

Data File : VW012119.D
Acq On : 22 Aug 2019 18:52
Operator : SY/VA
Sample : K4461-19
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-8.5-9.0

Quant Time: Aug 23 08:02:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141523	57.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.76%	
35) Dibromofluoromethane	7.88	113	113396	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	10.32	98	457979	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.62	95	147663	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

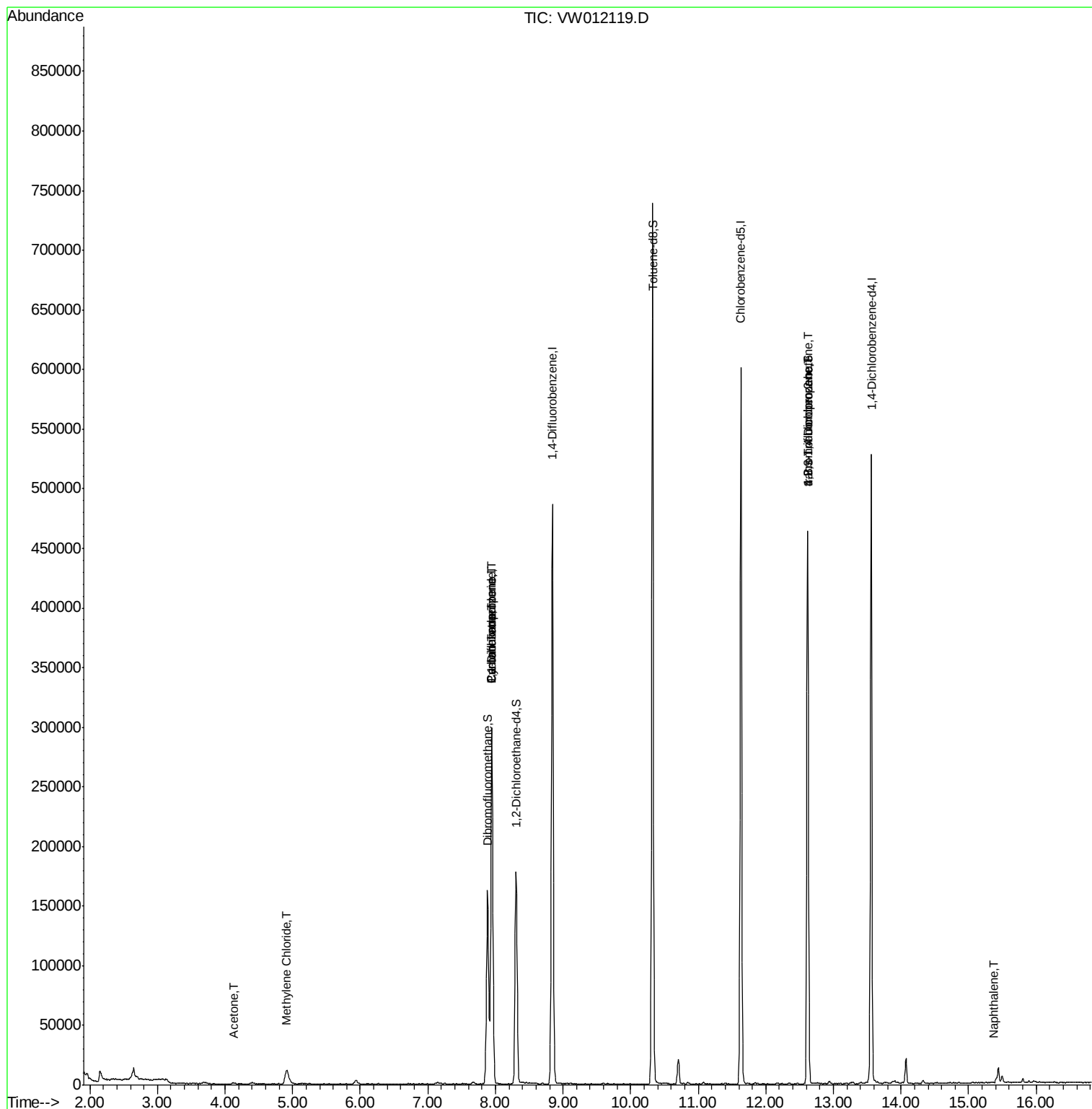
						Qvalue
11) Tert butyl alcohol	5.18	59	248	Below Cal	#	72
16) Acetone	4.14	43	1963	2.502	ug/l #	79
20) Methylene Chloride	4.92	84	9185	3.394	ug/l	97
31) Cyclohexane	7.95	56	5544	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18530	4.810	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21966	6.660	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79177	57.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79177	132.479	ug/l #	6
95) Naphthalene	15.36	128	47	2.075	ug/l #	69

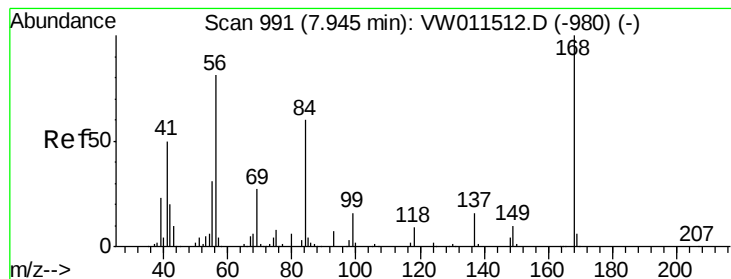
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012119.D

Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampled :

