

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012508.D
 Acq On : 02 Sep 2019 19:11
 Operator : SY/VA
 Sample : K4529-06RE
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T3-(1.9)

Quant Time: Sep 03 07:41:35 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	217325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129338	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.88	113	104228	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.32	98	416879	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	126953	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

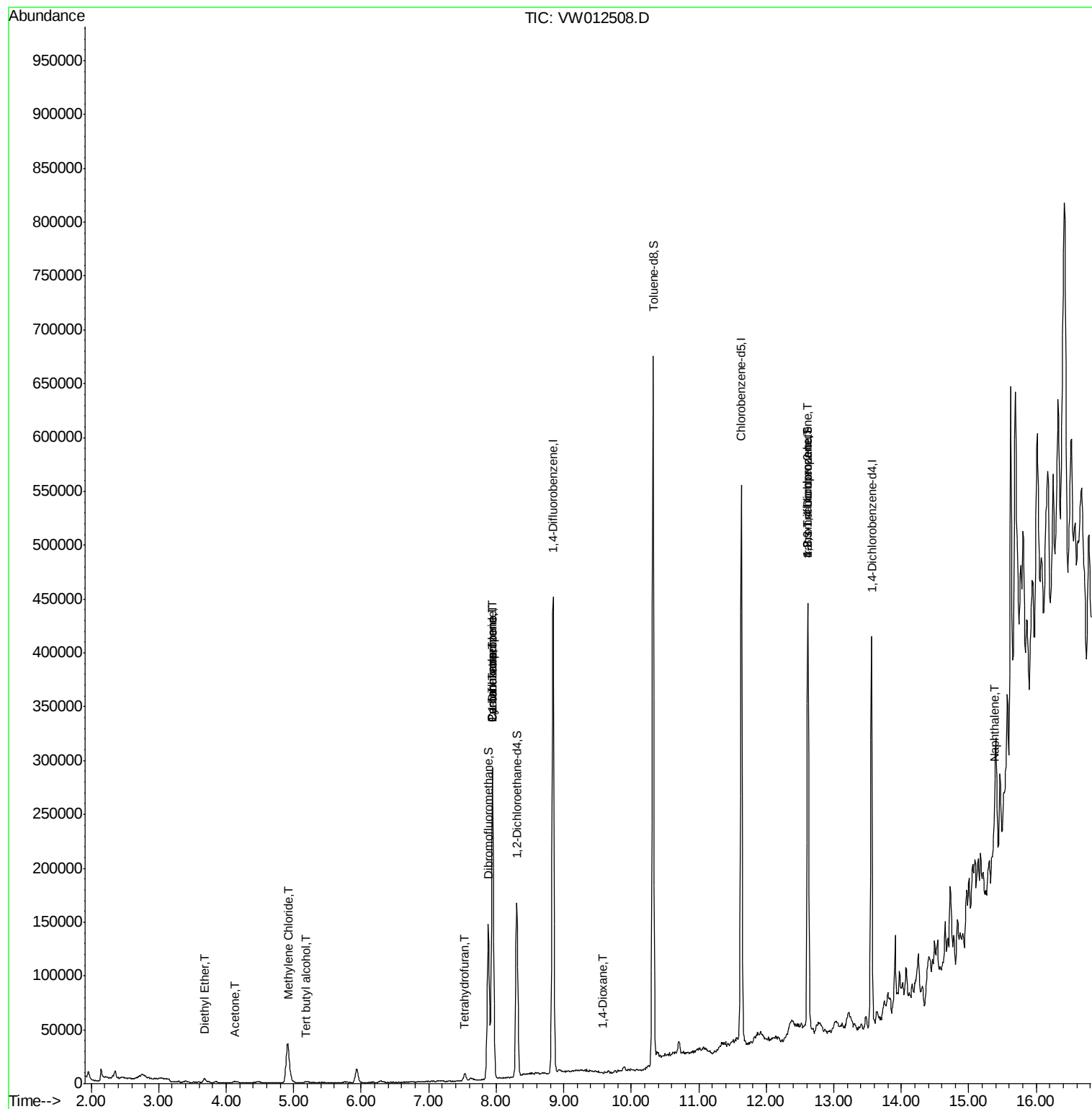
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1954	1.616	ug/l	83
11) Tert butyl alcohol	5.18	59	604	3.885	ug/l #	83
16) Acetone	4.13	43	3021	4.575	ug/l #	88
20) Methylene Chloride	4.92	84	28615	11.462	ug/l	92
29) Tetrahydrofuran	7.54	42	6120	11.367	ug/l	96
31) Cyclohexane	7.95	56	5681	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17590	4.819	ug/l #	53
38) Carbon Tetrachloride	7.95	117	21473	6.797	ug/l #	17
49) 1,4-Dioxane	9.59	88	23	1.259	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66522	70.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66522	154.756	ug/l #	6
95) Naphthalene	15.38	128	708	4.498	ug/l #	77

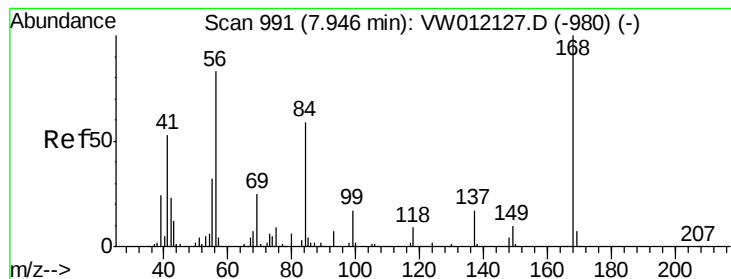
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012508.D

Acq: 02 Sep 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

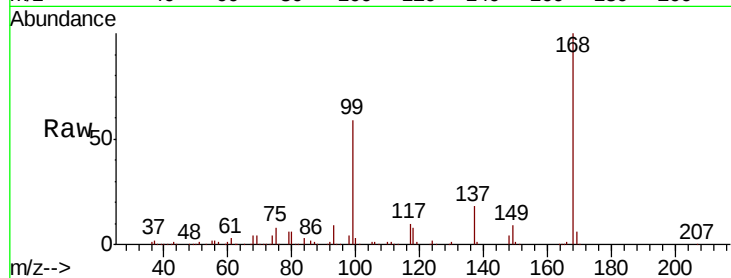
T9-12-13-T3-(1.9)

