

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012497.D
 Acq On : 02 Sep 2019 14:27
 Operator : SY/VA
 Sample : K4528-15RE
 Misc : 4.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S1-(1.9)

Quant Time: Sep 03 07:39:16 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	198809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	75328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129457	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	98804	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.32	98	389619	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	119280	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	

Target Compounds

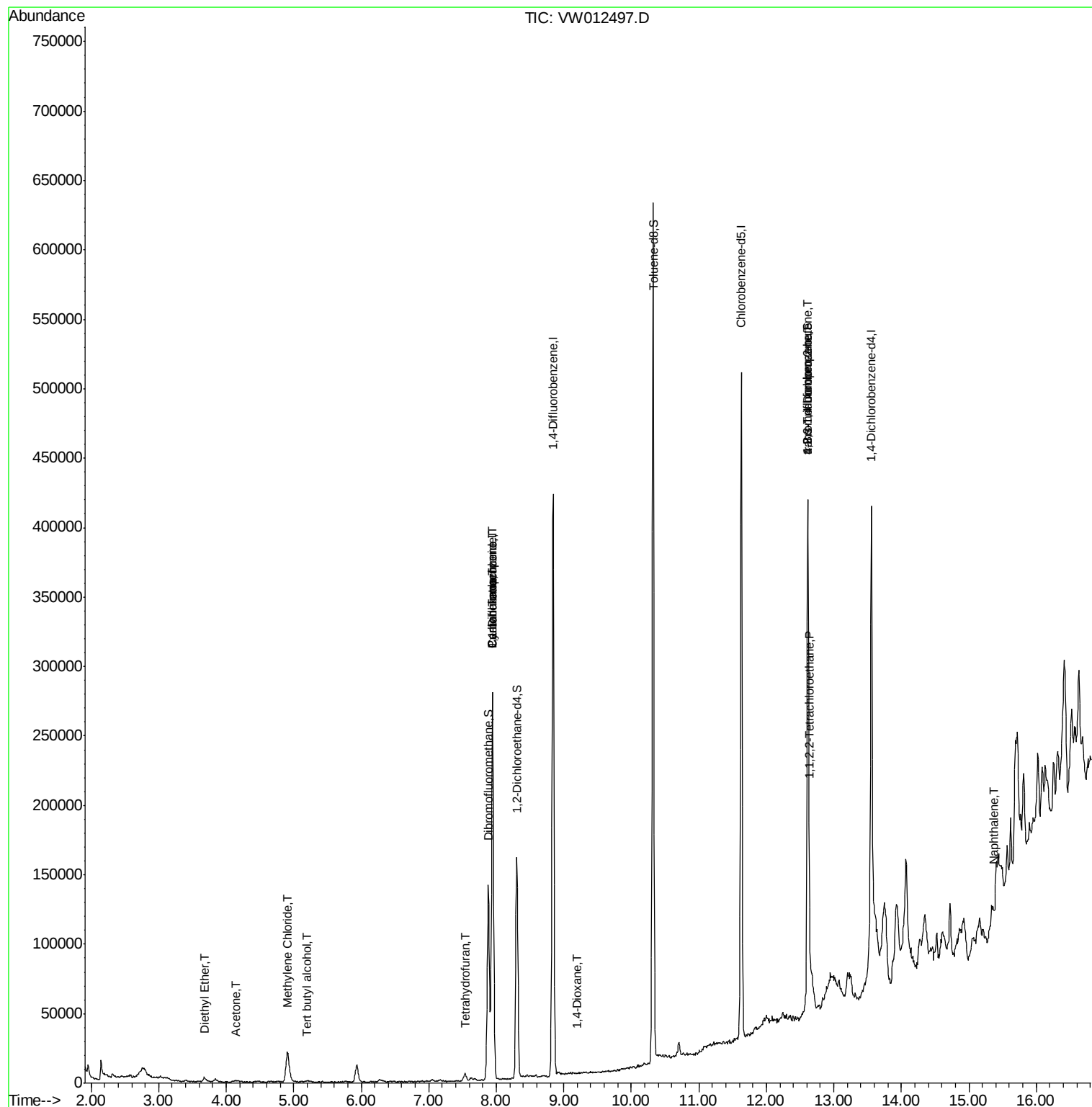
						Qvalue
8) Diethyl Ether	3.68	74	1342	1.213	ug/l	49
11) Tert butyl alcohol	5.20	59	708	4.978	ug/l	96
16) Acetone	4.14	43	2531	4.190	ug/l #	74
20) Methylene Chloride	4.90	84	16237	7.110	ug/l	97
29) Tetrahydrofuran	7.54	42	4913	9.975	ug/l	97
31) Cyclohexane	7.95	56	5332	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17081	4.984	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19801	6.676	ug/l #	17
49) 1,4-Dioxane	9.19	88	27	1.574	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.64	83	7246	7.002	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	57598	78.510	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57598	172.136	ug/l #	7
95) Naphthalene	15.37	128	882	4.605	ug/l #	77

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

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

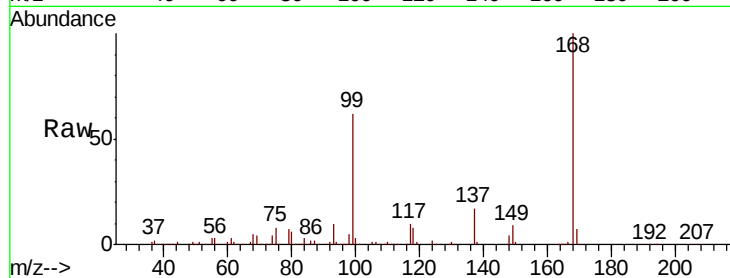
T9-12-13-S1-(1.9)

Tgt Ion:168 Resp: 198809

Ion Ratio Lower Upper

168 100

99 61.5 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

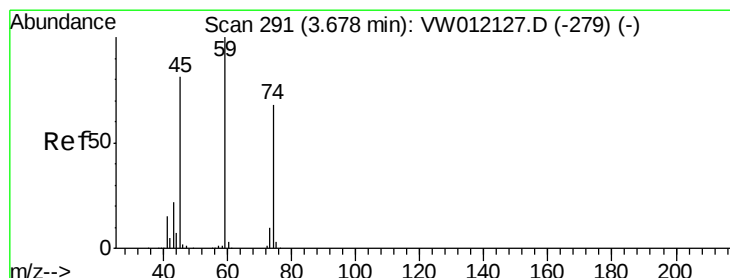
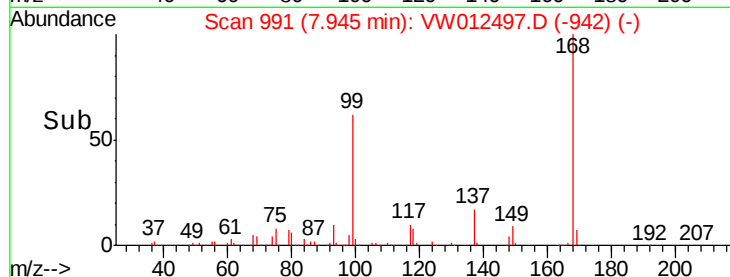
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.213 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012497.D