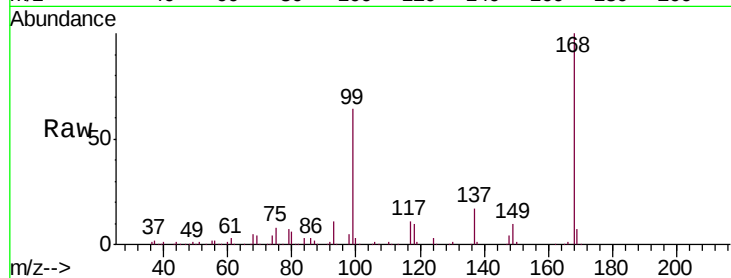
SB-10-8.5-9.0

Tgt Ion: 168 Resp: 214801

Ion Ratio Lower Upper

168 100

99 63.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

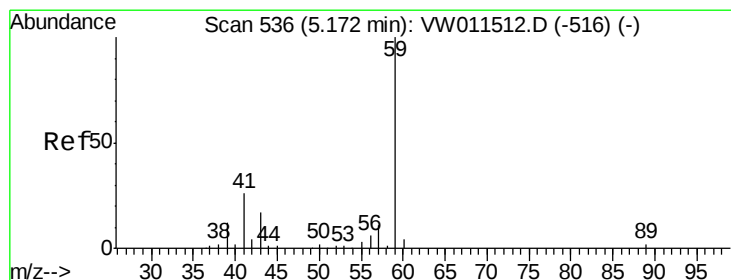
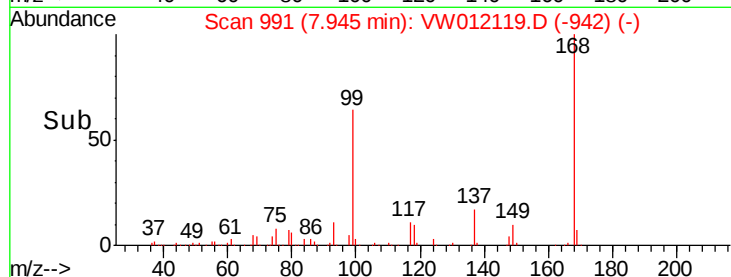
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012119.D

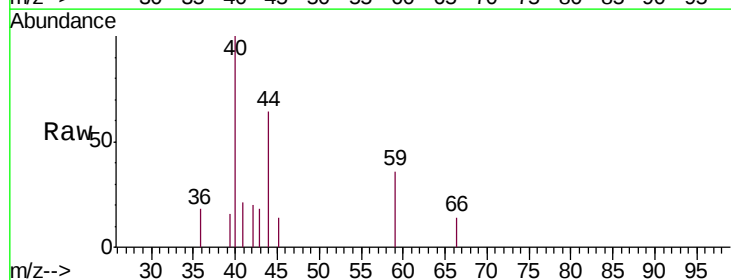
Acq: 22 Aug 2019 18:52

Tgt Ion: 59 Resp: 248

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

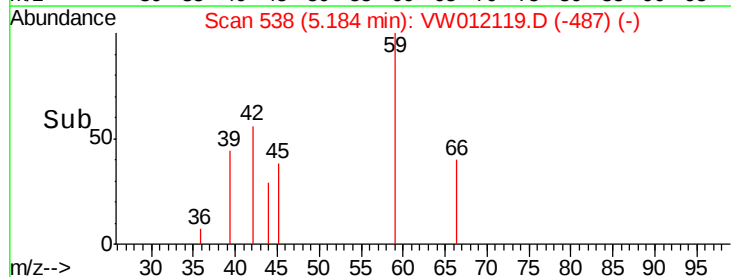
150

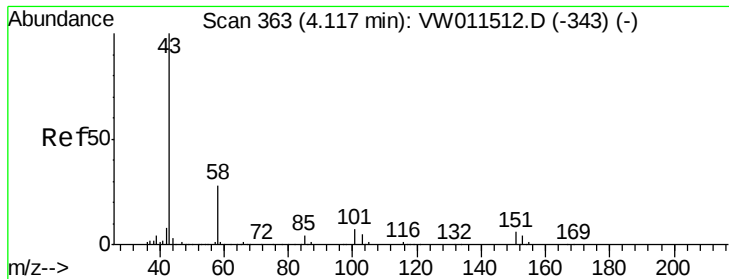
100

50

0

Time-->





#16

Acetone

Concen: 2.502 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

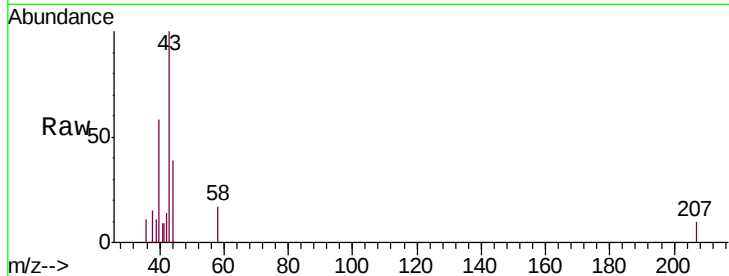
SB-10-8.5-9.0

Tgt Ion: 43 Resp: 1963

Ion Ratio Lower Upper

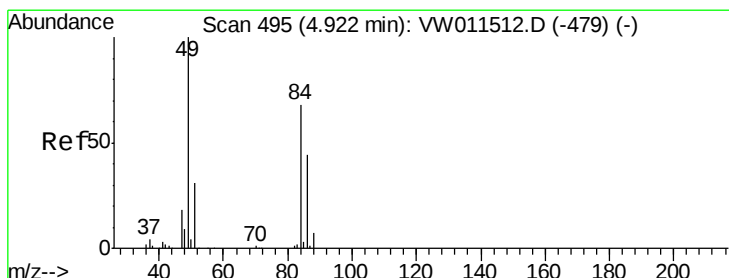
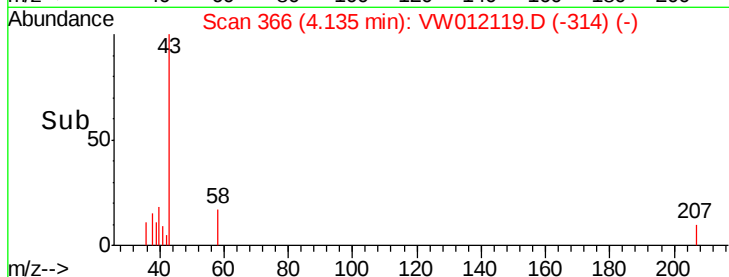
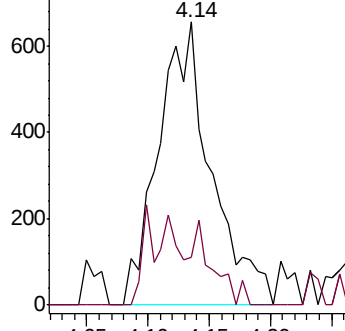
43 100