Tgt Ion:168 Resp: 217325

Ion Ratio Lower Upper

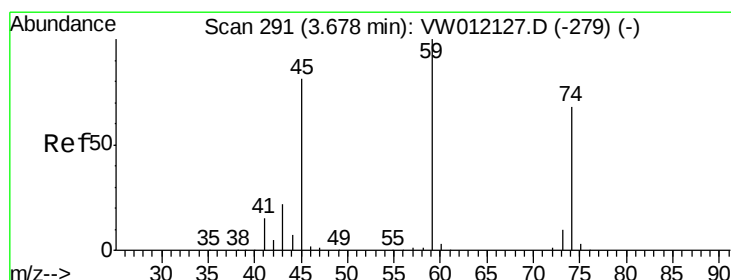
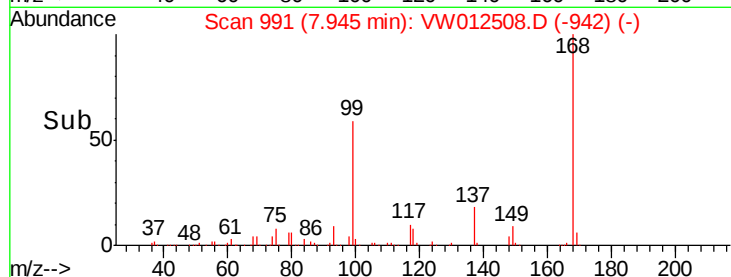
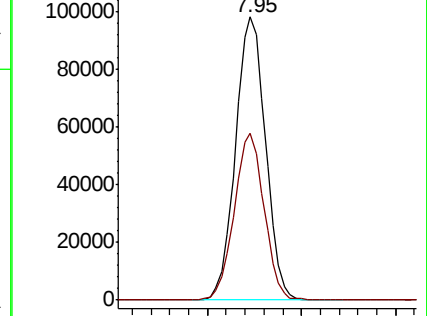
168 100

99 58.9 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: 1.616 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012508.D

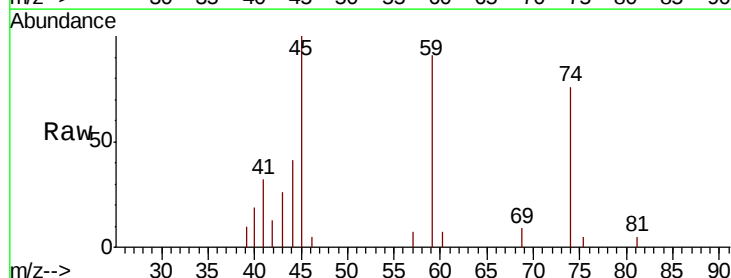
Acq: 02 Sep 2019 19:11

Tgt Ion: 74 Resp: 1954

Ion Ratio Lower Upper

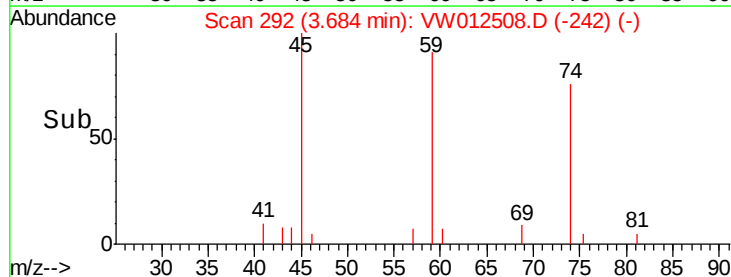
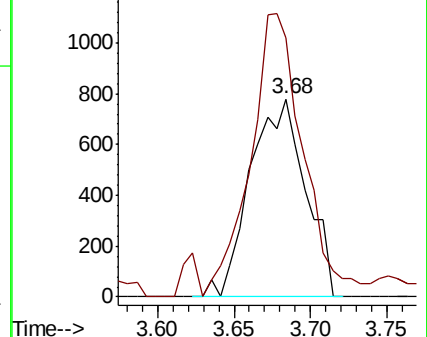
74 100

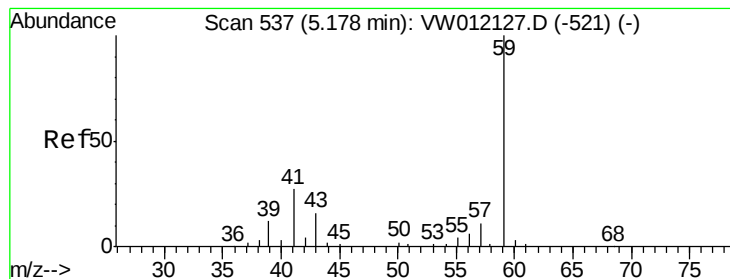
45 136.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



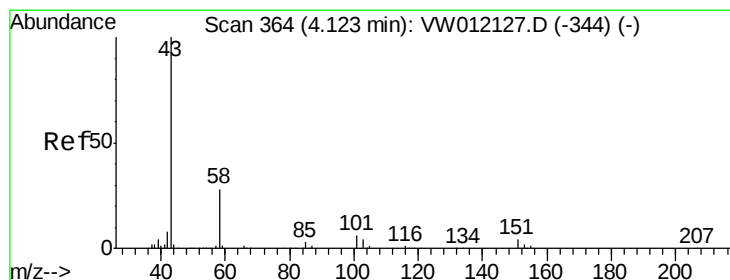
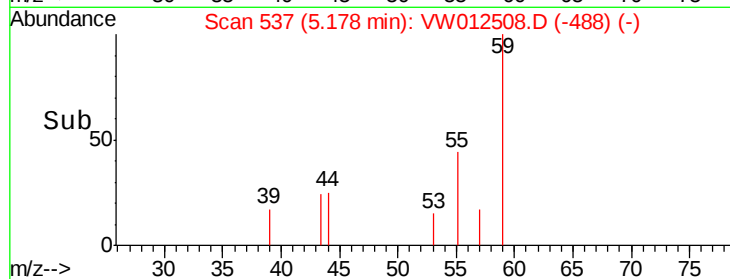
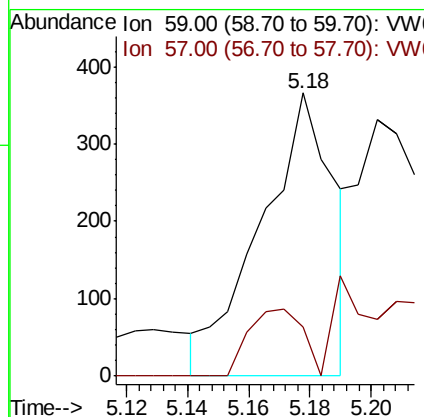
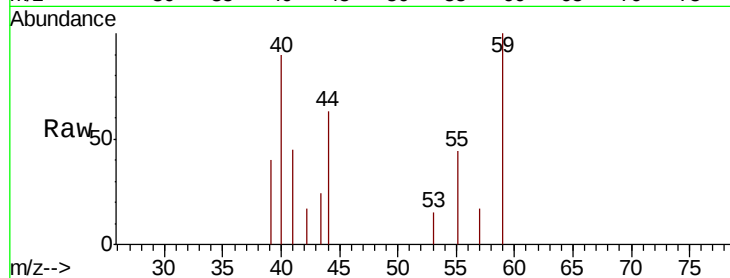


#11

Tert butyl alcohol
 Concen: 3.885 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T3-(1.9)

