

Data File : VW010551.D
Acq On : 24 May 2019 15:32
Operator : SY/VA
Sample : K2643-11RE
Misc : 6.75G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-03-052319-B

Quant Time: May 25 01:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	219940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	184990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67387	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
35) Dibromofluoromethane	7.88	113	65682	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.32	98	264881	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	91420	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	

Target Compounds

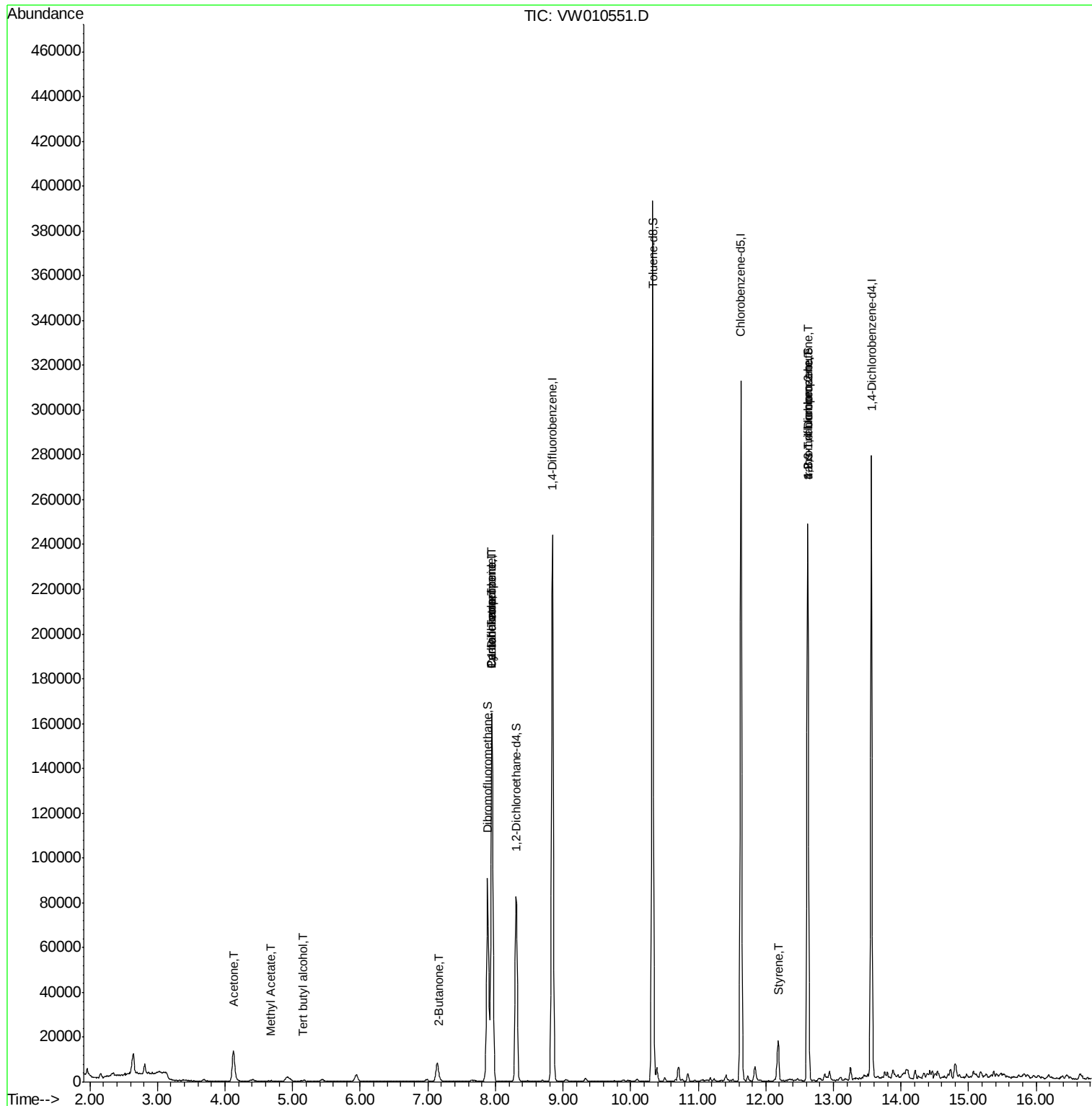
						Qvalue
2) Dichlorodifluoromethane	1.99	85	22	Below Cal	#	42
11) Tert butyl alcohol	5.15	59	488	4.351	ug/l #	71
16) Acetone	4.12	43	24187	95.024	ug/l	100
18) Methyl Acetate	4.68	43	785	1.261	ug/l #	57
20) Methylene Chloride	4.92	84	1524	Below Cal	#	93
25) 2-Butanone	7.17	43	632	1.735	ug/l #	45
31) Cyclohexane	7.95	56	2460	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9427	4.601	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12942	5.856	ug/l #	15
70) Styrene	12.18	104	8433	1.921	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	42761	58.089	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	42761	121.232	ug/l #	14

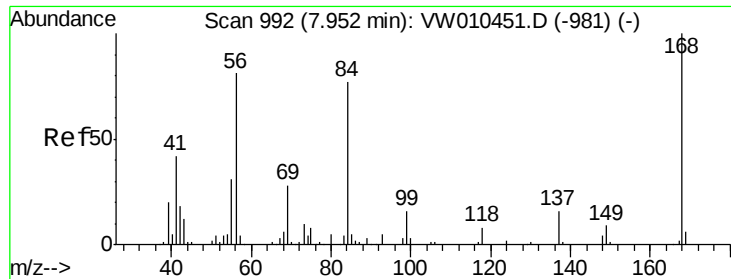
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010551.D
Acq On : 24 May 2019 15:32
Operator : SY/VA
Sample : K2643-11RE
Misc : 6.75G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-03-052319-B