58 17.1 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.394 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

Tgt Ion: 84 Resp: 9185

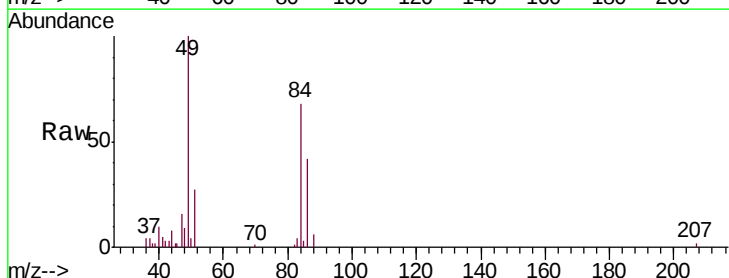
Ion Ratio Lower Upper

84 100

49 146.2 117.8 176.6

51 39.7 37.0 55.4

86 61.4 51.8 77.8

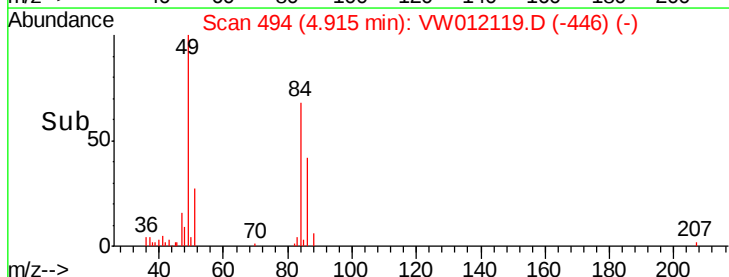
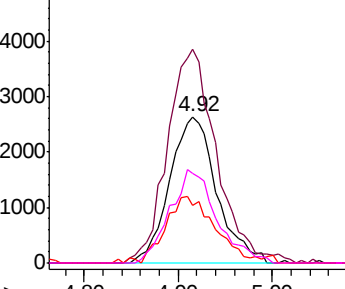


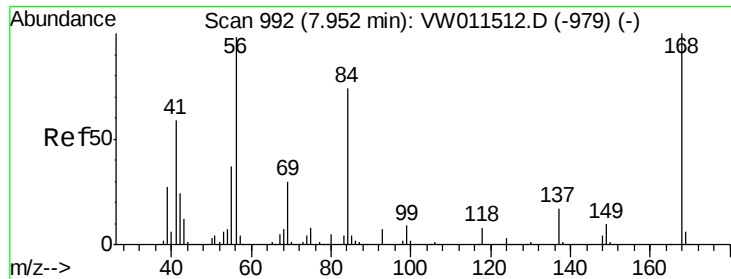
Abundance Ion 83.90 (83.60 to 84.60): VW

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

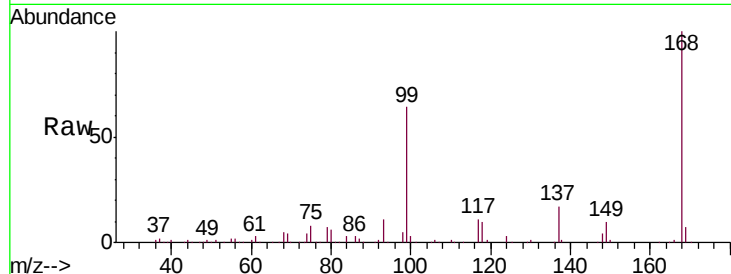




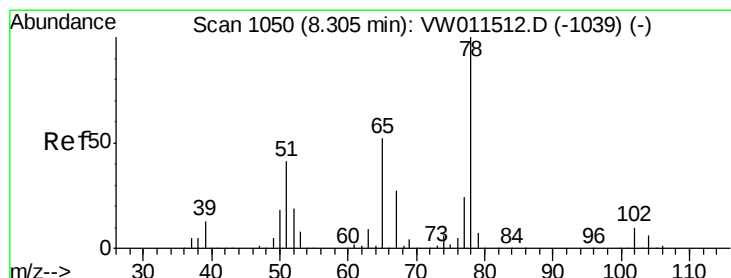
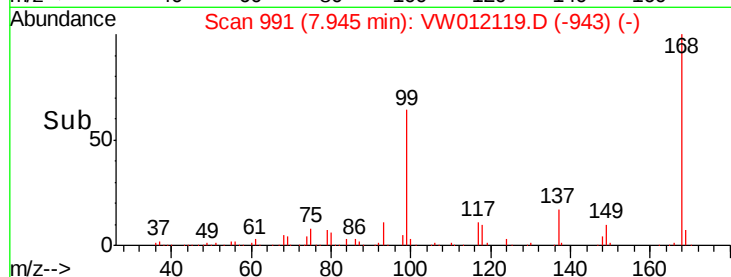
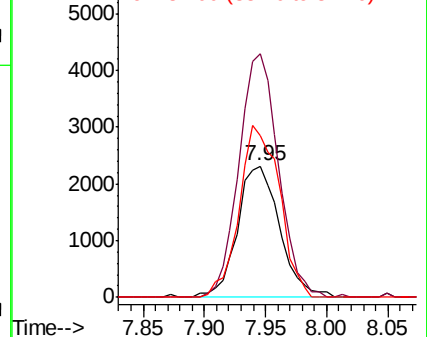
#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012119.D
Acq: 22 Aug 2019 18:52

Instrument :
MSVOA_W
ClientSampleId :
SB-10-8.5-9.0

Tgt Ion: 56 Resp: 5544
Ion Ratio Lower Upper
56 100
69 185.8 24.3 36.5#
84 123.4 60.4 90.6#

