

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012310.D
 Acq On : 29 Aug 2019 18:12
 Operator : SY/VA
 Sample : K4576-02
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200034-RBR-200036

Quant Time: Aug 30 06:50:37 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	215777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134557	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	107998	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.32	98	438773	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.62	95	141721	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

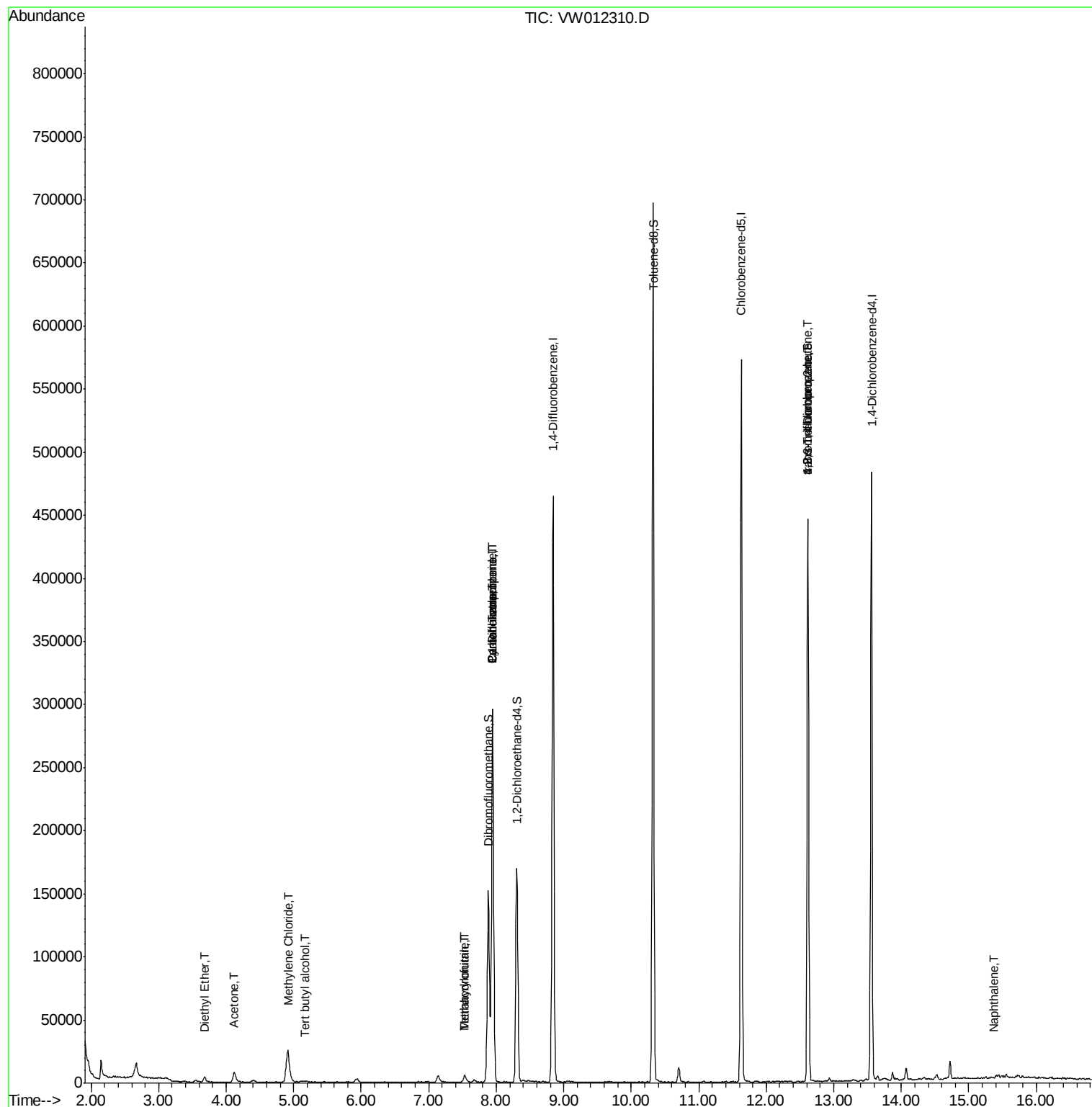
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1948	1.622	ug/l	74
11) Tert butyl alcohol	5.17	59	897	5.811	ug/l #	85
16) Acetone	4.12	43	15210	23.197	ug/l	100
20) Methylene Chloride	4.92	84	18987	7.660	ug/l	98
29) Tetrahydrofuran	7.53	42	5054	9.454	ug/l	100
31) Cyclohexane	7.94	56	5252	1.137	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	18336	4.928	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21675	6.731	ug/l #	17
41) Methacrylonitrile	7.53	41	3293	2.748	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	75181	63.005	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75181	138.142	ug/l #	6
95) Naphthalene	15.36	128	224	4.365	ug/l #	69

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

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Quant Title : SW846 8260
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: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

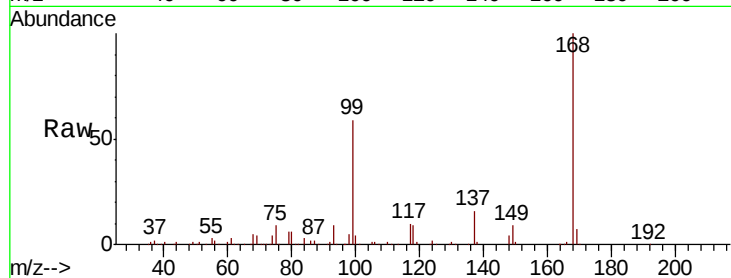
RBR-200034-RBR-200036

Tgt Ion:168 Resp: 215777

Ion Ratio Lower Upper

168 100

99 59.4 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

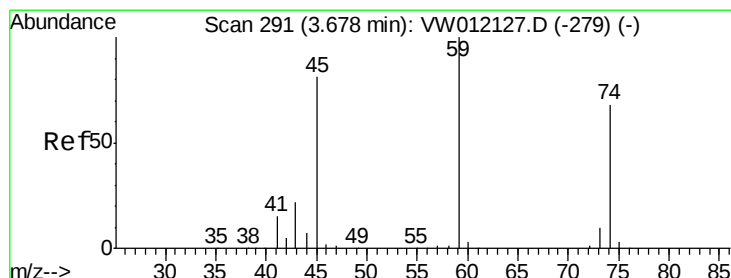
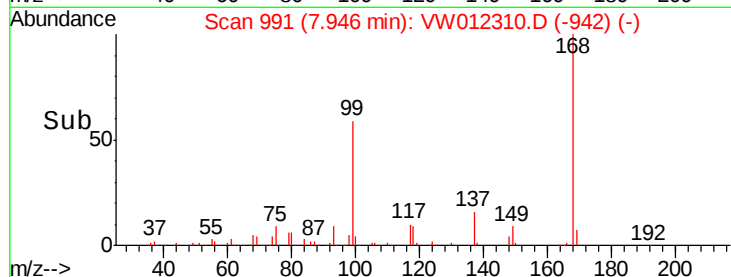
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.622 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012310.D

