

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013092.D
 Acq On : 17 Sep 2019 16:04
 Operator : SY/VA
 Sample : K4846-01
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:33:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

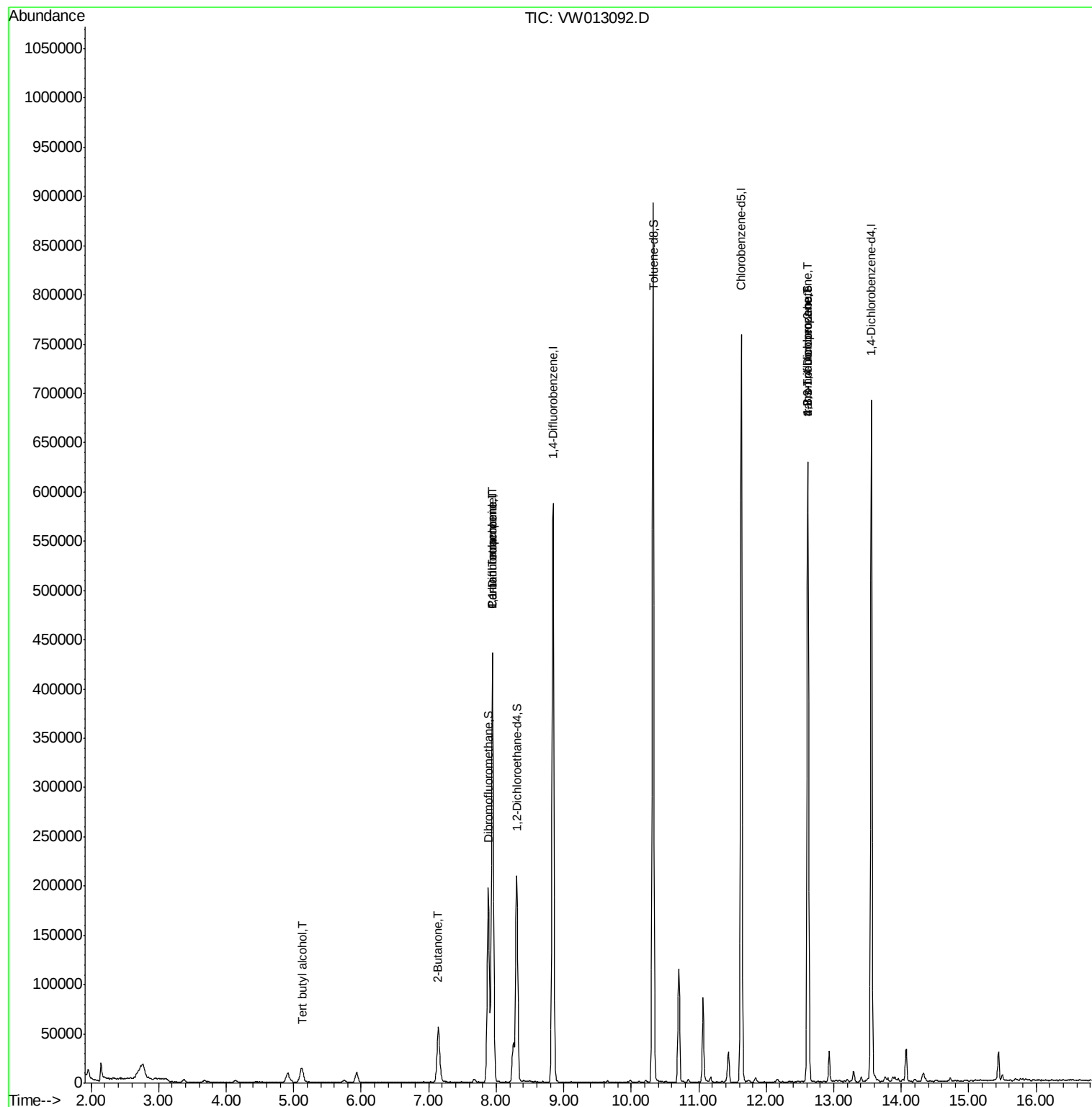
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187574	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	166107	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	7.88	113	144494	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
50) Toluene-d8	10.32	98	589247	55.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	12.62	95	189062	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	338	Below Cal	#	44
3) Chloromethane	2.20	50	402	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	14703	53.466	ug/l #	74
13) Acrolein	3.90	56	28	Below Cal		98
16) Acetone	4.15	43	3830	Below Cal		94
20) Methylene Chloride	4.91	84	6524	Below Cal	#	84
25) 2-Butanone	7.14	43	3512	3.565	ug/l	98
26) 2,2-Dichloropropane	7.15	77	4424	Below Cal	#	55
31) Cyclohexane	7.94	56	6896	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	25551	6.413	ug/l #	52
38) Carbon Tetrachloride	7.95	117	31195	7.640	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	96417	58.684	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96417	133.122	ug/l #	7

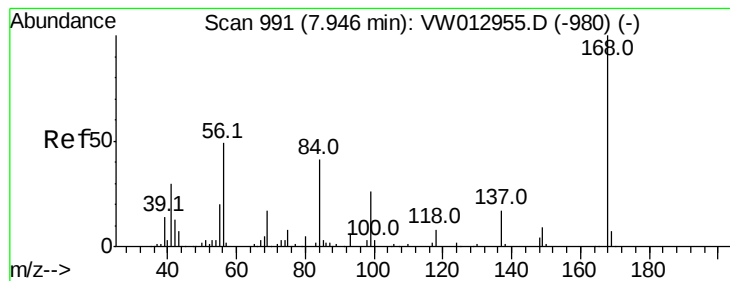
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091719\
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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013092.D

Acq: 17 Sep 2019 16:04

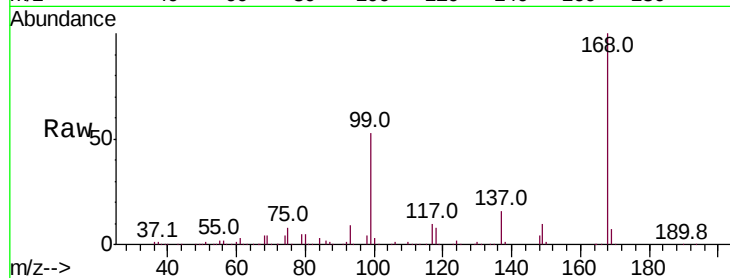
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 335446

Ion Ratio Lower Upper

168 100

99 53.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW012955.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012955.D (-980) (-)

7.95

150000

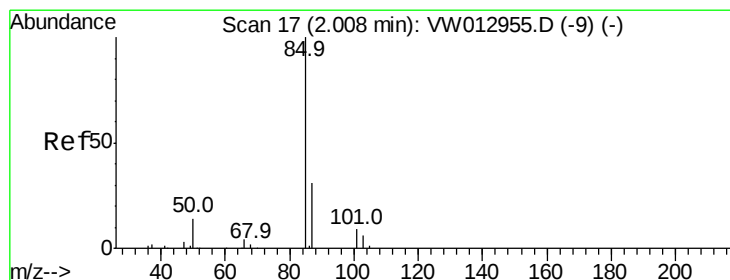
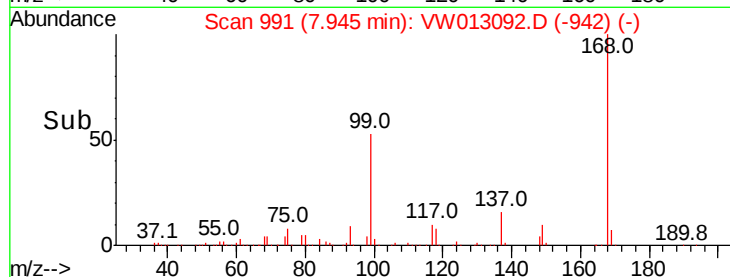
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013092.D