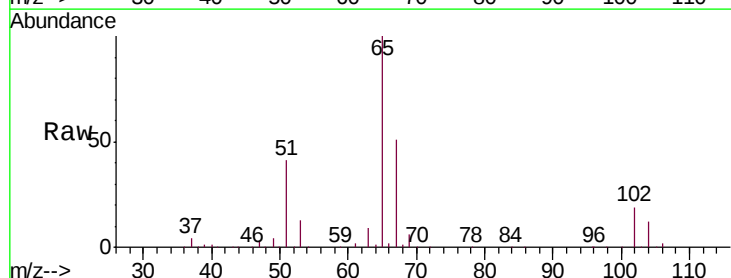


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

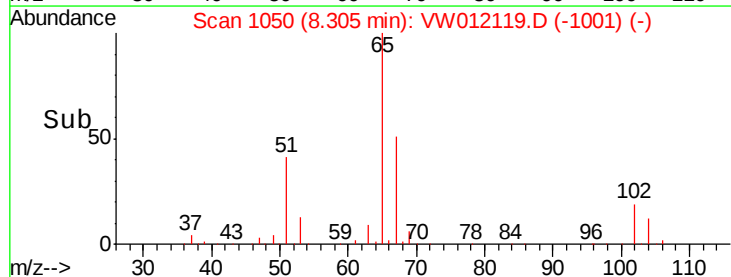
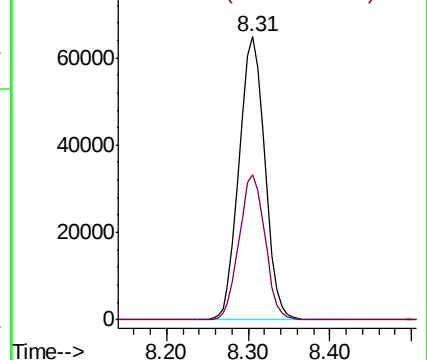


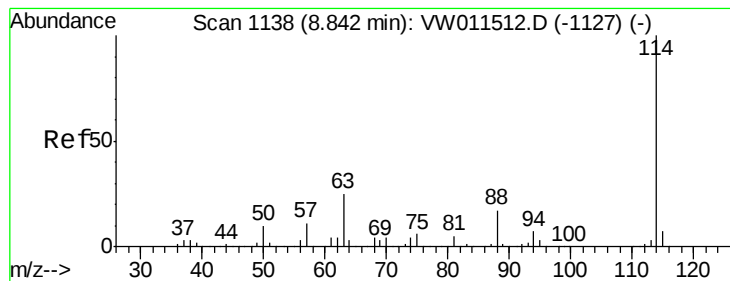
#33
1,2-Dichloroethane-d4
Concen: 57.378 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012119.D
Acq: 22 Aug 2019 18:52

Tgt Ion: 65 Resp: 141523
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2



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: VW012119.D

Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

SB-10-8.5-9.0

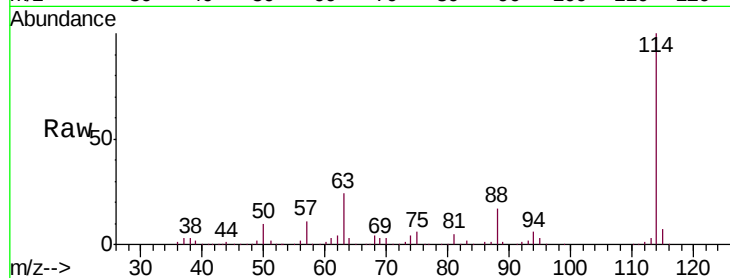
Tgt Ion:114 Resp: 370499

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 16.6 0.0 33.8



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

250000

200000

150000

100000

50000

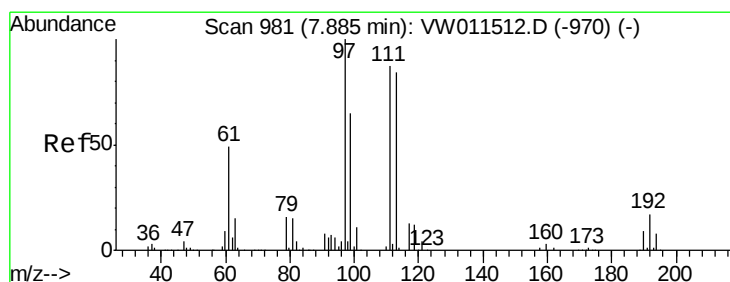
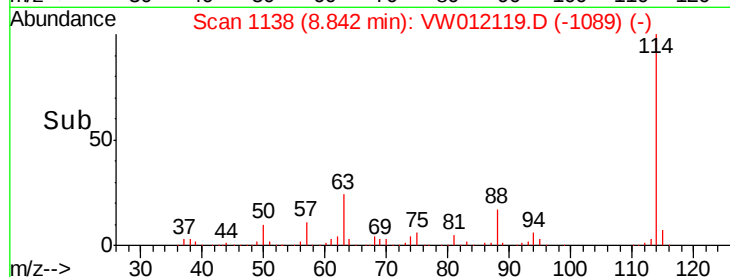
0

8.80

8.84

8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.555 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

