

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012444.D
 Acq On : 01 Sep 2019 13:31
 Operator : SY/VA
 Sample : K4493-17RE
 Misc : 5.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-K3-(1.9)RE

Quant Time: Sep 02 07:18:02 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	168601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	271285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	29560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	113834	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
35) Dibromofluoromethane	7.88	113	90488	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
50) Toluene-d8	10.32	98	300637	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
62) 4-Bromofluorobenzene	12.62	95	48720	21.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.10%	

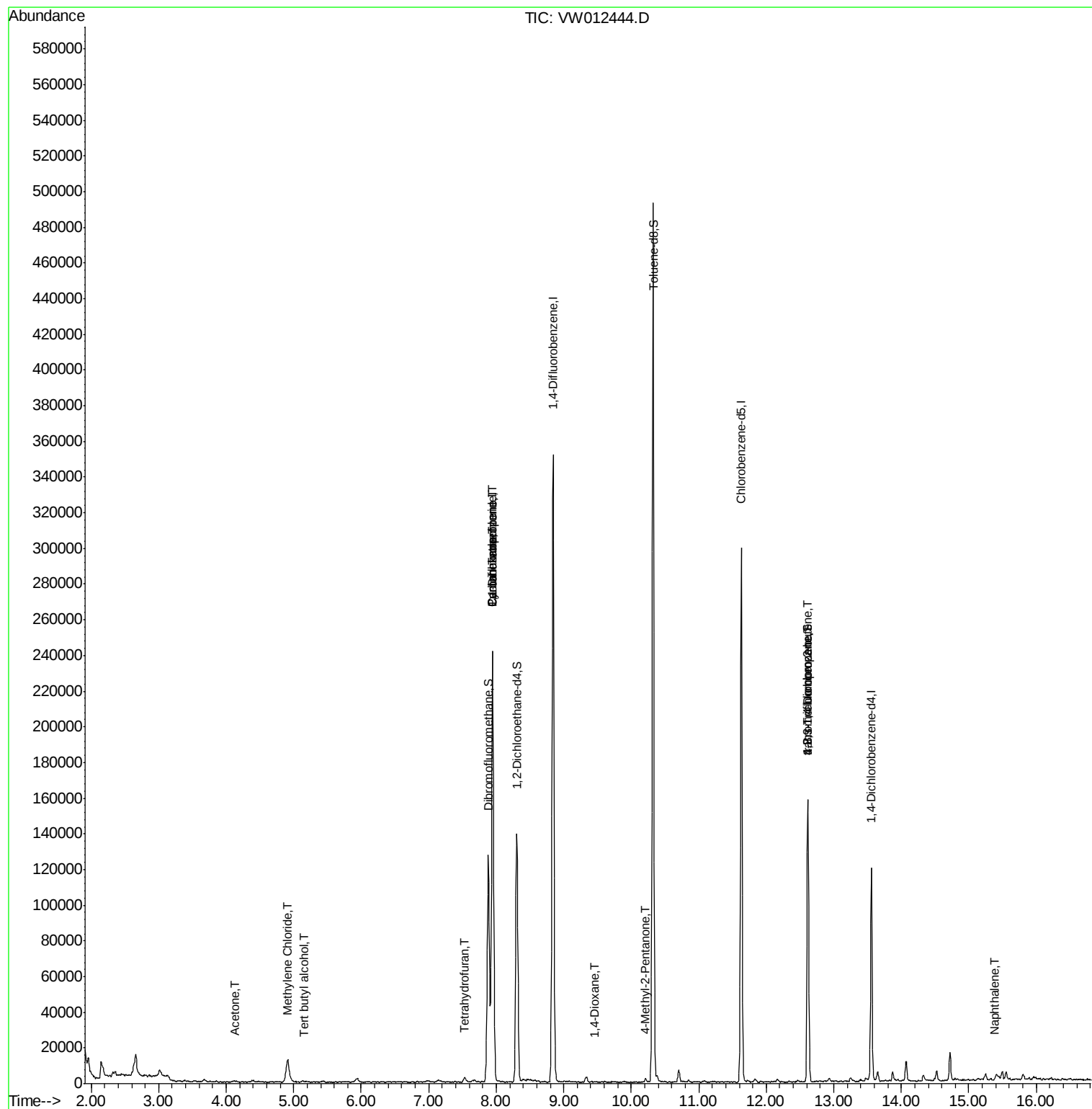
Target Compounds						Qvalue
11) Tert butyl alcohol	5.16	59	698	5.787	ug/l #	71
16) Acetone	4.12	43	1503	2.934	ug/l #	75
20) Methylene Chloride	4.91	84	8200	4.234	ug/l	92
29) Tetrahydrofuran	7.53	42	2359	5.648	ug/l #	83
31) Cyclohexane	7.95	56	5330	1.476	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	15174	5.413	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18015	7.425	ug/l #	16
49) 1,4-Dioxane	9.46	88	24	1.710	ug/l #	14
51) 4-Methyl-2-Pentanone	10.21	43	1641	1.134	ug/l #	85
76) 1,2,3-Trichloropropane	12.62	75	27360	95.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27360	208.368	ug/l #	6
95) Naphthalene	15.37	128	680	4.878	ug/l #	79

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

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Quant Title : SW846 8260
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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: VW012444.D

Acq: 01 Sep 2019 13:31

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MSVOA_W

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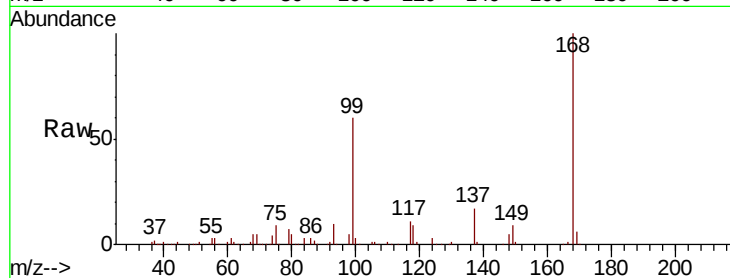
T9-12-13-K3-(1.9)RE

Tgt Ion:168 Resp: 168601

Ion Ratio Lower Upper

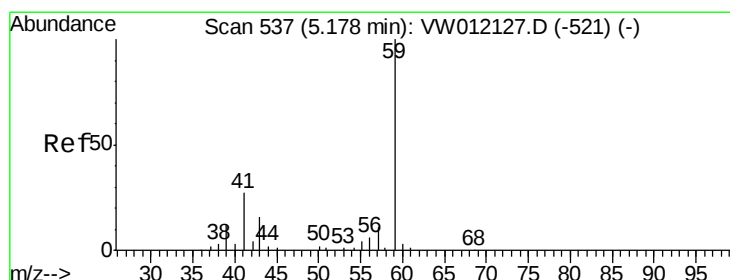
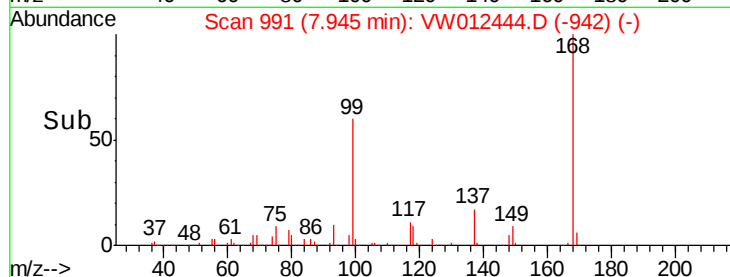
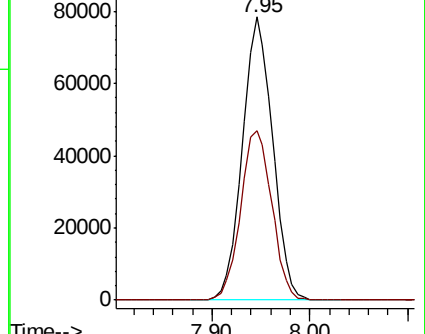
168 100