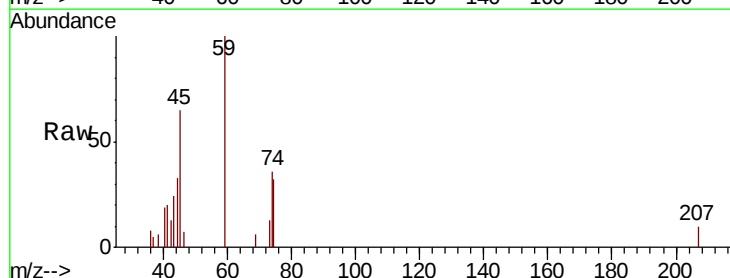
Acq: 02 Sep 2019 14:27

Tgt Ion: 74 Resp: 1342

Ion Ratio Lower Upper

74 100

45 174.3 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

1000

800

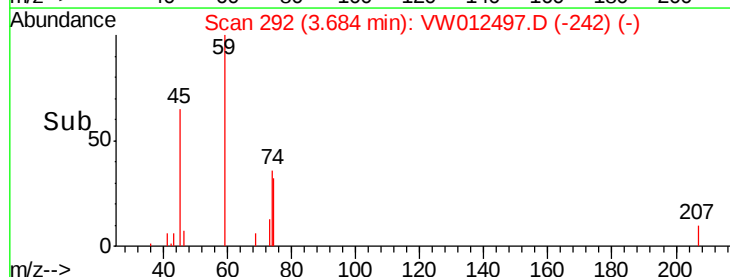
600

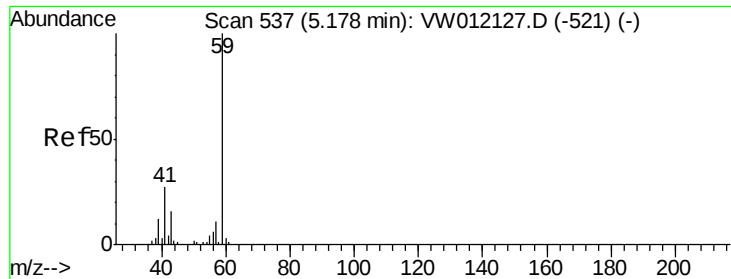
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200

0

Time-->

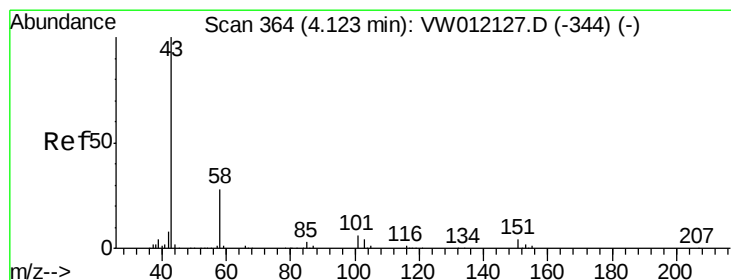
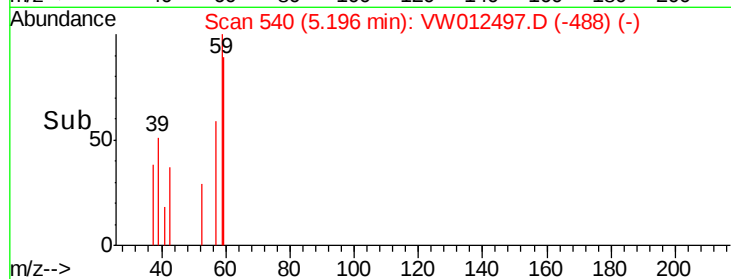
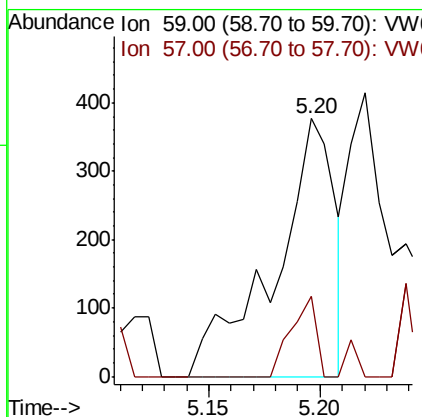
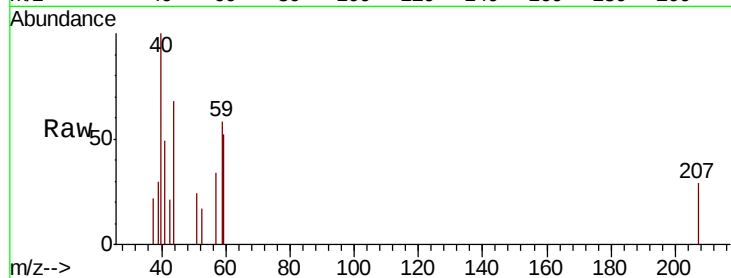




#11
Tert butyl alcohol
Concen: 4.978 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

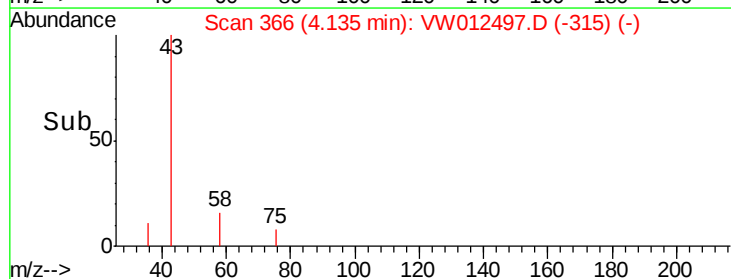
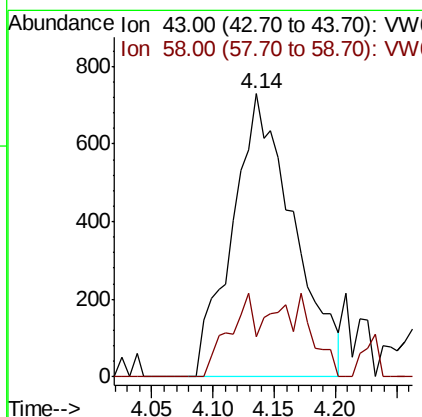
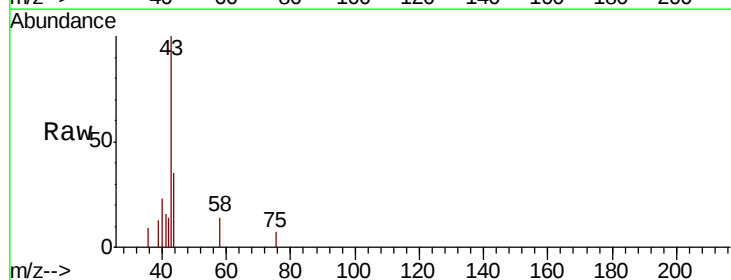
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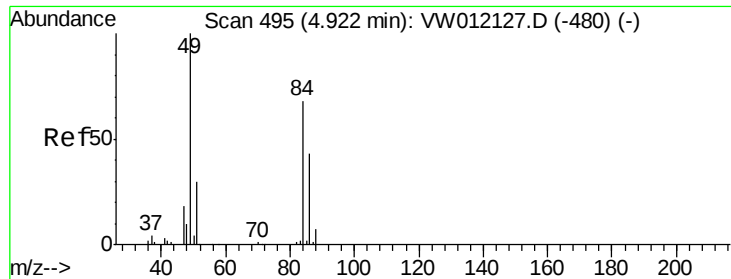
Tgt Ion: 59 Resp: 708
Ion Ratio Lower Upper
59 100
57 12.9 9.0 13.4