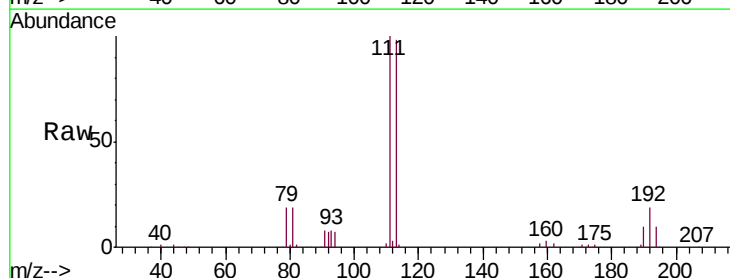
Tgt Ion:113 Resp: 113396

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 20.1 16.1 24.1



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

60000

40000

20000

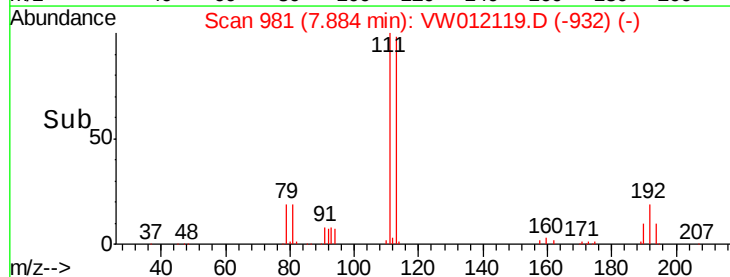
0

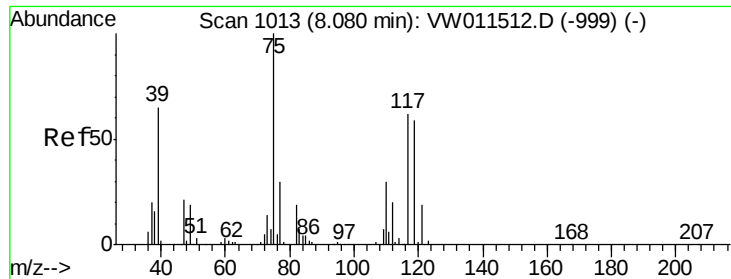
7.80

7.88

8.00

Time-->

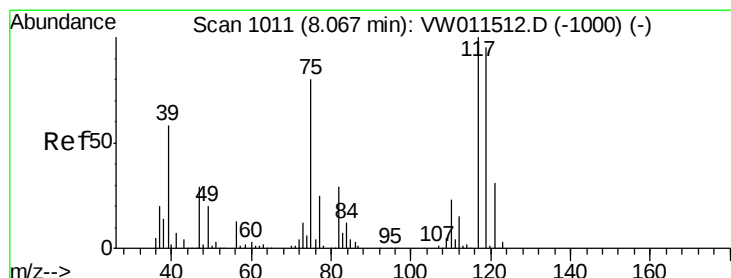
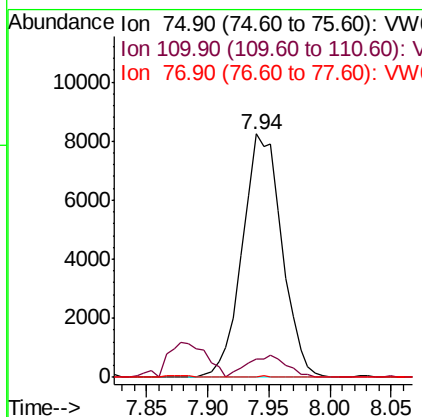
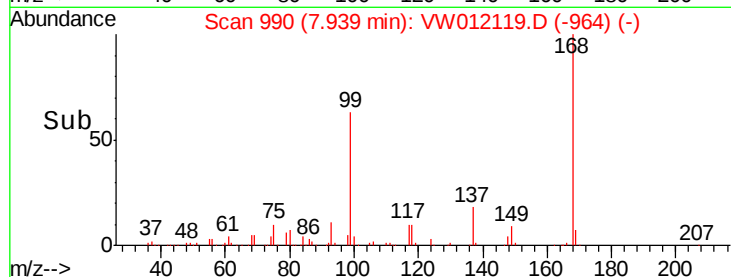
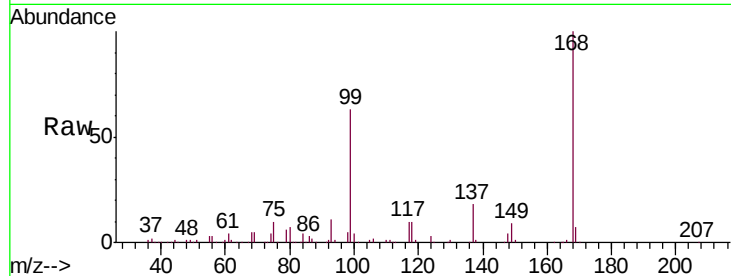




#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012119.D
 Acq: 22 Aug 2019 18:52

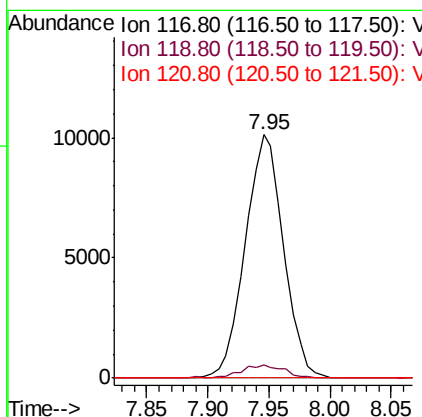
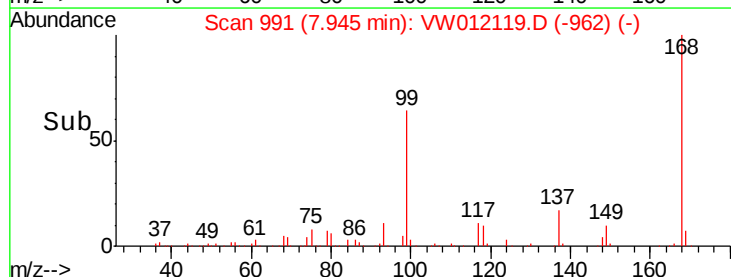
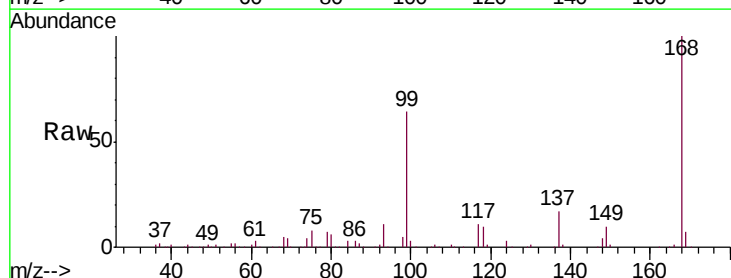
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-8.5-9.0

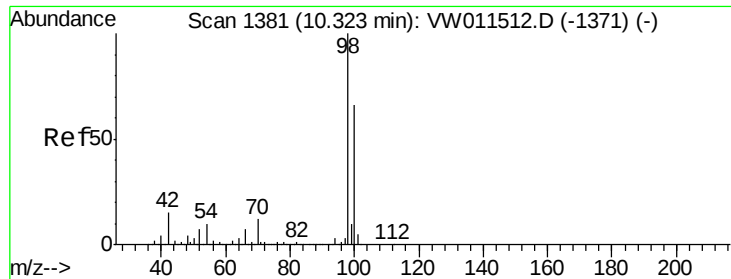
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.660 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012119.D
 Acq: 22 Aug 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.815 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