Quant Time: May 25 01:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

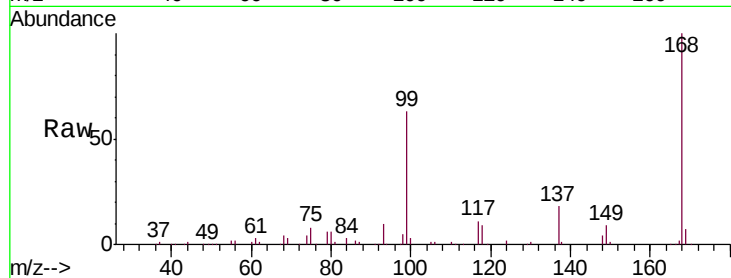
OR-03-052319-B

Tgt Ion: 168 Resp: 120811

Ion Ratio Lower Upper

168 100

99 63.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

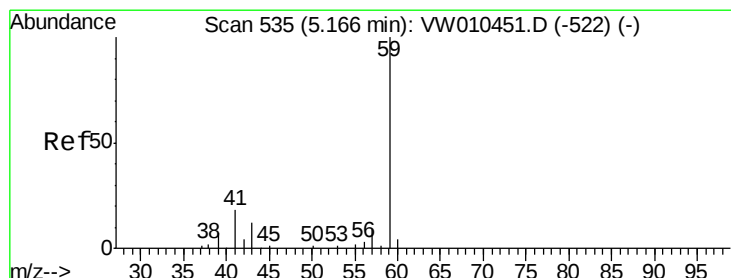
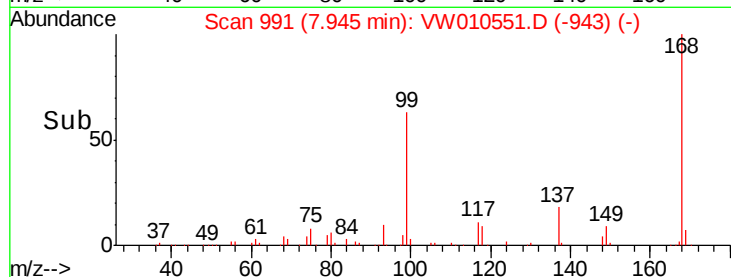
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.351 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010551.D

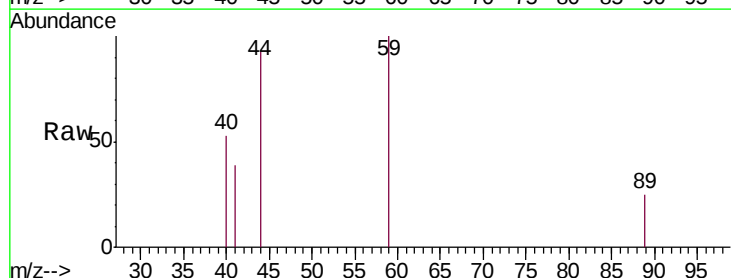
Acq: 24 May 2019 15:32

Tgt Ion: 59 Resp: 488

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

300

250

200

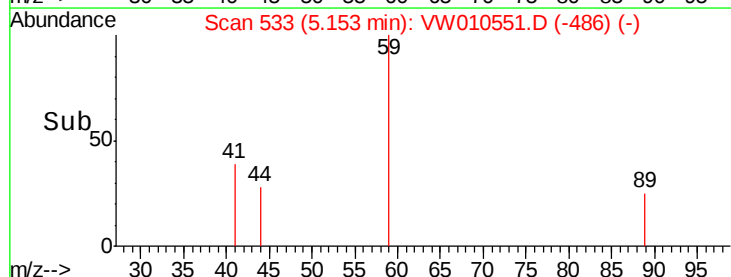
150

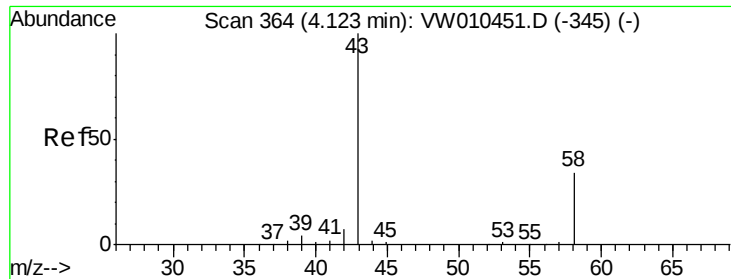
100

50

0

Time-->





#16

Acetone

Concen: 95.024 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

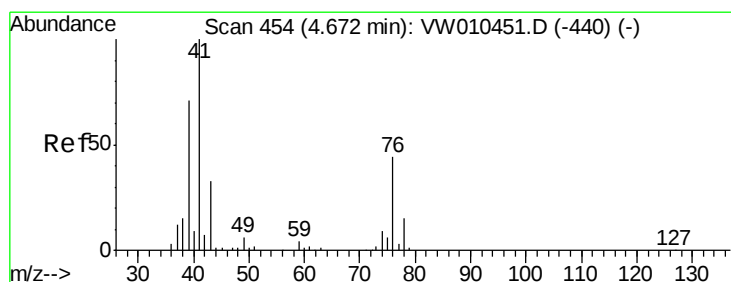
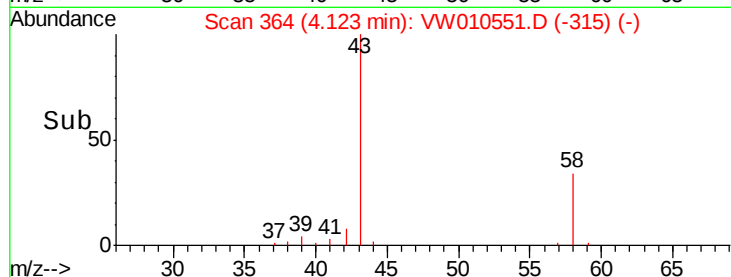
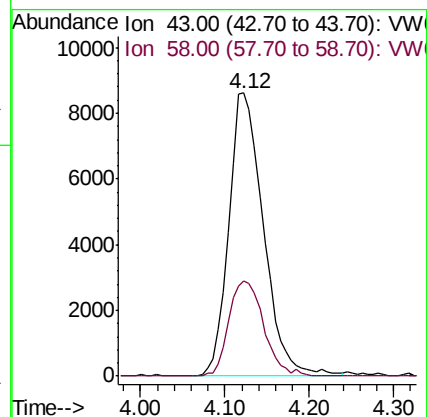
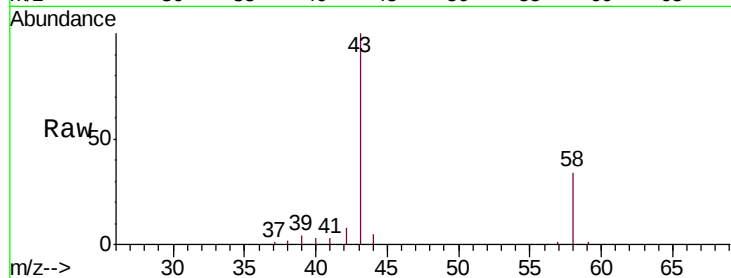
OR-03-052319-B