99 59.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.787 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012444.D

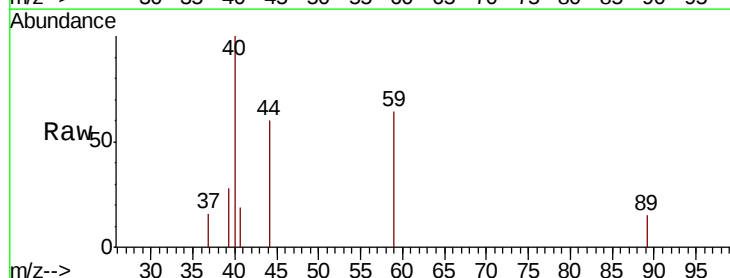
Acq: 01 Sep 2019 13:31

Tgt Ion: 59 Resp: 698

Ion Ratio Lower Upper

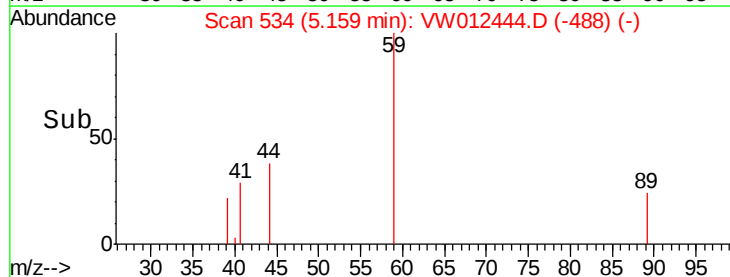
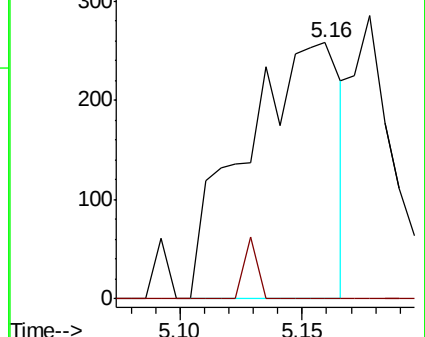
59 100

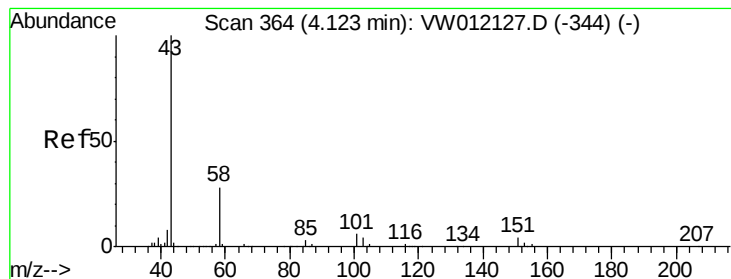
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.934 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

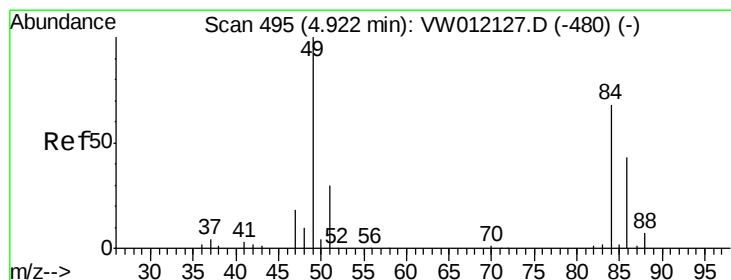
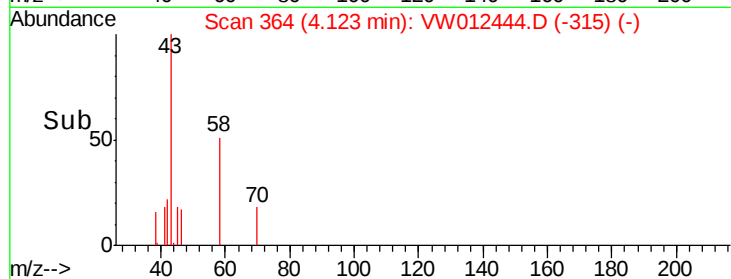
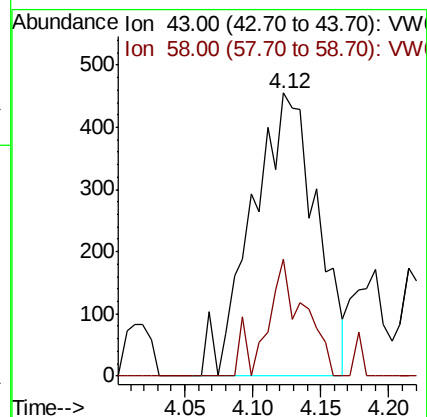
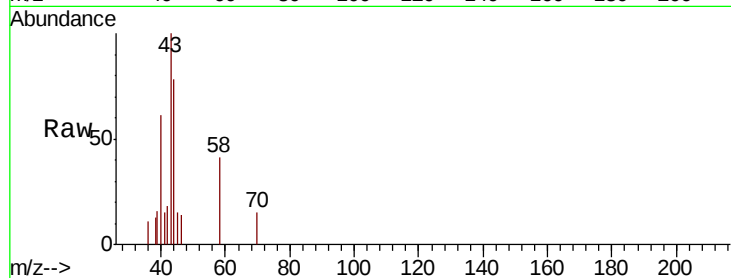
T9-12-13-K3-(1.9)RE

Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

58 41.1 22.4 33.6#



#20

Methylene Chloride

Concen: 4.234 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

Tgt Ion: 84 Resp: 8200

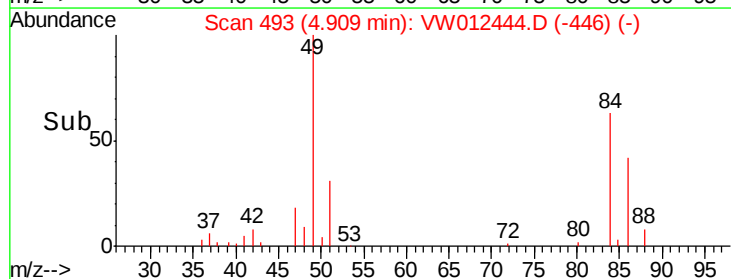
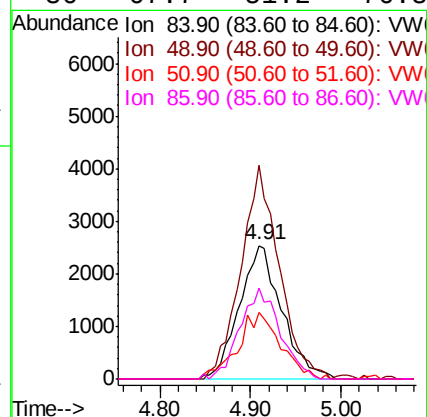
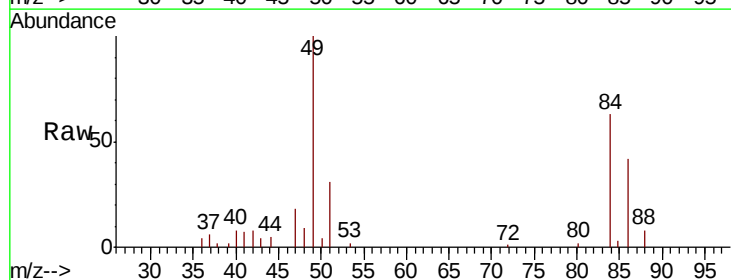
Ion Ratio Lower Upper