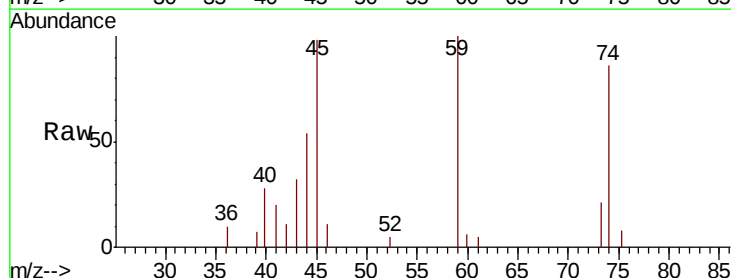
Acq: 29 Aug 2019 18:12

Tgt Ion: 74 Resp: 1948

Ion Ratio Lower Upper

74 100

45 146.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

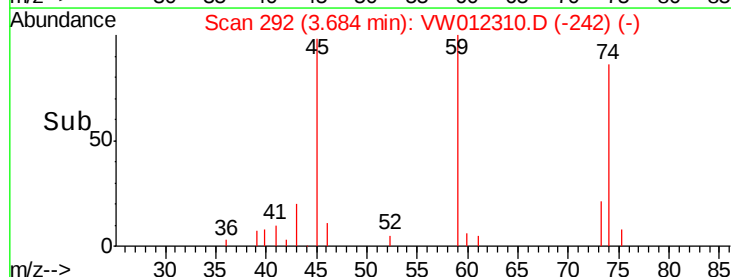
3.68

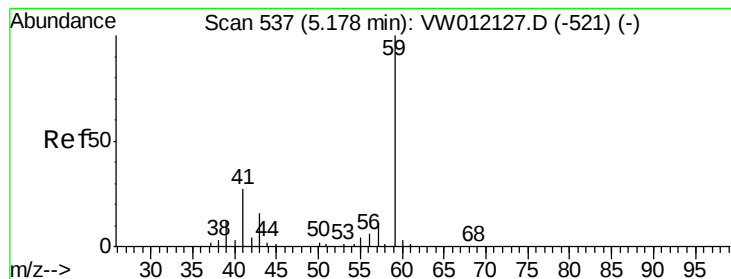
1000

500

0

Time-->



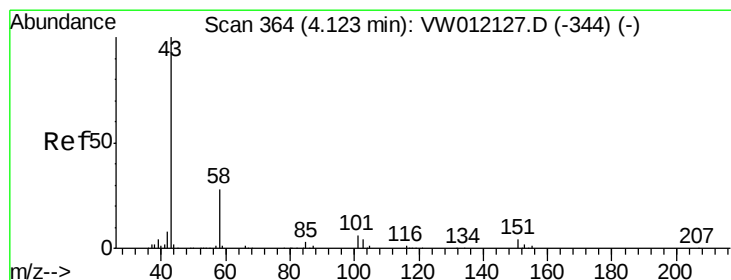
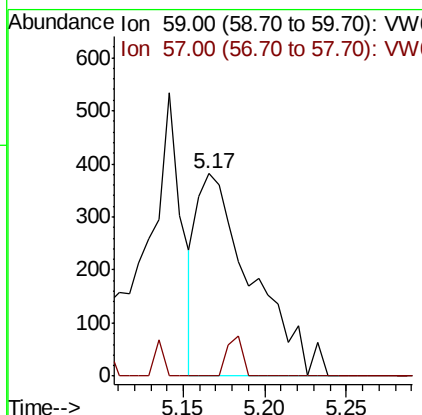
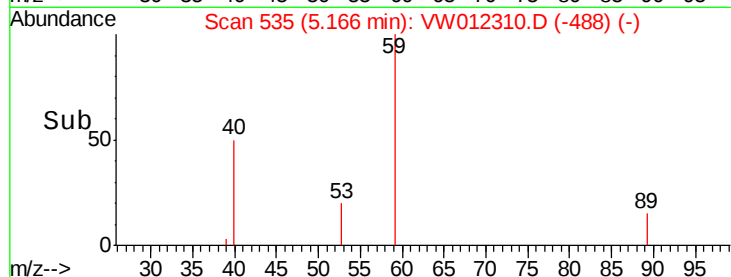
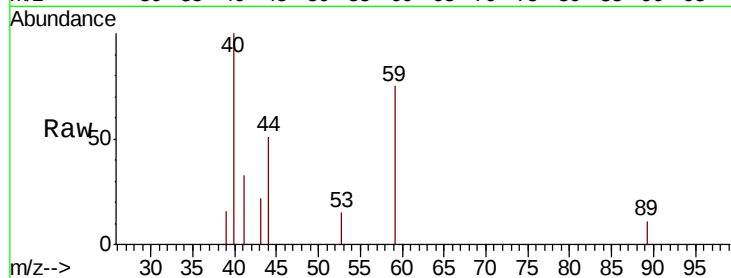


#11

Tert butyl alcohol
 Concen: 5.811 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012310.D
 Acq: 29 Aug 2019 18:12

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200034-RBR-200036

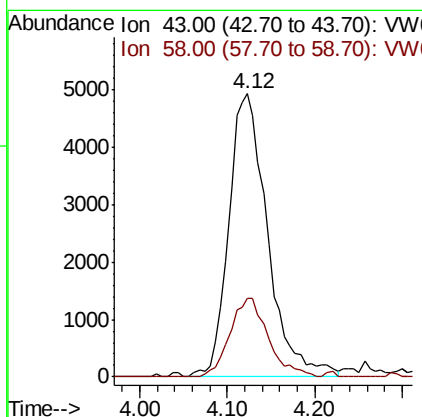
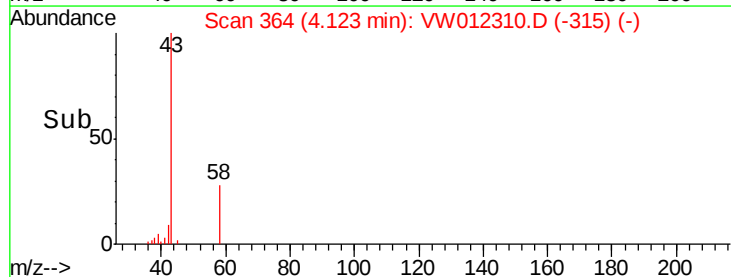
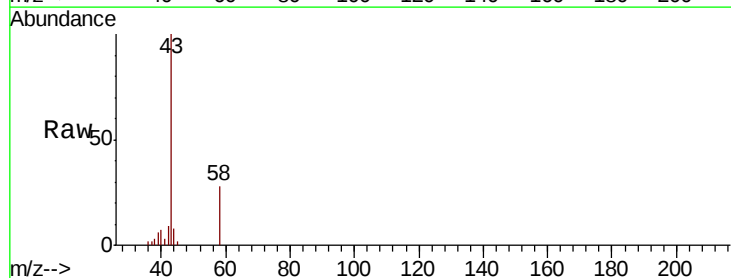
Tgt Ion: 59 Resp: 897
 Ion Ratio Lower Upper
 59 100
 57 5.5 9.0 13.4#