Tgt Ion: 43 Resp: 24187

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4



#18

Methyl Acetate

Concen: 1.261 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW010551.D

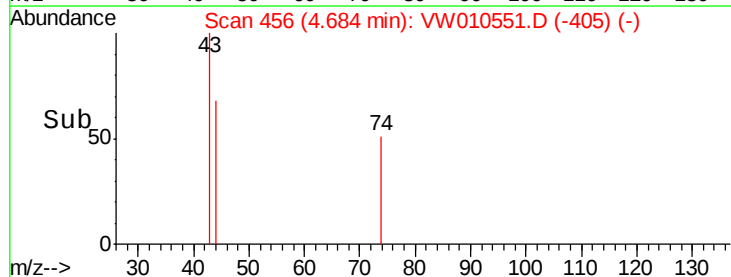
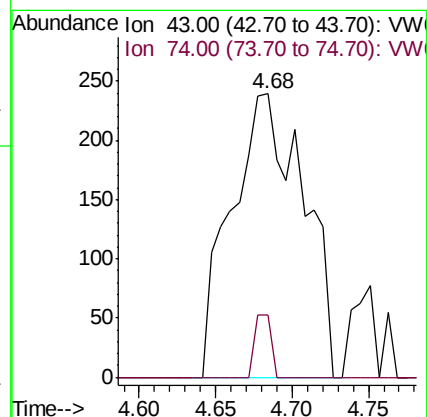
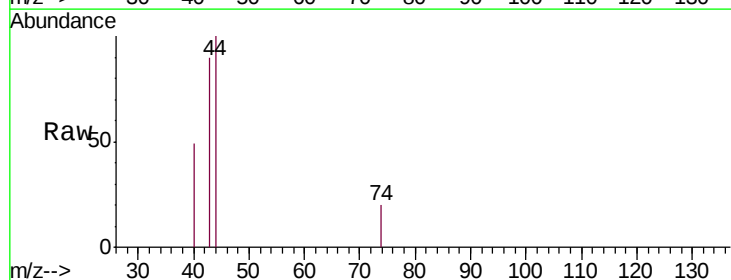
Acq: 24 May 2019 15:32

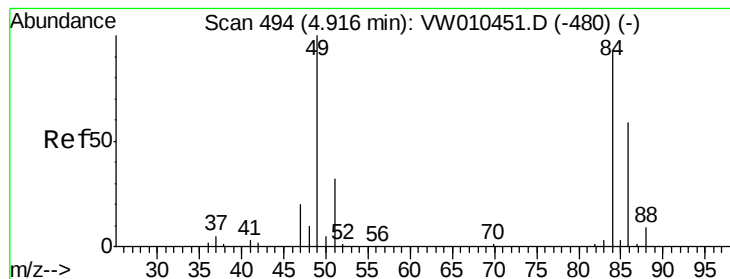
Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

74 4.8 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-B

Tgt Ion: 84 Resp: 1524

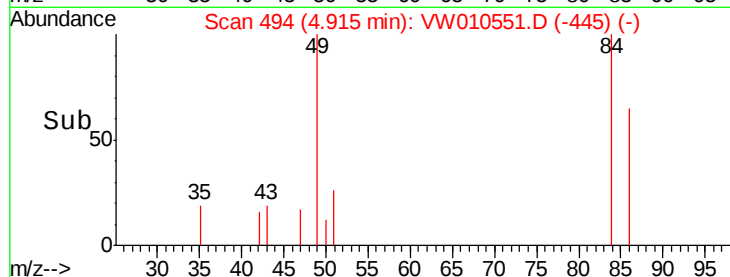
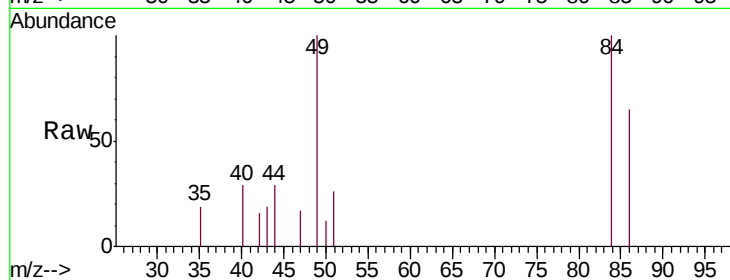
Ion Ratio Lower Upper

84 100

49 100.0 87.2 130.8

51 26.4 27.7 41.5#

86 65.2 51.4 77.0

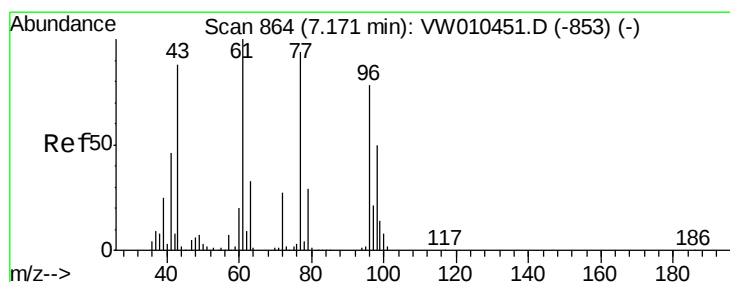
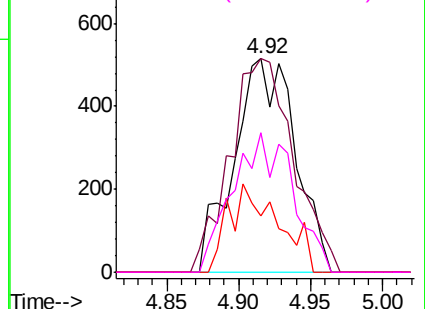


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.735 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010551.D

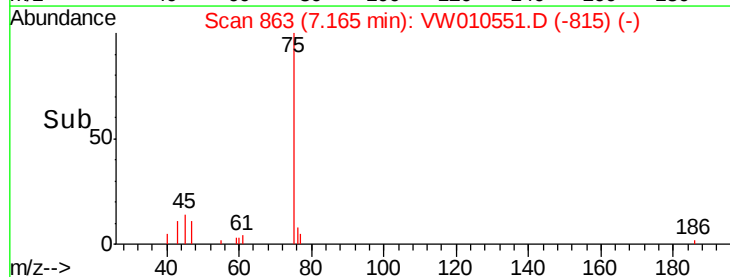
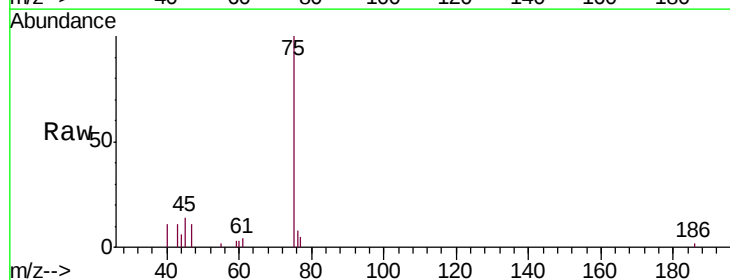
Acq: 24 May 2019 15:32

Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

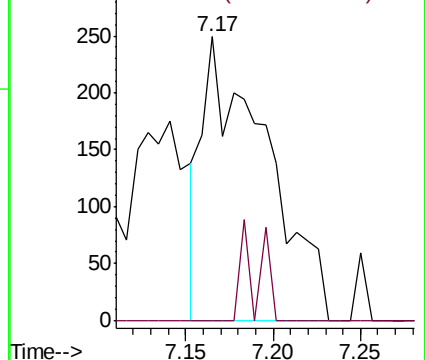
43 100

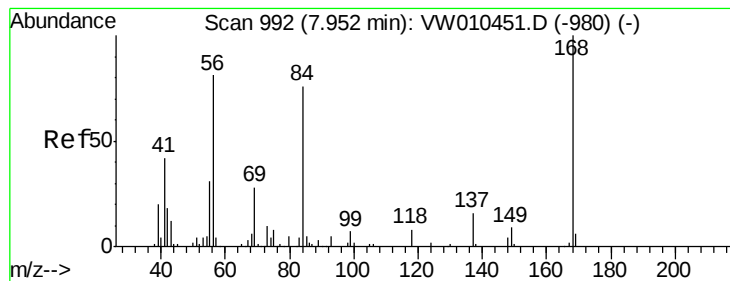
72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.039 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-B