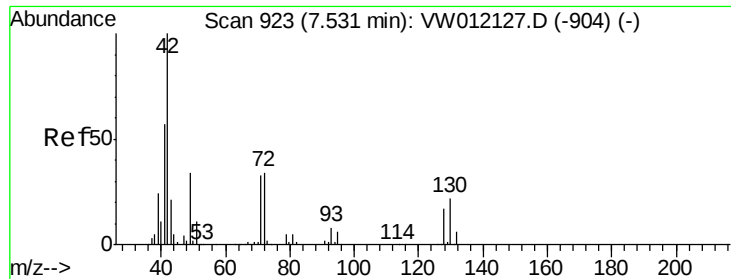
84 100

49 159.9 117.8 176.8

51 49.8 35.6 53.4

86 67.7 51.2 76.8

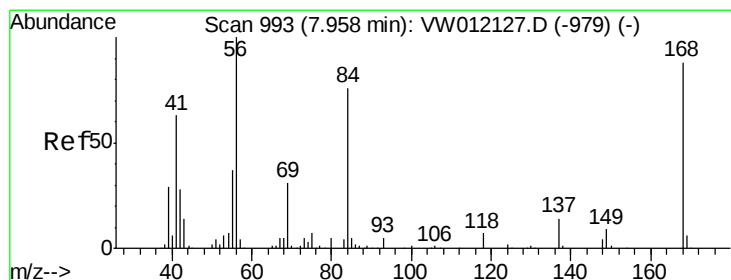
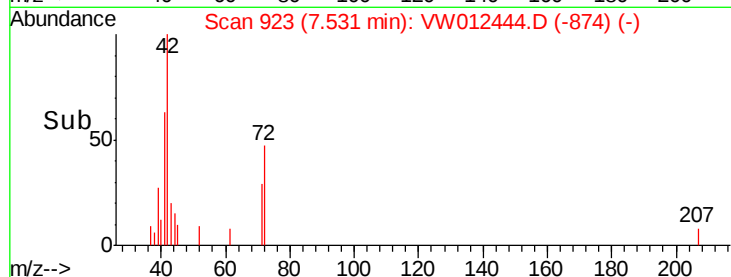
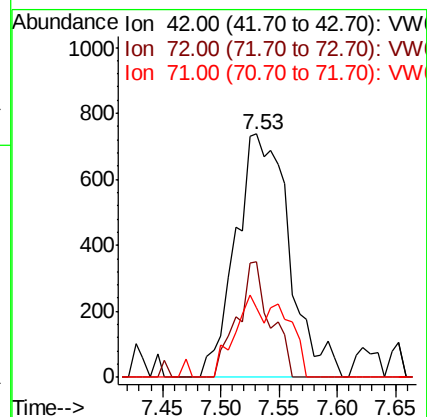
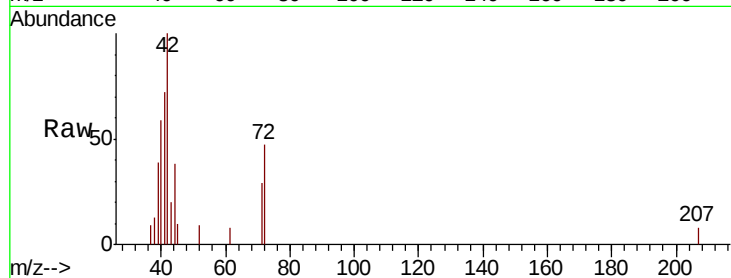




#29
Tetrahydrofuran
Concen: 5.648 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012444.D
Acq: 01 Sep 2019 13:31

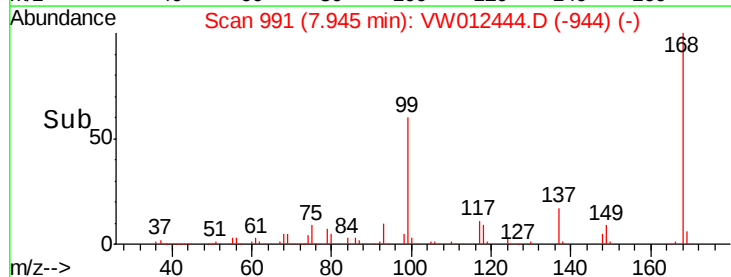
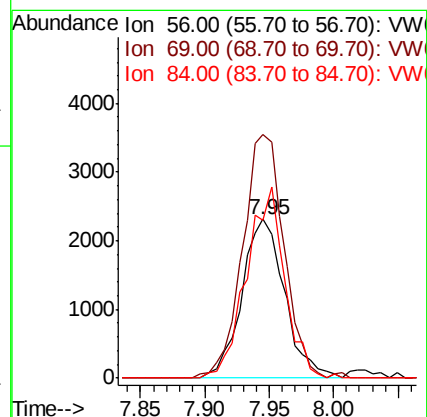
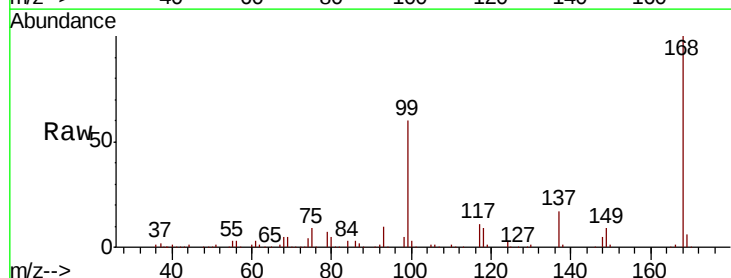
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-K3-(1.9)RE

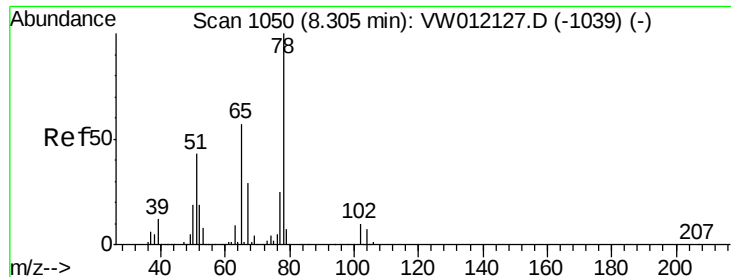
Tgt Ion: 42 Resp: 2359
Ion Ratio Lower Upper
42 100
72 29.5 27.3 40.9
71 17.6 25.5 38.3#



#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012444.D
Acq: 01 Sep 2019 13:31

Tgt Ion: 56 Resp: 5330
Ion Ratio Lower Upper
56 100
69 153.4 24.9 37.3#
84 99.8 60.6 90.8#