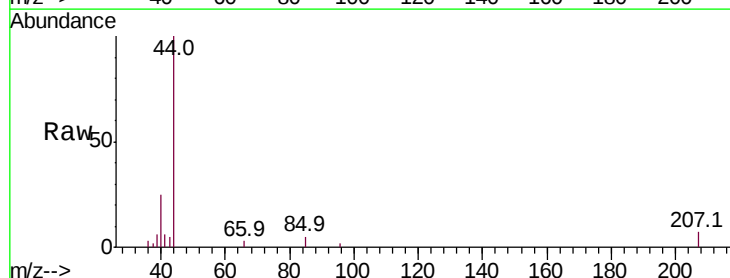
Acq: 17 Sep 2019 16:04

Tgt Ion: 85 Resp: 338

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW012955.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW012955.D (-9) (-)

2.00

150

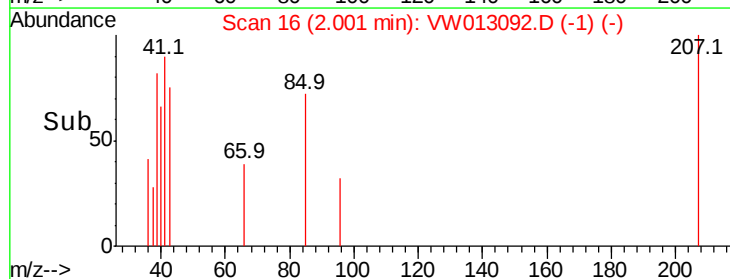
100

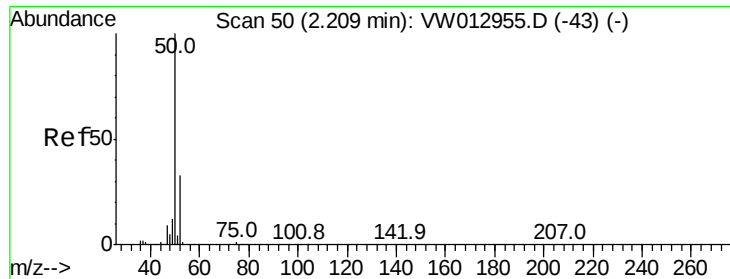
50

0

2.00 2.05

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

Instrument :

MSVOA_W

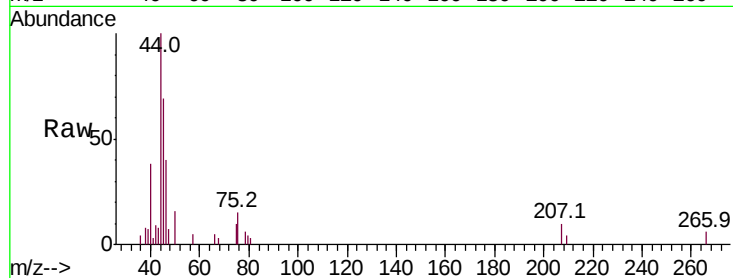
ClientSampleId :

Tot Ion: 50 Resp: 402

Ion Ratio Lower Upper

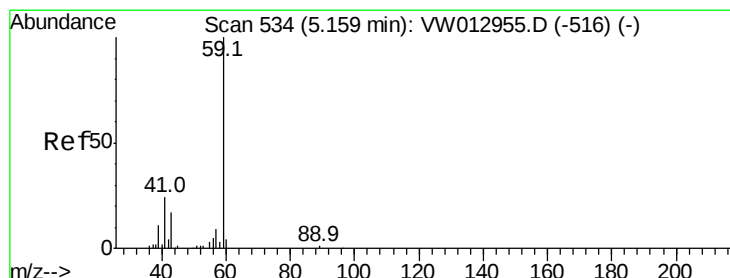
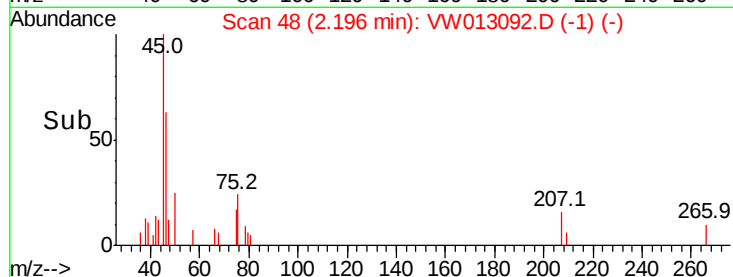
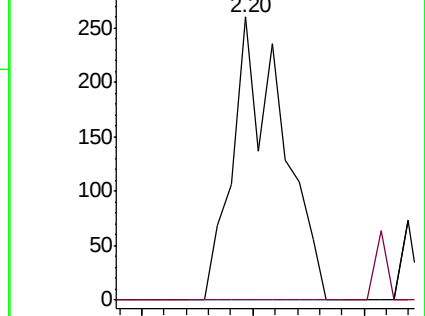
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: 53.466 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013092.D

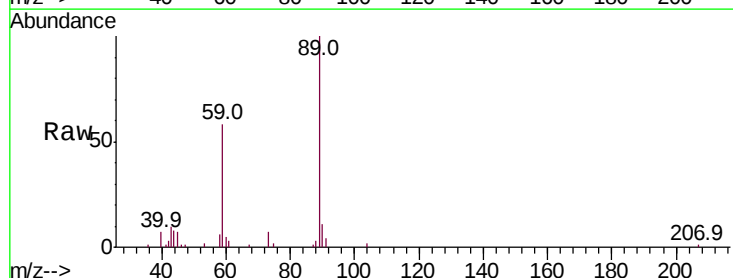
Acq: 17 Sep 2019 16:04

Tgt Ion: 59 Resp: 14703

Ion Ratio Lower Upper

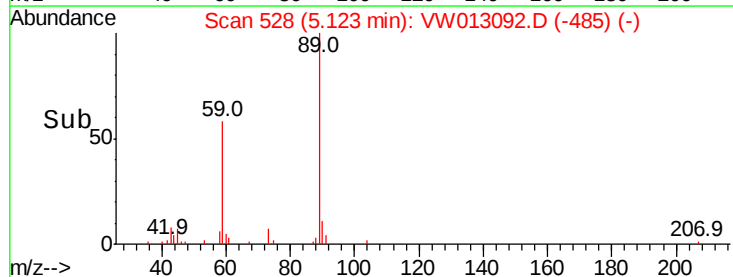
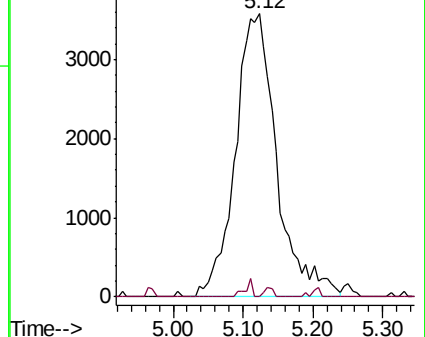
59 100