#16
Acetone
Concen: 4.190 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Tgt Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
58 14.1 22.4 33.6#

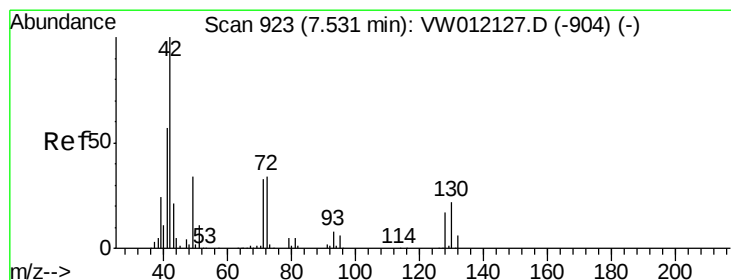
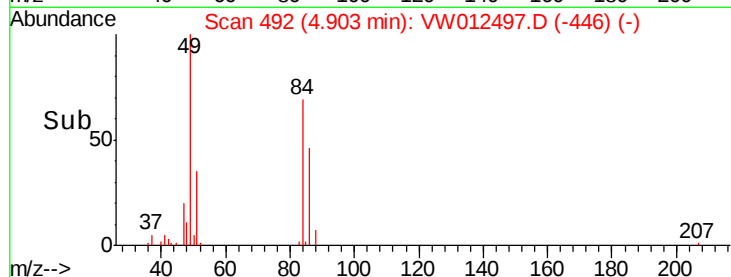
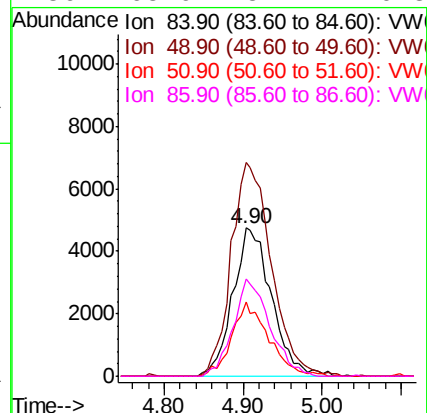
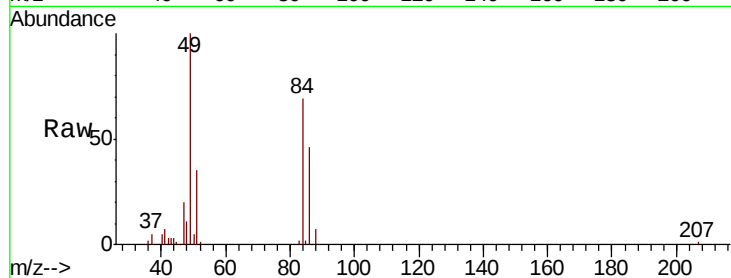




#20
Methylene Chloride
Concen: 7.110 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

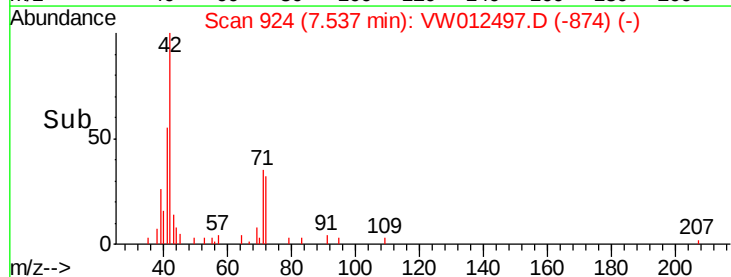
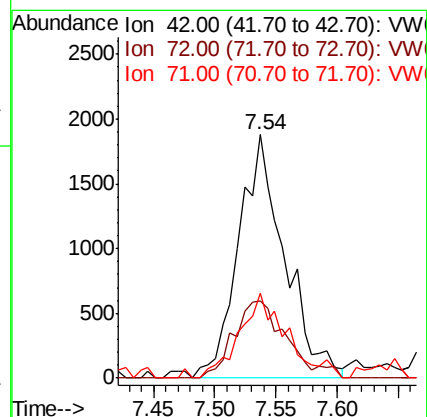
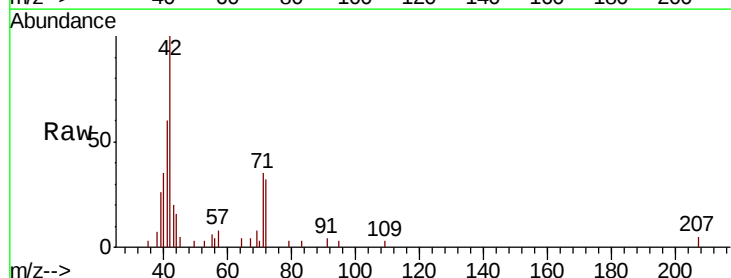
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S1-(1.9)

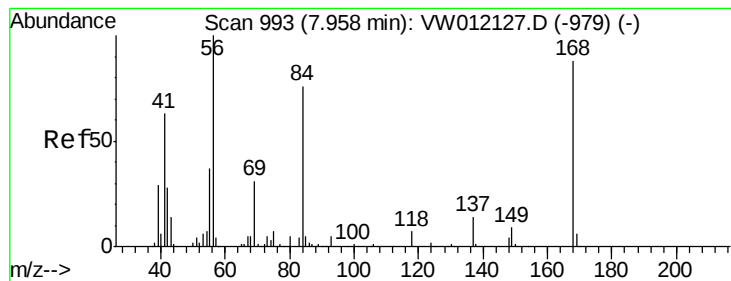
Tgt Ion:	84	Resp:	16237
Ion	Ratio	Lower	Upper
84	100		
49	144.4	117.8	176.8
51	50.3	35.6	53.4
86	65.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.975 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Tgt Ion:	42	Resp:	4913
Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	35.6	25.5	38.3





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S1-(1.9)