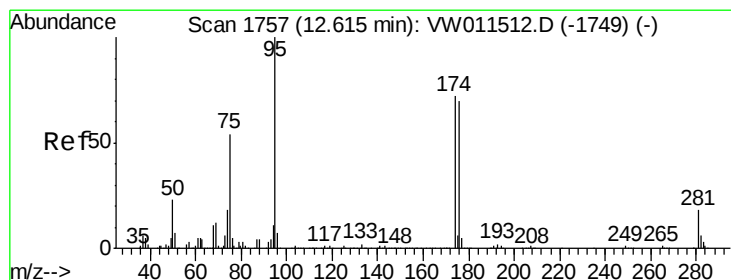
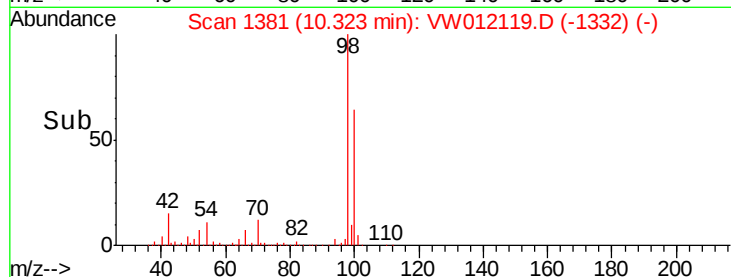
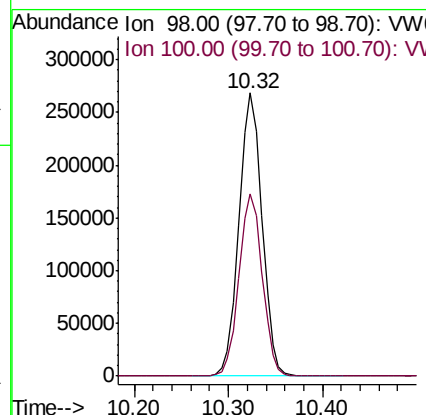
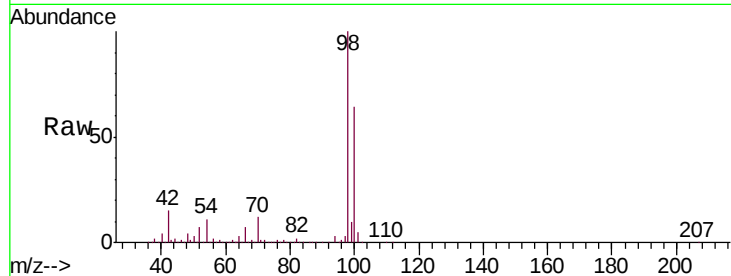
SB-10-8.5-9.0

Tgt Ion: 98 Resp: 457979

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 48.668 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

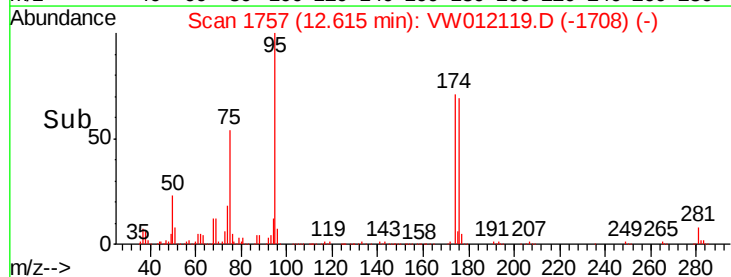
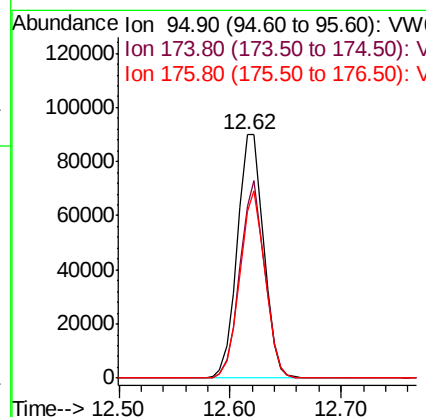
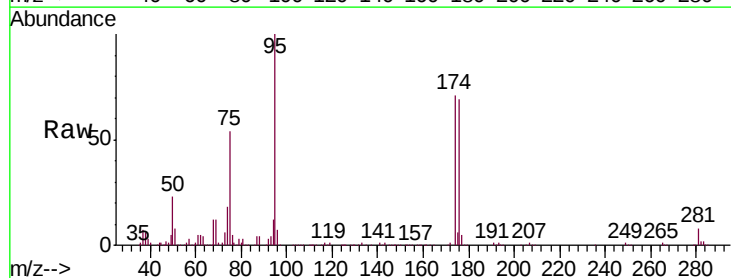
Tgt Ion: 95 Resp: 147663

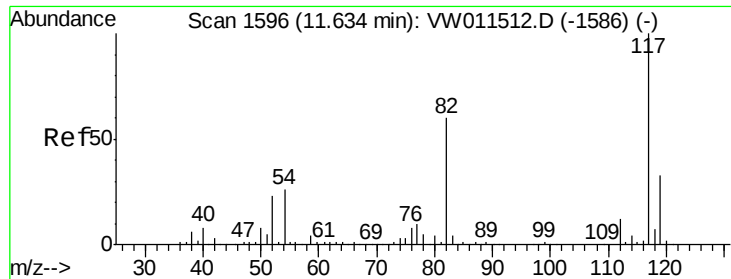
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