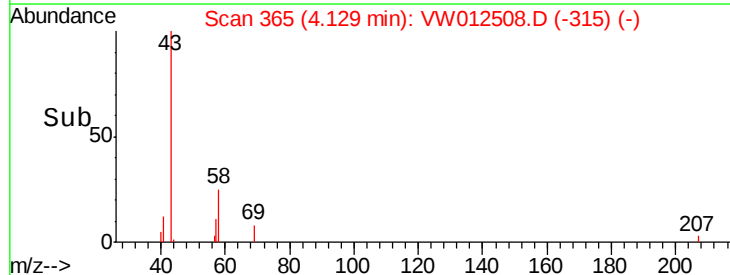
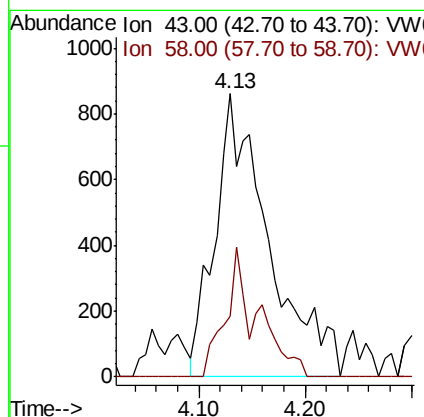
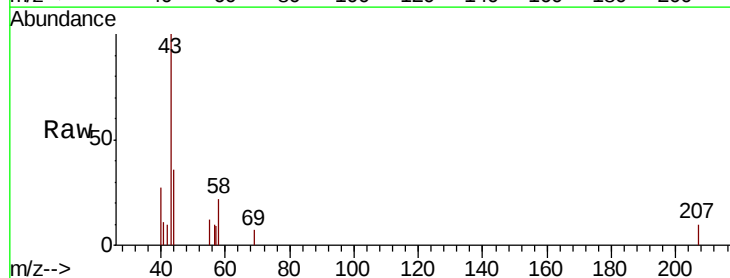
Tgt Ion: 59 Resp: 604
 Ion Ratio Lower Upper
 59 100
 57 17.5 9.0 13.4#

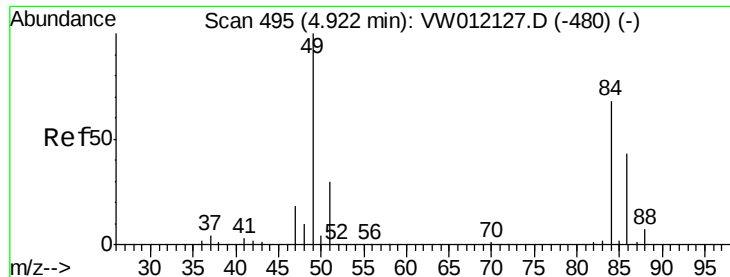


#16

Acetone
 Concen: 4.575 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

Tgt Ion: 43 Resp: 3021
 Ion Ratio Lower Upper
 43 100
 58 21.6 22.4 33.6#

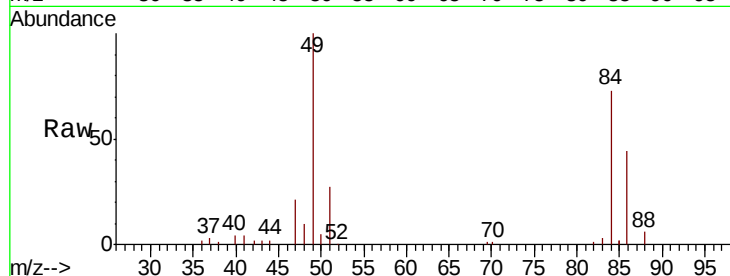




#20
Methylene Chloride
Concen: 11.462 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012508.D
Acq: 02 Sep 2019 19:11

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T3-(1.9)

Tgt Ion:	84	Resp:	28615
Ion	Ratio	Lower	Upper
84	100		
49	137.4	117.8	176.8
51	37.5	35.6	53.4
86	60.6	51.2	76.8



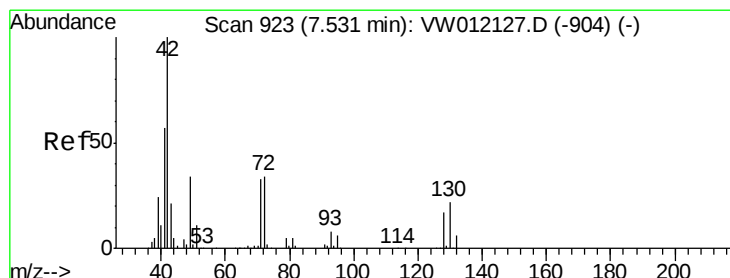
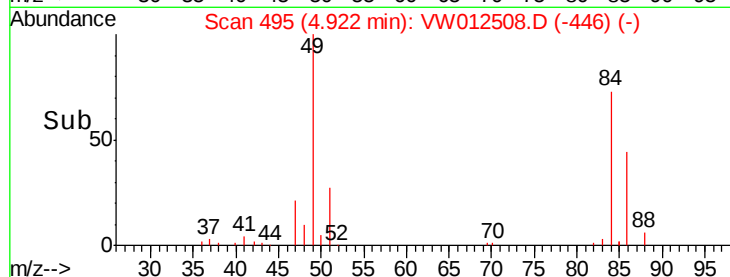
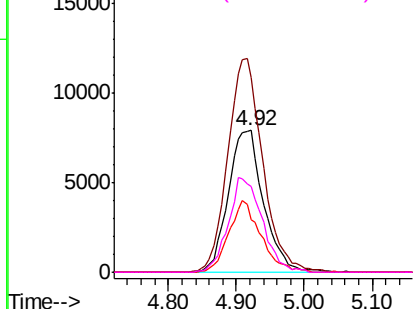
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

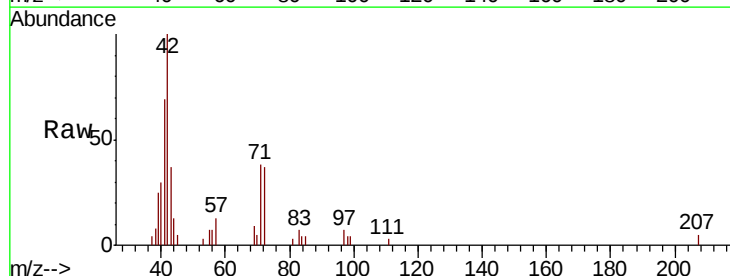
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 11.367 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012508.D
Acq: 02 Sep 2019 19:11

Tgt Ion:	42	Resp:	6120
Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.3	40.9
71	36.5	25.5	38.3

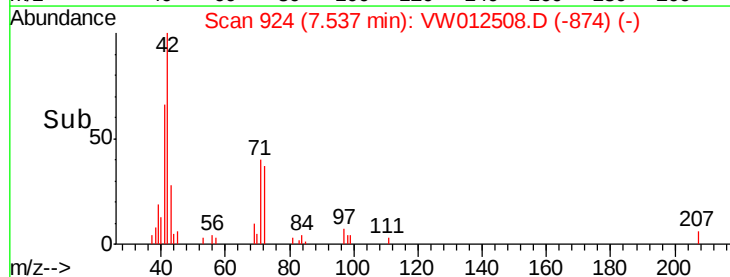
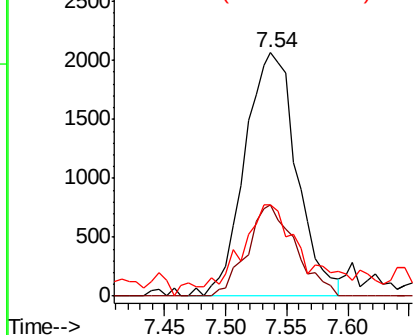