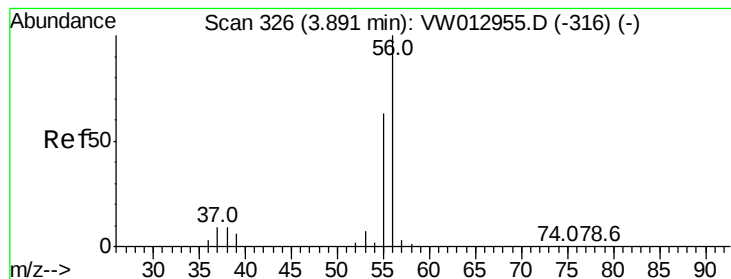
57 0.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

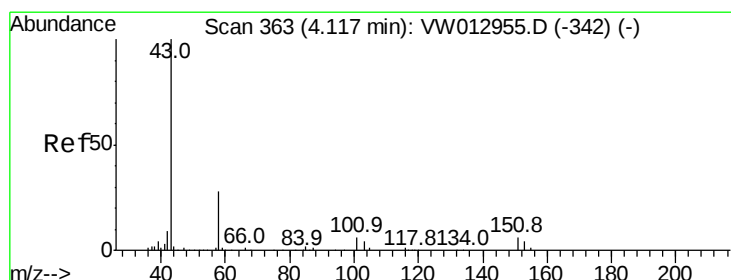
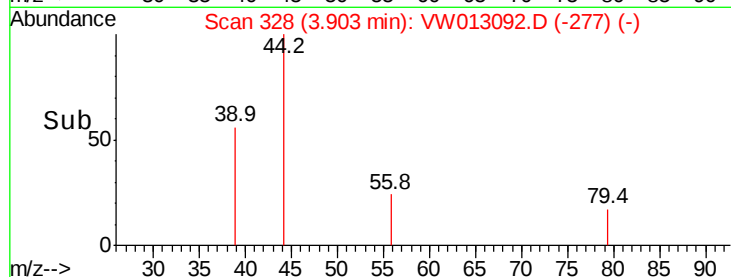
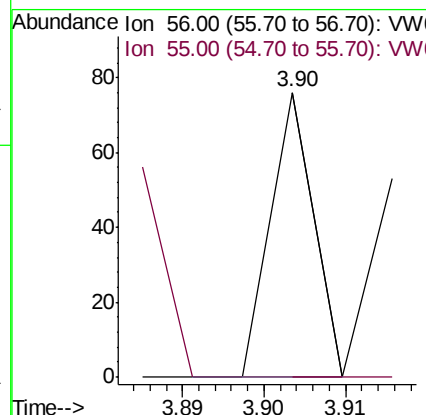
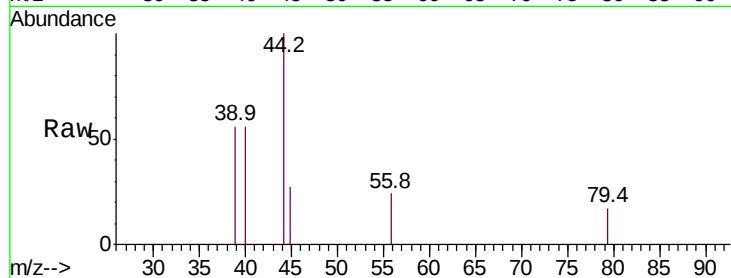
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 71.4 55.8 83.8



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013092.D

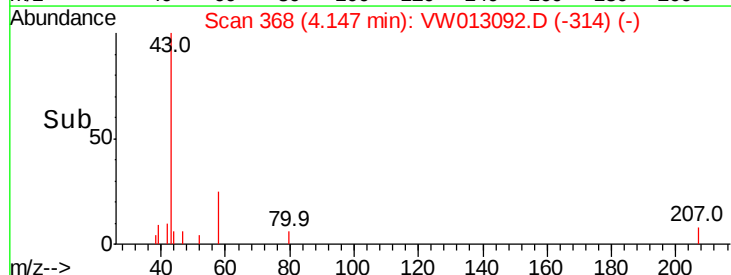
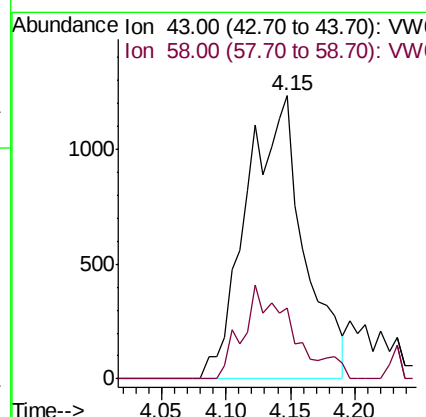
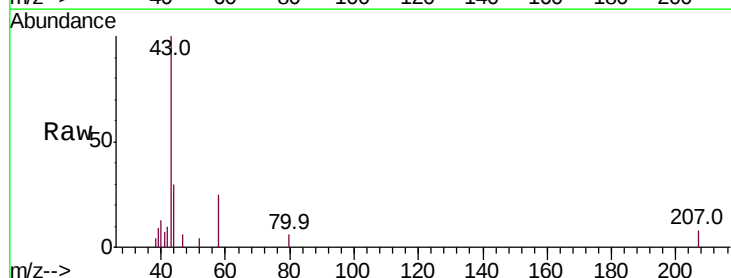
Acq: 17 Sep 2019 16:04