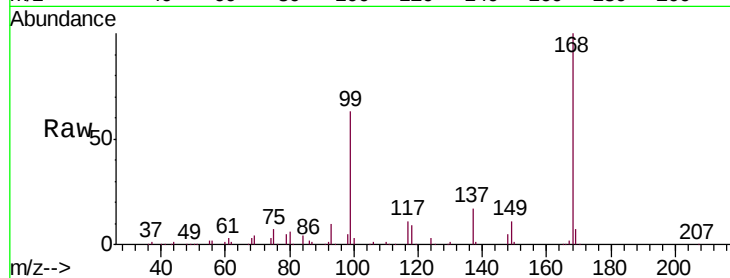
Tgt Ion: 56 Resp: 2460

Ion Ratio Lower Upper

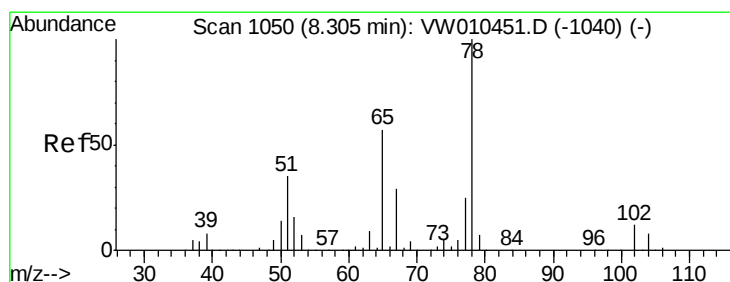
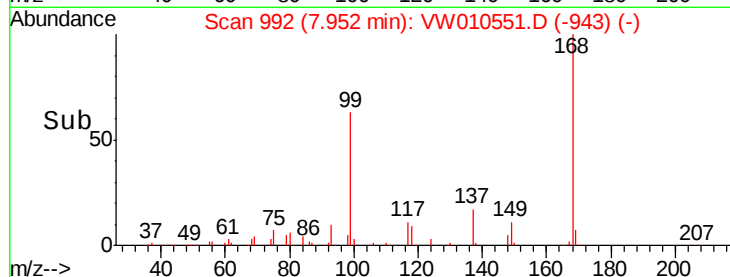
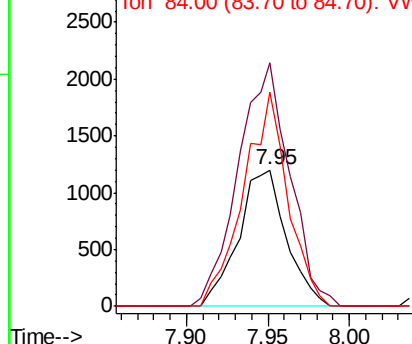
56 100

69 178.9 28.2 42.2#

84 157.3 75.8 113.8#



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: 54.040 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010551.D

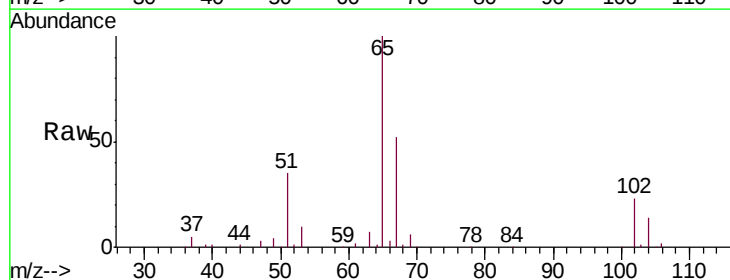
Acq: 24 May 2019 15:32

Tgt Ion: 65 Resp: 67387

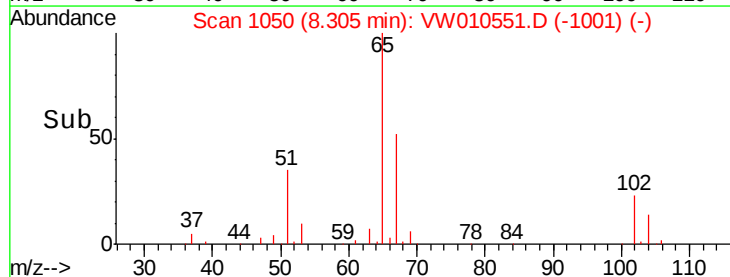
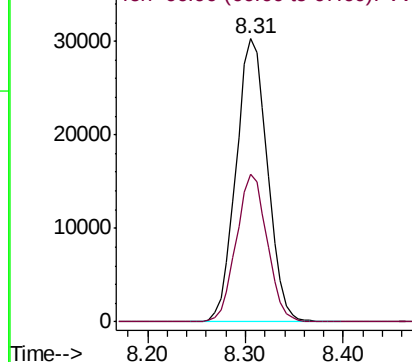
Ion Ratio Lower Upper