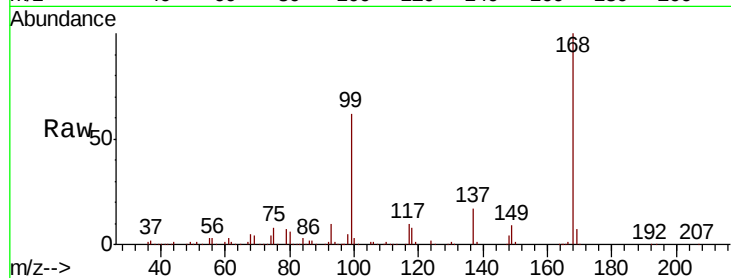
Tgt Ion: 56 Resp: 5332

Ion Ratio Lower Upper

56 100

69 158.2 24.9 37.3#

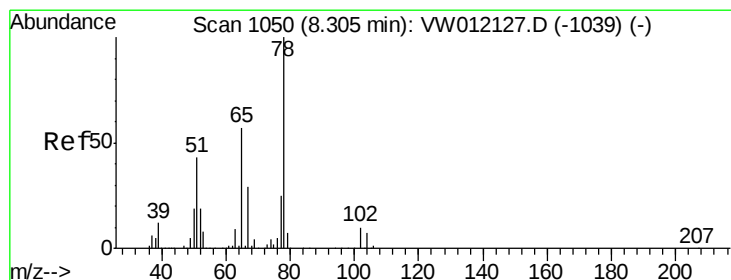
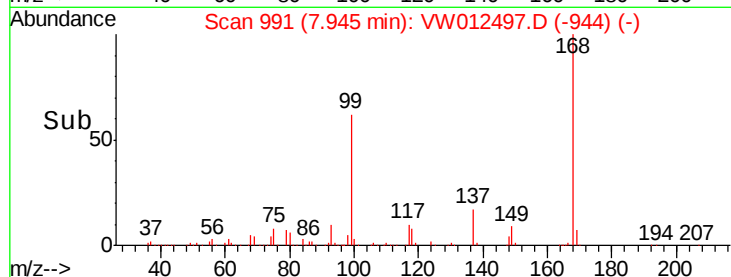
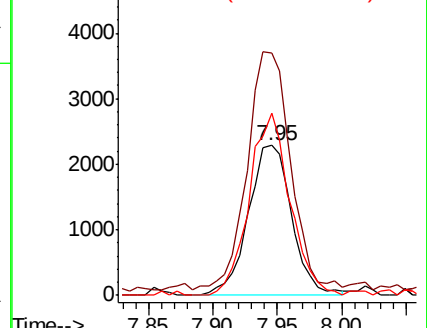
84 121.5 60.6 90.8#



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: 54.777 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012497.D

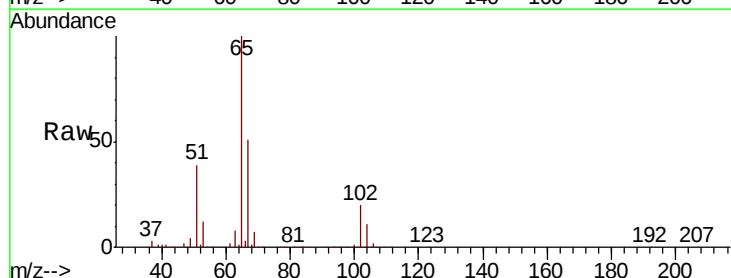
Acq: 02 Sep 2019 14:27

Tgt Ion: 65 Resp: 129457

Ion Ratio Lower Upper

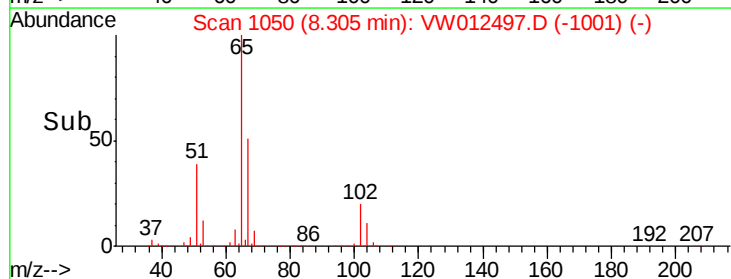
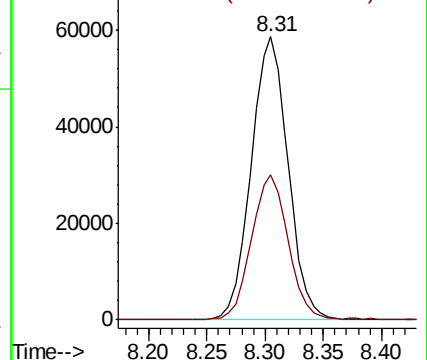
65 100

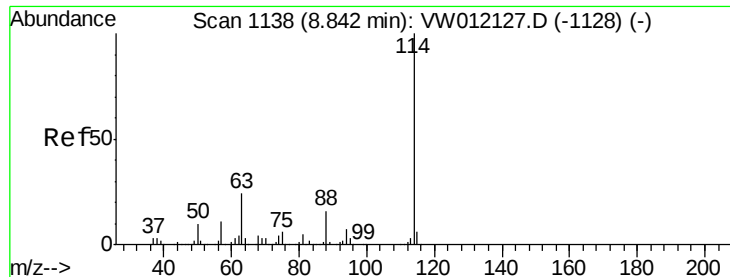
67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

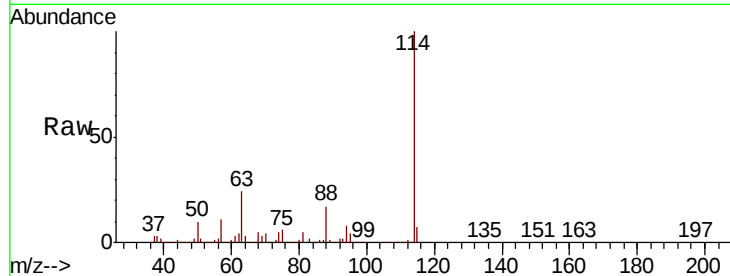




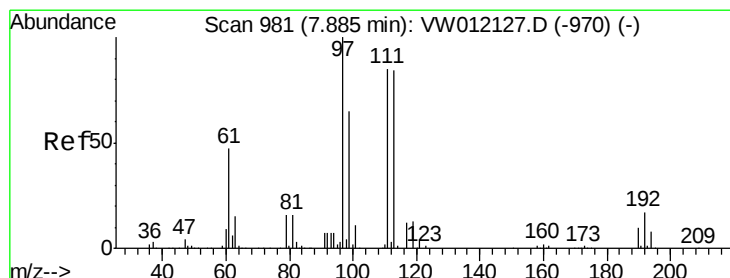
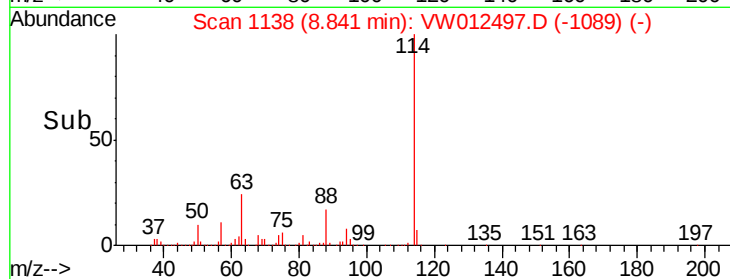
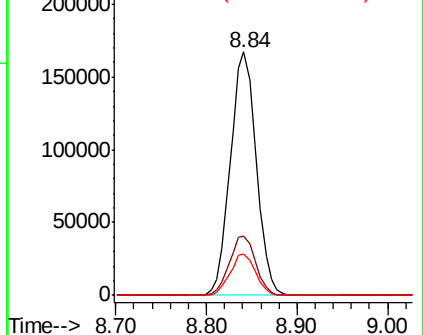
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S1-(1.9)

Tgt Ion:114 Resp: 331633
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 17.0 0.0 32.2