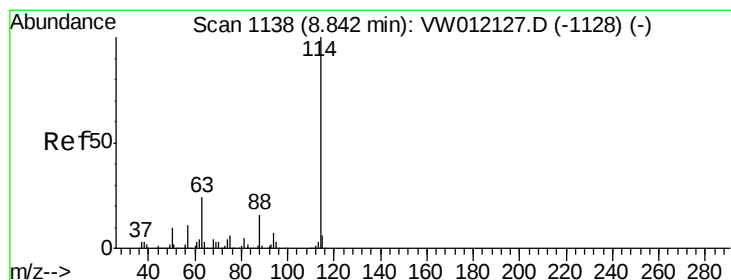
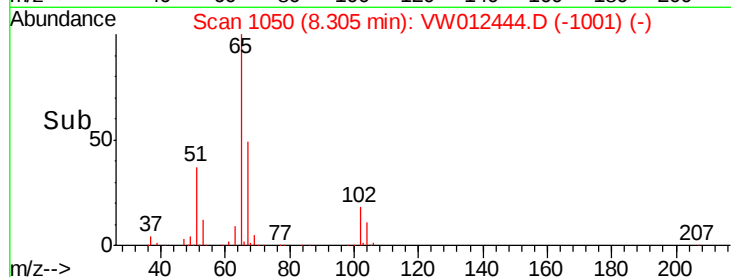
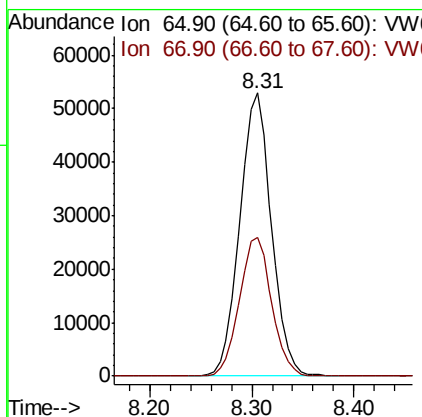
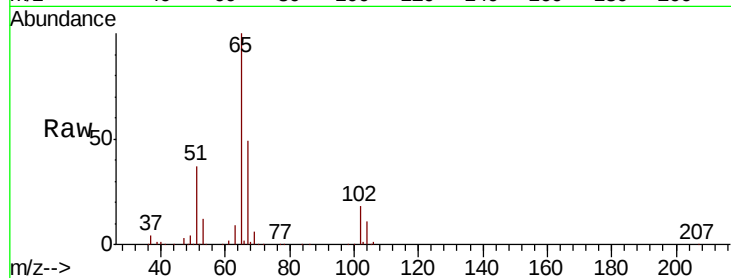




#33
 1,2-Dichloroethane-d4
 Concen: 56.796 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012444.D
 Acq: 01 Sep 2019 13:31

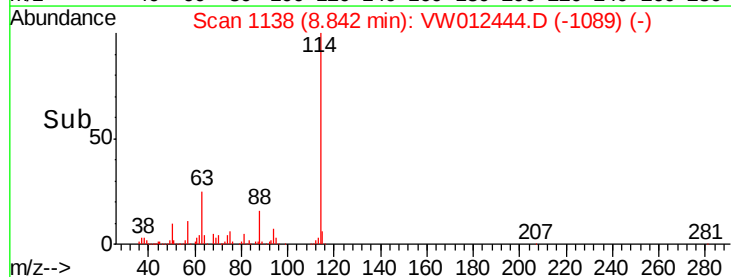
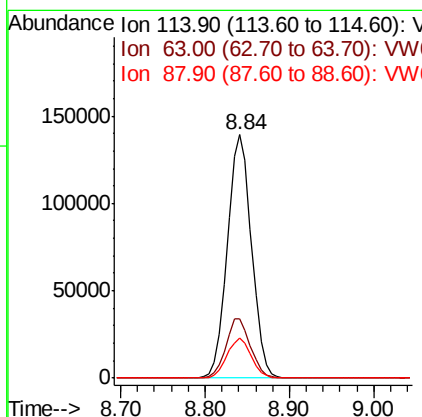
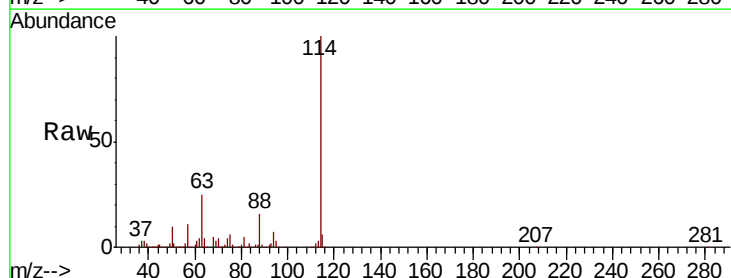
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-K3-(1.9)RE

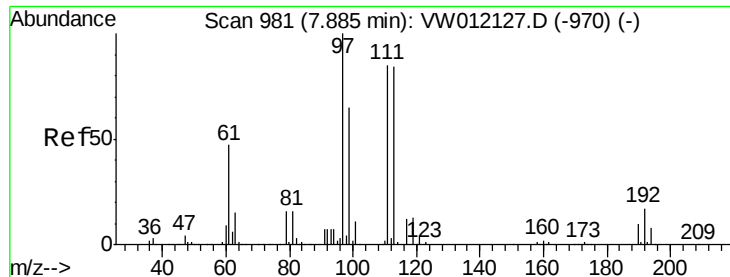
Tgt Ion: 65 Resp: 113834
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012444.D
 Acq: 01 Sep 2019 13:31

Tgt Ion: 114 Resp: 271285
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.4 0.0 32.2

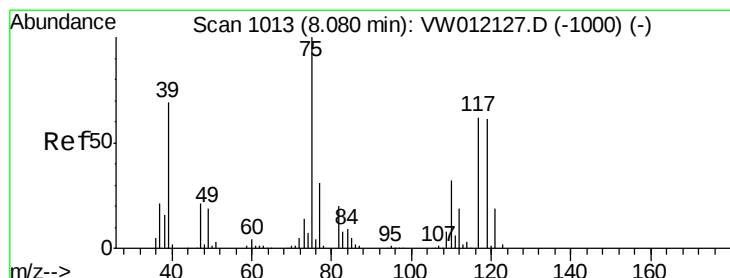
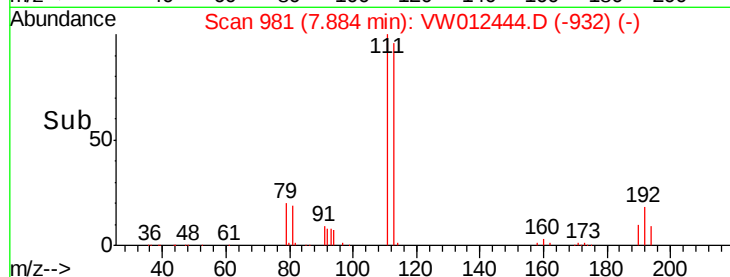
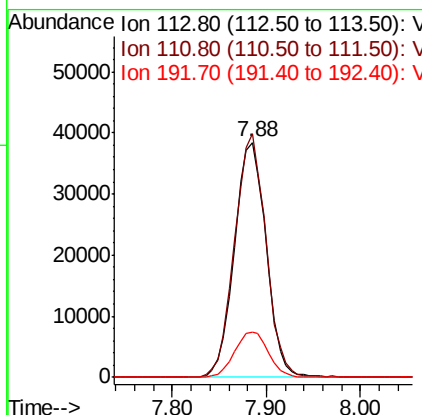
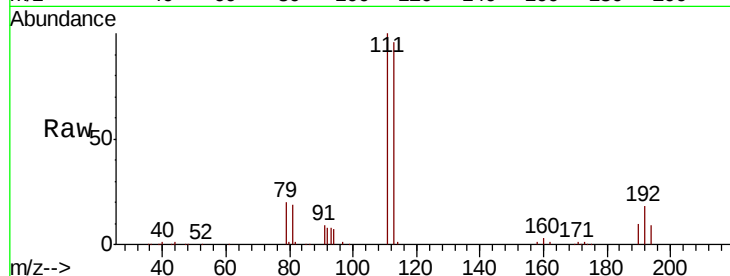