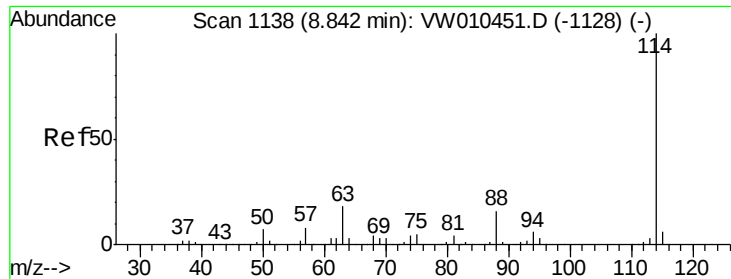
65 100

67 51.2 0.0 103.6



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

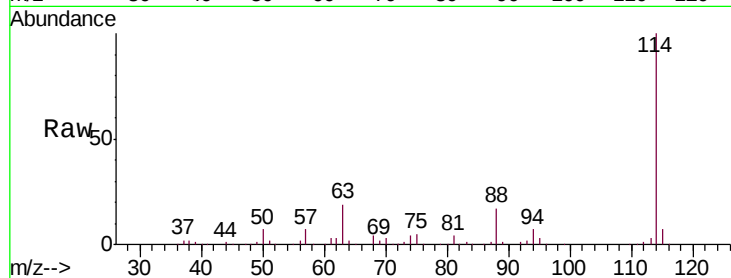




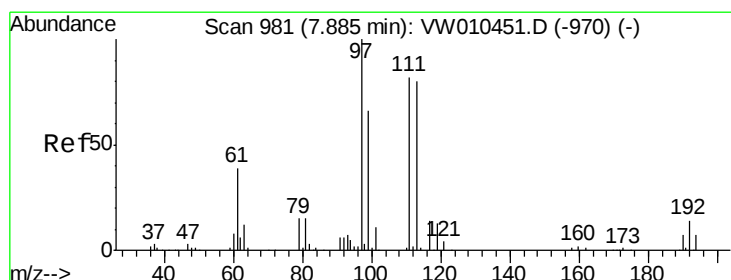
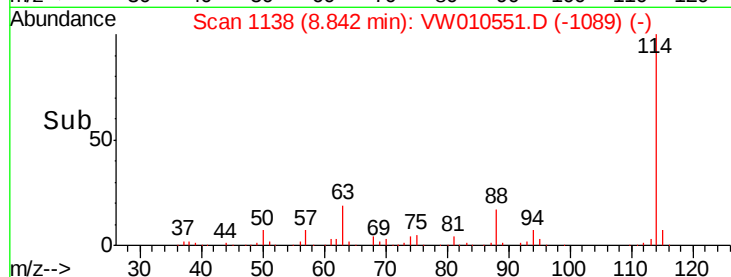
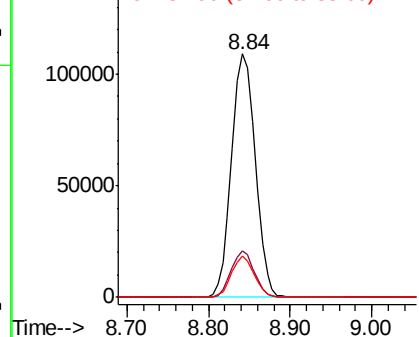
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010551.D
 Acq: 24 May 2019 15:32

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-052319-B

Tgt Ion:114 Resp: 219940
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.0
 88 16.9 0.0 32.0

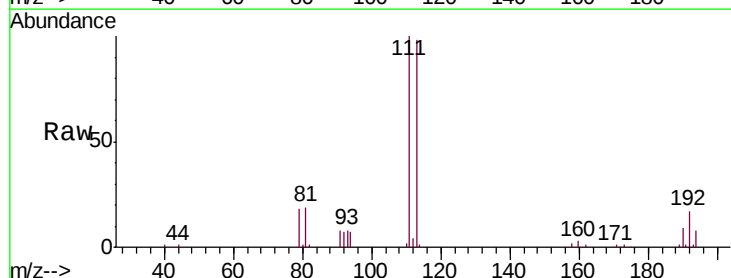


Abundance Ion 113.90 (113.60 to 114.60): V
 150000 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

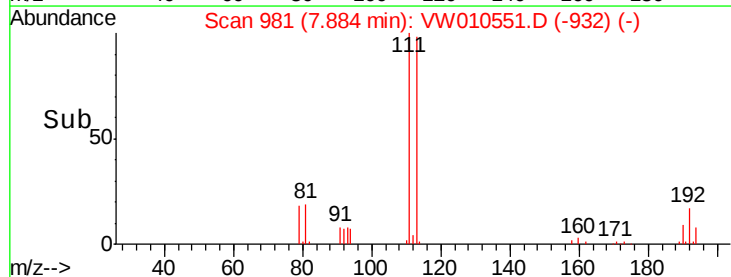
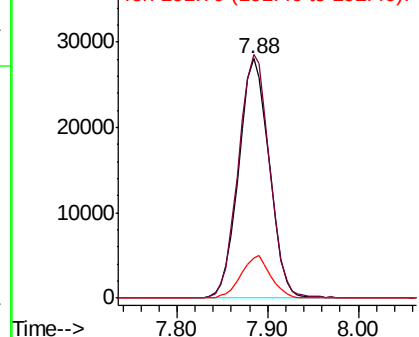


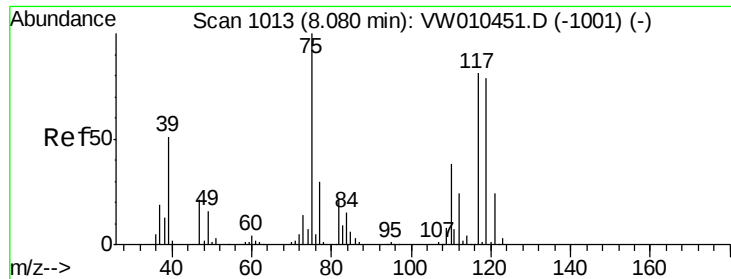
#35
 Dibromofluoromethane
 Concen: 49.216 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010551.D
 Acq: 24 May 2019 15:32

Tgt Ion:113 Resp: 65682
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 17.2 14.3 21.5



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

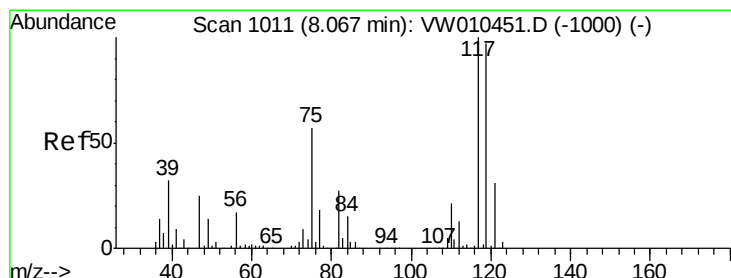
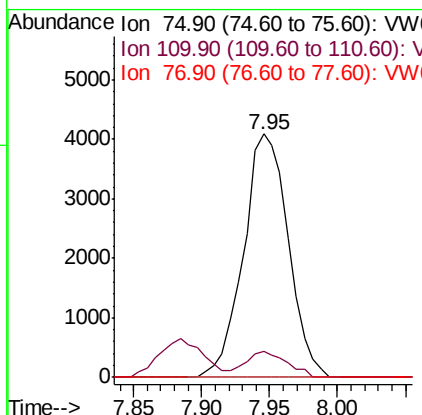
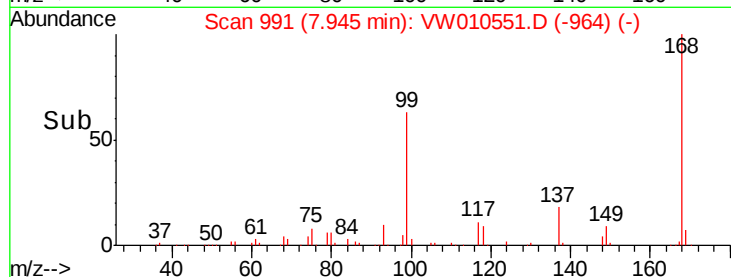
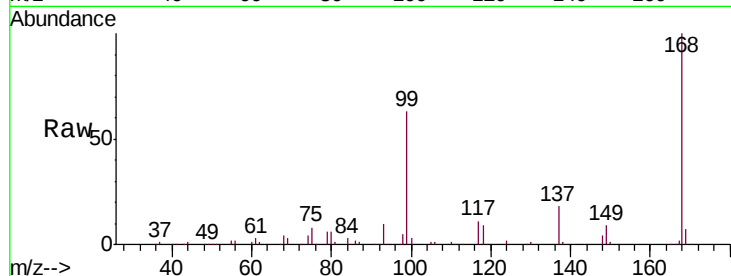




