

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012579.D
 Acq On : 04 Sep 2019 06:32
 Operator : SY/VA
 Sample : K4525-14
 Misc : 5.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B4-(0)

Quant Time: Sep 04 06:55:27 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	255882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	170715	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
35) Dibromofluoromethane	7.88	113	131054	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
50) Toluene-d8	10.32	98	510136	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	156680	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

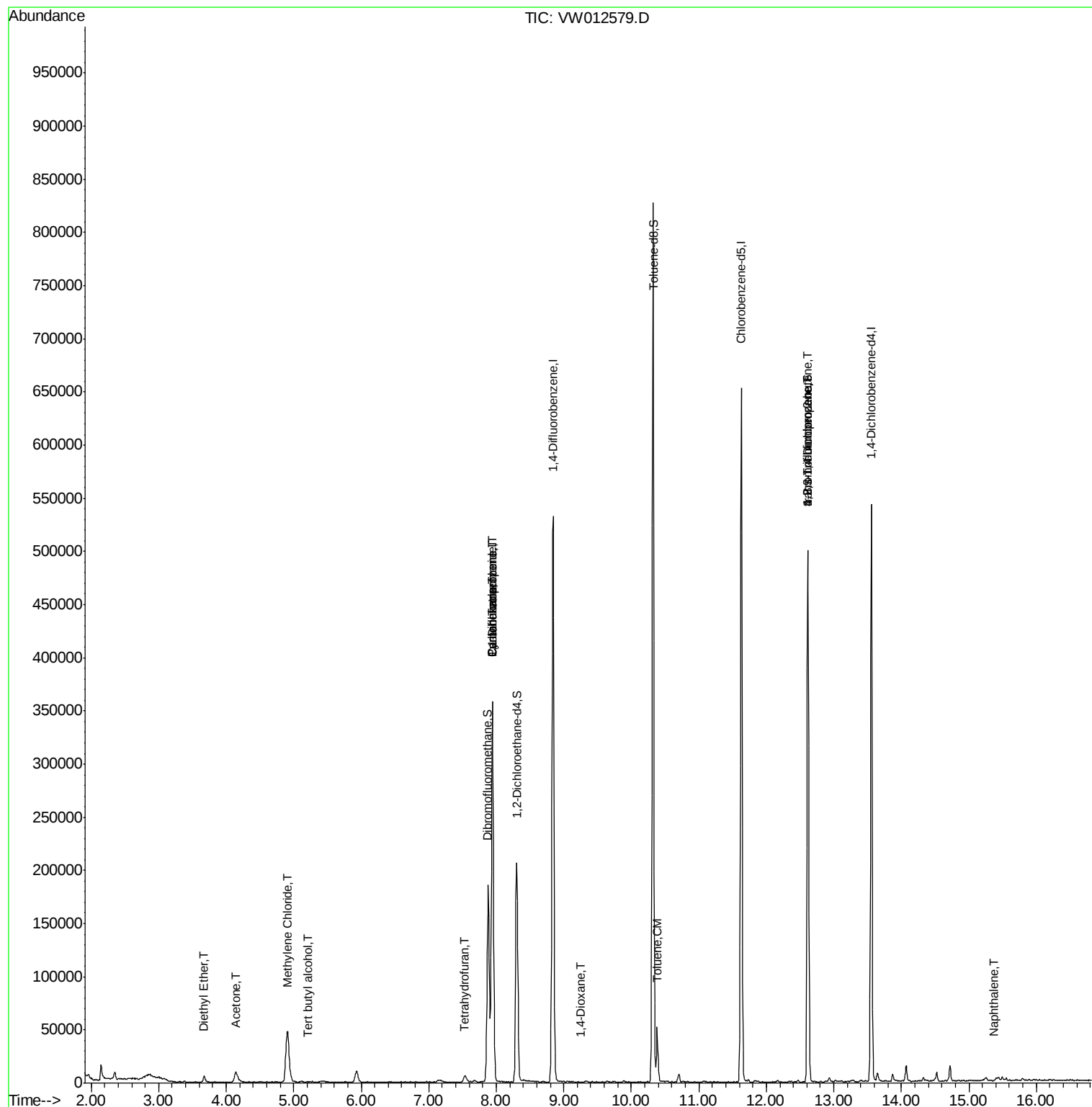
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2463	1.730	ug/l	72
11) Tert butyl alcohol	5.21	59	342	1.868	ug/l #	71
16) Acetone	4.14	43	21762	27.988	ug/l	92
20) Methylene Chloride	4.90	84	36404	12.385	ug/l	99
29) Tetrahydrofuran	7.53	42	5893	9.296	ug/l	94
31) Cyclohexane	7.95	56	6635	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21995	5.104	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25950	6.957	ug/l #	20
49) 1,4-Dioxane	9.25	88	42	1.947	ug/l #	49
52) Toluene	10.38	92	19707	2.788	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	86857	65.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86857	143.794	ug/l #	6
95) Naphthalene	15.37	128	198	4.356	ug/l #	69

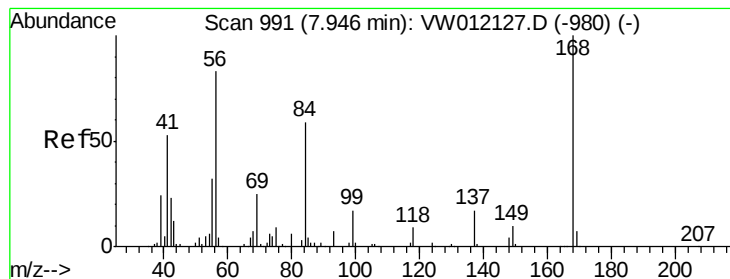
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012579.D

Acq: 04 Sep 2019 06:32

Instrument :

MSVOA_W

ClientSampleId :

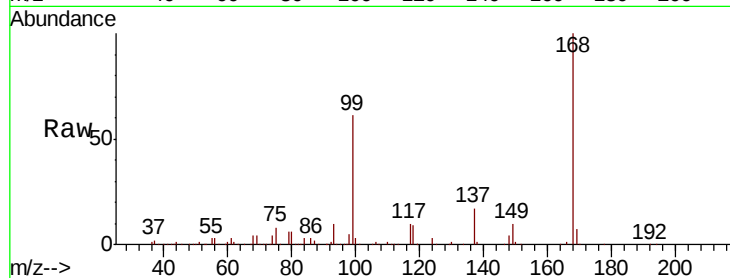
T9-12-13-B4-(0)

Tgt Ion:168 Resp: 255882

Ion Ratio Lower Upper

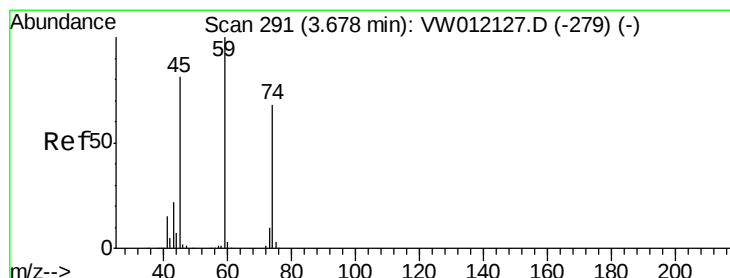
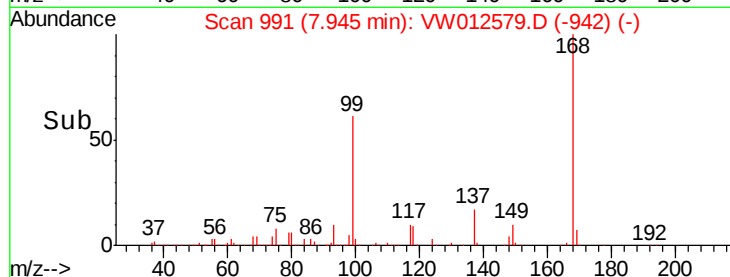
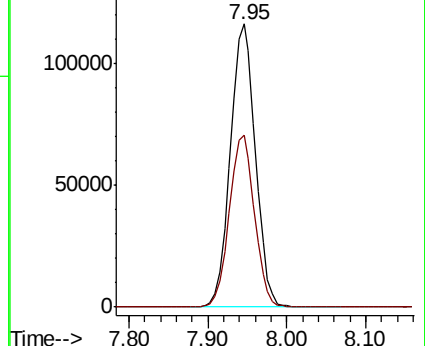
168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.730 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012579.D