#35
 Dibromofluoromethane
 Concen: 55.881 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012444.D
 Acq: 01 Sep 2019 13:31

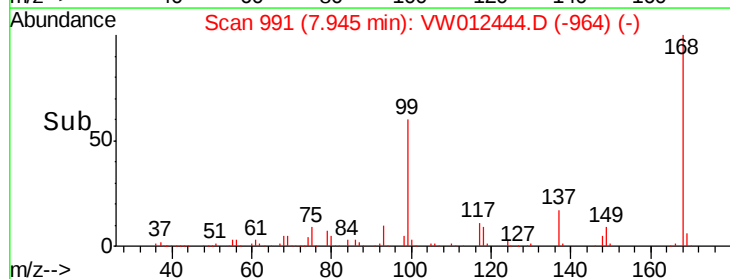
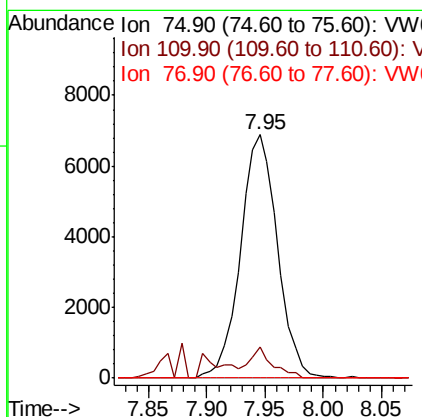
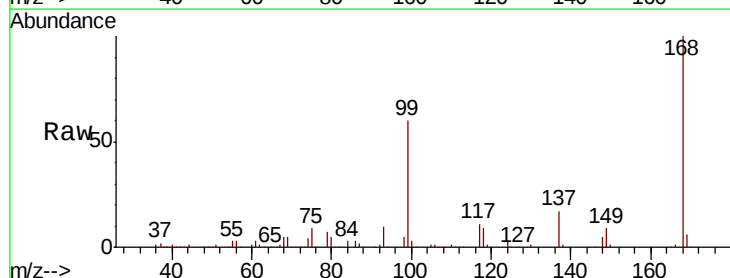
Instrument :
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 T9-12-13-K3-(1.9)RE

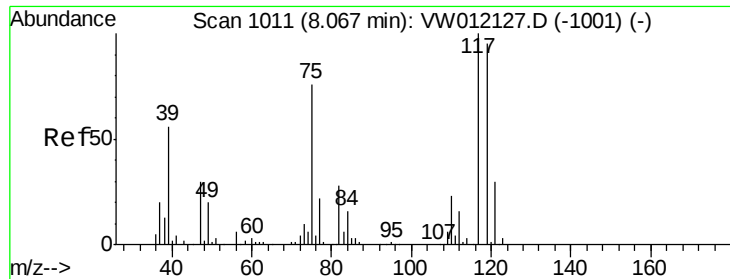
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.413 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012444.D
 Acq: 01 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.0	24.6	36.8#

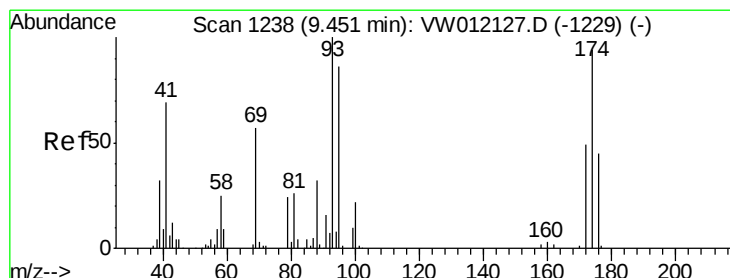
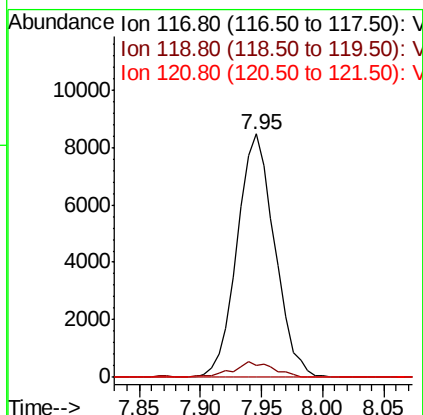
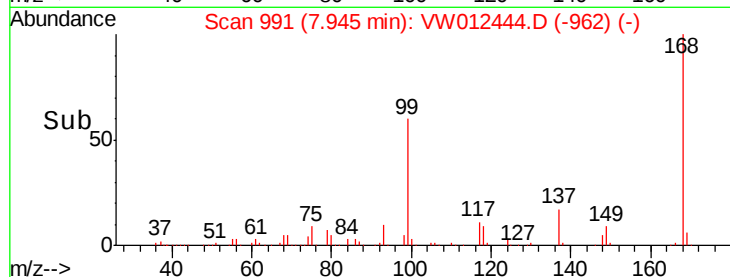
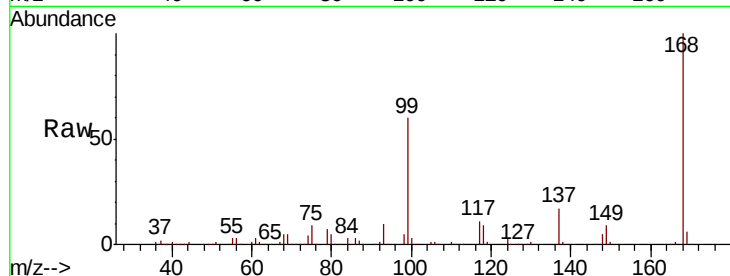




#38
Carbon Tetrachloride
Concen: 7.425 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012444.D
Acq: 01 Sep 2019 13:31