#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010551.D
 Acq: 24 May 2019 15:32

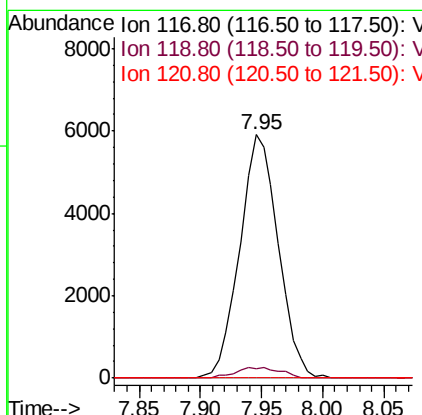
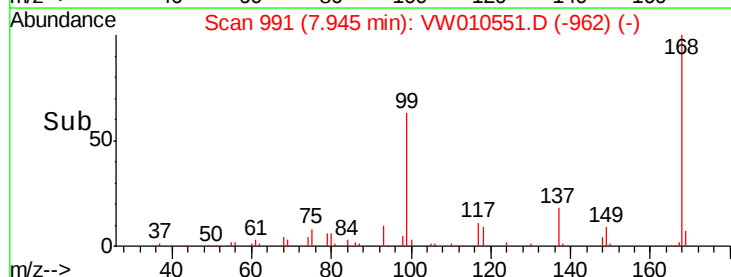
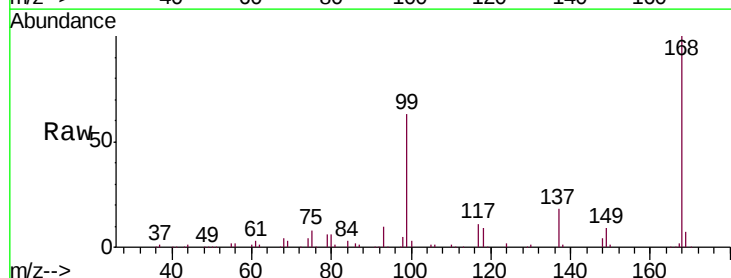
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-052319-B

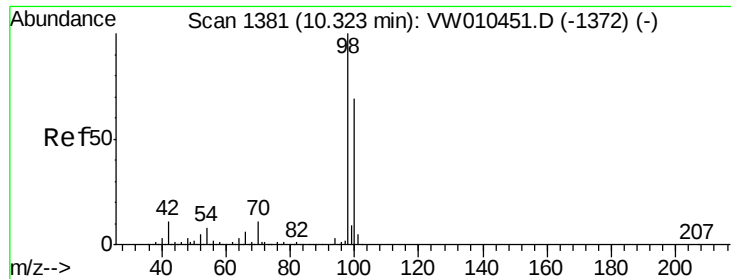
Tgt Ion: 75 Resp: 9427
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.856 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010551.D
 Acq: 24 May 2019 15:32

Tgt Ion: 117 Resp: 12942
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 51.955 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

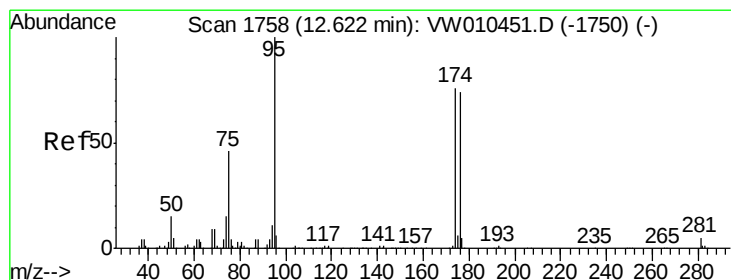
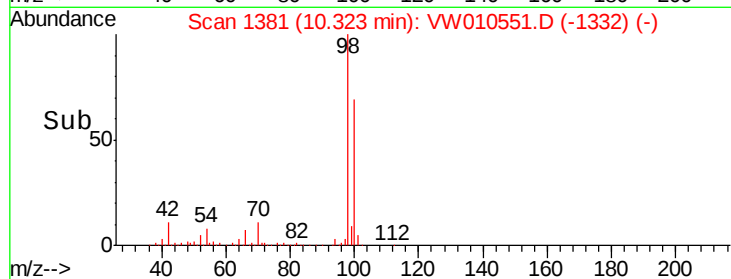
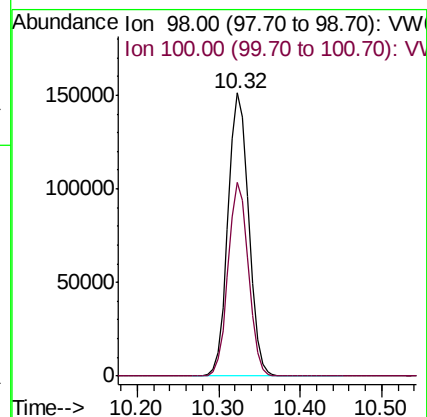
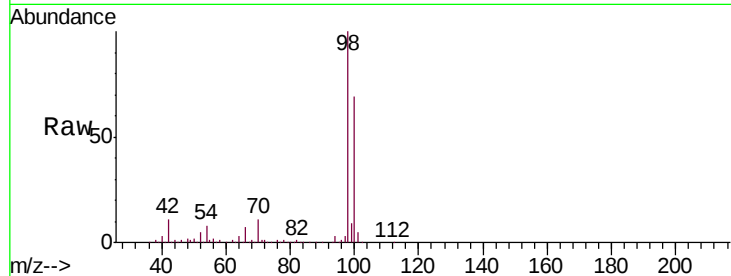
OR-03-052319-B

Tgt Ion: 98 Resp: 264881

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 45.018 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