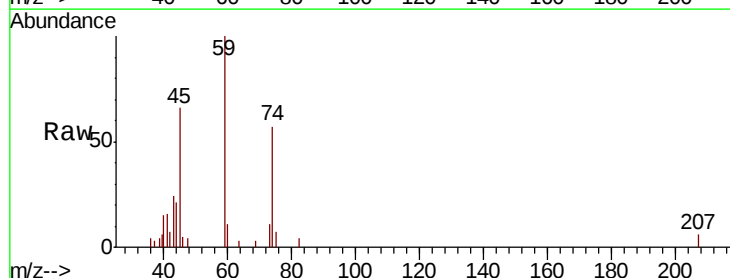
Acq: 04 Sep 2019 06:32

Tgt Ion: 74 Resp: 2463

Ion Ratio Lower Upper

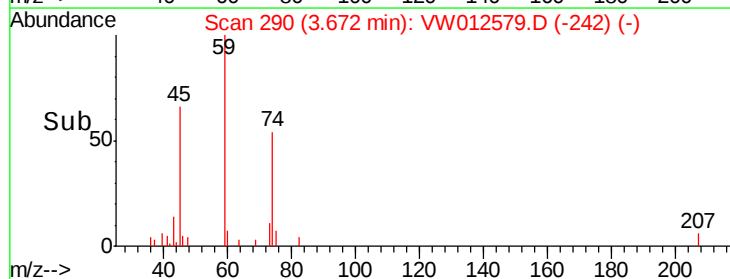
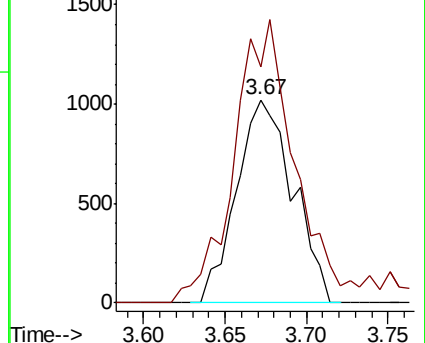
74 100

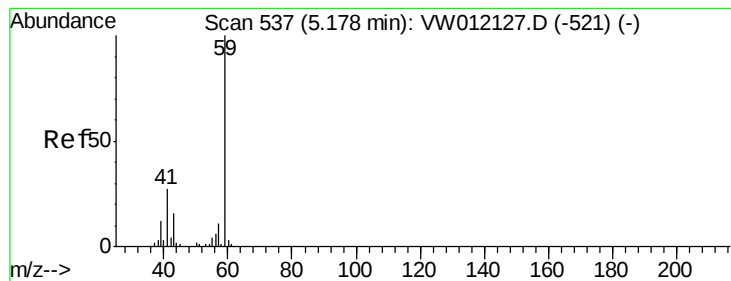
45 148.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



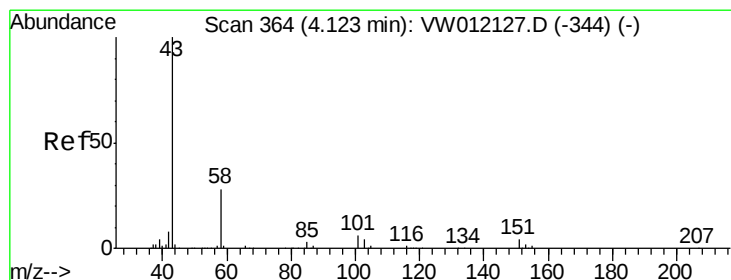
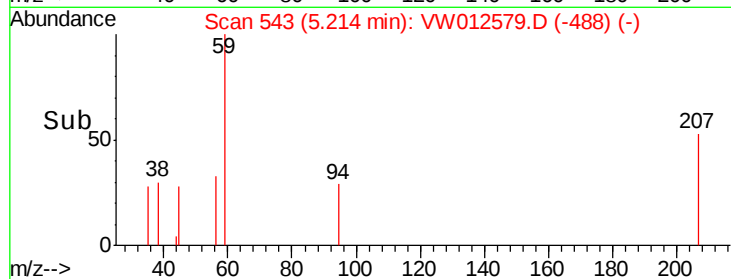
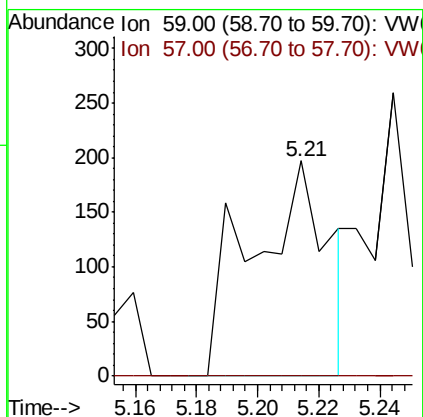
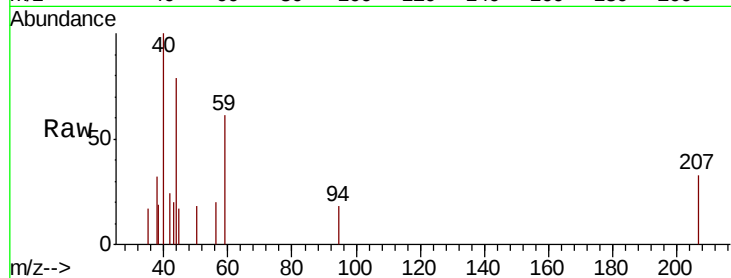


#11

Tert butyl alcohol
Concen: 1.868 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

Instrument :
MSVOA_W
ClientSampled :
T9-12-13-B4-(0)

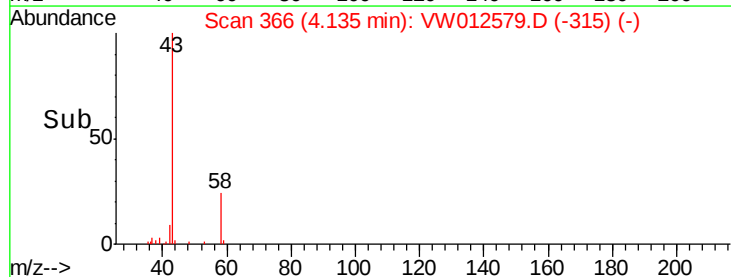
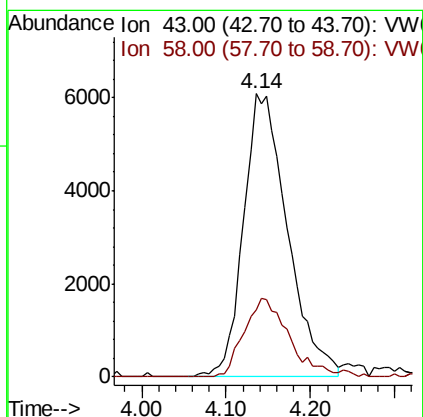
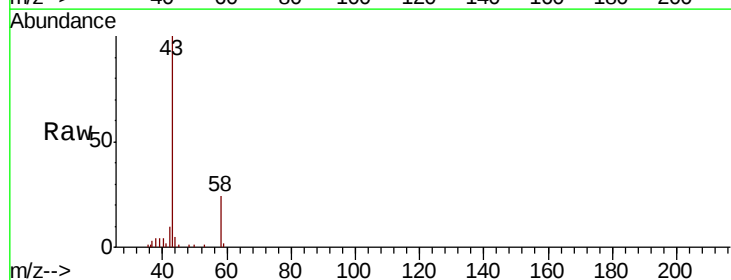
Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