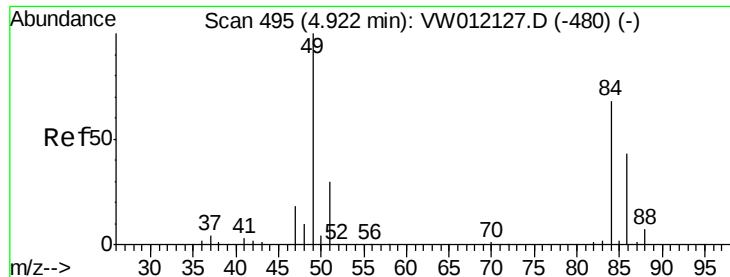


#16

Acetone
 Concen: 23.197 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VW012310.D
 Acq: 29 Aug 2019 18:12

Tgt Ion: 43 Resp: 15210
 Ion Ratio Lower Upper
 43 100
 58 27.7 22.4 33.6

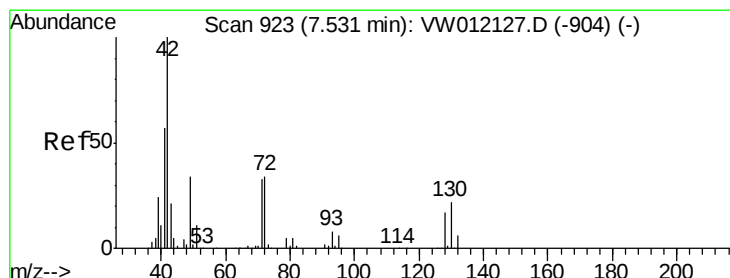
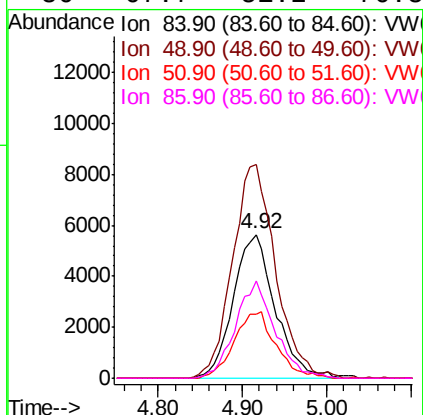
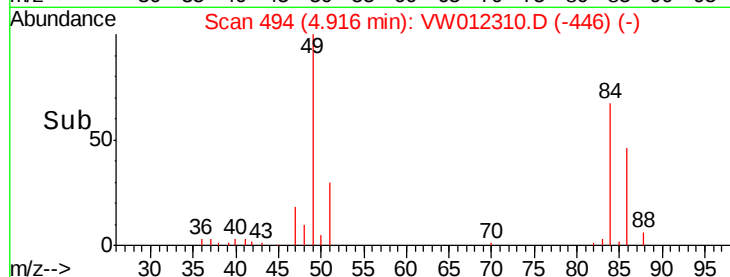
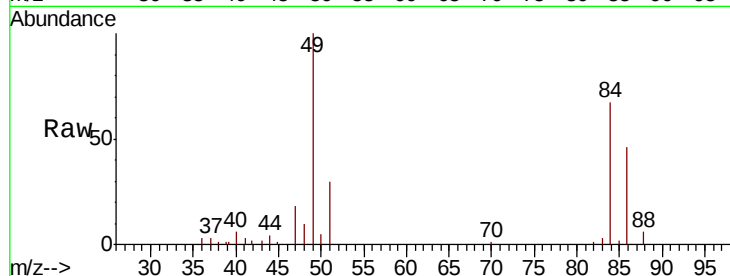




#20
Methylene Chloride
Concen: 7.660 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012310.D
Acq: 29 Aug 2019 18:12

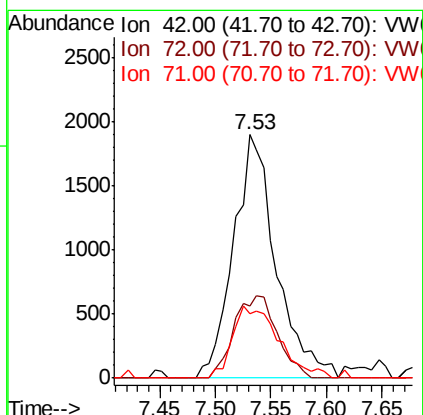
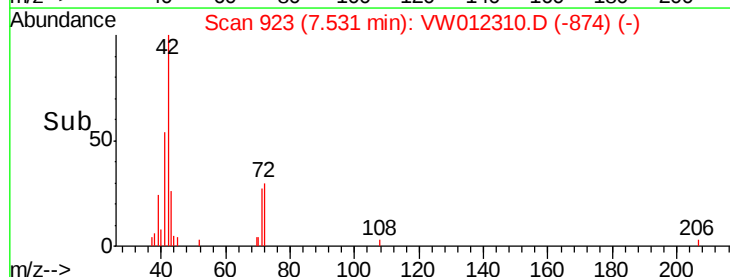
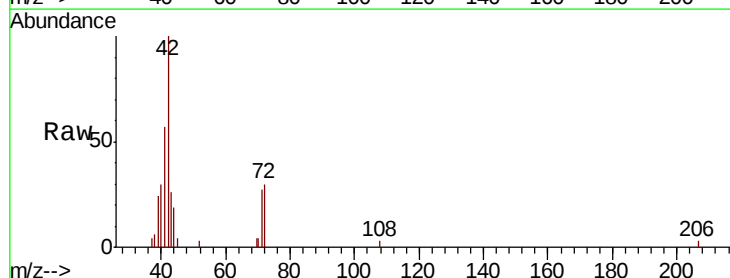
Instrument :
MSVOA_W
ClientSampleId :
RBR-200034-RBR-200036

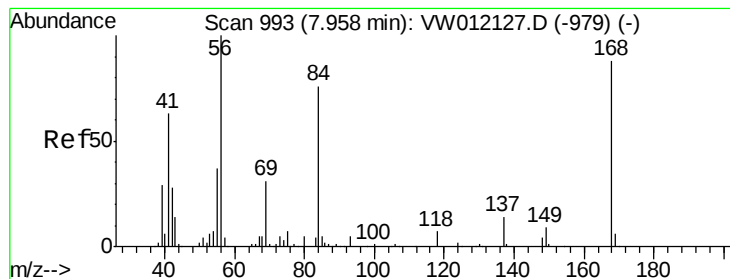
Tgt Ion:	84	Resp:	18987
Ion	Ratio	Lower	Upper
84	100		
49	148.6	117.8	176.8
51	44.8	35.6	53.4
86	67.7	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.454 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012310.D
Acq: 29 Aug 2019 18:12

Tgt Ion:	42	Resp:	5054
Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	32.0	25.5	38.3