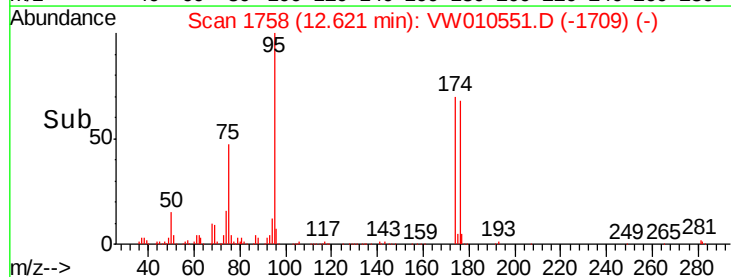
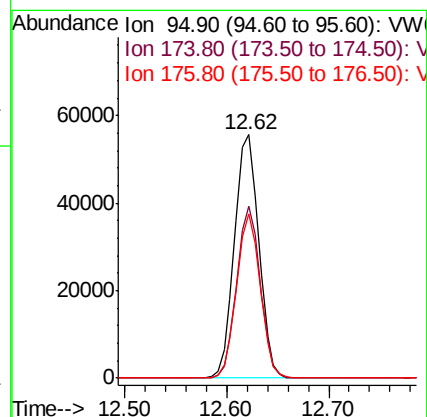
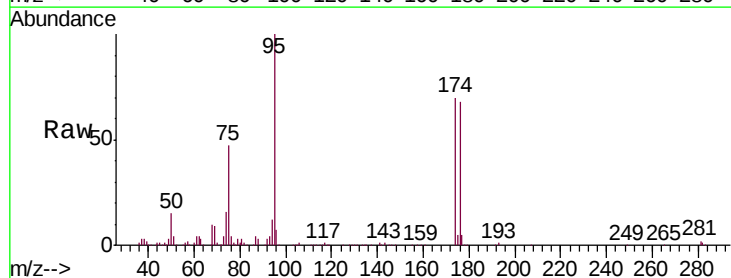
Tgt Ion: 95 Resp: 91420

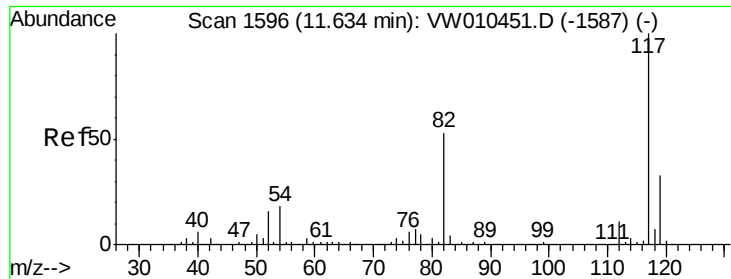
Ion Ratio Lower Upper

95 100

174 68.2 0.0 148.6

176 65.6 0.0 144.2

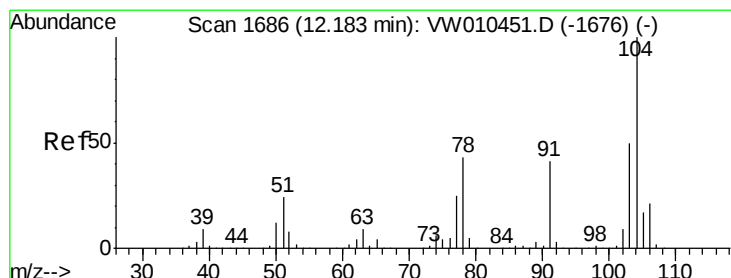
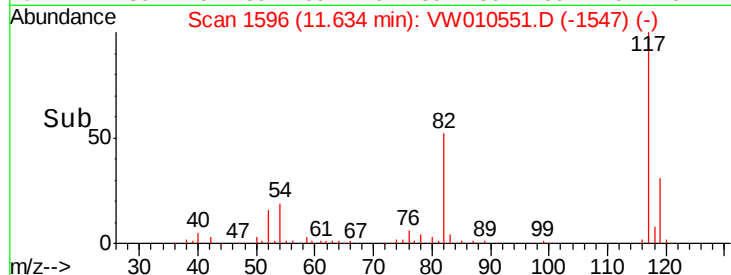
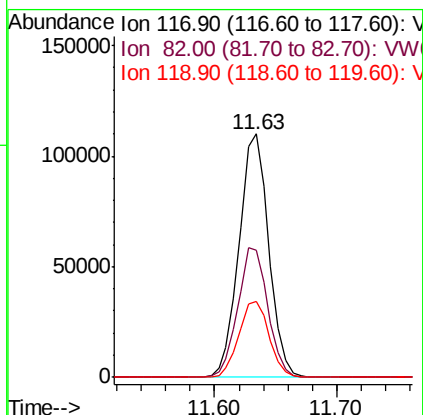
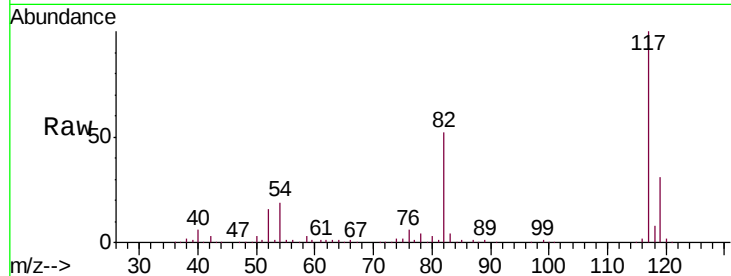




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010551.D
Acq: 24 May 2019 15:32

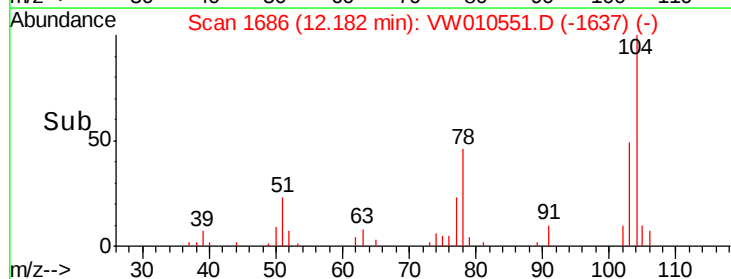
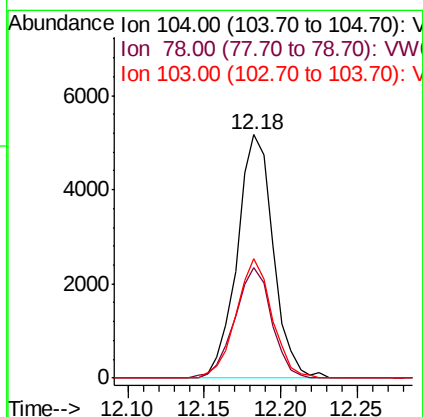
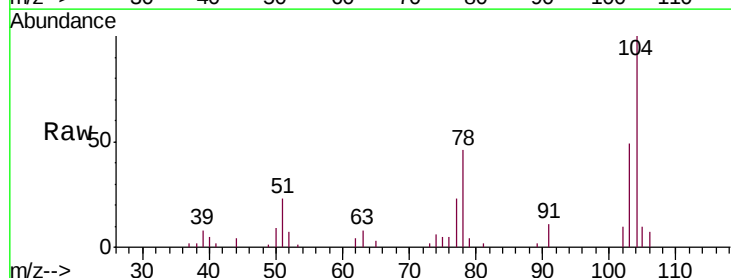
Instrument :
MSVOA_W
ClientSampleId :
OR-03-052319-B