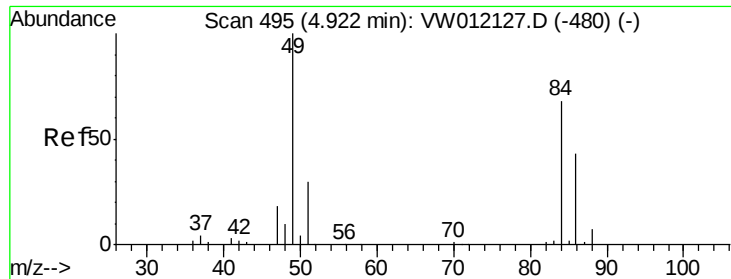


#16

Acetone
Concen: 27.988 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

Tgt Ion: 43 Resp: 21762
Ion Ratio Lower Upper
43 100
58 23.6 22.4 33.6

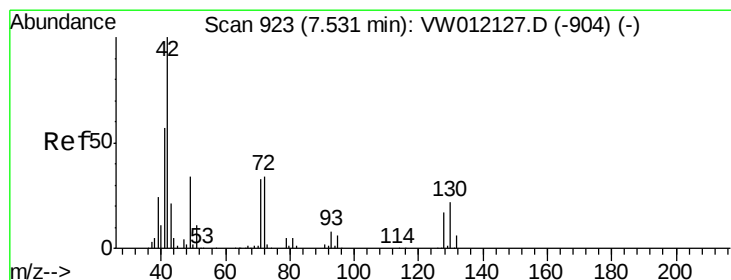
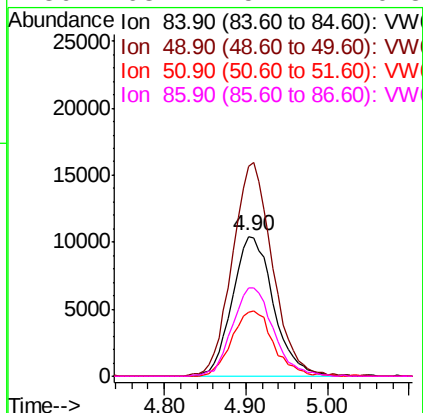
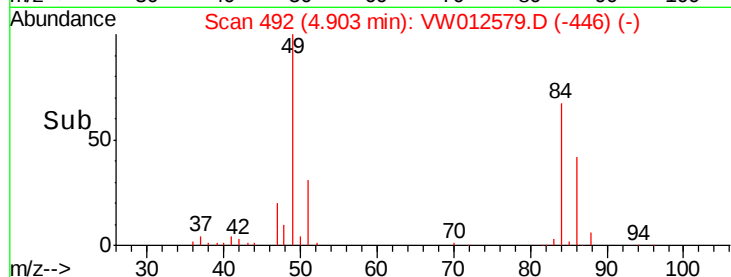
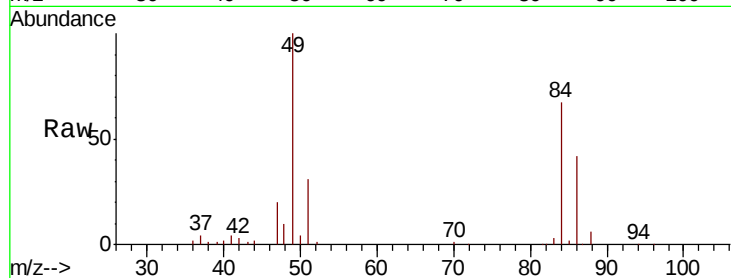




#20
Methylene Chloride
Concen: 12.385 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

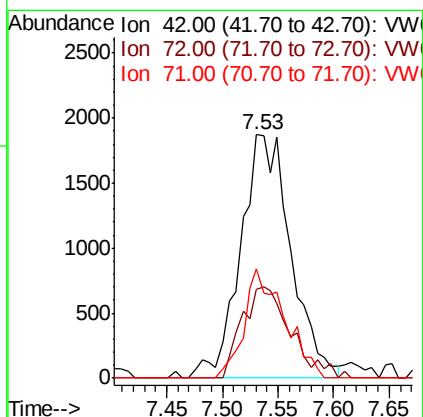
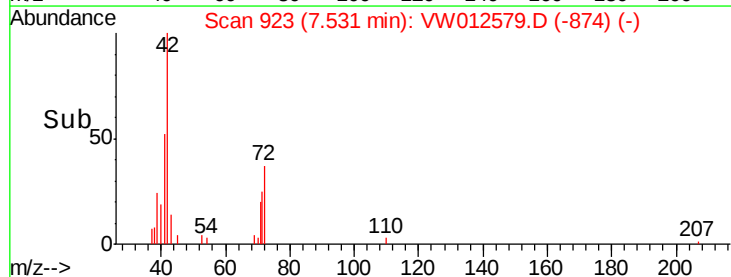
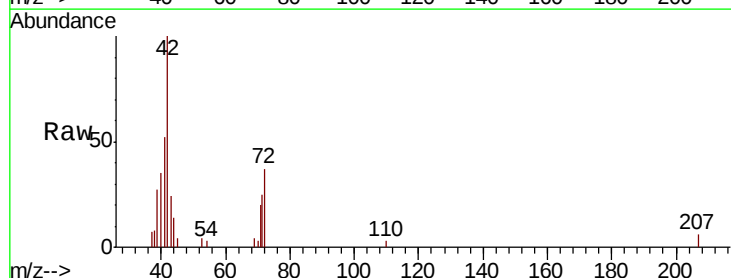
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B4-(0)

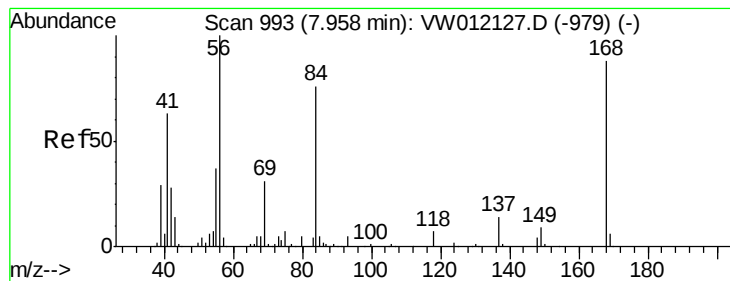
Tgt Ion: 84 Resp: 36404
Ion Ratio Lower Upper
84 100
49 149.1 117.8 176.8
51 46.0 35.6 53.4
86 63.4 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.296 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

Tgt Ion: 42 Resp: 5893
Ion Ratio Lower Upper
42 100
72 36.3 27.3 40.9
71 36.0 25.5 38.3





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B4-(0)