#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034-RBR-200036

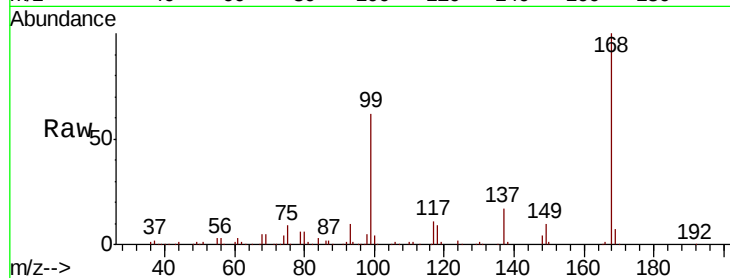
Tgt Ion: 56 Resp: 5252

Ion Ratio Lower Upper

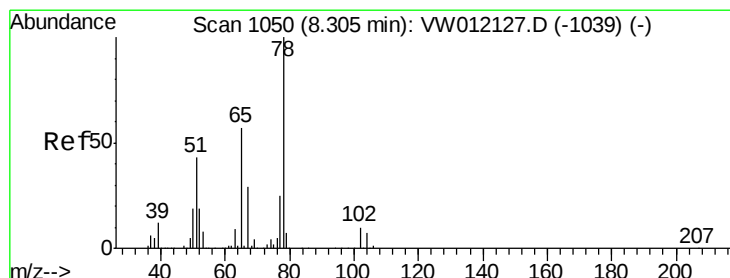
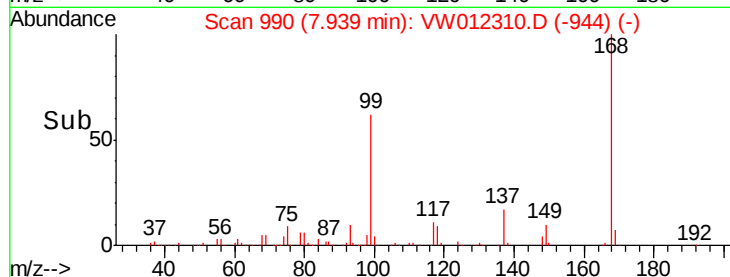
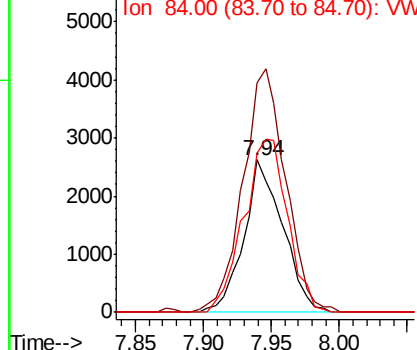
56 100

69 150.9 24.9 37.3#

84 104.7 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: 52.458 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012310.D

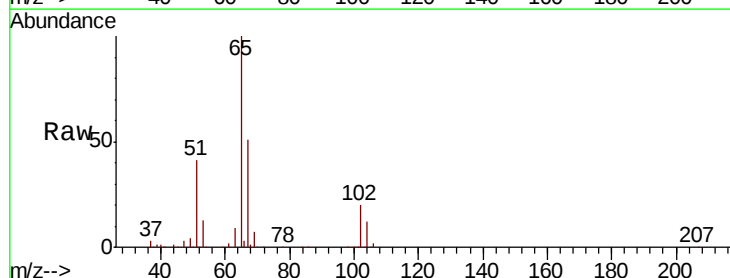
Acq: 29 Aug 2019 18:12

Tgt Ion: 65 Resp: 134557

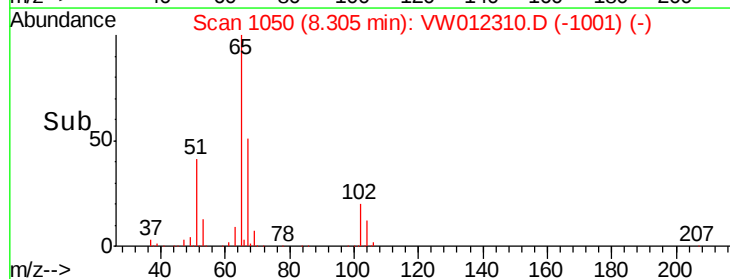
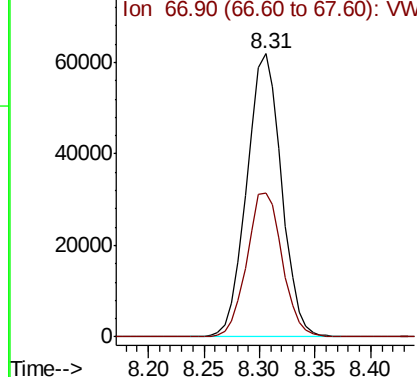
Ion Ratio Lower Upper

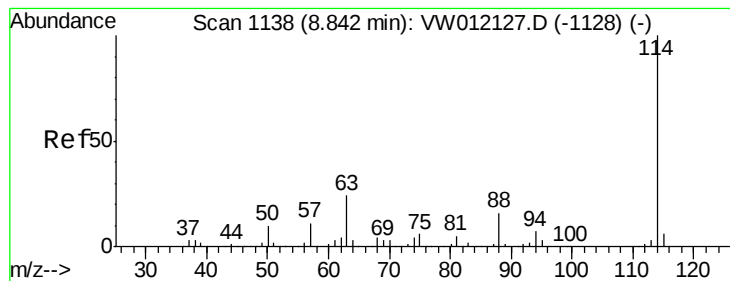
65 100

67 51.8 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: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034-RBR-200036

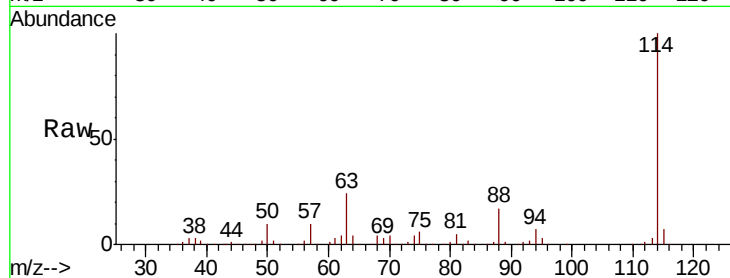
Tgt Ion:114 Resp: 360035

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.6

88 16.8 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

8.84

250000

200000

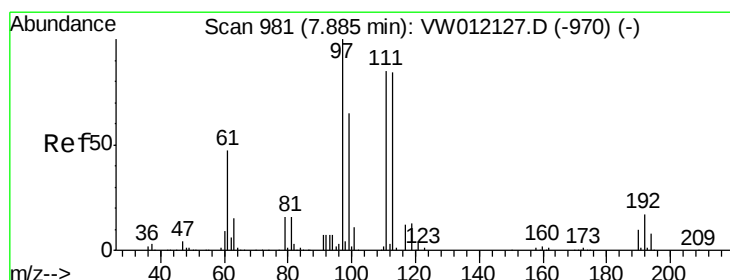
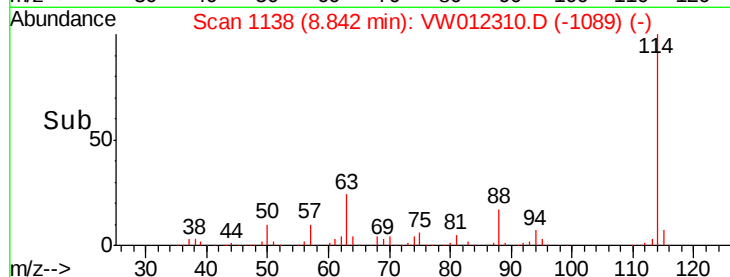
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#35