176 73.7 0.0 144.4

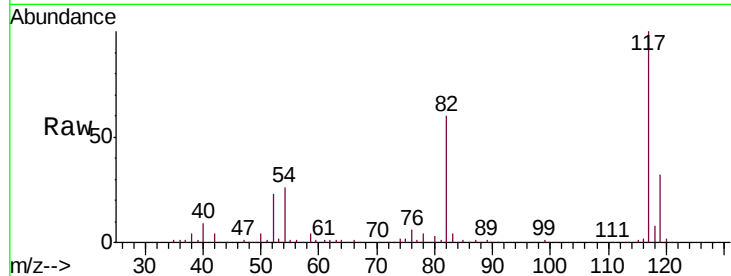




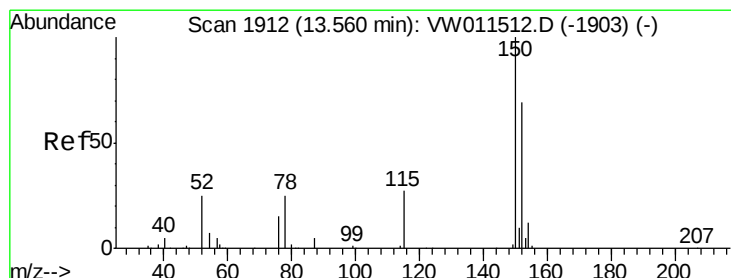
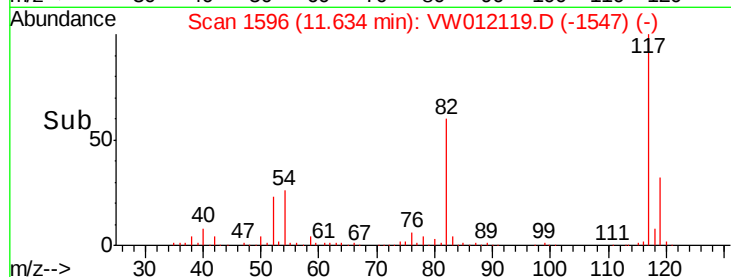
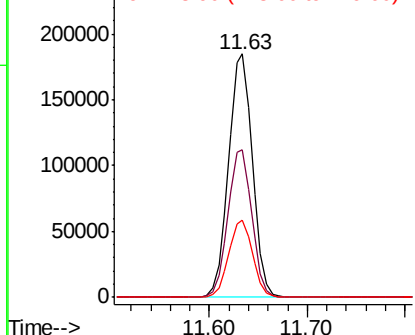
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012119.D
Acq: 22 Aug 2019 18:52

Instrument :
MSVOA_W
ClientSampleId :
SB-10-8.5-9.0

Tgt Ion:117 Resp: 312423
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 31.9 26.2 39.2

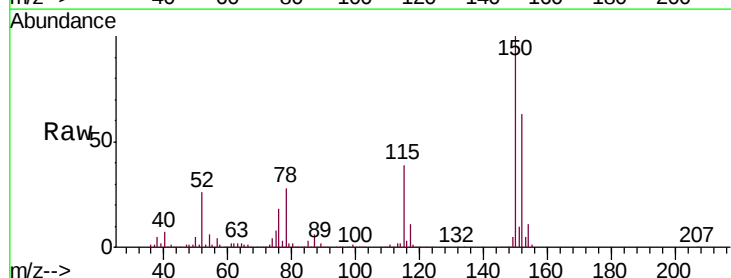


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

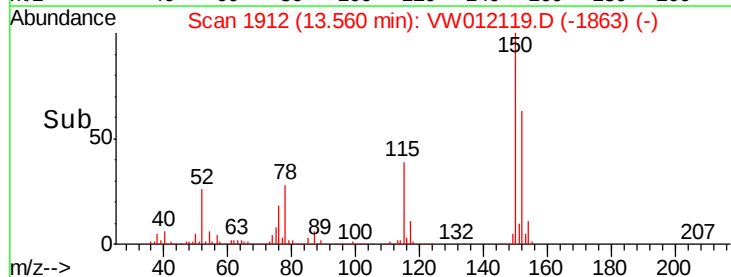
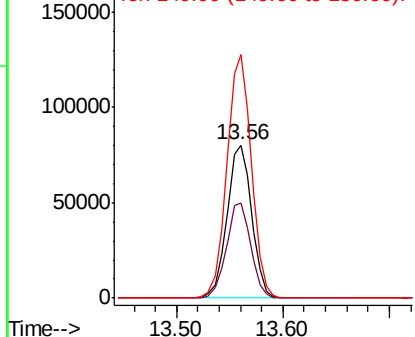


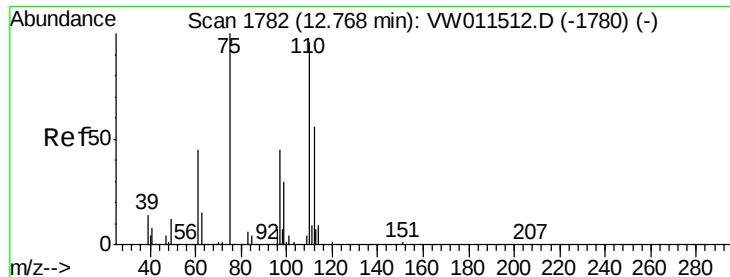
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012119.D
Acq: 22 Aug 2019 18:52

Tgt Ion:152 Resp: 130174
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 157.3 0.0 352.6



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: 57.483 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampled :