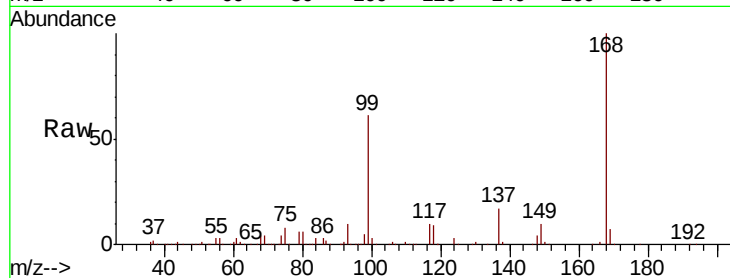
Tgt Ion: 56 Resp: 6635

Ion Ratio Lower Upper

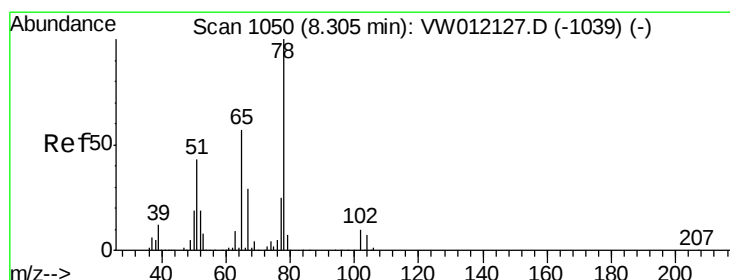
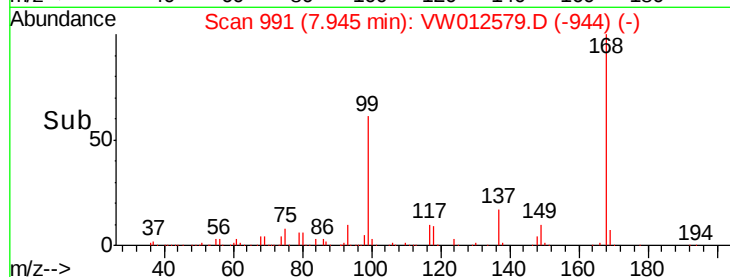
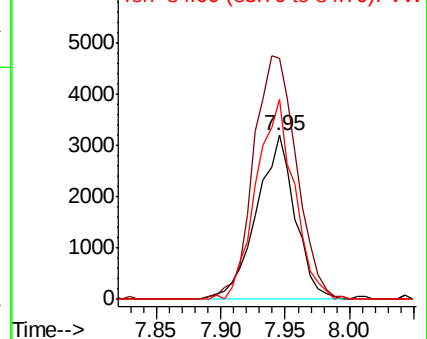
56 100

69 146.5 24.9 37.3#

84 121.6 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: 56.123 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012579.D

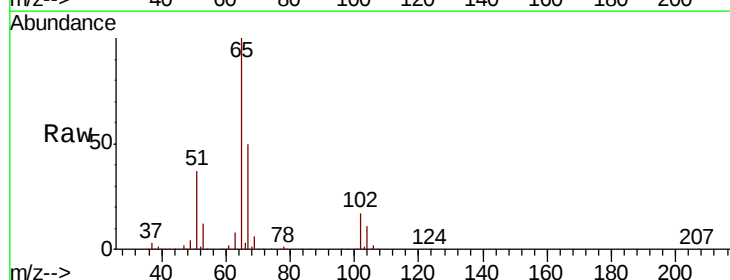
Acq: 04 Sep 2019 06:32

Tgt Ion: 65 Resp: 170715

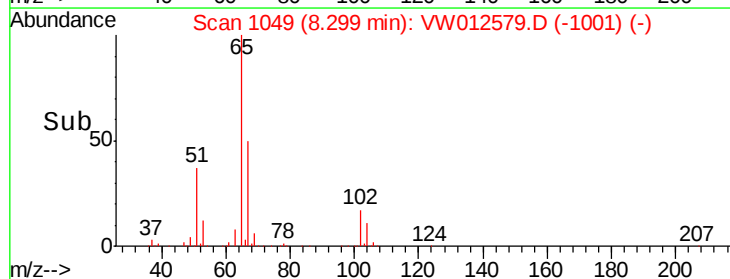
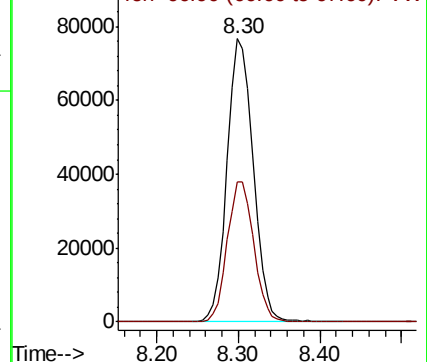
Ion Ratio Lower Upper

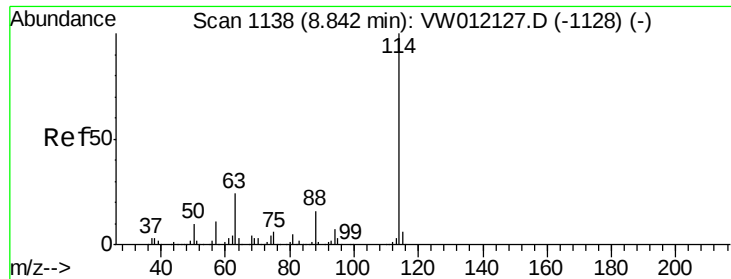
65 100

67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

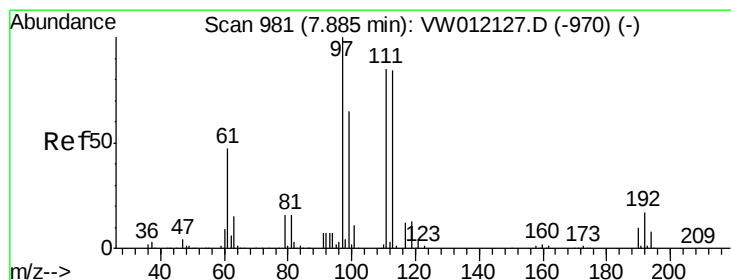
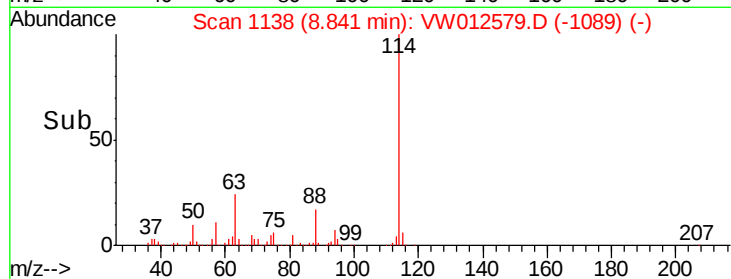
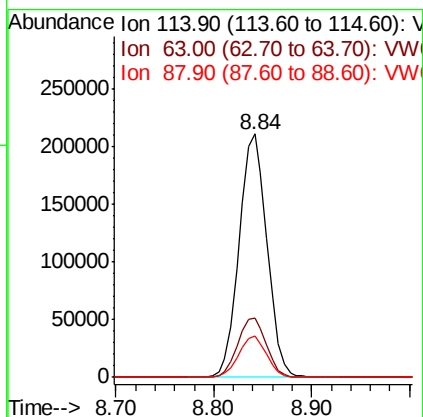
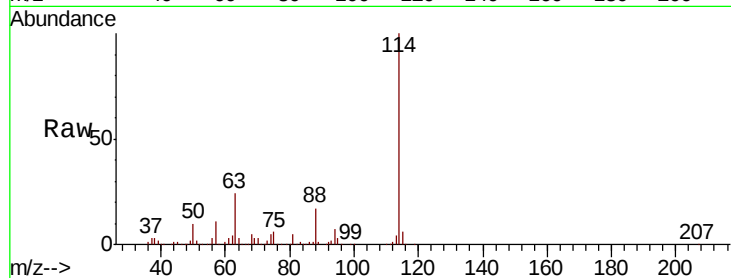




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012579.D
 Acq: 04 Sep 2019 06:32