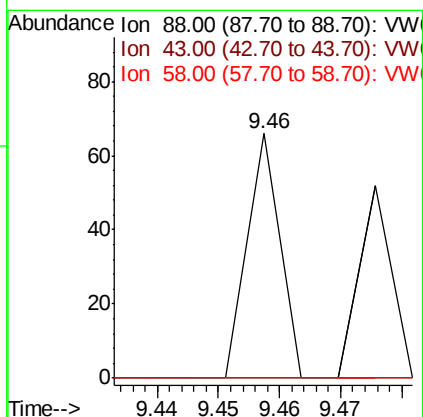
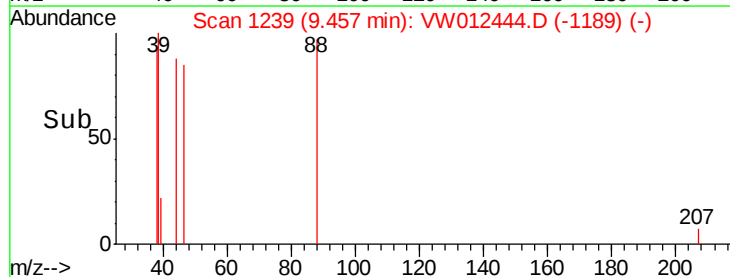
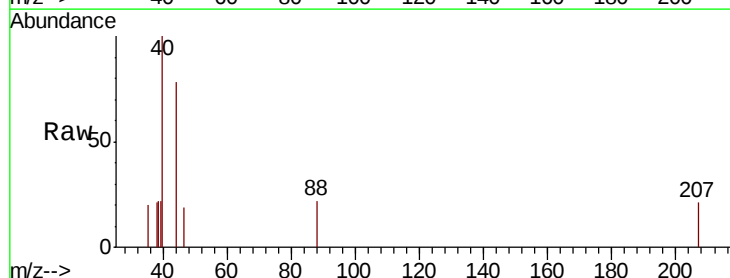
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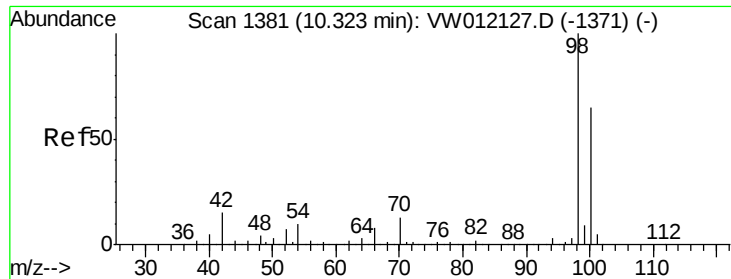
Tgt Ion: 117 Resp: 18015
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.8 35.8#



#49
1,4-Dioxane
Concen: 1.710 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012444.D
Acq: 01 Sep 2019 13:31

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 0.0 71.0 106.4#





#50

Toluene-d8

Concen: 45.788 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

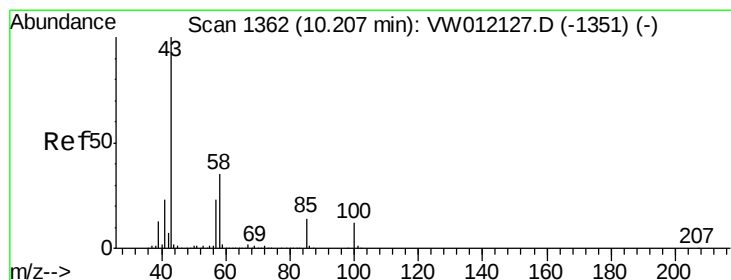
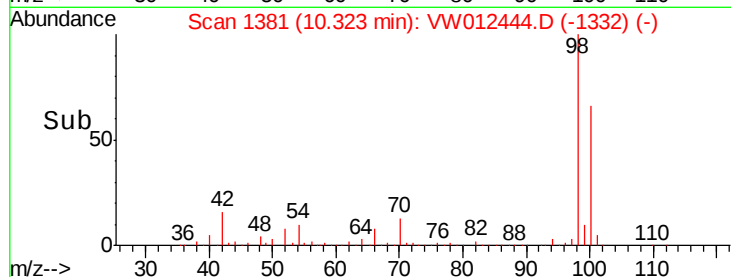
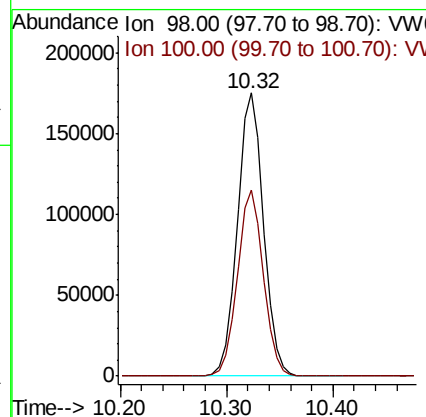
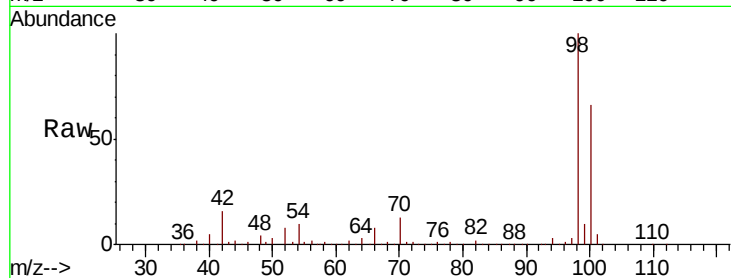
T9-12-13-K3-(1.9)RE

Tgt Ion: 98 Resp: 300637

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.134 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012444.D

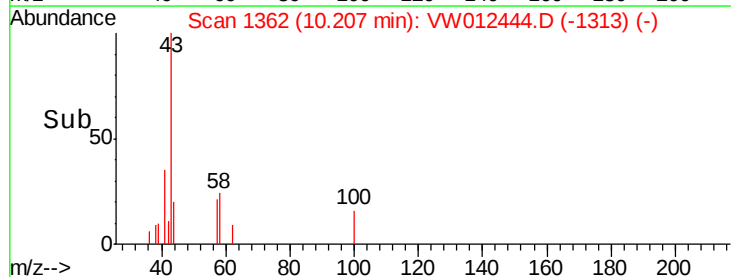
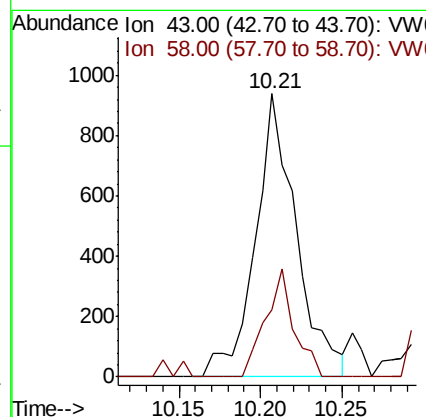
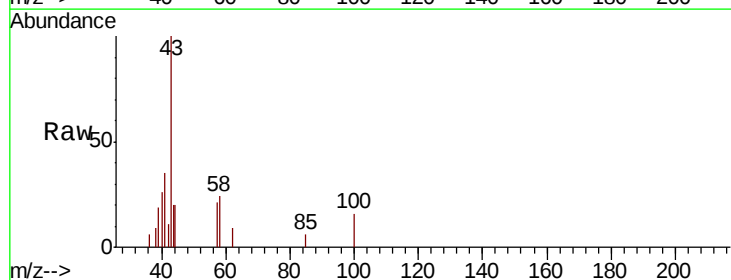
Acq: 01 Sep 2019 13:31

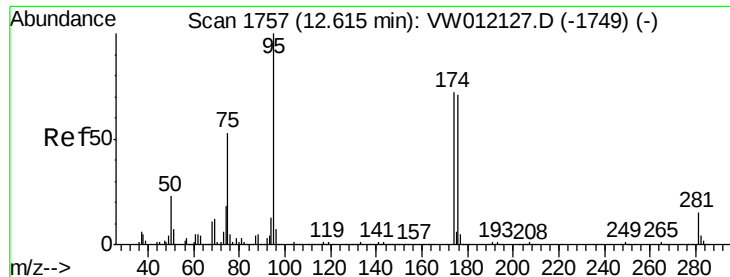
Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