Dibromofluoromethane

Concen: 50.254 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012310.D

Acq: 29 Aug 2019 18:12

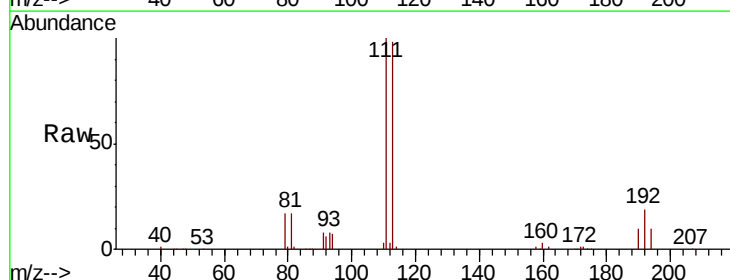
Tgt Ion:113 Resp: 107998

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

192 20.6 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

7.88

60000

50000

40000

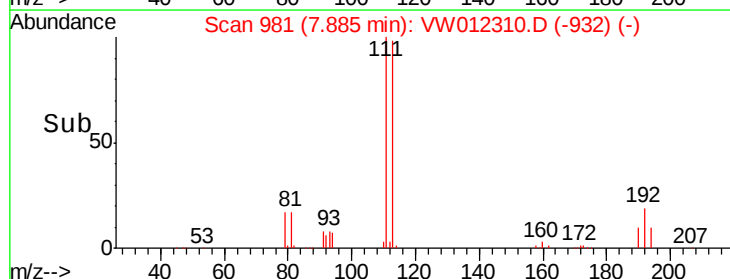
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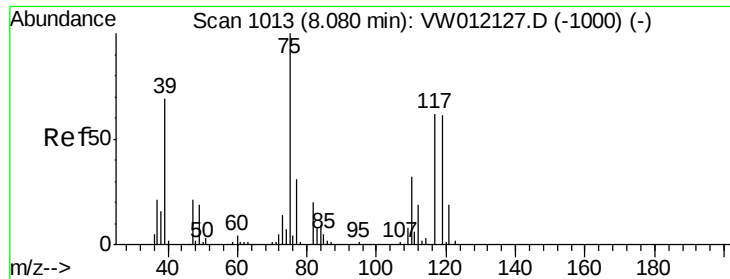
20000

10000

0

Time--> 7.80 7.90 8.00

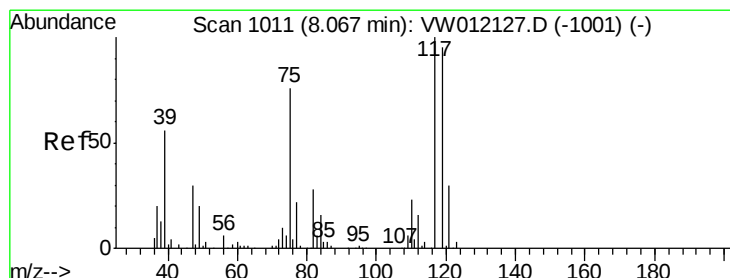
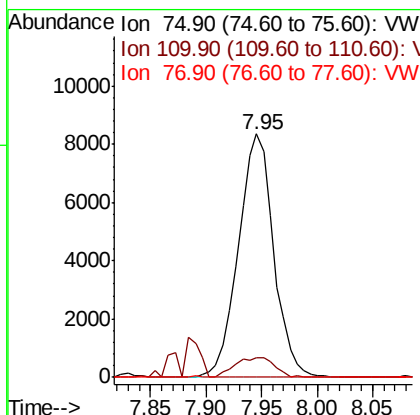
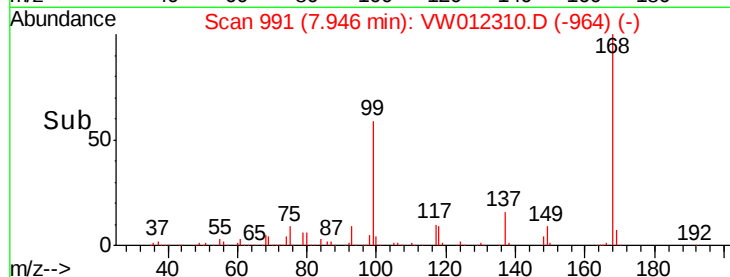
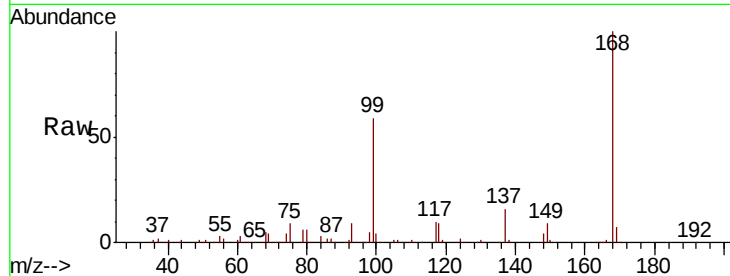




#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012310.D
 Acq: 29 Aug 2019 18:12

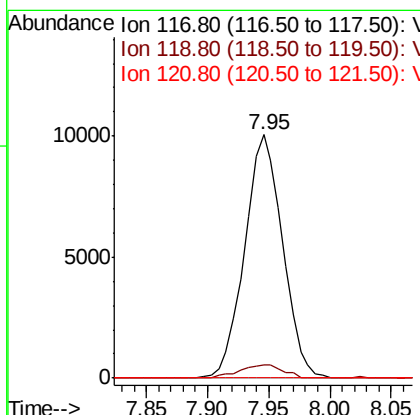
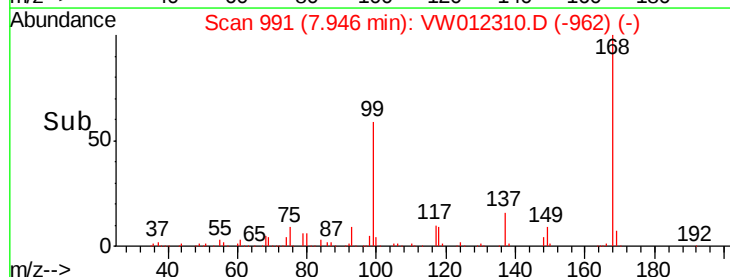
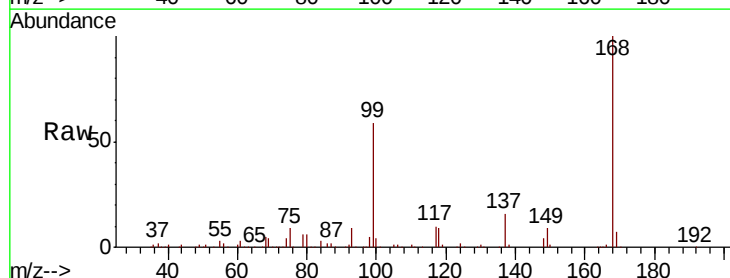
Instrument :
 MSVOA_W
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 RBR-200034-RBR-200036