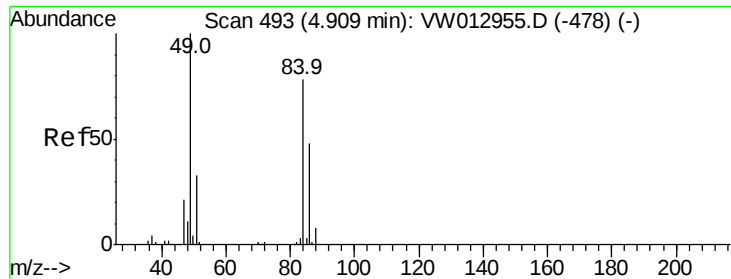
Tgt Ion: 43 Resp: 3830

Ion Ratio Lower Upper

43 100

58 25.0 22.3 33.5

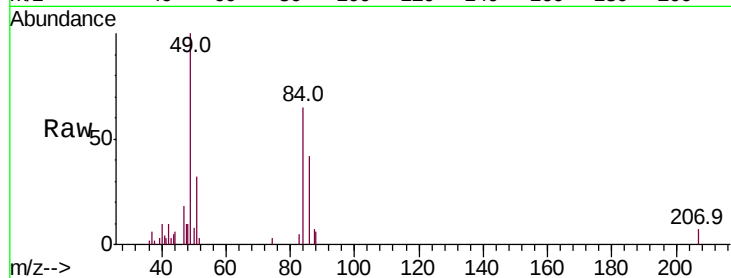




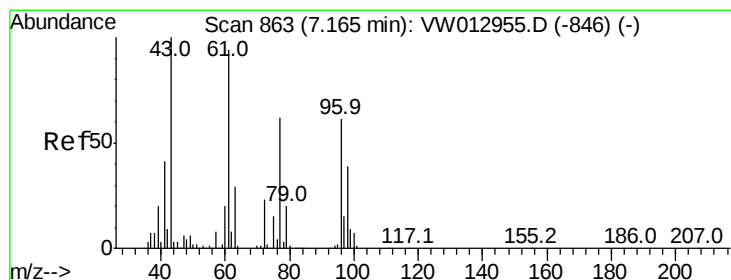
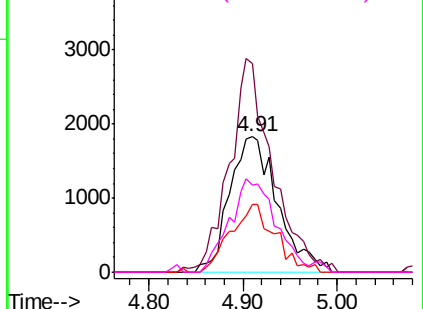
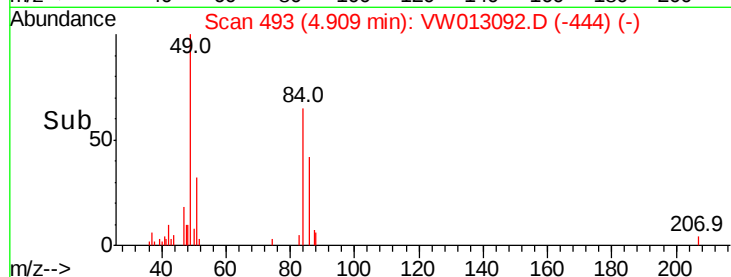
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6524
Ion Ratio Lower Upper
84 100
49 154.2 102.0 153.0#
51 49.9 34.0 51.0
86 64.1 48.5 72.7

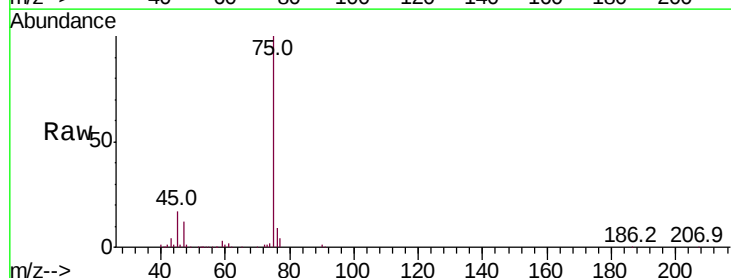


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

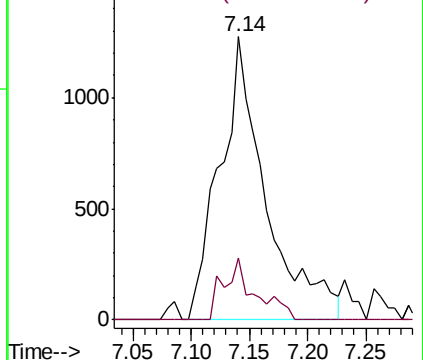
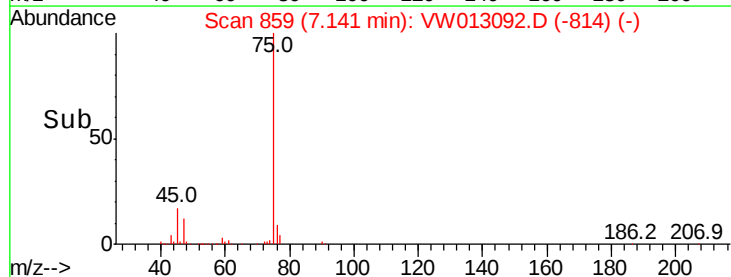


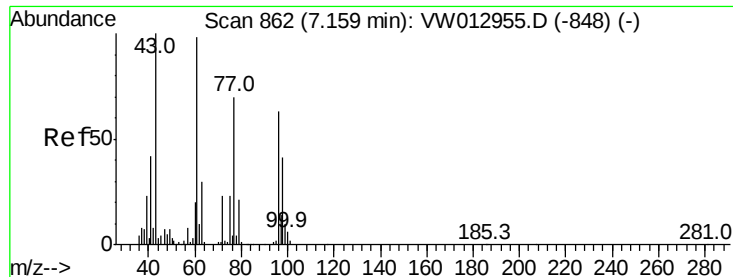
#25
2-Butanone
Concen: 3.565 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Tgt Ion: 43 Resp: 3512
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

Instrument :

MSVOA_W

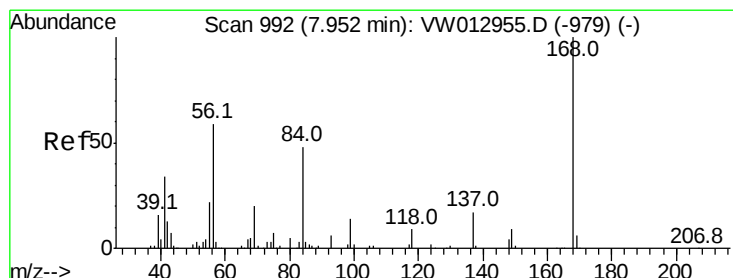
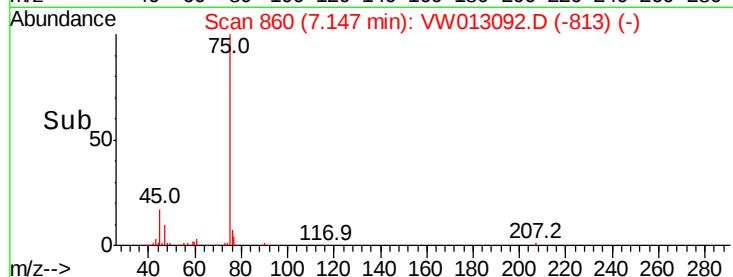
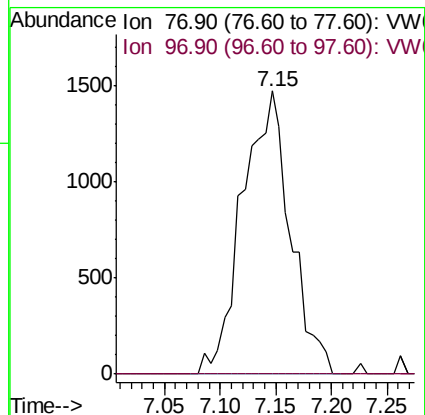
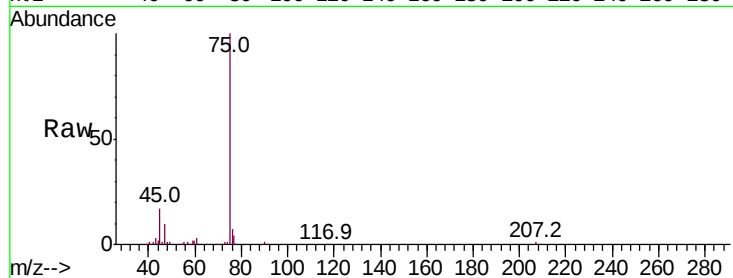
ClientSampleId :