43 100

58 26.5 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 21.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-K3-(1.9)RE

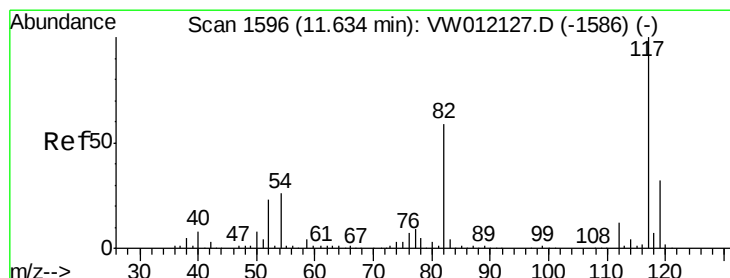
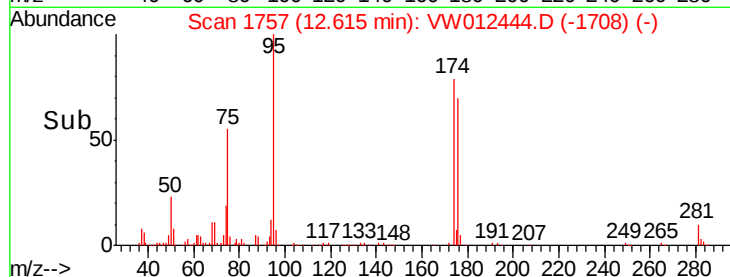
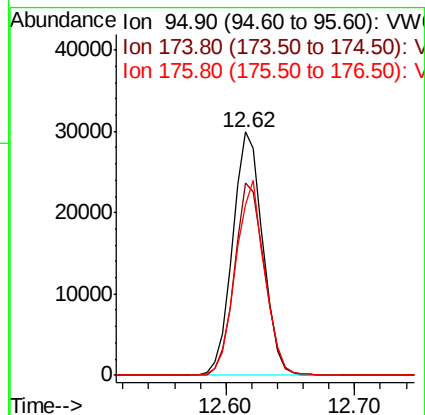
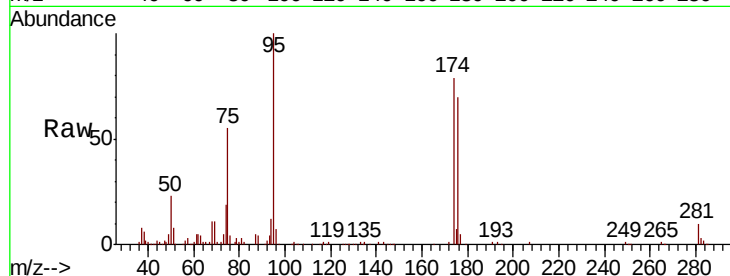
Tgt Ion: 95 Resp: 48720

Ion Ratio Lower Upper

95 100

174 79.1 0.0 150.8

176 77.1 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: VW012444.D

Acq: 01 Sep 2019 13:31

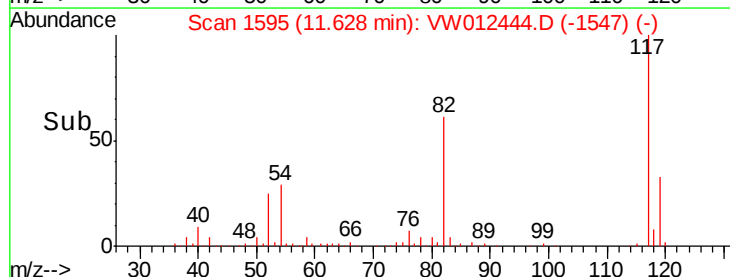
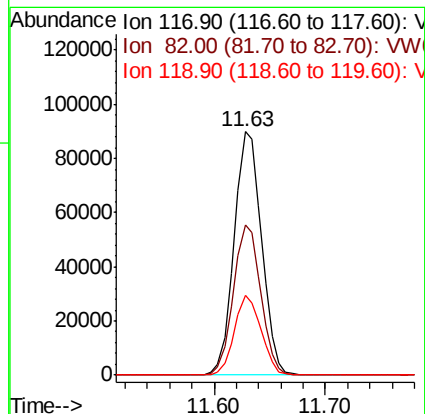
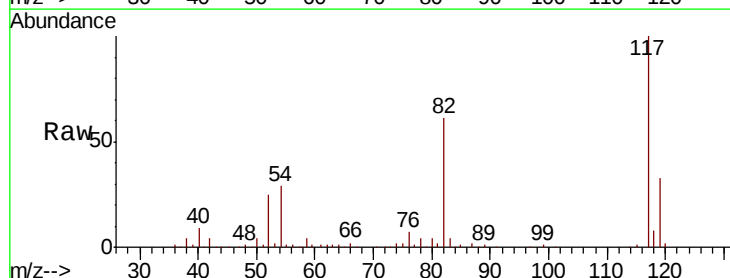
Tgt Ion: 117 Resp: 153650

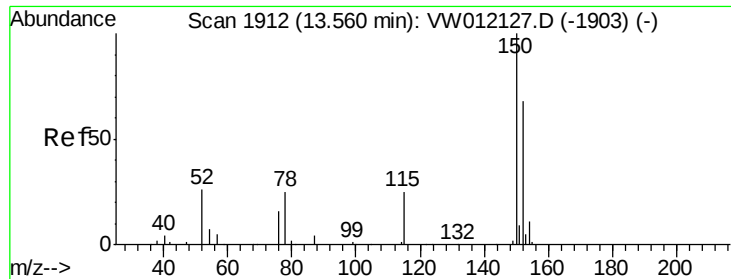
Ion Ratio Lower Upper

117 100

82 61.5 47.4 71.2

119 32.6 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: VW012444.D

Acq: 01 Sep 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-K3-(1.9)RE

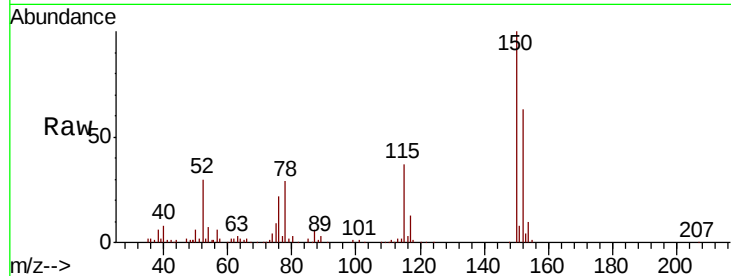
Tgt Ion:152 Resp: 29560

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

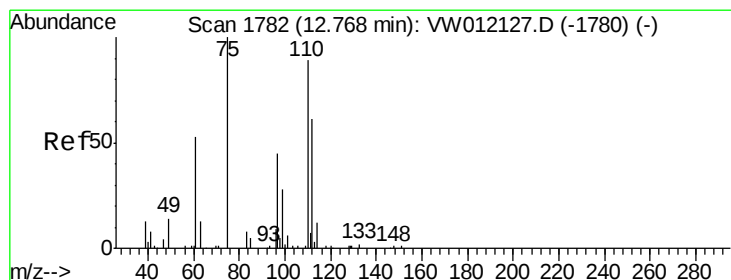
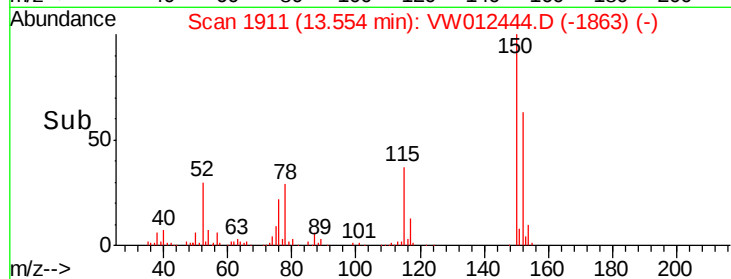
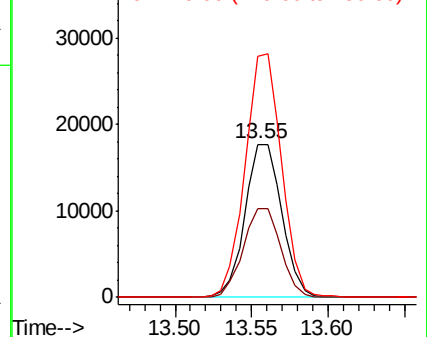
150 157.8 0.0 345.8