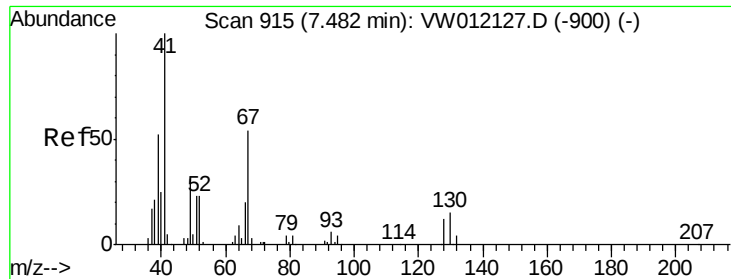
Tgt Ion: 75 Resp: 18336
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.731 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012310.D
 Acq: 29 Aug 2019 18:12

Tgt Ion: 117 Resp: 21675
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.748 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034-RBR-200036

Tgt Ion: 41 Resp: 3293

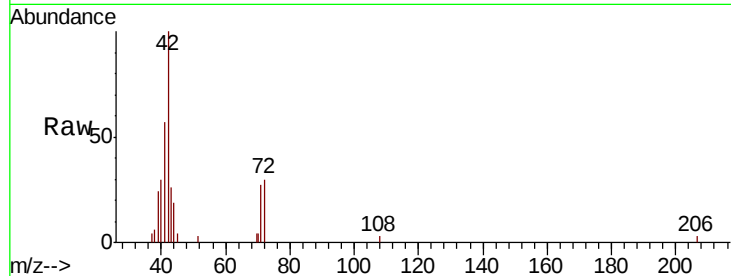
Ion Ratio Lower Upper

41 100

39 44.5 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

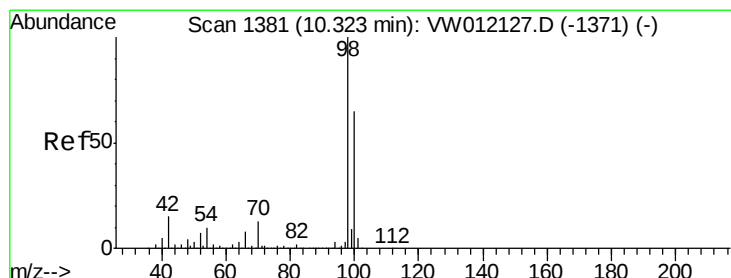
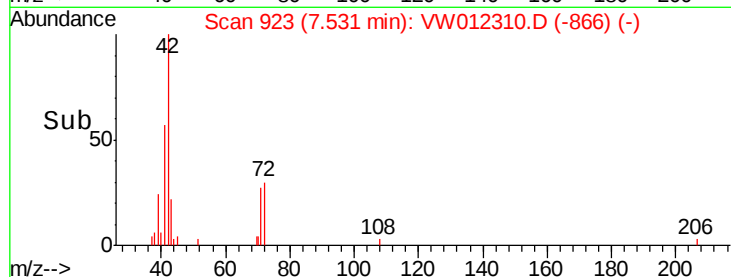
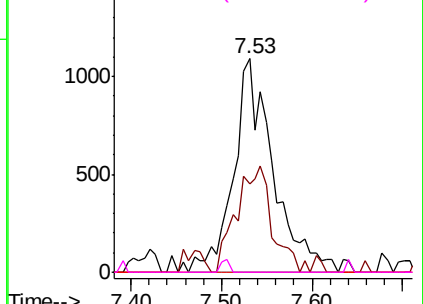


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.354 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012310.D

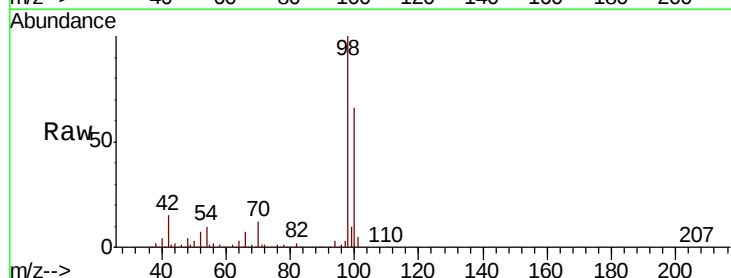
Acq: 29 Aug 2019 18:12

Tgt Ion: 98 Resp: 438773

Ion Ratio Lower Upper

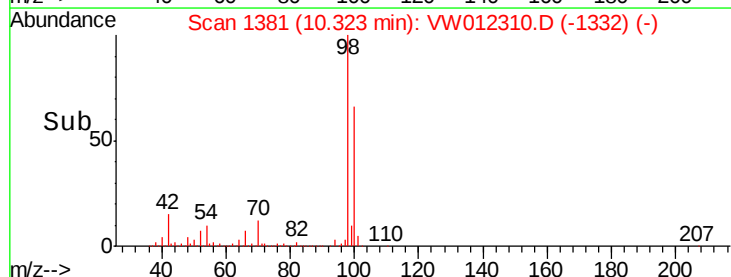
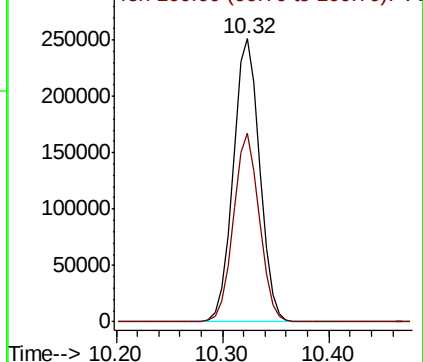
98 100

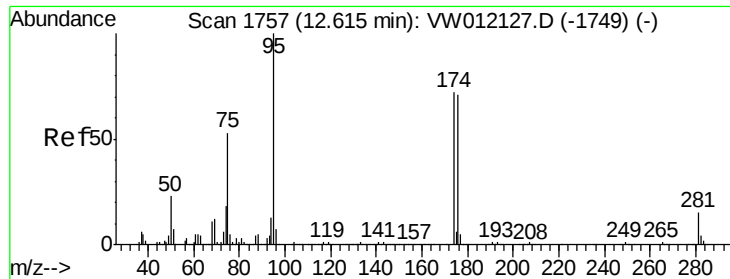
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