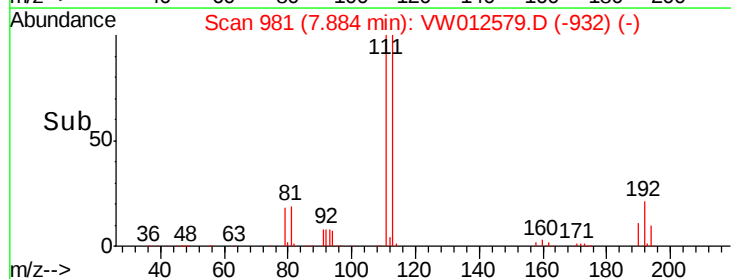
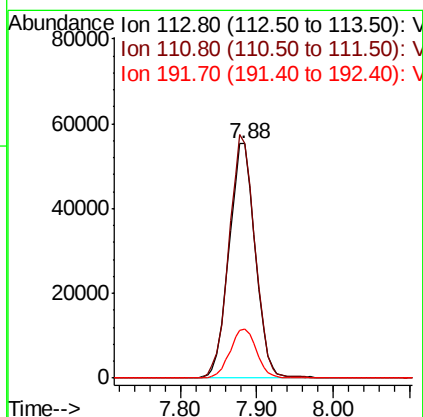
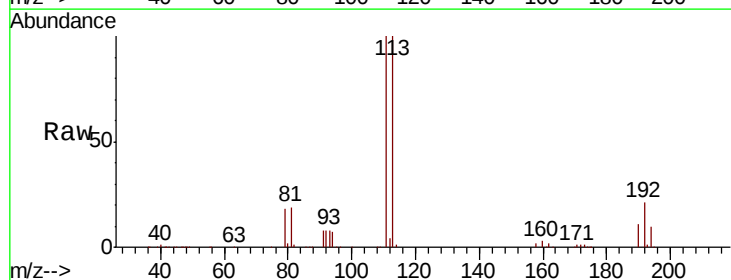
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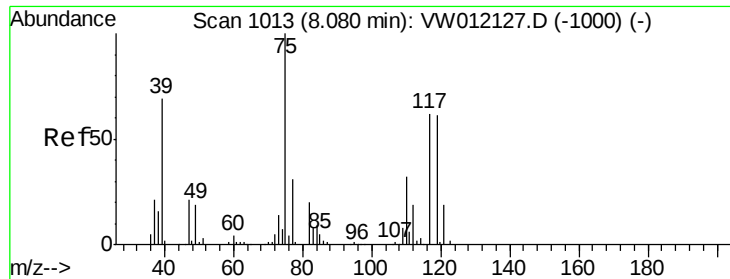
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	48.6
88	17.0	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 52.649 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012579.D
 Acq: 04 Sep 2019 06:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	21.3	16.2	24.2

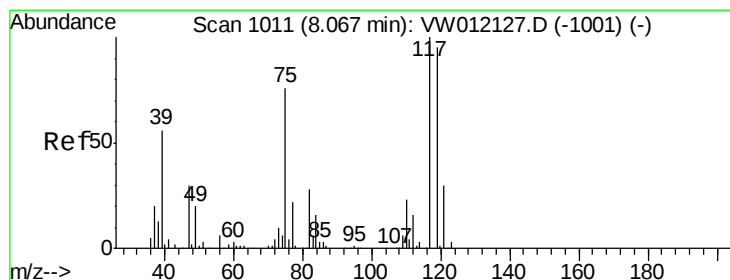
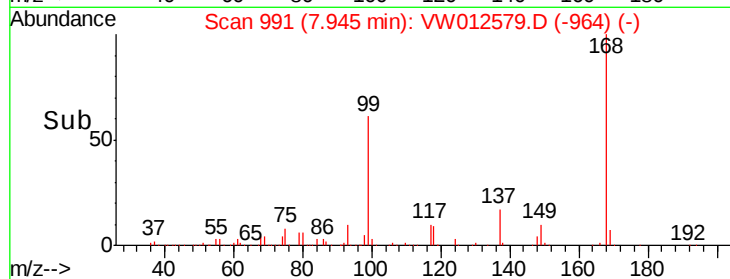
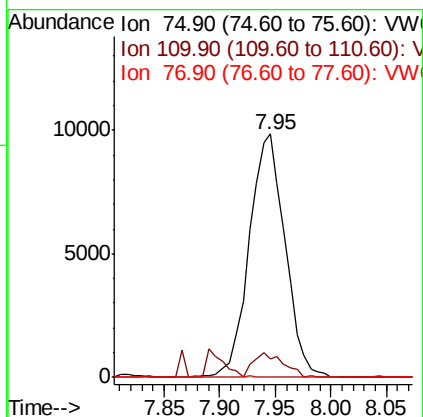
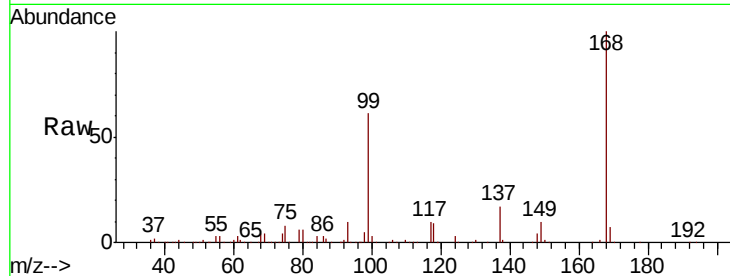




#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012579.D
 Acq: 04 Sep 2019 06:32

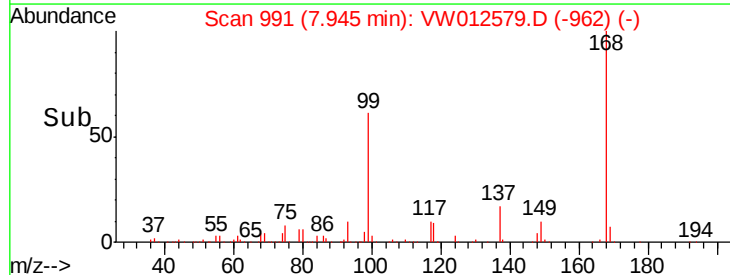
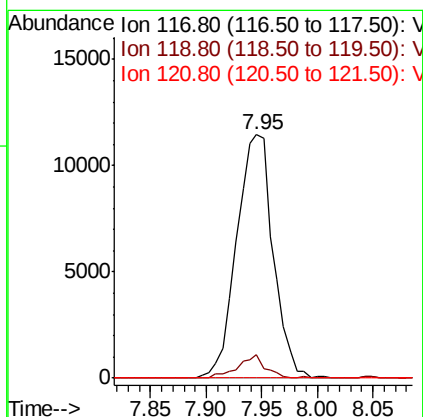
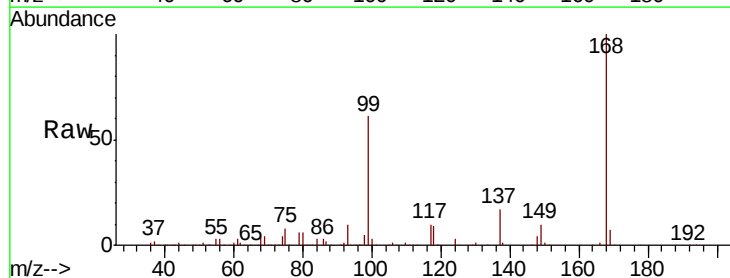
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 T9-12-13-B4-(0)

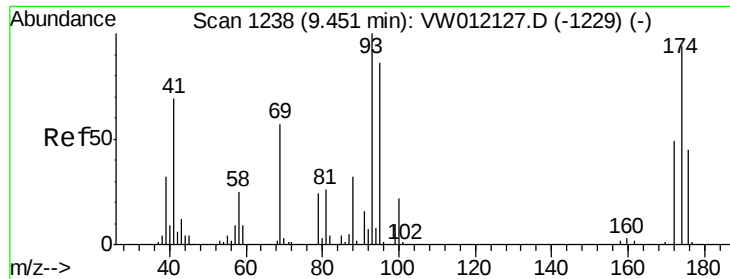
Tgt Ion: 75 Resp: 21995
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.957 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012579.D
 Acq: 04 Sep 2019 06:32