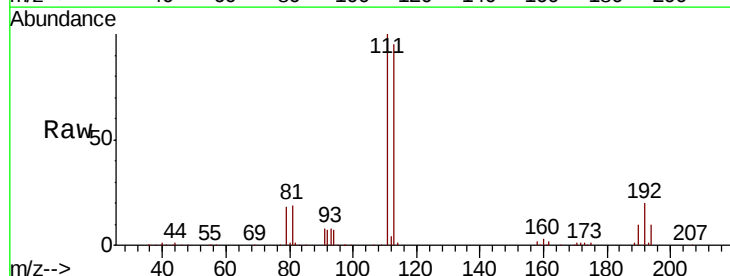


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

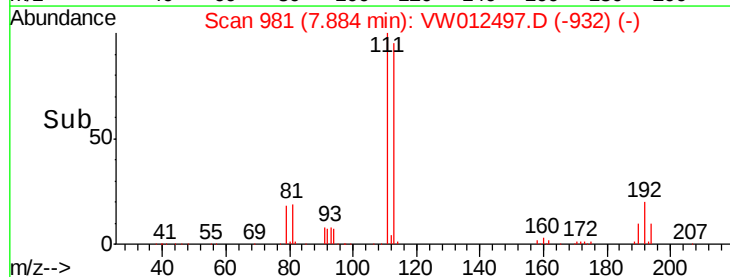
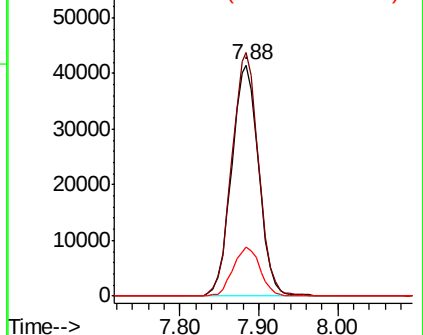


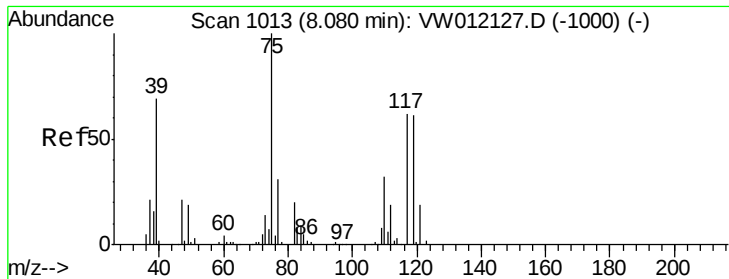
#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Tgt Ion:113 Resp: 98804
 Ion Ratio Lower Upper
 113 100
 111 104.2 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

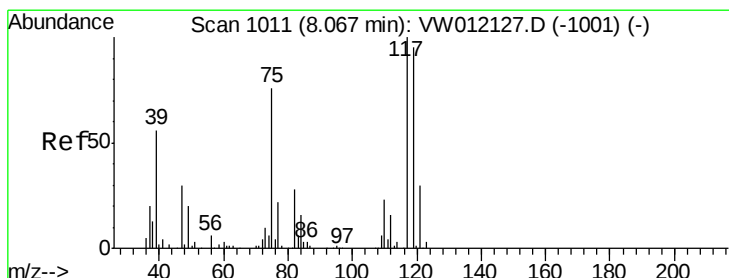
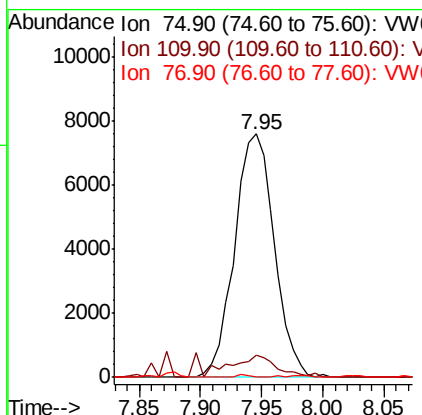
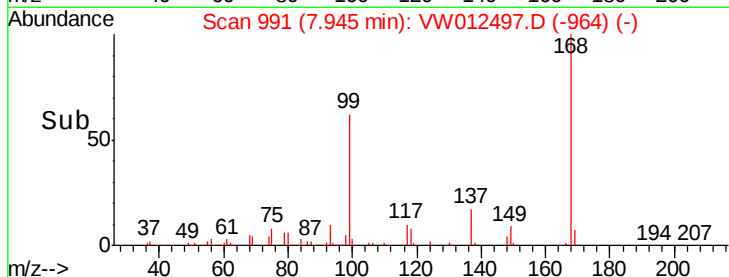
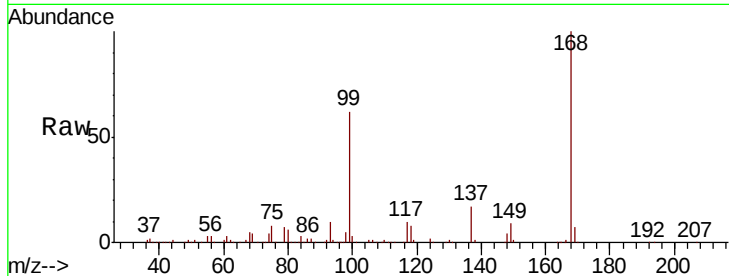




#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

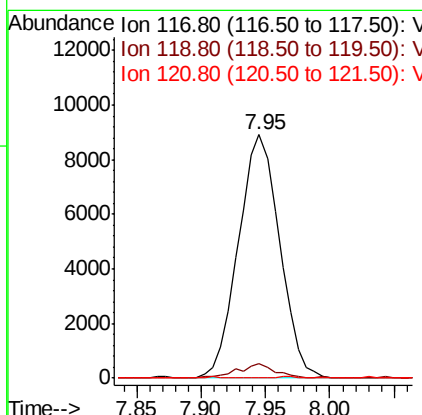
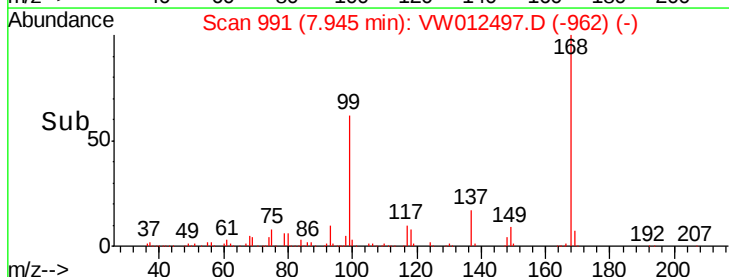
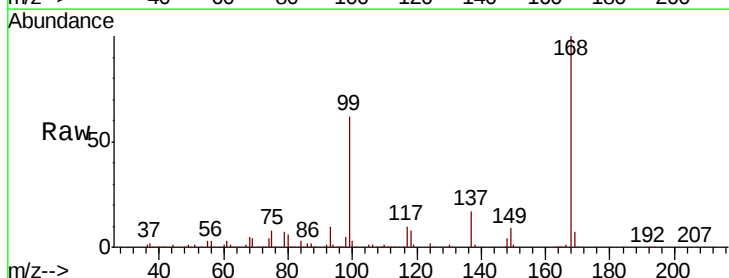
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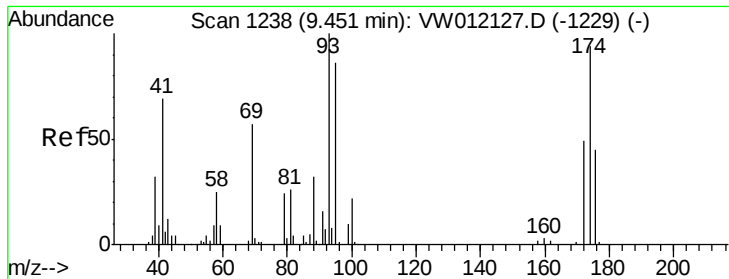
Tgt Ion: 75 Resp: 17081
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.3 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.676 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Tgt Ion: 117 Resp: 19801
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.2 114.2#
 121 0.0 23.8 35.8#