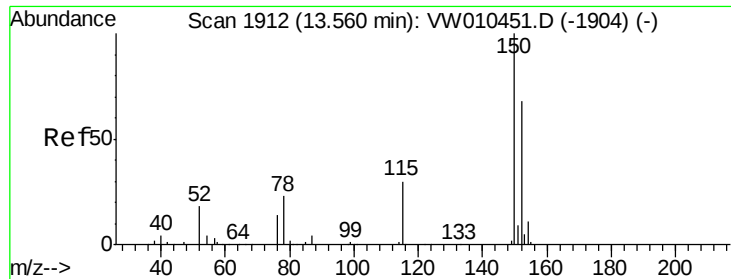
Tgt Ion:117 Resp: 184990
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 31.4 26.3 39.5



#70
Styrene
Concen: 1.921 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010551.D
Acq: 24 May 2019 15:32

Tgt Ion:104 Resp: 8433
Ion Ratio Lower Upper
104 100
78 46.2 39.0 58.4
103 48.7 43.0 64.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-B

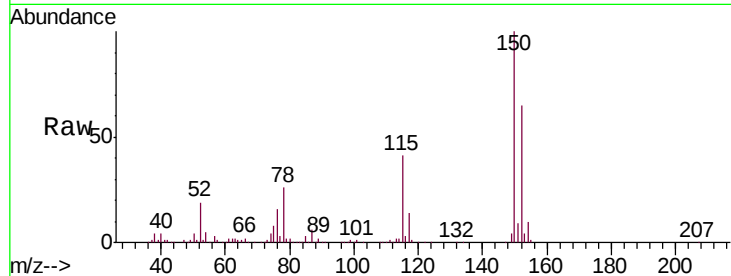
Tgt Ion:152 Resp: 72521

Ion Ratio Lower Upper

152 100

115 62.8 30.3 91.0

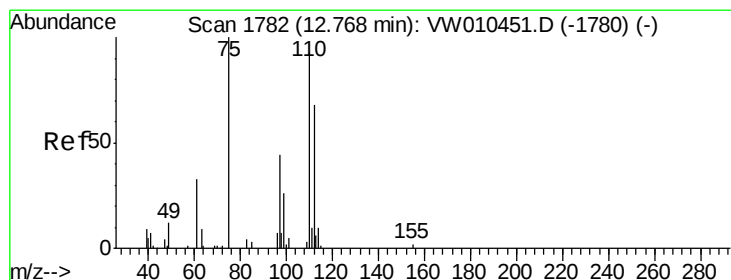
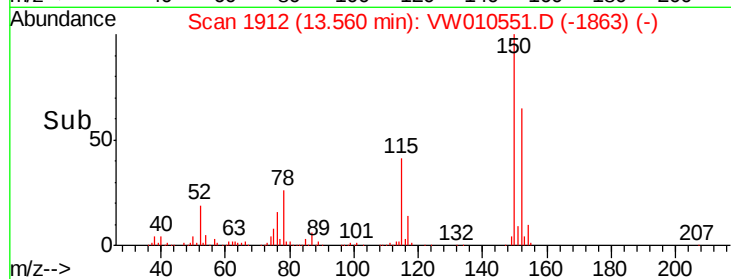
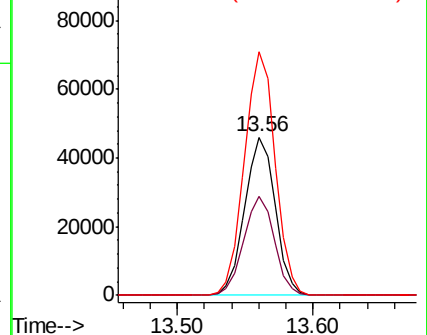
150 155.5 0.0 349.8



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: 58.089 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010551.D

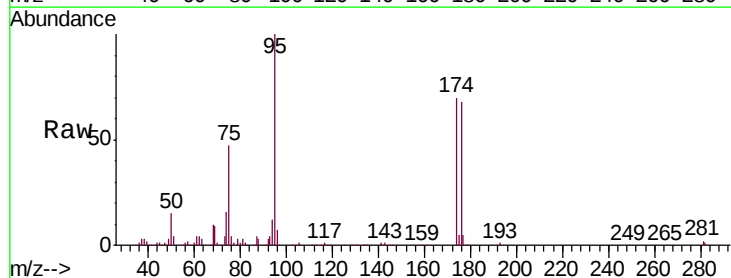
Acq: 24 May 2019 15:32

Tgt Ion: 75 Resp: 42761

Ion Ratio Lower Upper

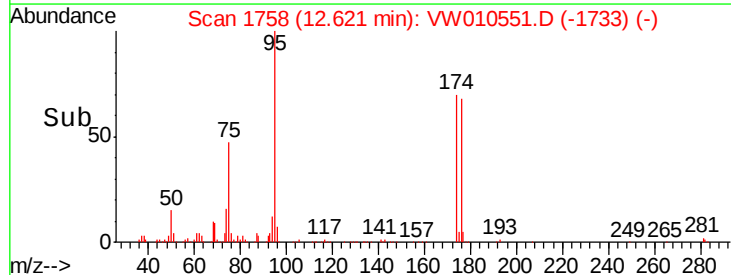
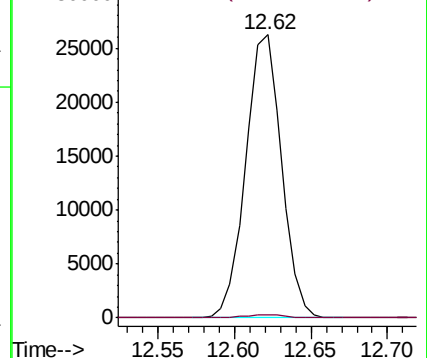
75 100

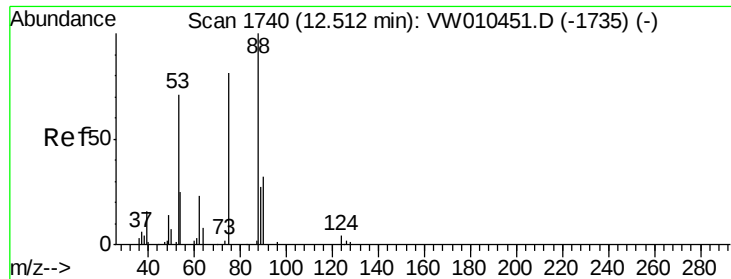
77 1.2 170.0 510.1#



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: 121.232 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010551.D

Acq: 24 May 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-B

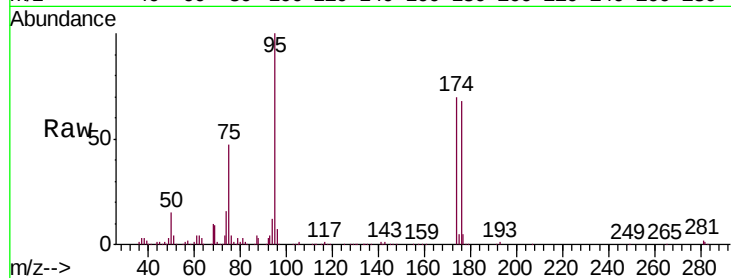
Tgt Ion: 75 Resp: 42761

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