Tgt Ion: 117 Resp: 25950
 Ion Ratio Lower Upper
 117 100
 119 9.7 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.947 ug/l

RT: 9.25 min Scan# 1205

Delta R.T. -0.20 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

Instrument :

MSVOA_W

ClientSampled :

T9-12-13-B4-(0)

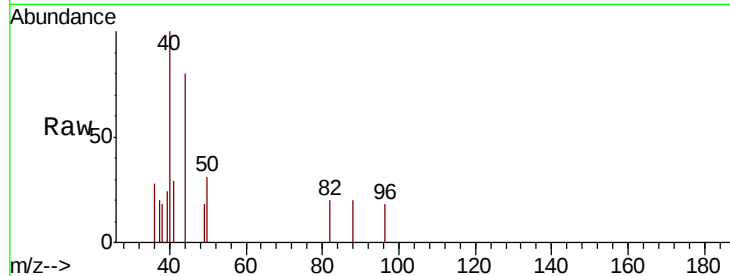
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

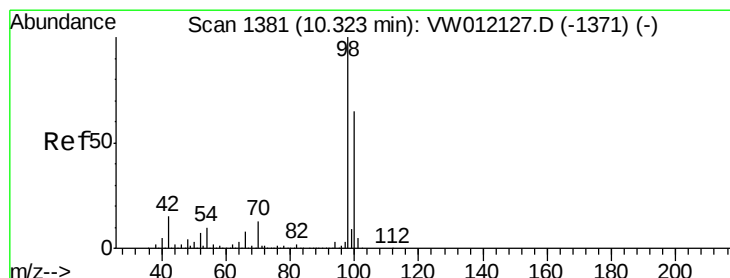
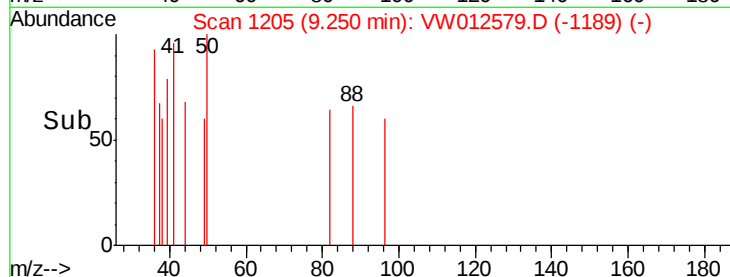
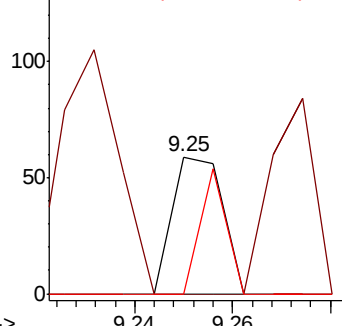
58 47.6 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.544 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012579.D

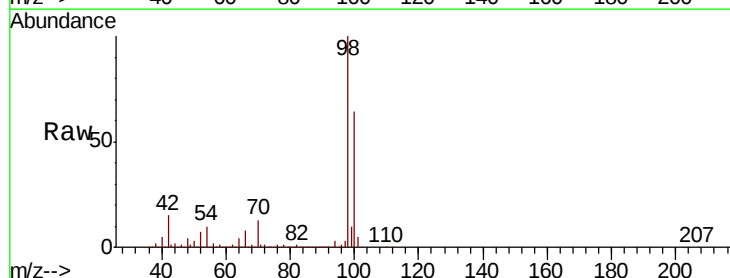
Acq: 04 Sep 2019 06:32

Tgt Ion: 98 Resp: 510136

Ion Ratio Lower Upper

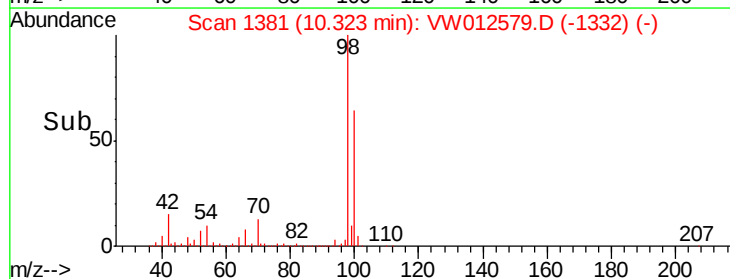
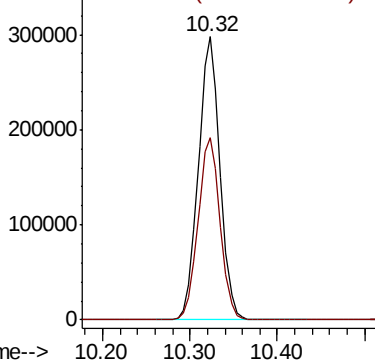
98 100

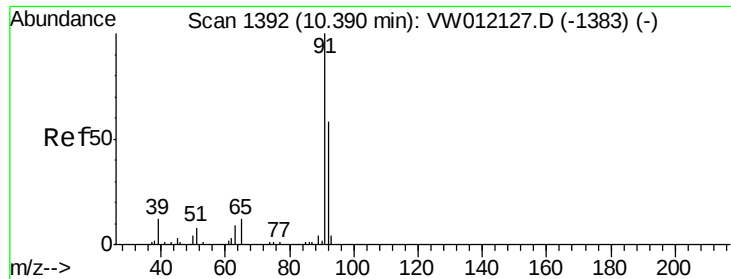
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.788 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

Instrument :

MSVOA_W

ClientSampleId :

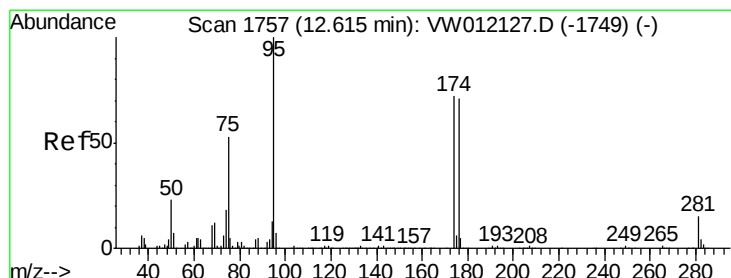
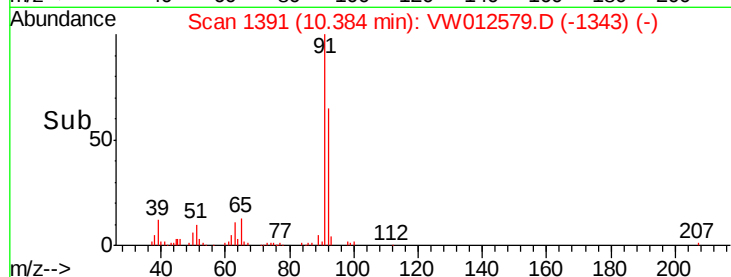
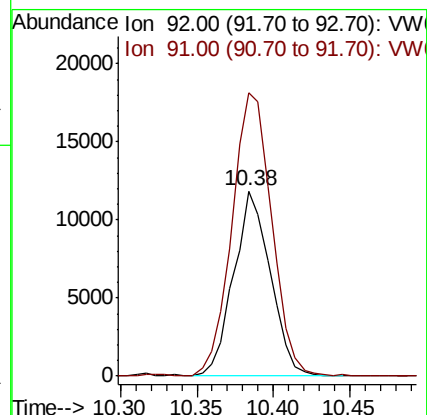
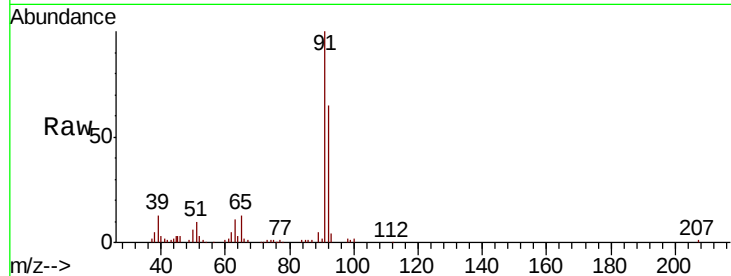
T9-12-13-B4-(0)