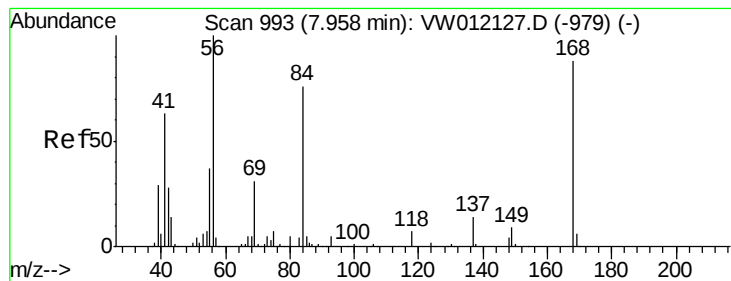
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012508.D

Acq: 02 Sep 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T3-(1.9)

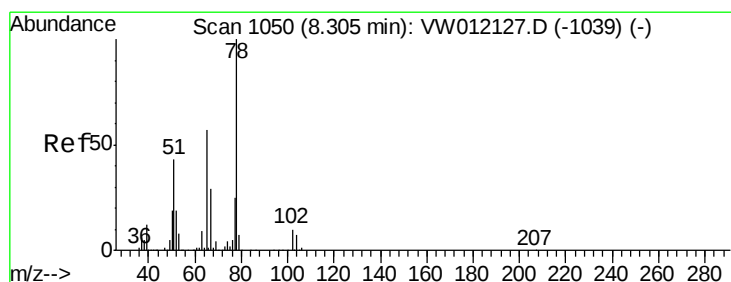
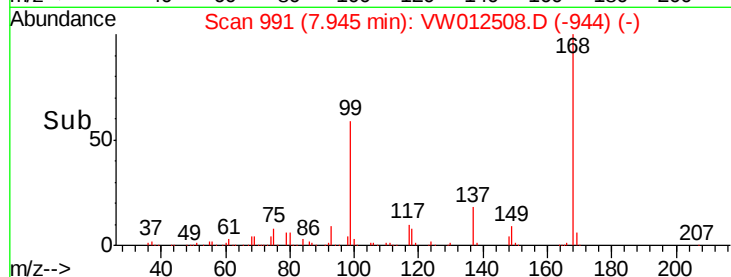
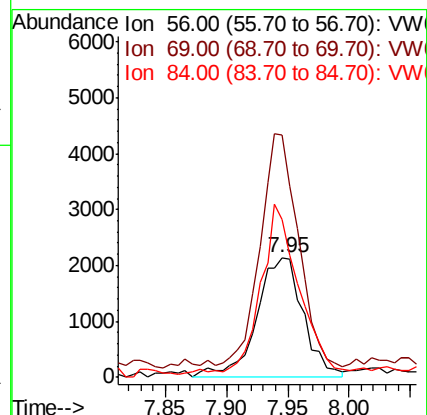
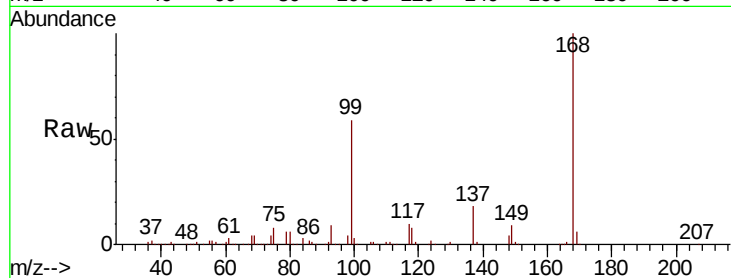
Tgt Ion: 56 Resp: 5681

Ion Ratio Lower Upper

56 100

69 193.6 24.9 37.3#

84 127.3 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 50.064 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012508.D

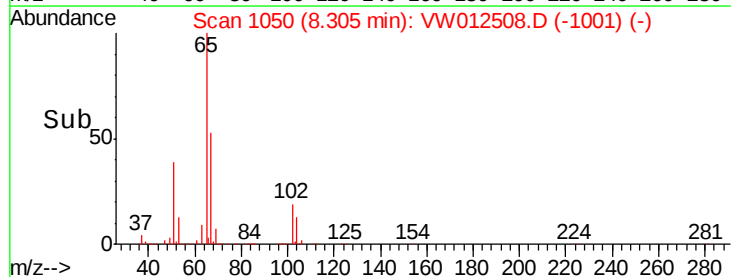
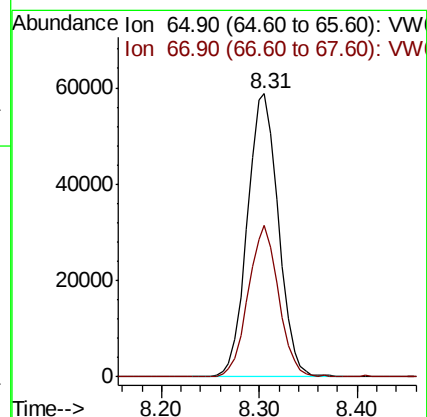
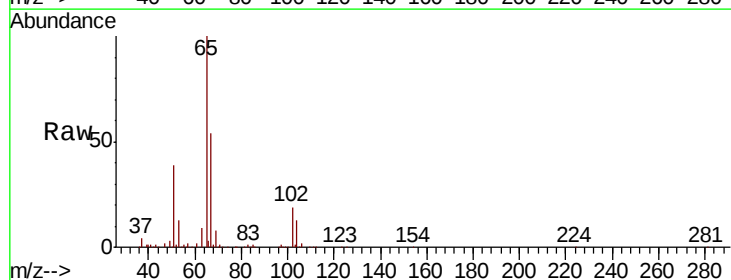
Acq: 02 Sep 2019 19:11