Tot Ion: 77 Resp: 4424

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

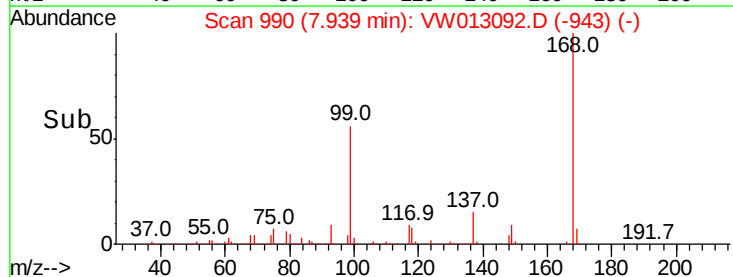
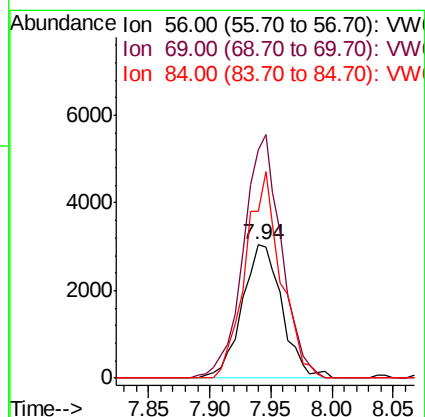
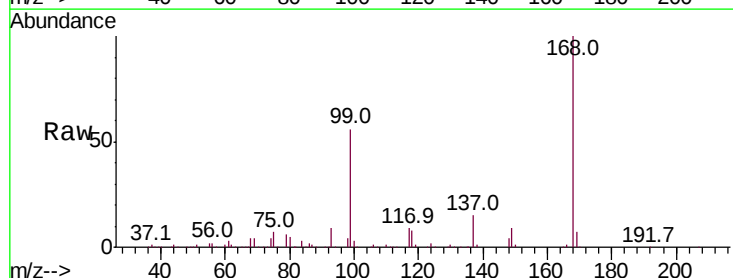
Tgt Ion: 56 Resp: 6896

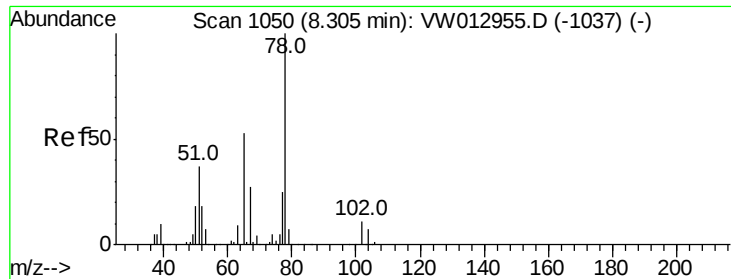
Ion Ratio Lower Upper

56 100

69 171.7 27.0 40.6#

84 125.2 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 53.616 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

Instrument :

MSVOA_W

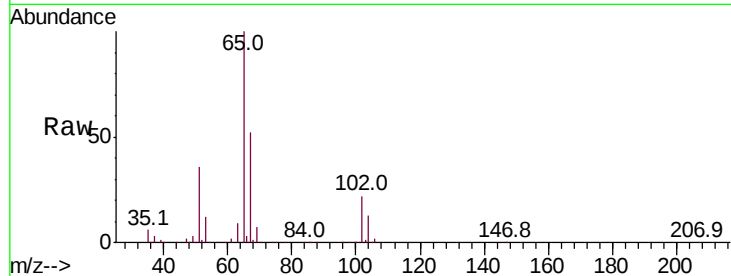
ClientSampleId :

Tot Ion: 65 Resp: 166107

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

80000

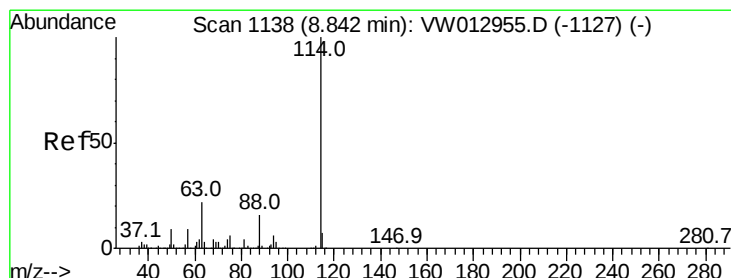
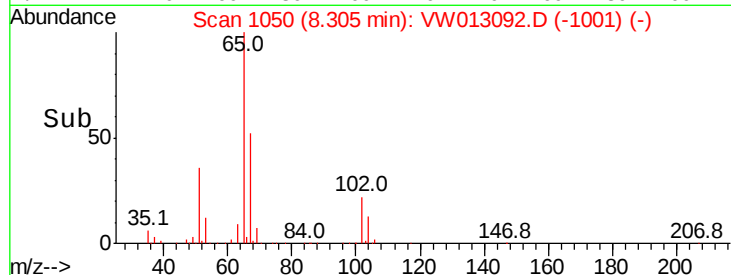
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

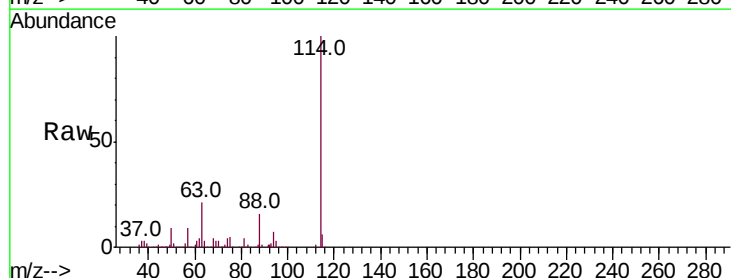
Tgt Ion: 114 Resp: 498633

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.2 0.0 31.6



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

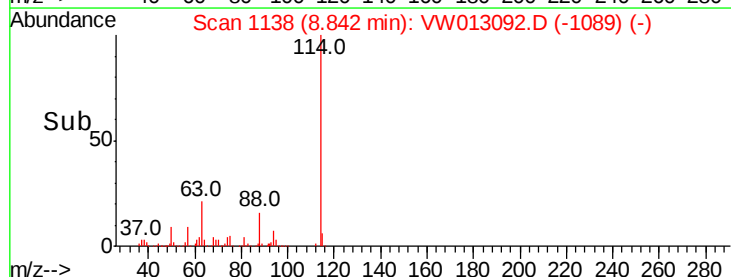
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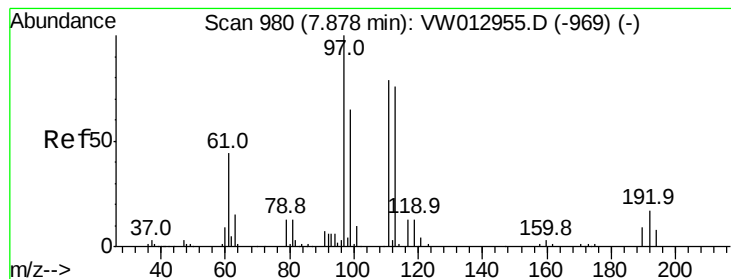
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 53.405 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