Tgt Ion: 92 Resp: 19707

Ion Ratio Lower Upper

92 100

91 166.2 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 44.039 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

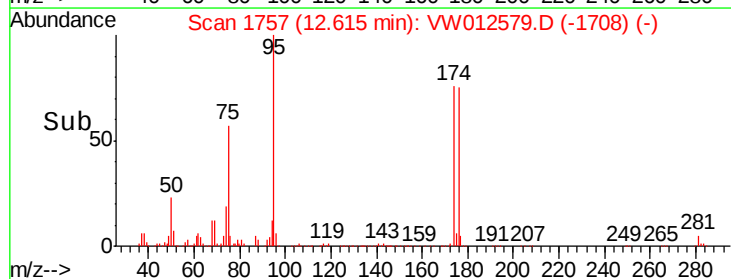
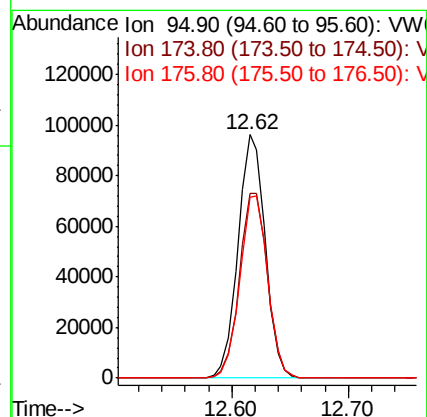
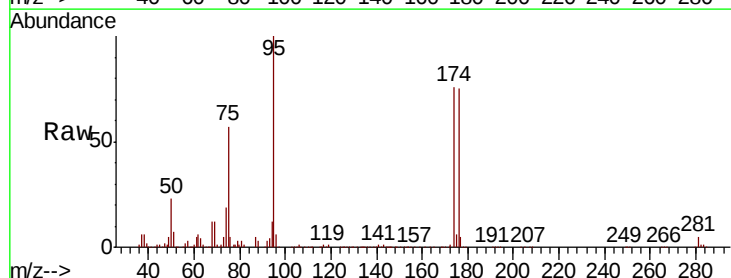
Tgt Ion: 95 Resp: 156680

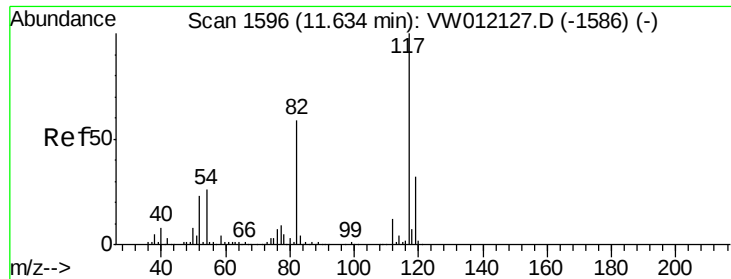
Ion Ratio Lower Upper

95 100

174 78.3 0.0 150.8

176 76.7 0.0 148.6

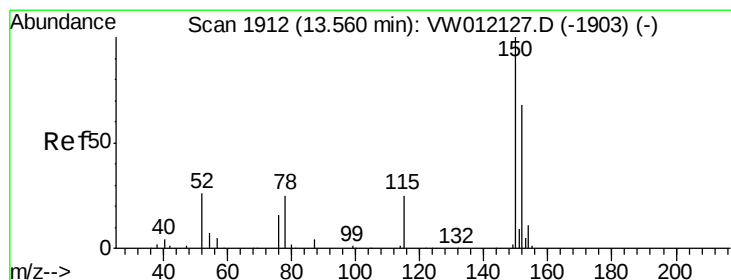
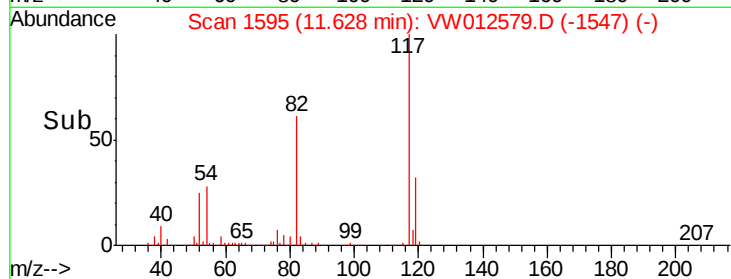
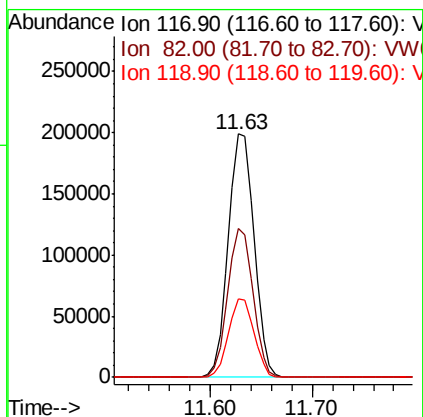
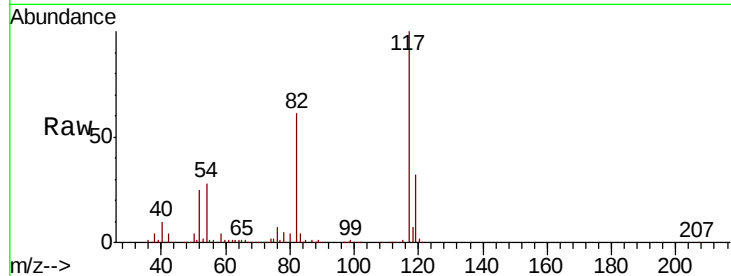




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

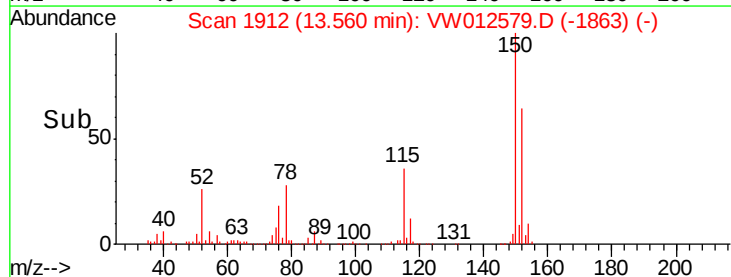
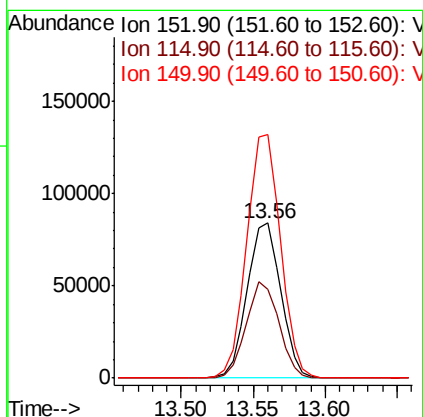
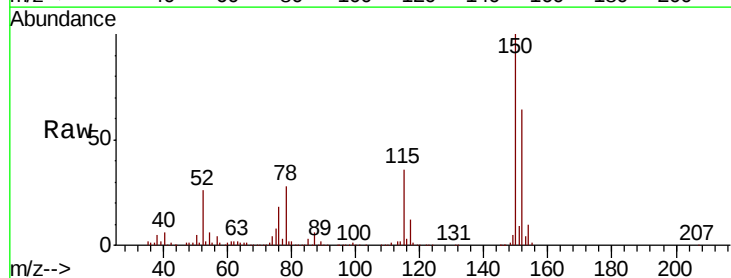
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B4-(0)