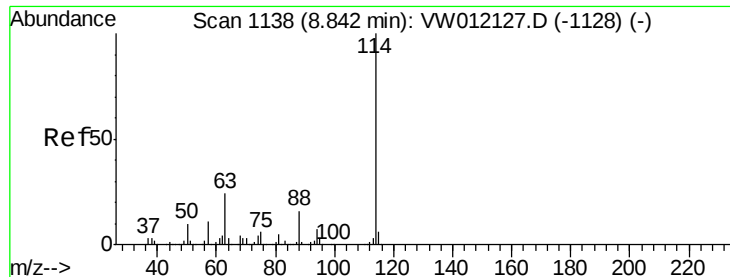
Tgt Ion: 65 Resp: 129338

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.6

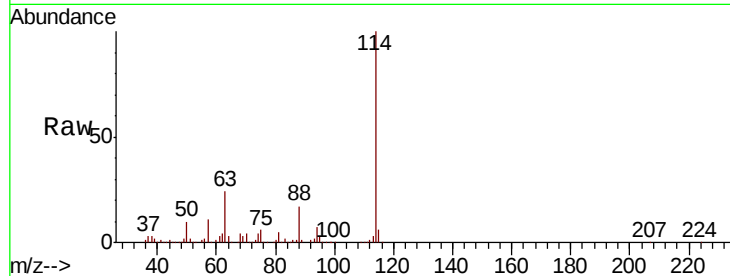




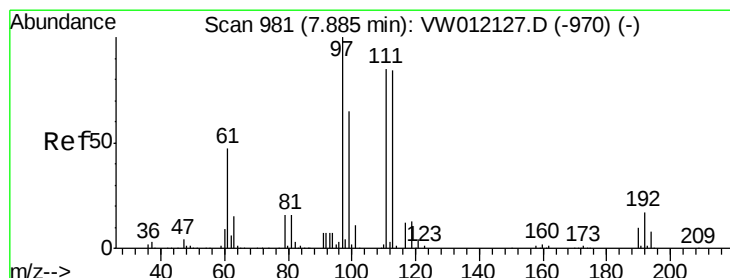
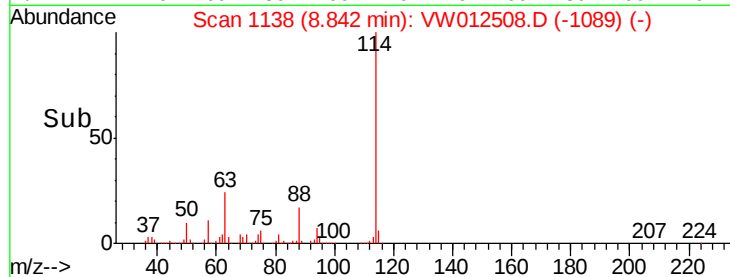
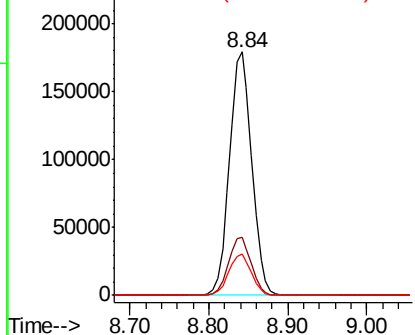
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T3-(1.9)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	48.6
88	16.9	0.0	32.2

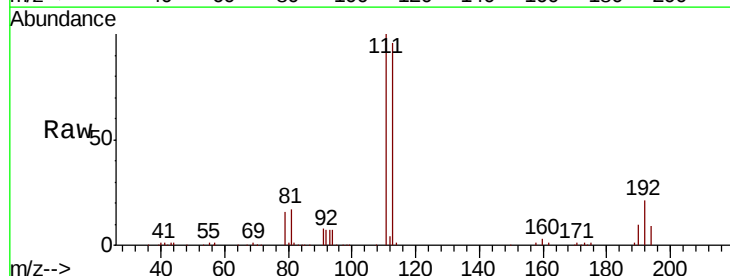


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

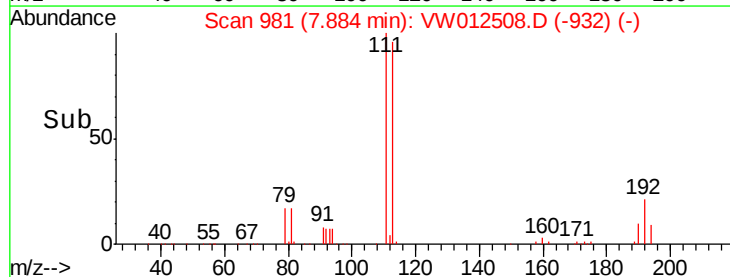
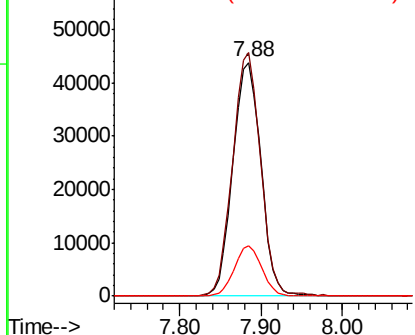


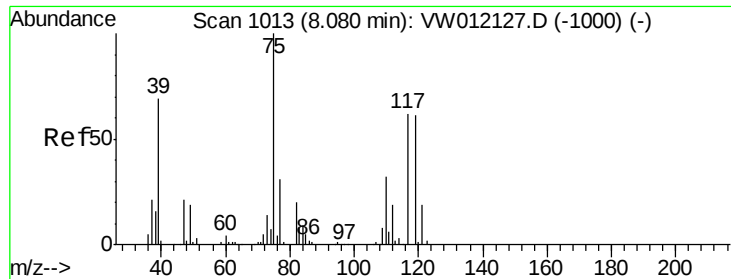
#35
 Dibromofluoromethane
 Concen: 49.435 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	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

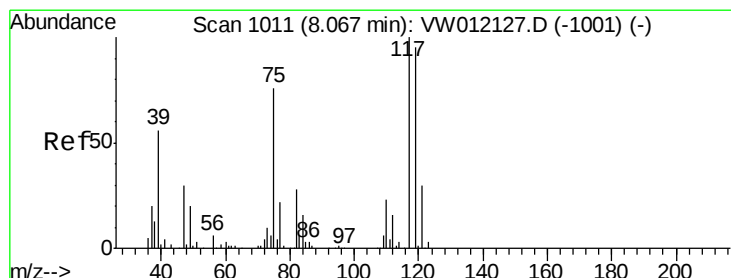
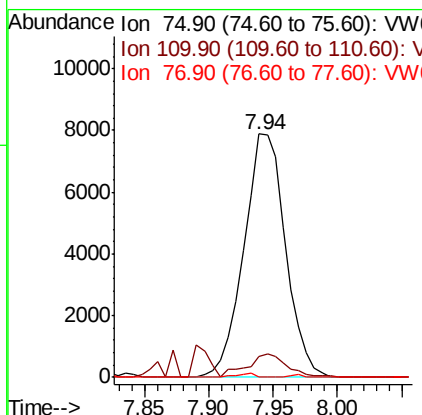
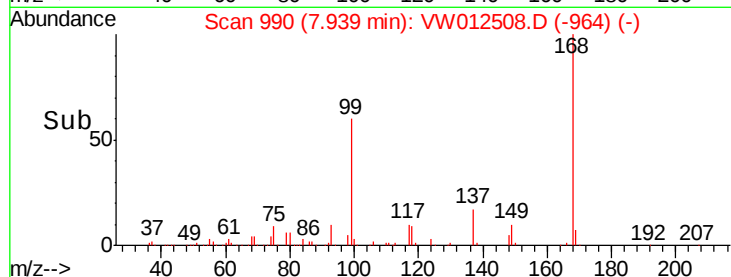
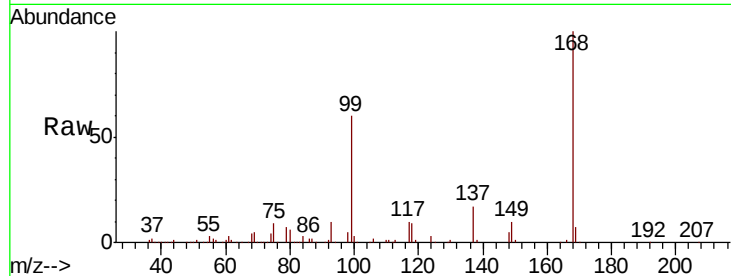