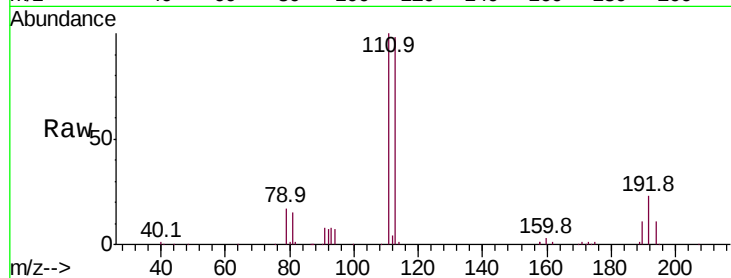
Tot Ion:113 Resp: 144494

Ion Ratio Lower Upper

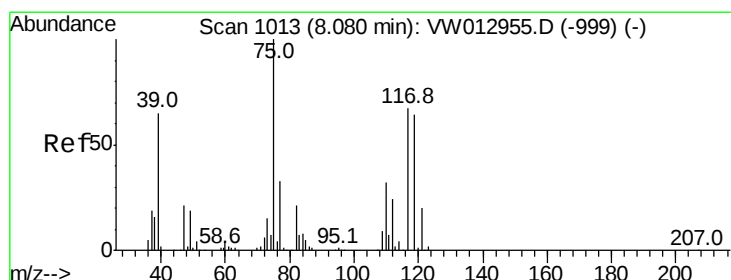
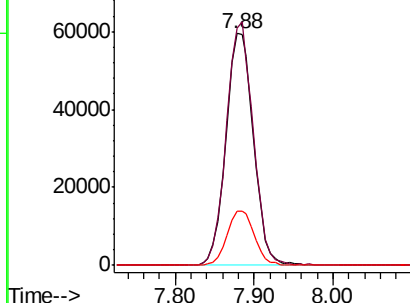
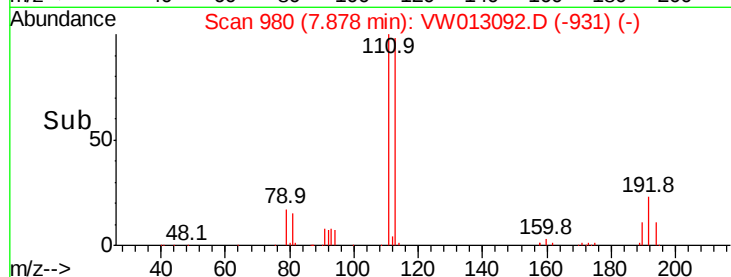
113 100

111 102.3 82.8 124.2

192 23.1 17.8 26.8



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: 6.413 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

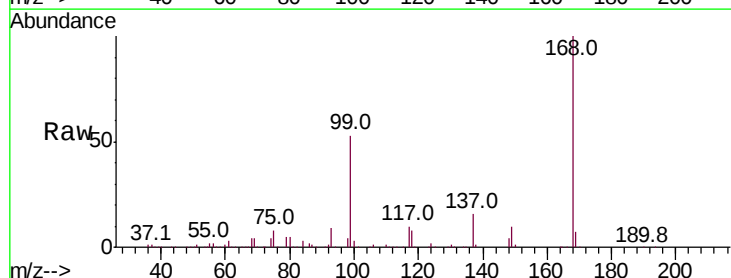
Tgt Ion: 75 Resp: 25551

Ion Ratio Lower Upper

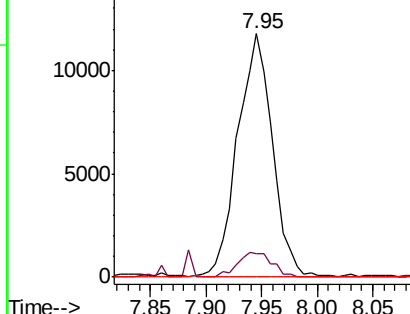
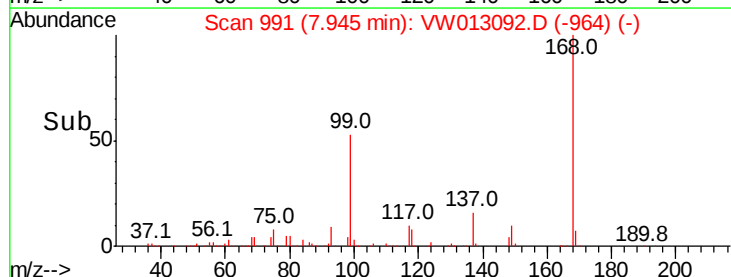
75 100

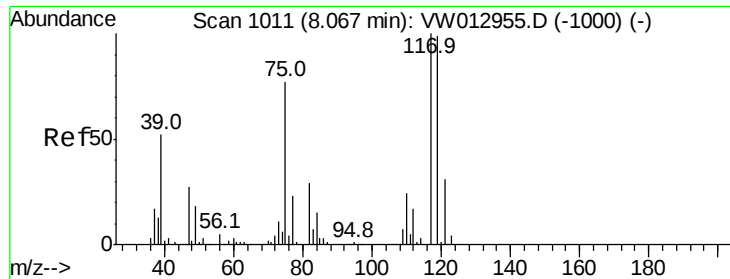
110 10.1 16.4 49.1#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