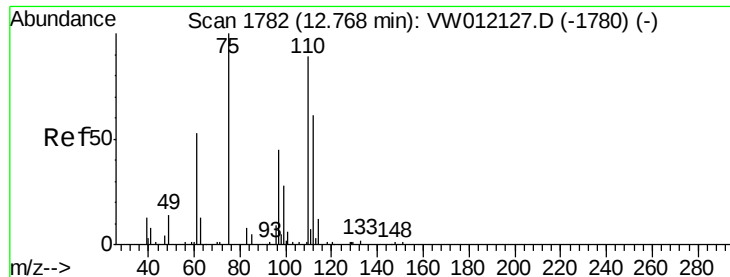
Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.4	71.2
119	32.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	157.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 65.583 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

Instrument :

MSVOA_W

ClientSampleId :

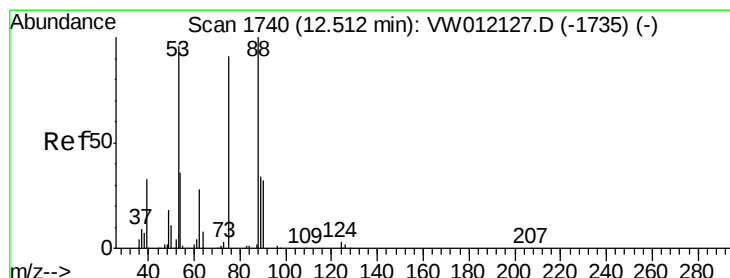
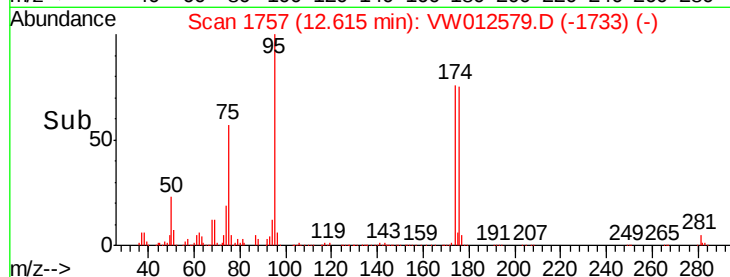
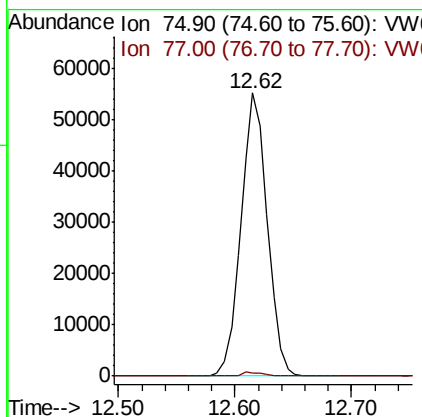
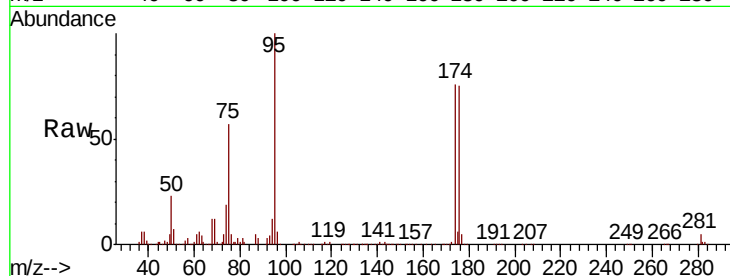
T9-12-13-B4-(0)

Tgt Ion: 75 Resp: 86857

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.794 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012579.D

Acq: 04 Sep 2019 06:32

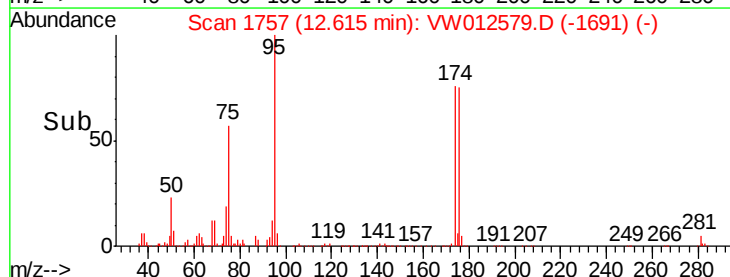
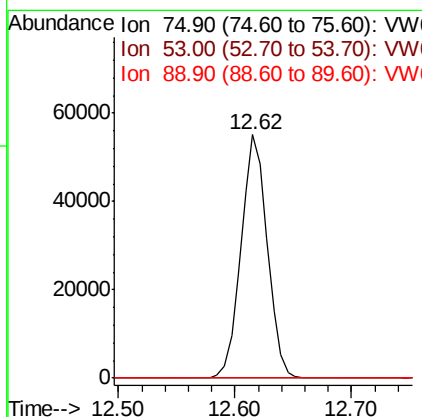
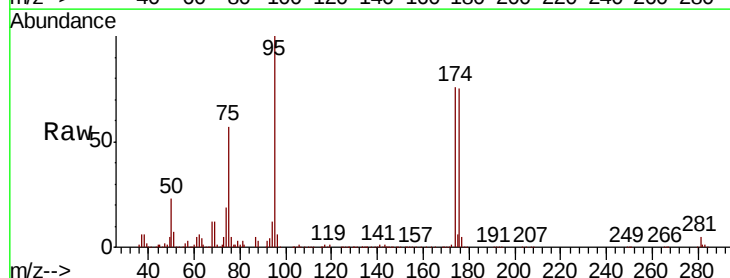
Tgt Ion: 75 Resp: 86857

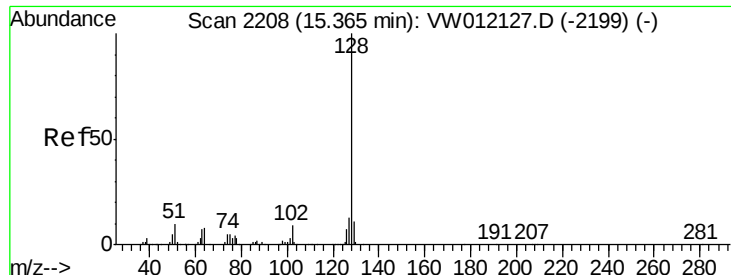
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#

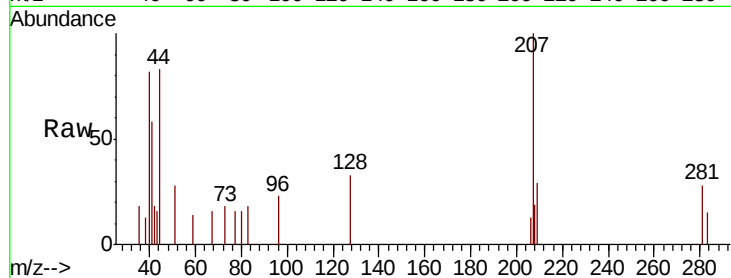




#95
Naphthalene
Concen: 4.356 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012579.D
Acq: 04 Sep 2019 06:32

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B4-(0)

Tgt 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