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: 95.035 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012444.D

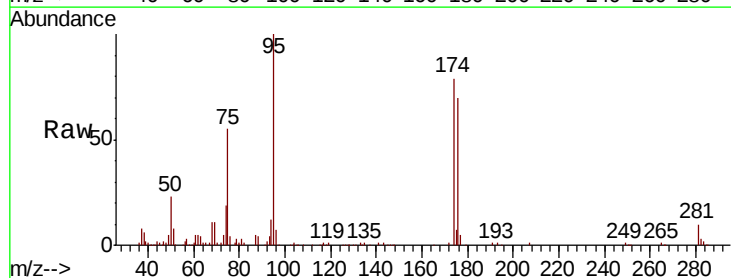
Acq: 01 Sep 2019 13:31

Tgt Ion: 75 Resp: 27360

Ion Ratio Lower Upper

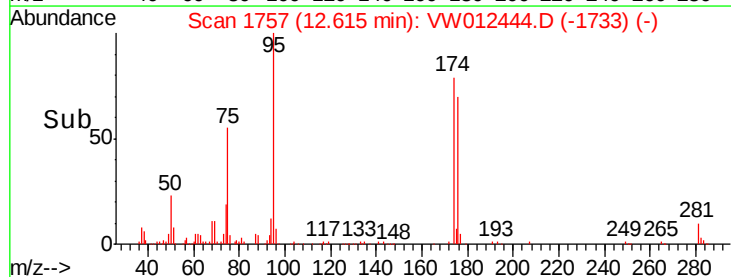
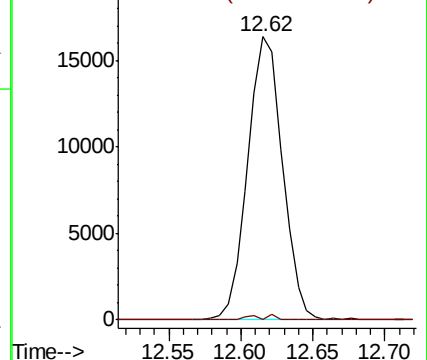
75 100

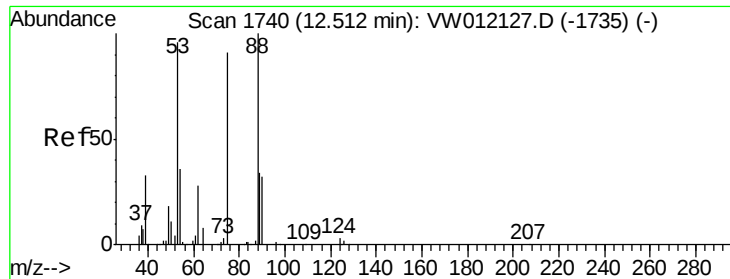
77 0.7 0.0 0.0#



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: 208.368 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-K3-(1.9)RE

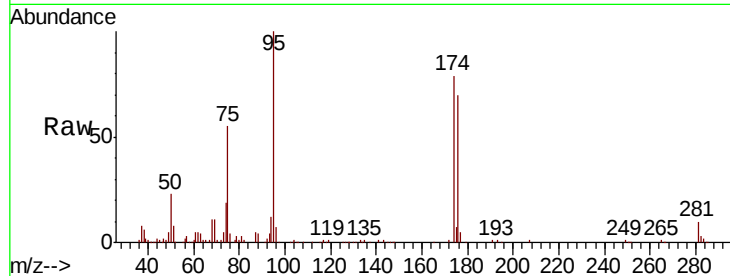
Tgt Ion: 75 Resp: 27360

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

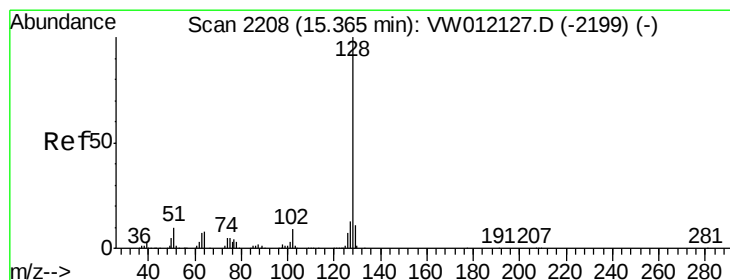
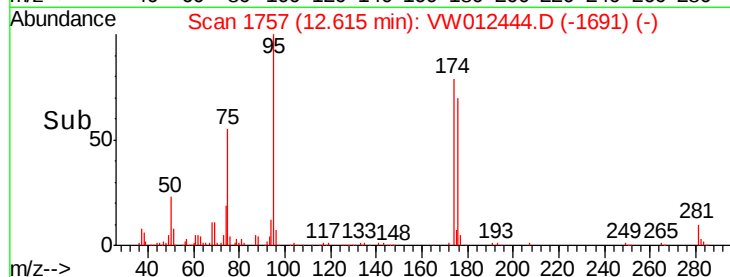
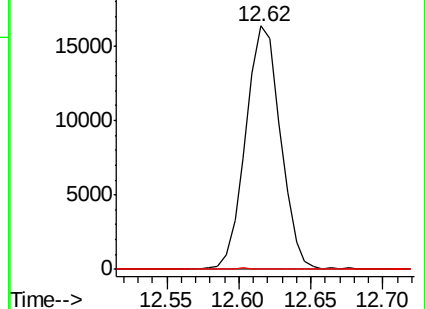
89 0.1 34.5 51.7#



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: 4.878 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012444.D

Acq: 01 Sep 2019 13:31

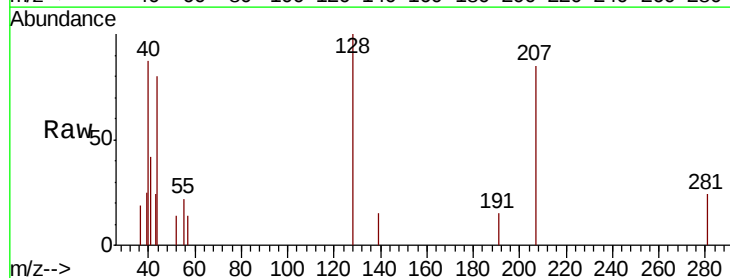
Tgt Ion: 128 Resp: 680

Ion Ratio Lower Upper

128 100

127 7.6 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