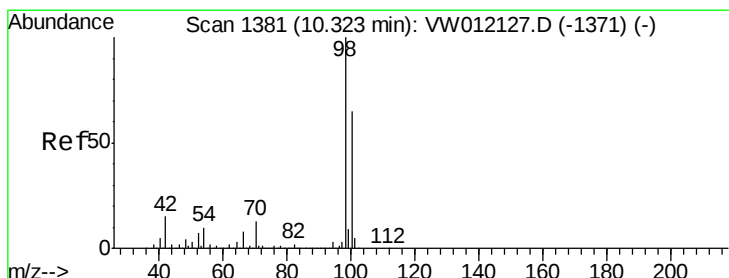
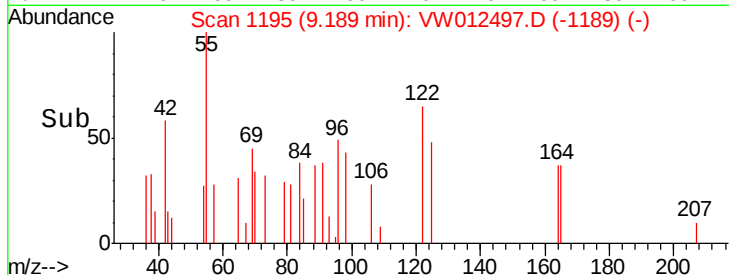
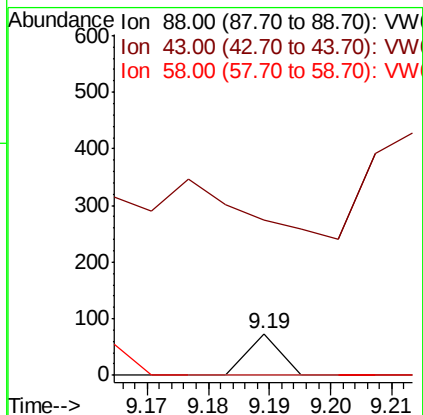
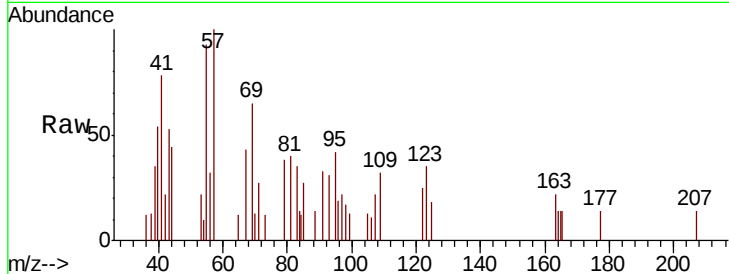




#49
1,4-Dioxane
Concen: 1.574 ug/l
RT: 9.19 min Scan# 1195
Delta R.T. -0.26 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

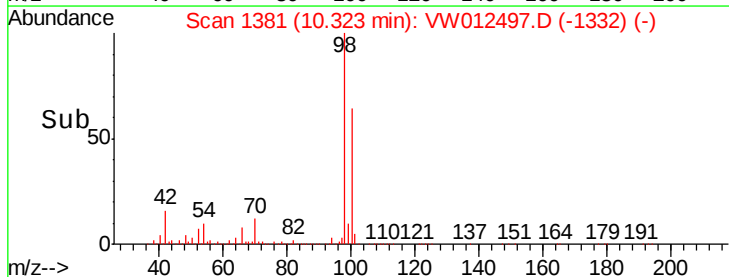
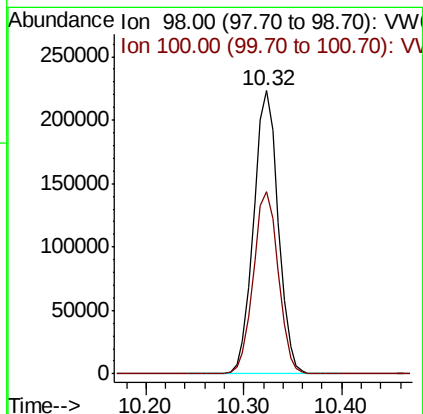
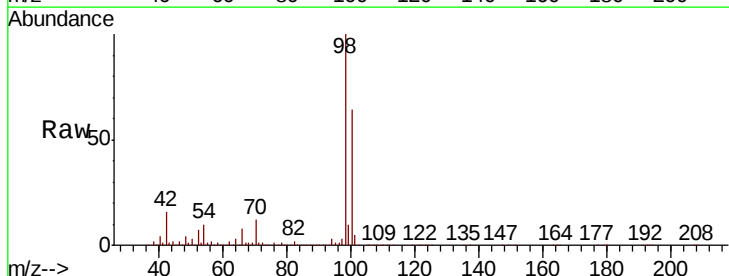
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T9-12-13-S1-(1.9)

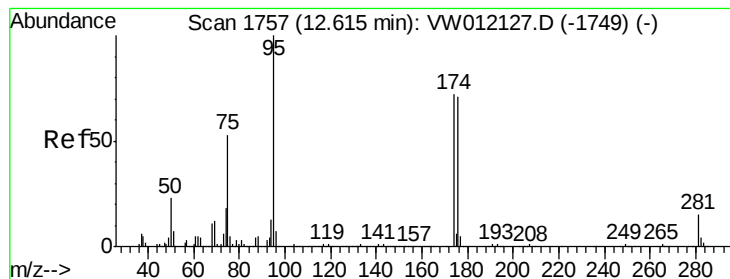
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 303.7 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 48.542 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012497.D
Acq: 02 Sep 2019 14:27

Tgt Ion: 98 Resp: 389619
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 42.159 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S1-(1.9)

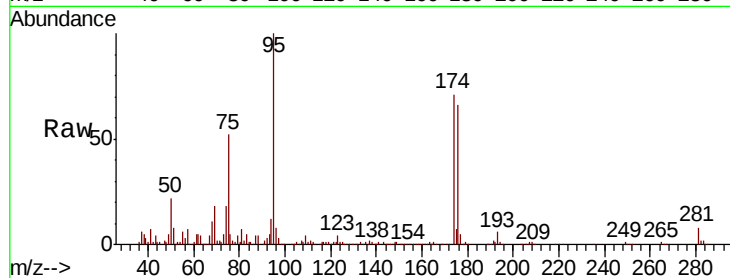
Tgt Ion: 95 Resp: 119280

Ion Ratio Lower Upper

95 100

174 68.8 0.0 150.8

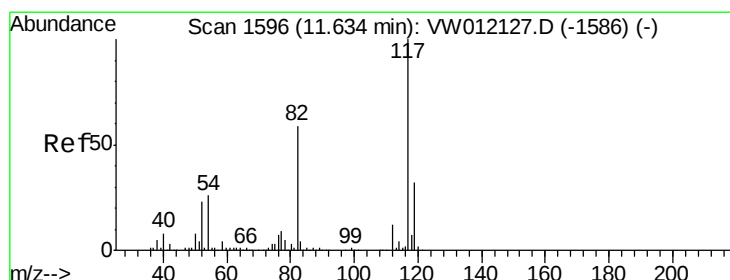
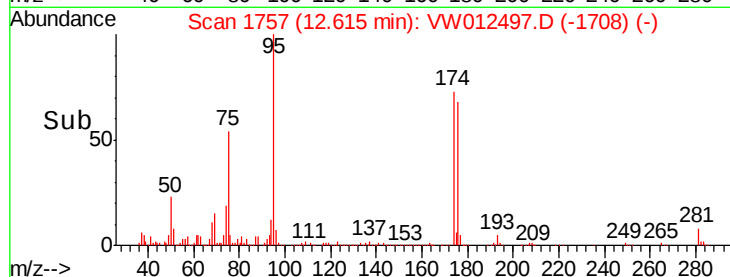
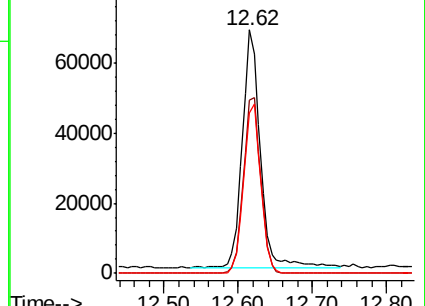
176 65.7 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

