340
Ion Ratio Lower Upper
75 100
53 2.5 89.4 134.0#
89 0.3 34.5 51.7#



#95
Naphthalene
Concen: 4.533 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012500.D
Acq: 02 Sep 2019 15:45

Tgt Ion: 128 Resp: 605
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 16.0 8.7 13.1#