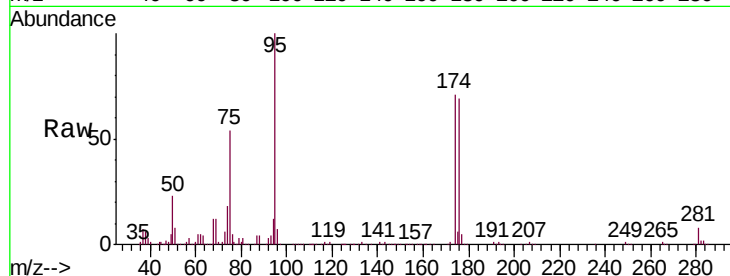
SB-10-8.5-9.0

Tgt Ion: 75 Resp: 79177

Ion Ratio Lower Upper

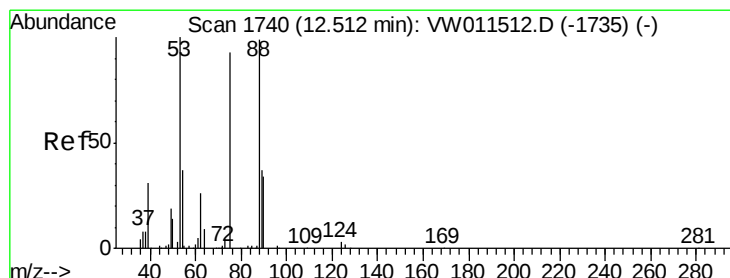
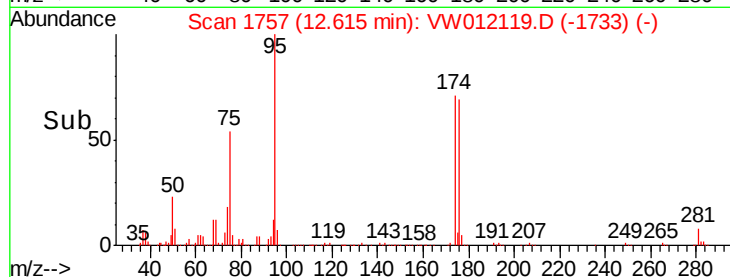
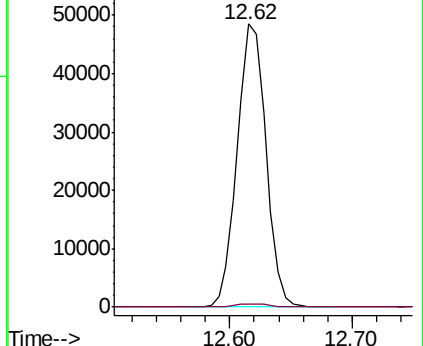
75 100

77 1.3 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: 132.479 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012119.D

Acq: 22 Aug 2019 18:52

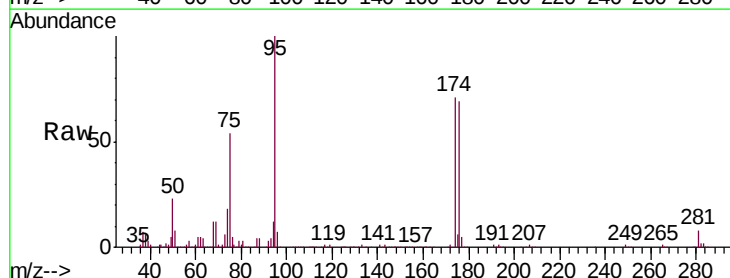
Tgt Ion: 75 Resp: 79177

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

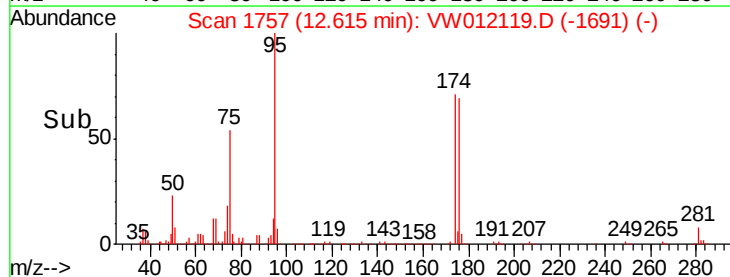
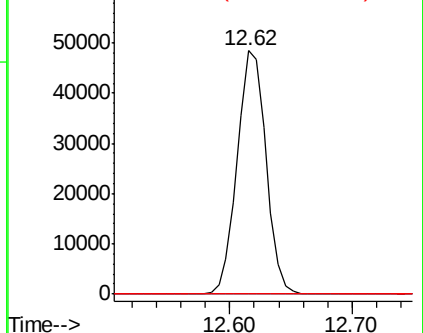
89 0.0 35.3 52.9#

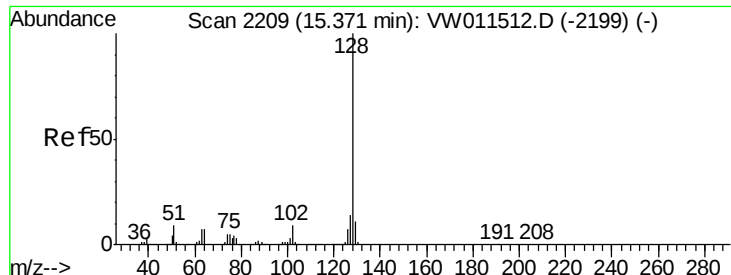


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.075 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012119.D

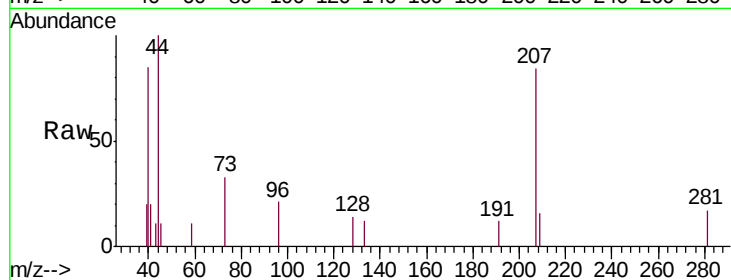
Acq: 22 Aug 2019 18:52

Instrument :

MSVOA_W

ClientSampleId :

SB-10-8.5-9.0



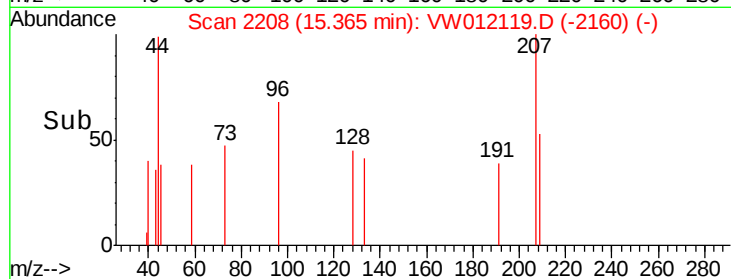
Tgt Ion:128 Resp: 47

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