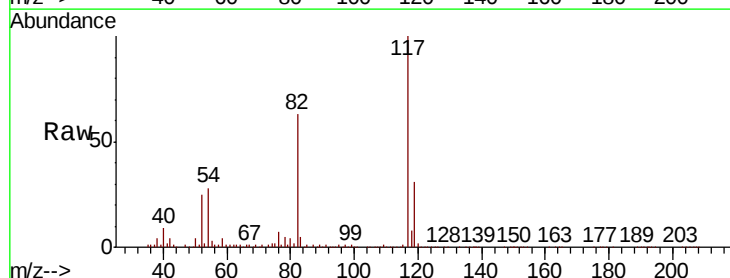
Tgt Ion: 117 Resp: 248662

Ion Ratio Lower Upper

117 100

82 62.9 47.4 71.2

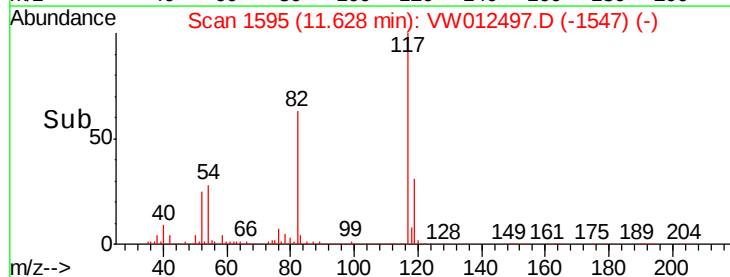
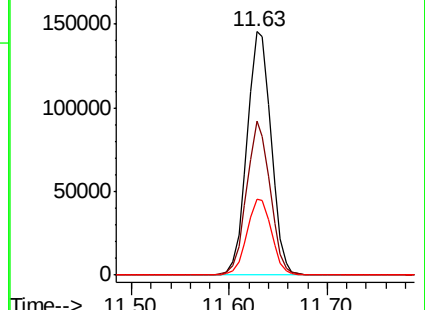
119 31.1 25.4 38.2

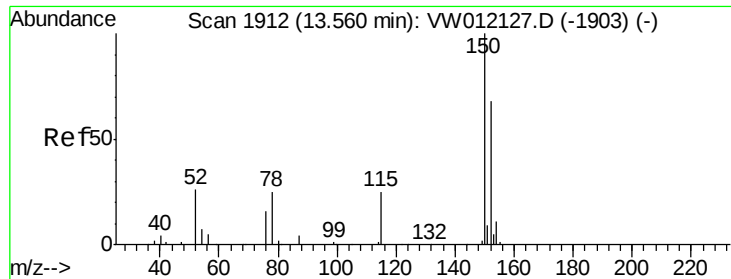


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S1-(1.9)

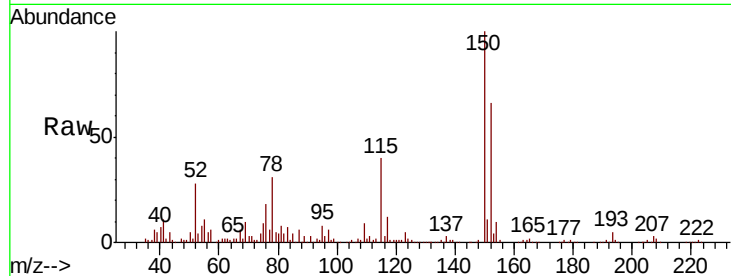
Tgt Ion:152 Resp: 75328

Ion Ratio Lower Upper

152 100

115 58.1 30.1 90.3

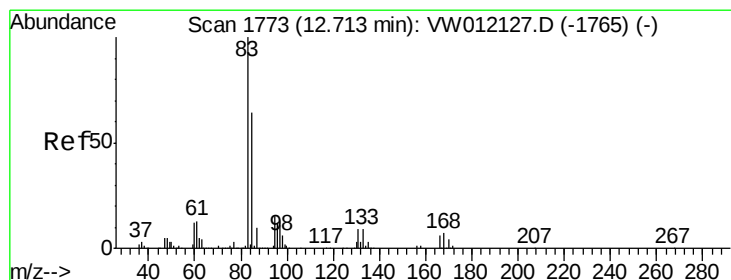
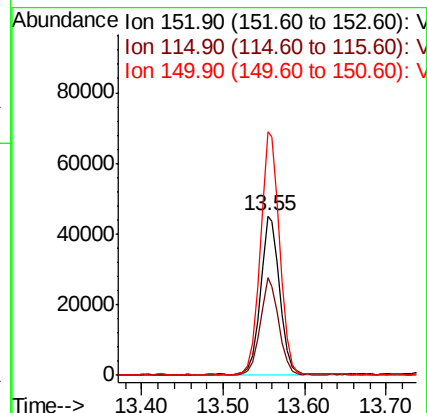
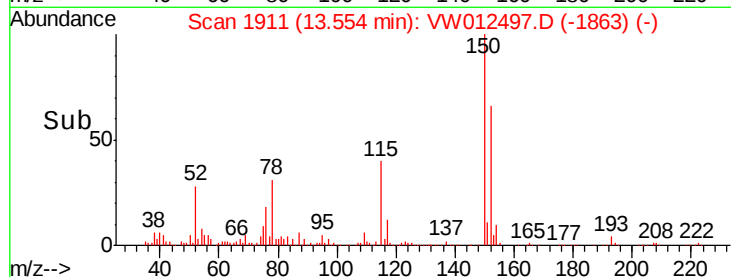
150 151.2 0.0 345.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 7.002 ug/l

RT: 12.64 min Scan# 1761

Delta R.T. -0.07 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

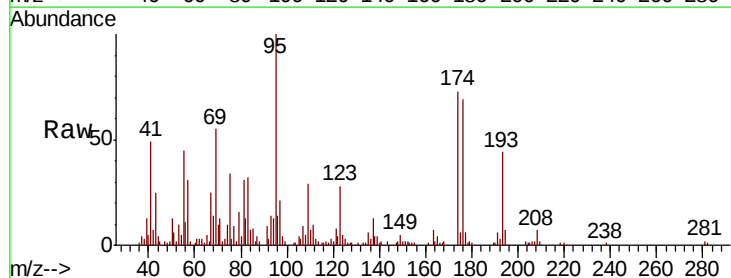
Tgt Ion: 83 Resp: 7246

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

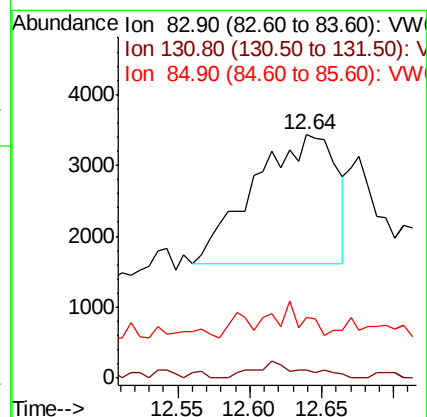
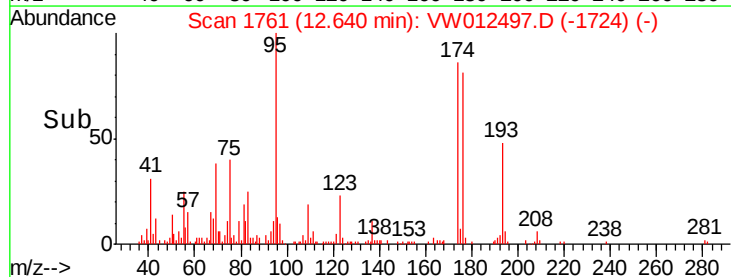
85 0.0 31.9 95.7#