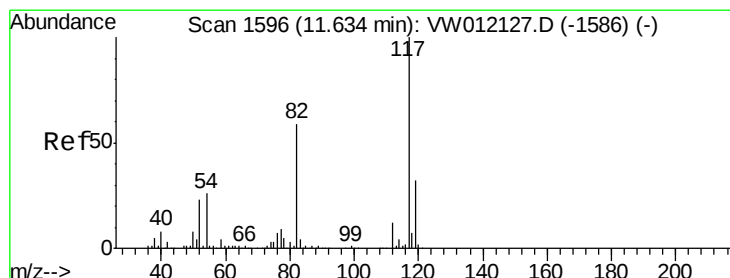
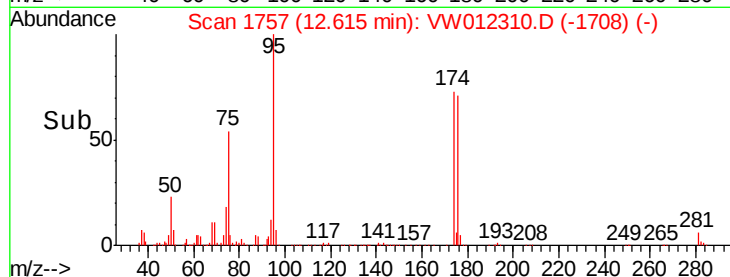
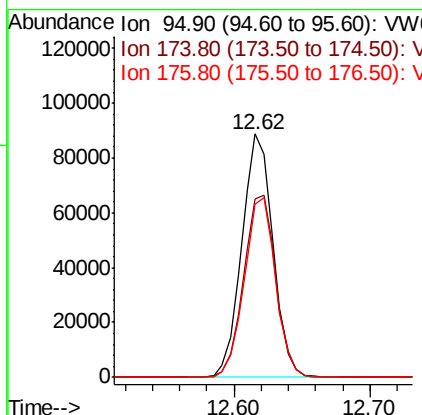
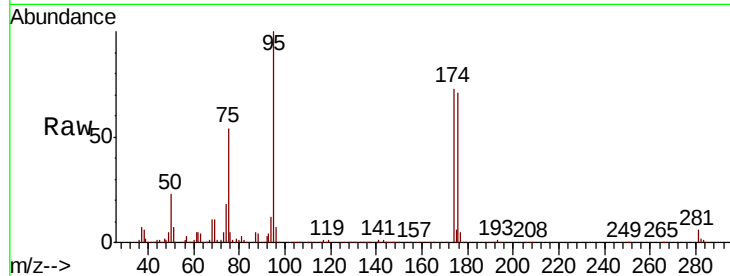




#62
4-Bromofluorobenzene
Concen: 46.139 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012310.D
Acq: 29 Aug 2019 18:12

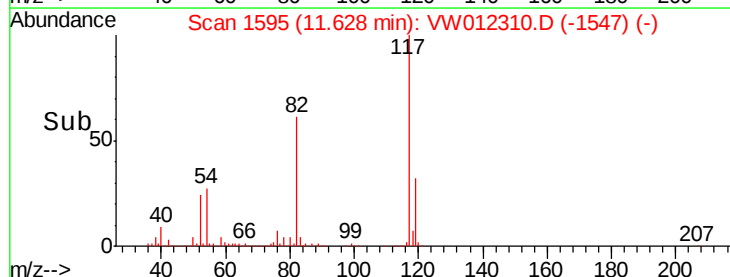
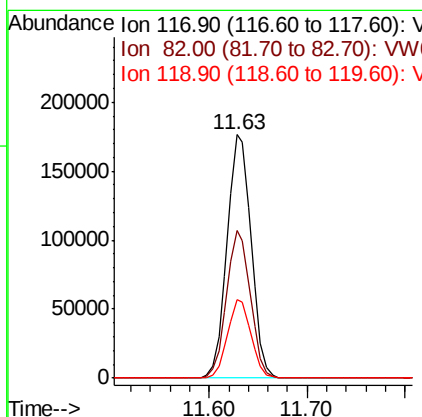
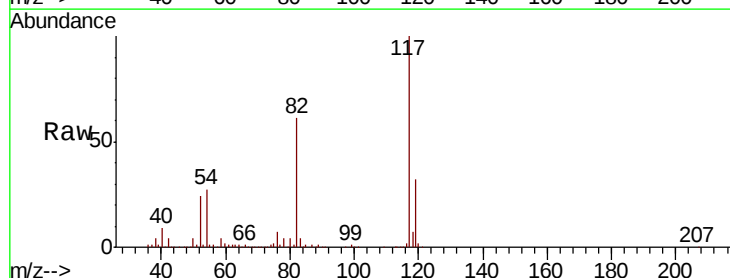
Instrument :
MSVOA_W
ClientSampleId :
RBR-200034-RBR-200036

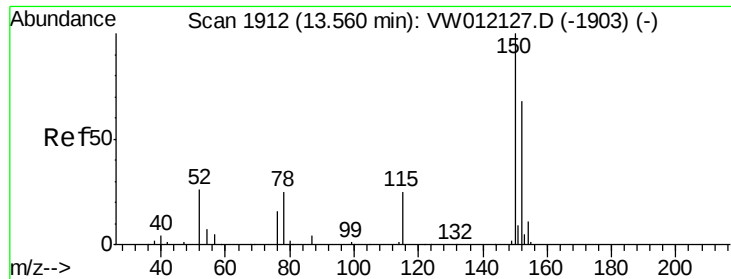
Tgt Ion: 95 Resp: 141721
Ion Ratio Lower Upper
95 100
174 77.7 0.0 150.8
176 74.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012310.D
Acq: 29 Aug 2019 18:12

Tgt Ion: 117 Resp: 301228
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.0 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: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034-RBR-200036

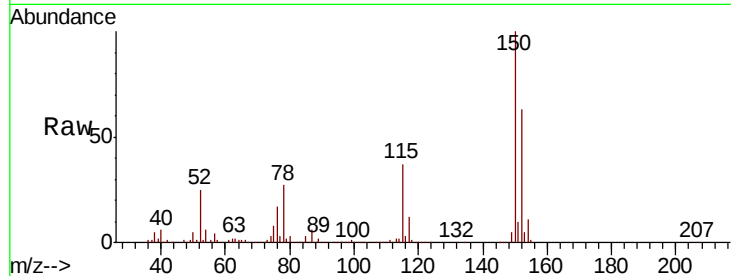
Tgt Ion:152 Resp: 122519

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

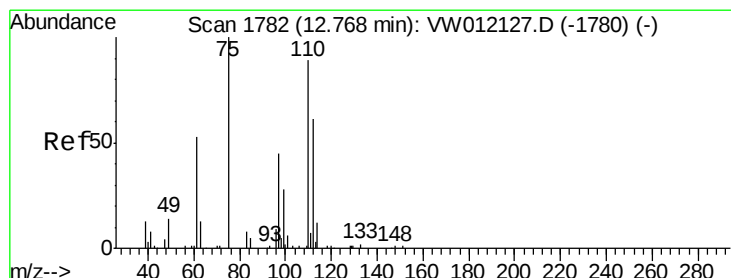
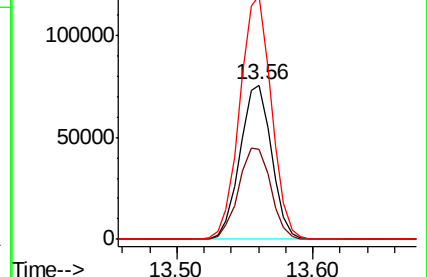
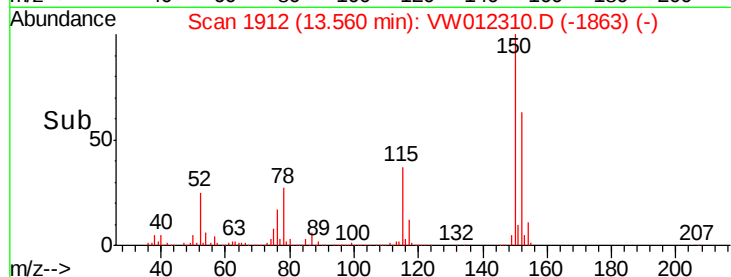
150 157.6 0.0 345.8