#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

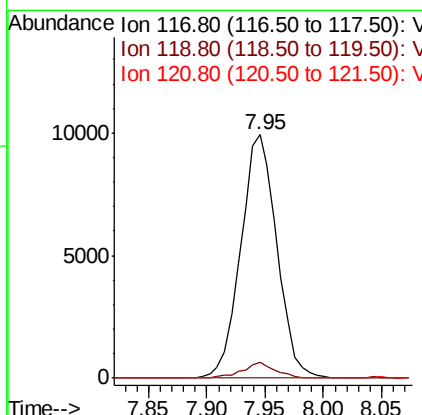
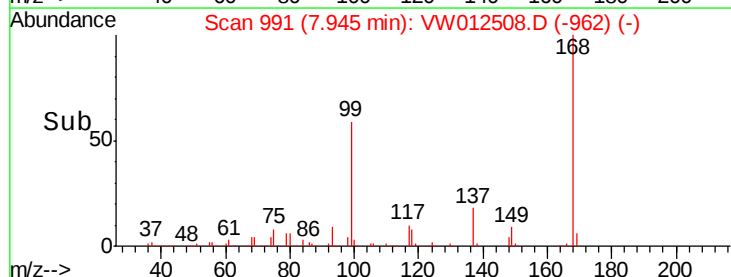
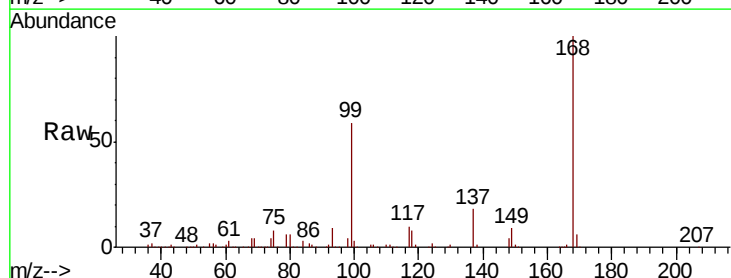
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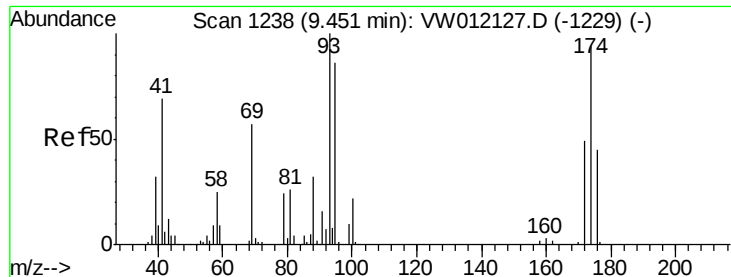
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.7	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.797 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012508.D
 Acq: 02 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.2	114.2#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.259 ug/l

RT: 9.59 min Scan# 1260

Delta R.T. 0.13 min

Lab File: VW012508.D

Acq: 02 Sep 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T3-(1.9)

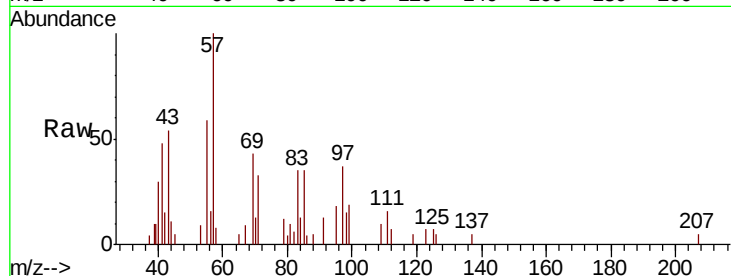
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 1204.3 32.9 49.3#

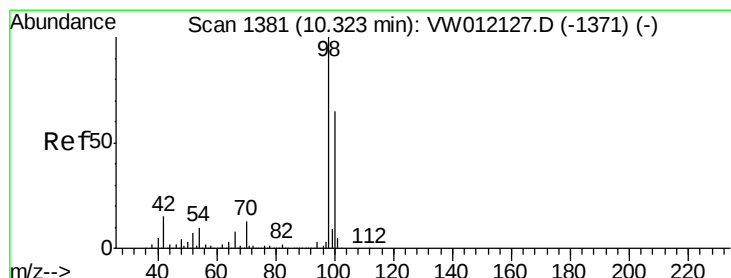
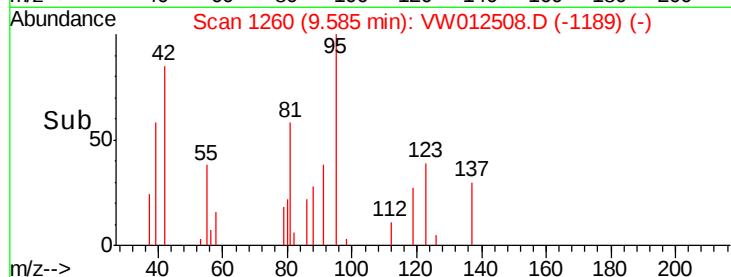
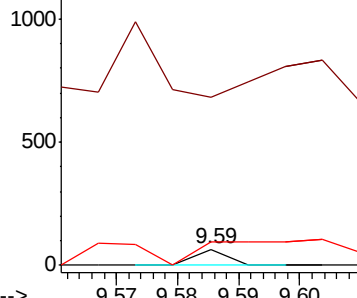
58 282.6 71.0 106.4#



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: 48.765 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012508.D

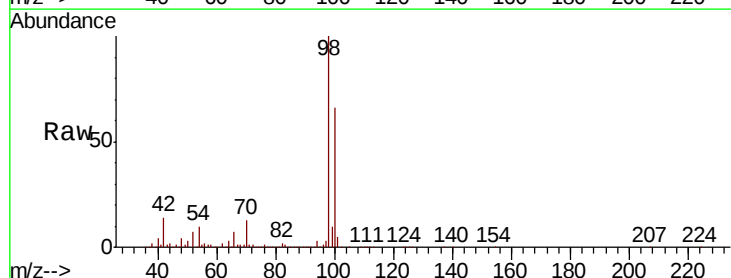
Acq: 02 Sep 2019 19:11

Tgt Ion: 98 Resp: 416879

Ion Ratio Lower Upper

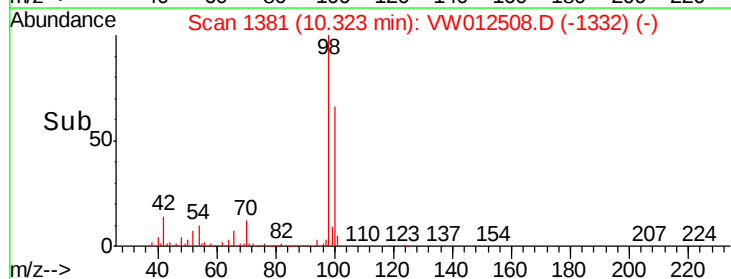
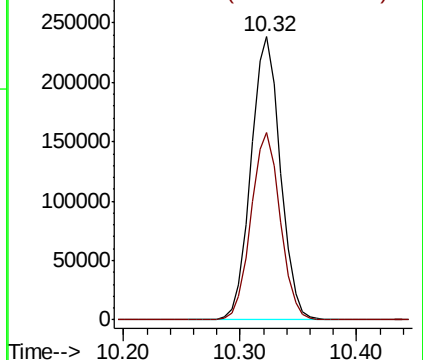
98 100