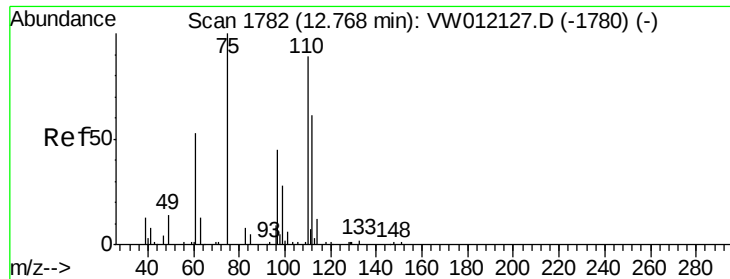


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 78.510 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

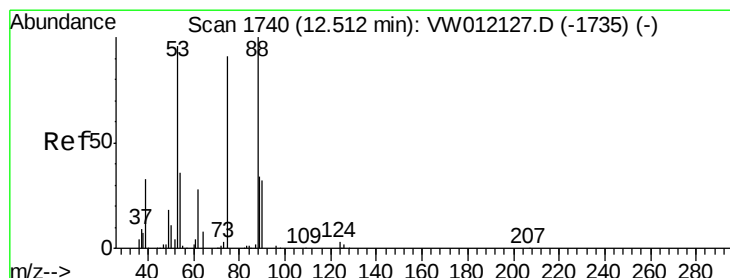
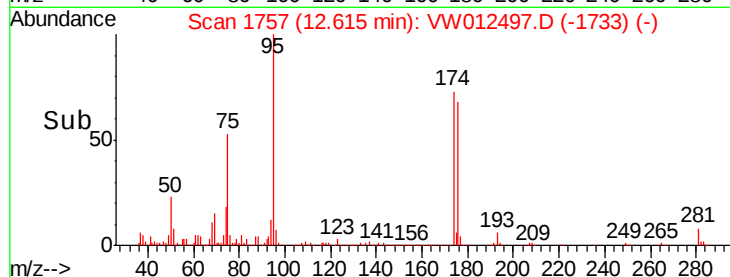
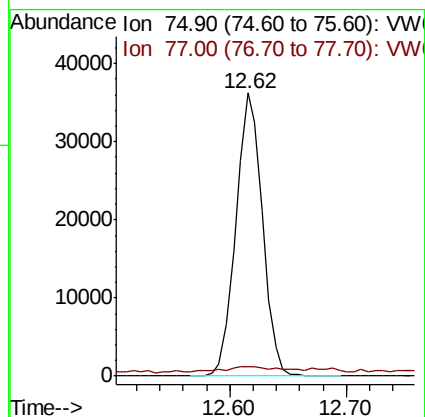
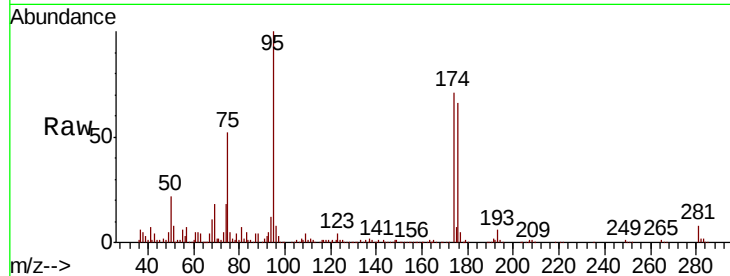
T9-12-13-S1-(1.9)

Tgt Ion: 75 Resp: 57598

Ion Ratio Lower Upper

75 100

77 4.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 172.136 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012497.D

Acq: 02 Sep 2019 14:27

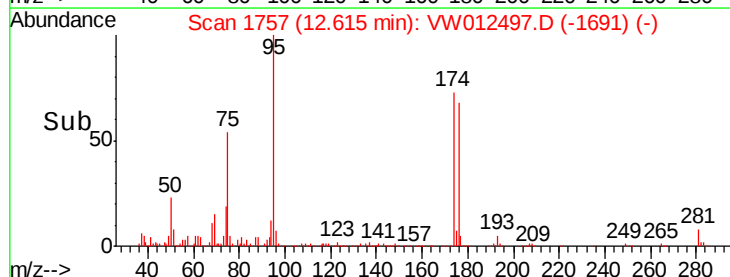
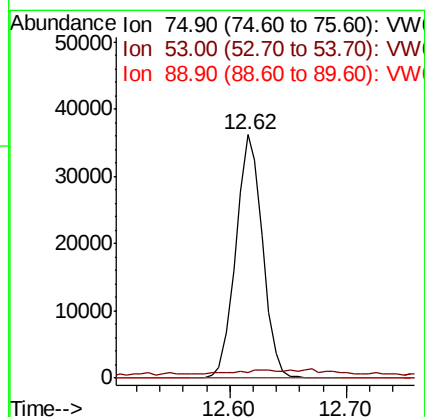
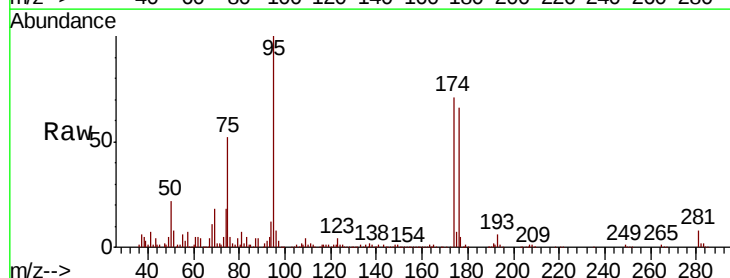
Tgt Ion: 75 Resp: 57598

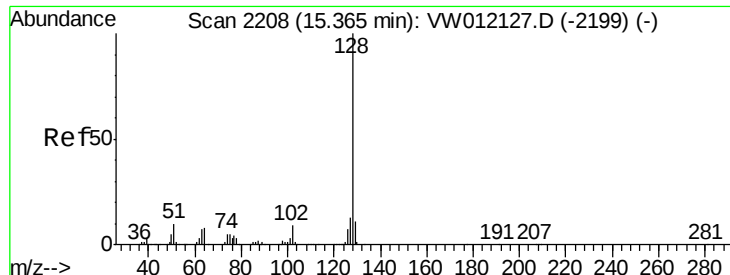
Ion Ratio Lower Upper

75 100

53 2.6 89.4 134.0#

89 0.1 34.5 51.7#





#95
 Naphthalene
 Concen: 4.605 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012497.D
 Acq: 02 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S1-(1.9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	29.7	8.7	13.1#