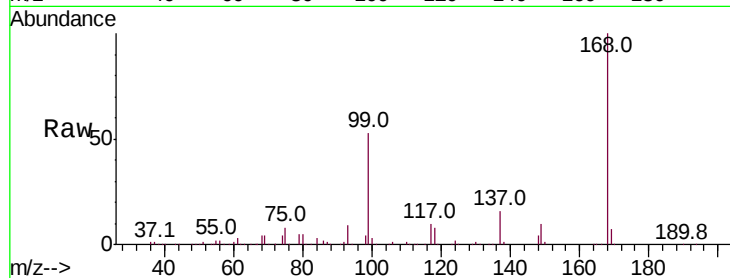




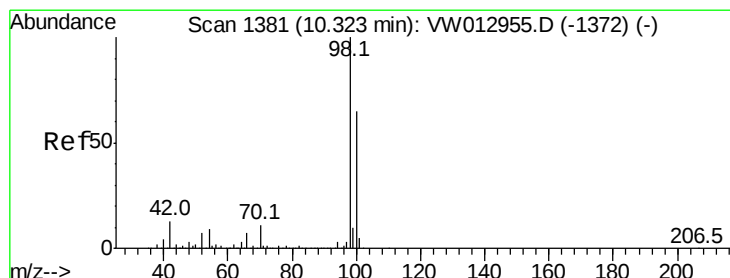
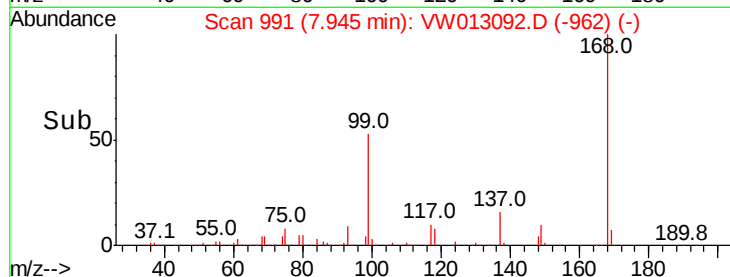
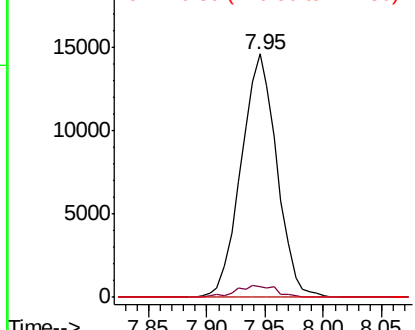
#38
Carbon Tetrachloride
Concen: 7.640 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 31195
Ion Ratio Lower Upper
117 100
119 4.6 79.4 119.0#
121 0.0 24.6 36.8#

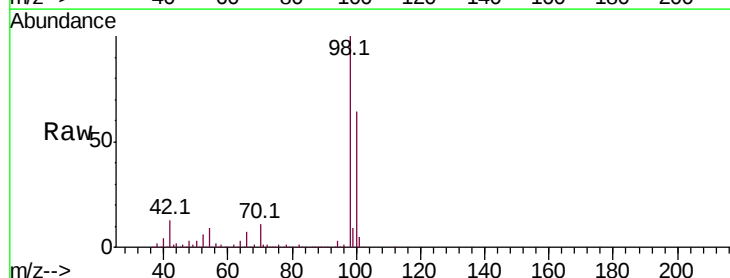


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

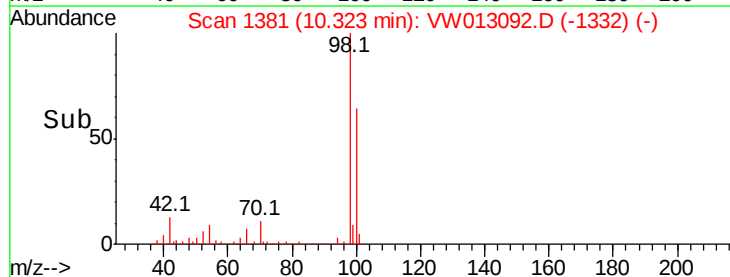
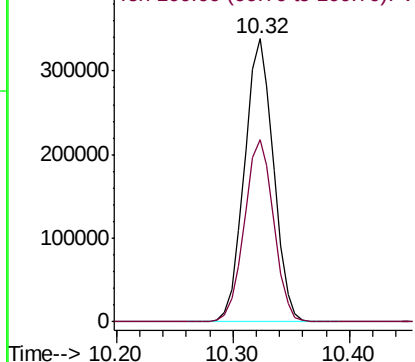


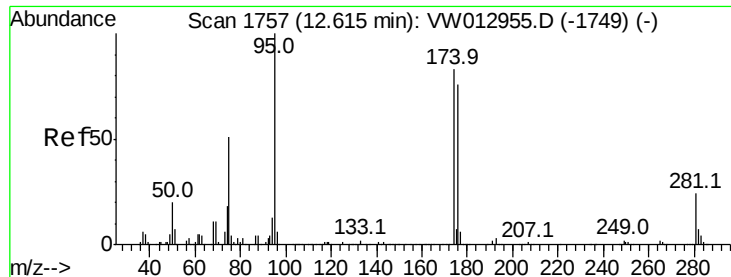
#50
Toluene-d8
Concen: 55.655 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Tgt Ion: 98 Resp: 589247
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

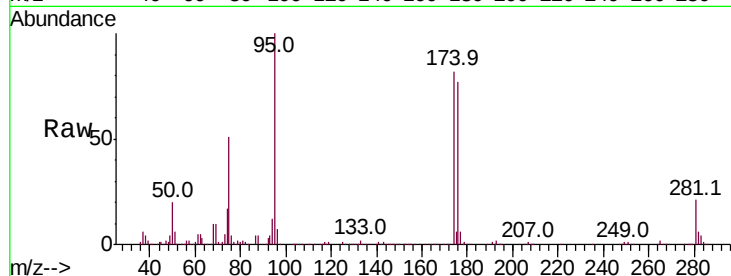




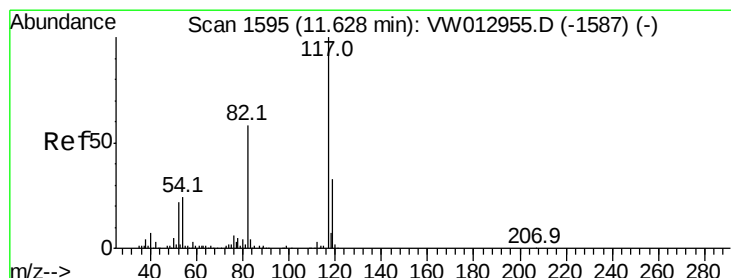
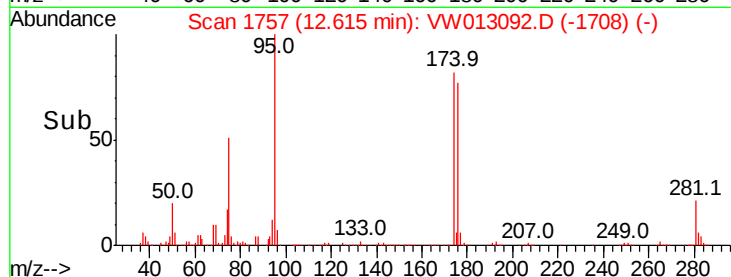
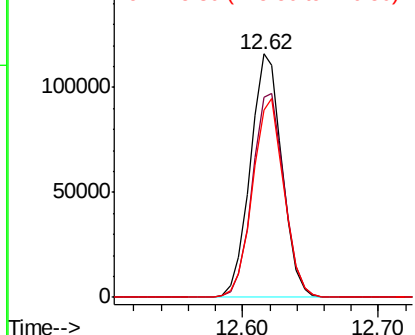
#62
4-Bromofluorobenzene
Concen: 49.661 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	170.4
176	81.2	0.0	164.6