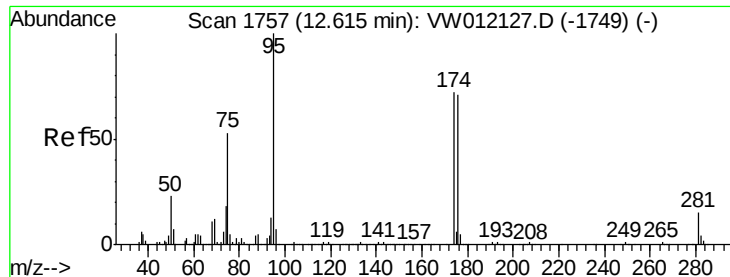
100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

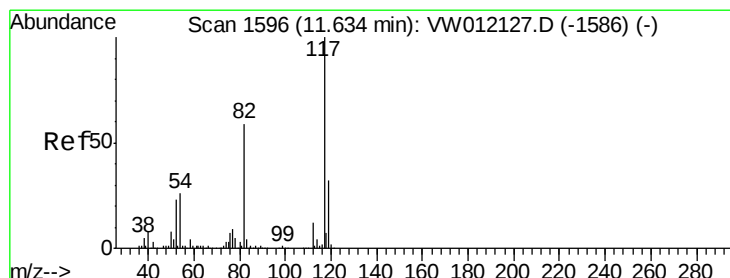
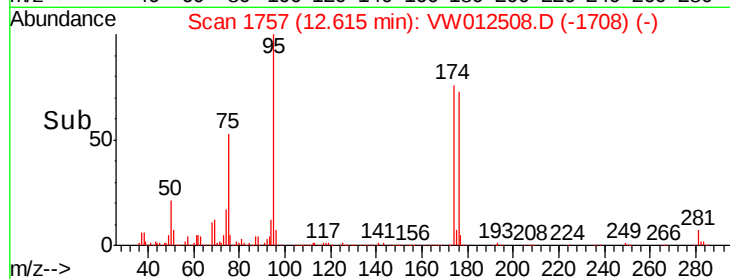
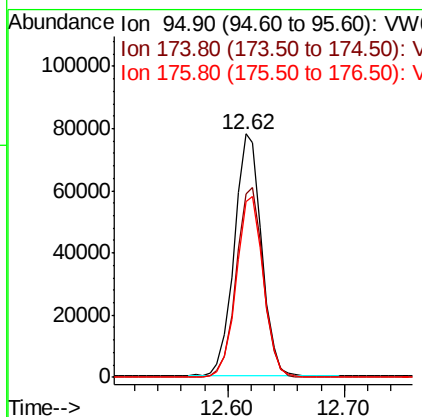
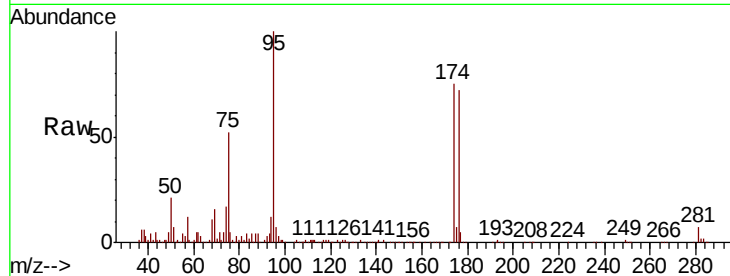




#62
4-Bromofluorobenzene
Concen: 42.129 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012508.D
Acq: 02 Sep 2019 19:11

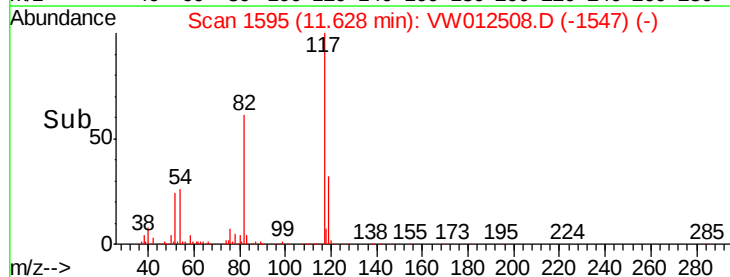
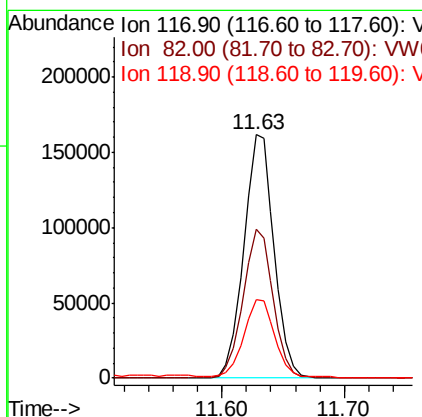
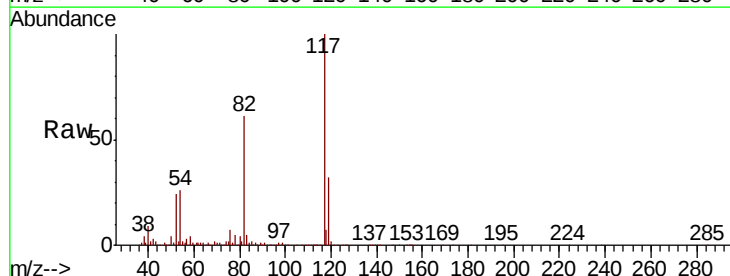
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T3-(1.9)

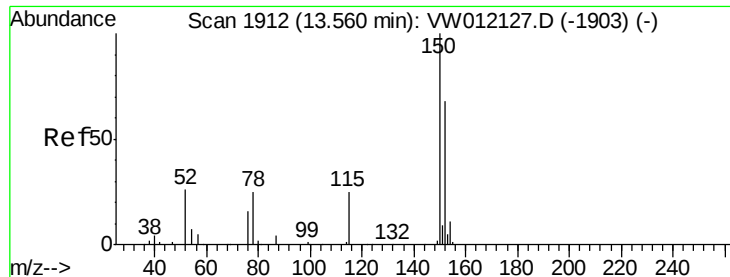
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.8
176	74.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012508.D
Acq: 02 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.4	71.2
119	31.8	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: VW012508.D

Acq: 02 Sep 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T3-(1.9)