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: 63.005 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012310.D

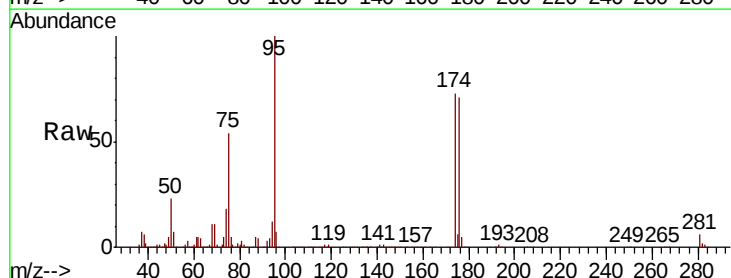
Acq: 29 Aug 2019 18:12

Tgt Ion: 75 Resp: 75181

Ion Ratio Lower Upper

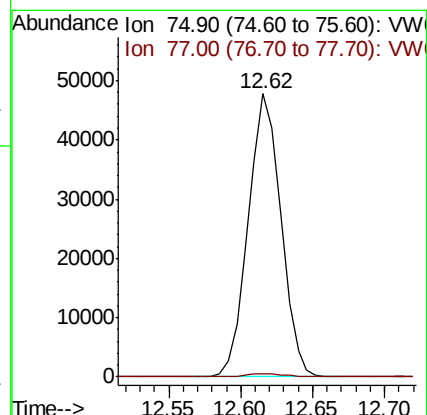
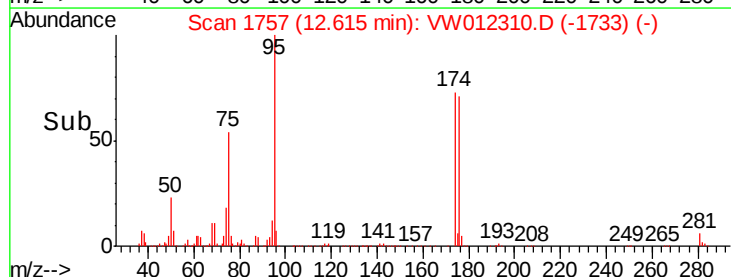
75 100

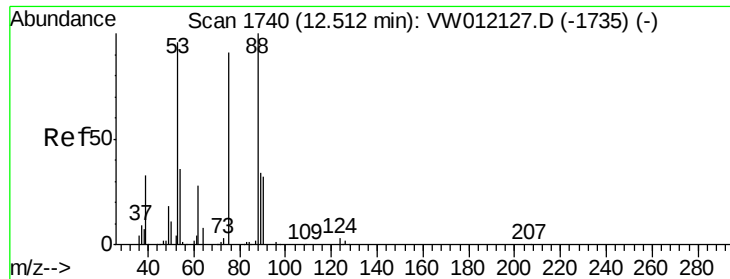
77 1.5 0.0 0.0#



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: 138.142 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012310.D

Acq: 29 Aug 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034-RBR-200036

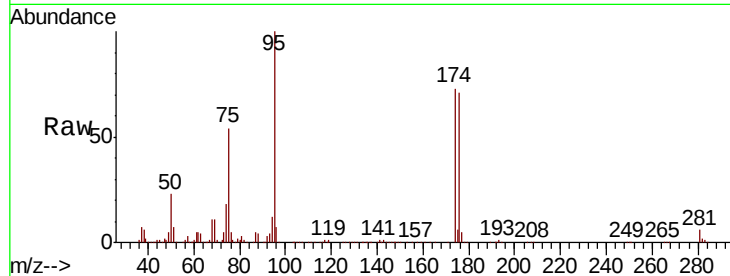
Tgt Ion: 75 Resp: 75181

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

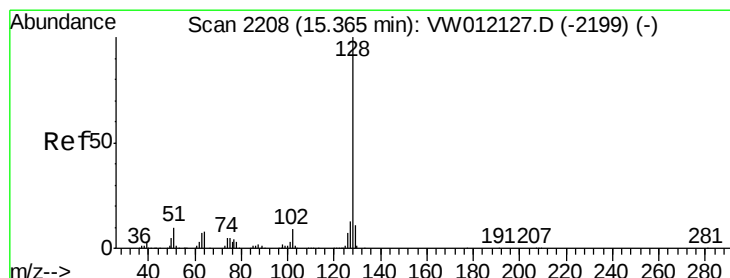
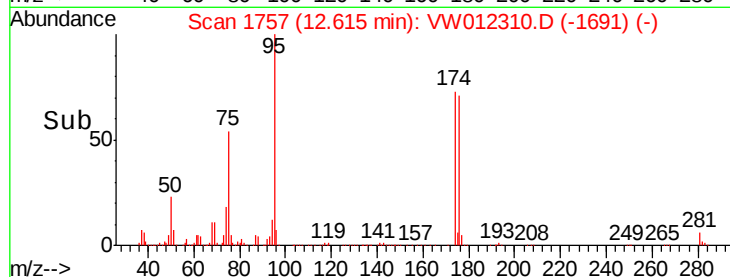
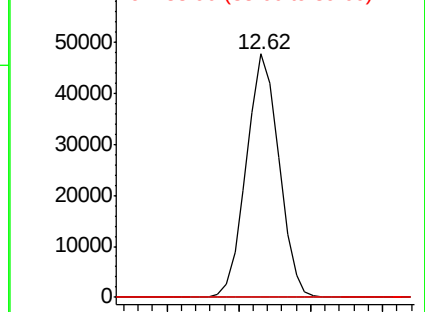
89 0.0 34.5 51.7#



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: 4.365 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012310.D

Acq: 29 Aug 2019 18:12

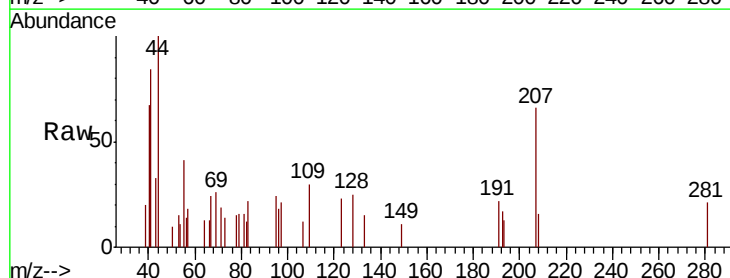
Tgt Ion: 128 Resp: 224

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