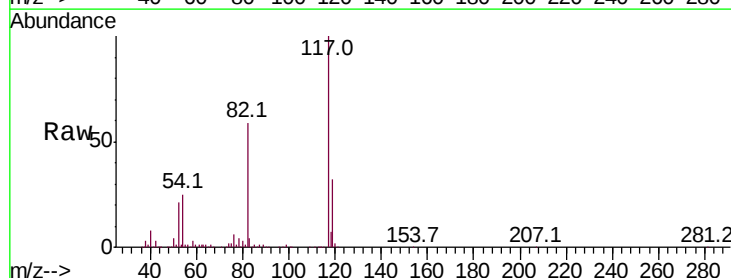


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

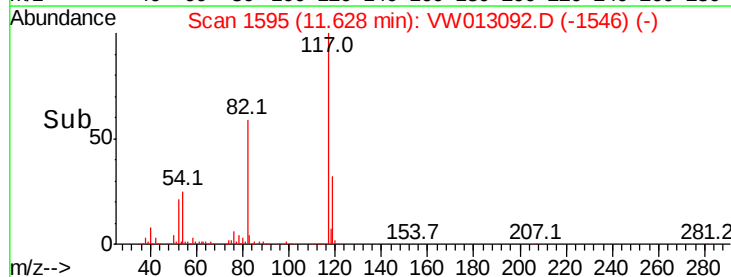
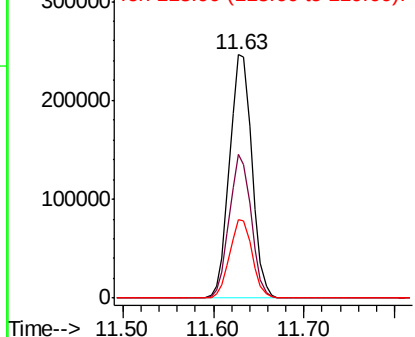


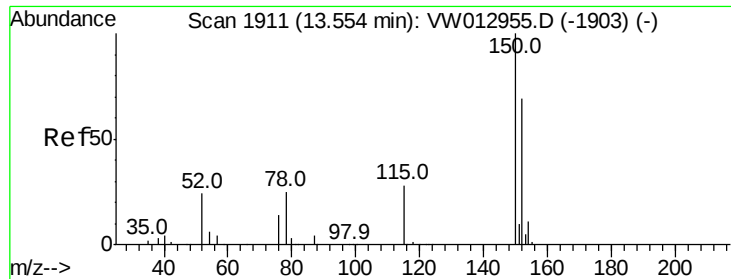
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.3	69.5
119	32.5	26.2	39.4



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



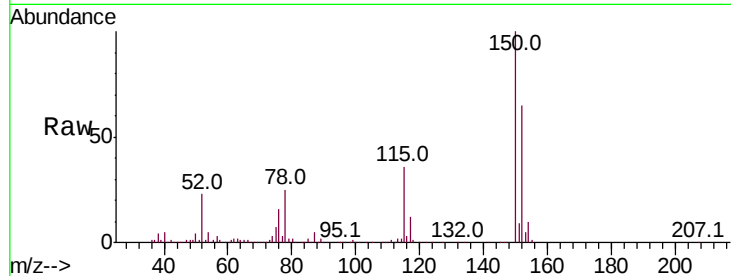


#72

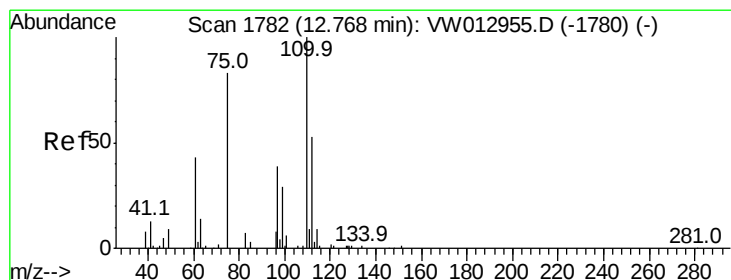
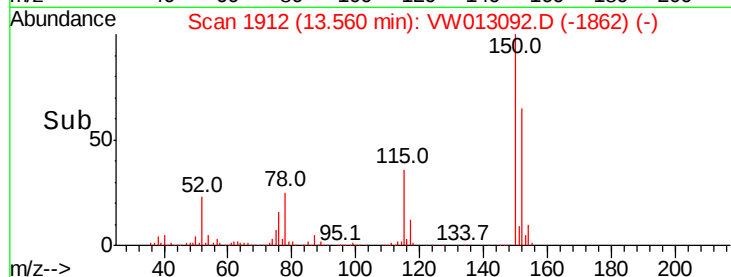
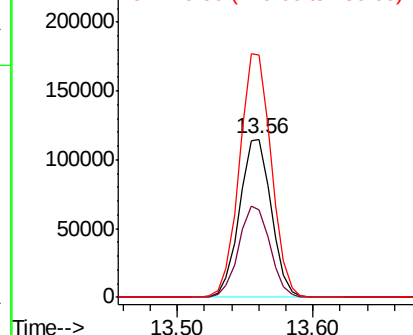
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 187574
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.4
150 153.9 0.0 340.2



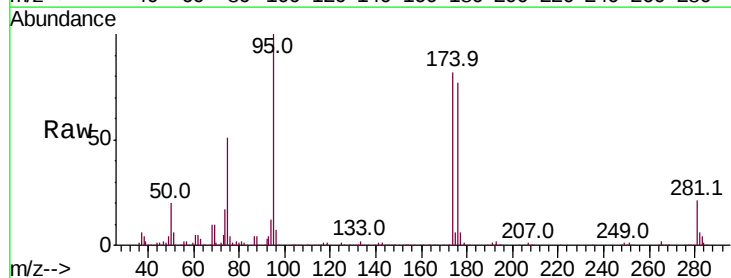
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



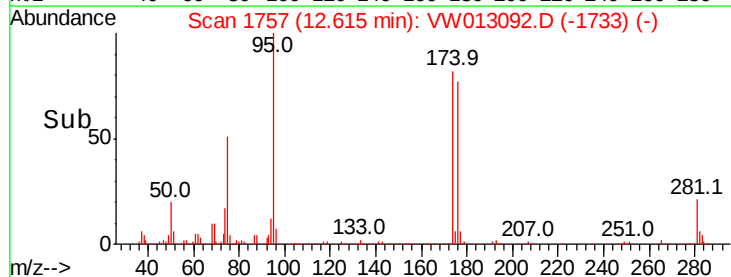
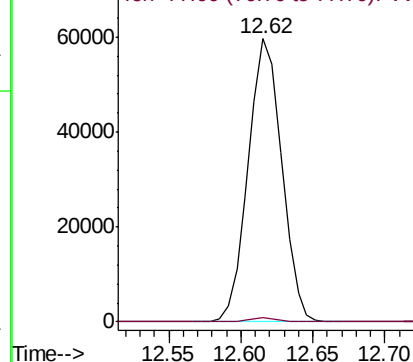
#76

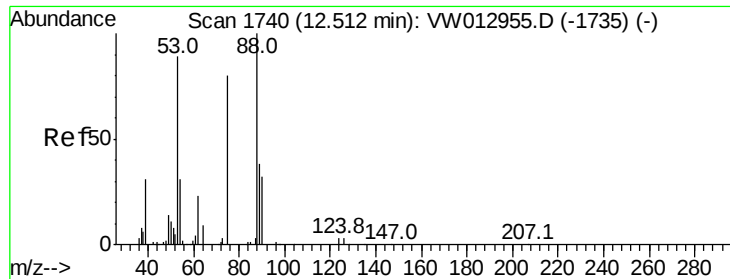
1,2,3-Trichloropropane
Concen: 58.684 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013092.D
Acq: 17 Sep 2019 16:04

Tgt Ion: 75 Resp: 96417
Ion Ratio Lower Upper
75 100
77 1.2 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: 133.122 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013092.D

Acq: 17 Sep 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 96417

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.1 37.2 55.8#