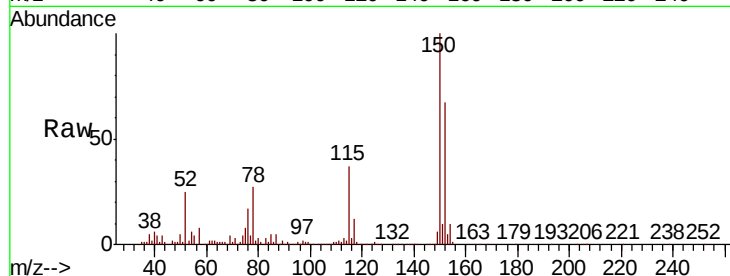
Tgt Ion:152 Resp: 96769

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

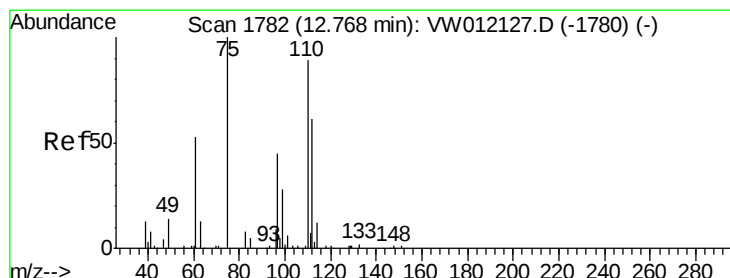
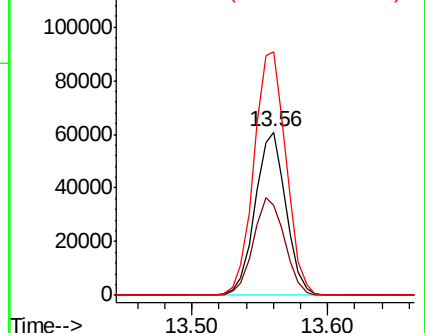
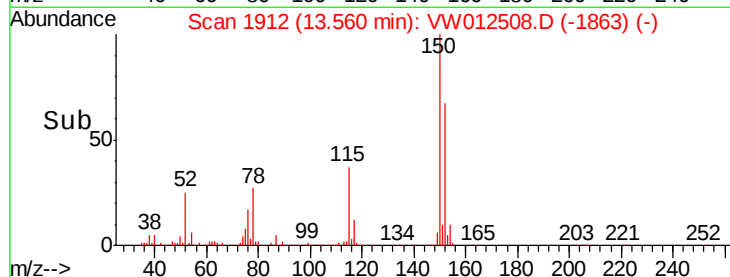
150 155.6 0.0 345.8



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: 70.583 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012508.D

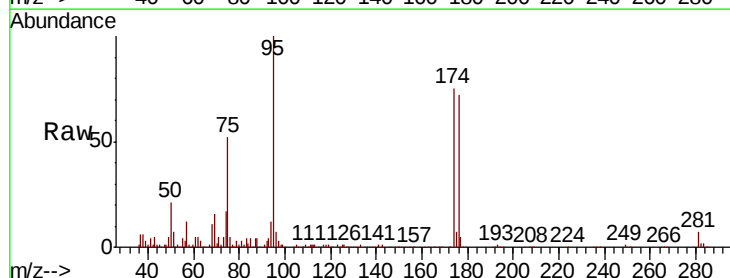
Acq: 02 Sep 2019 19:11

Tgt Ion: 75 Resp: 66522

Ion Ratio Lower Upper

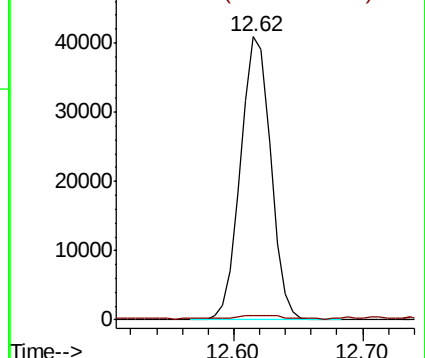
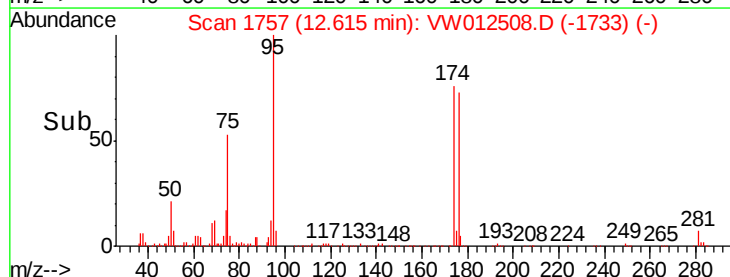
75 100

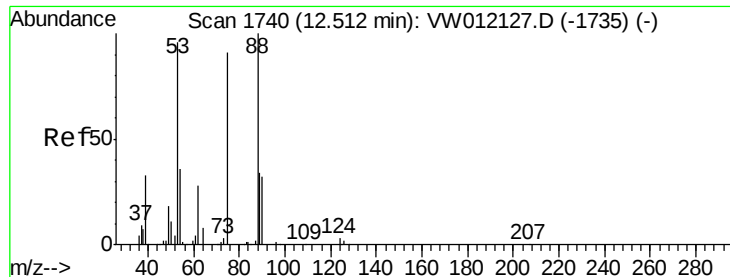
77 1.7 0.0 0.0#



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: 154.756 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012508.D

Acq: 02 Sep 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T3-(1.9)

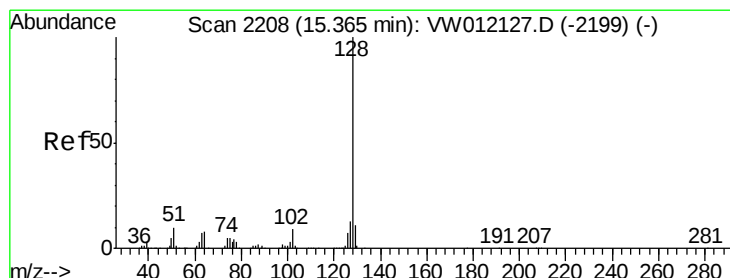
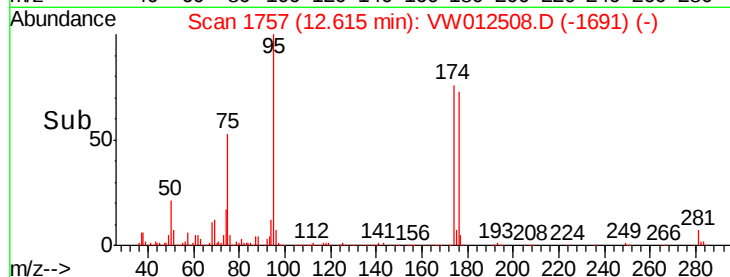
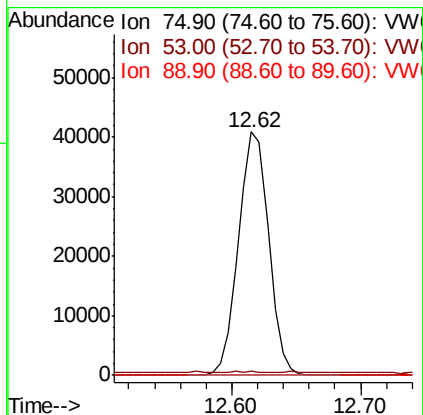
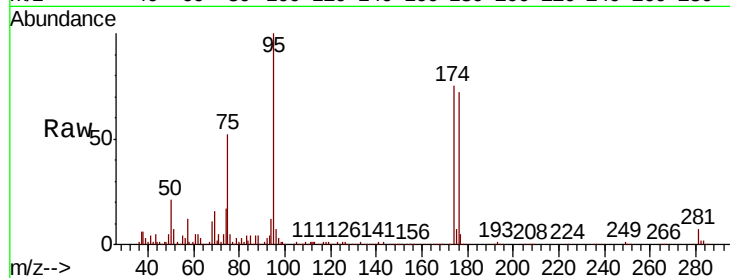
Tgt Ion: 75 Resp: 66522

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.498 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012508.D

Acq: 02 Sep 2019 19:11

Tgt Ion: 128 Resp: 708

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 7.3 8.7 13.1#

