

Data File : VW010550.D
Acq On : 24 May 2019 15:04
Operator : SY/VA
Sample : K2643-09
Misc : 6.84G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 25 01:12:50 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	123847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67098	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.88	113	67755	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.32	98	269035	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.62	95	90459	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	

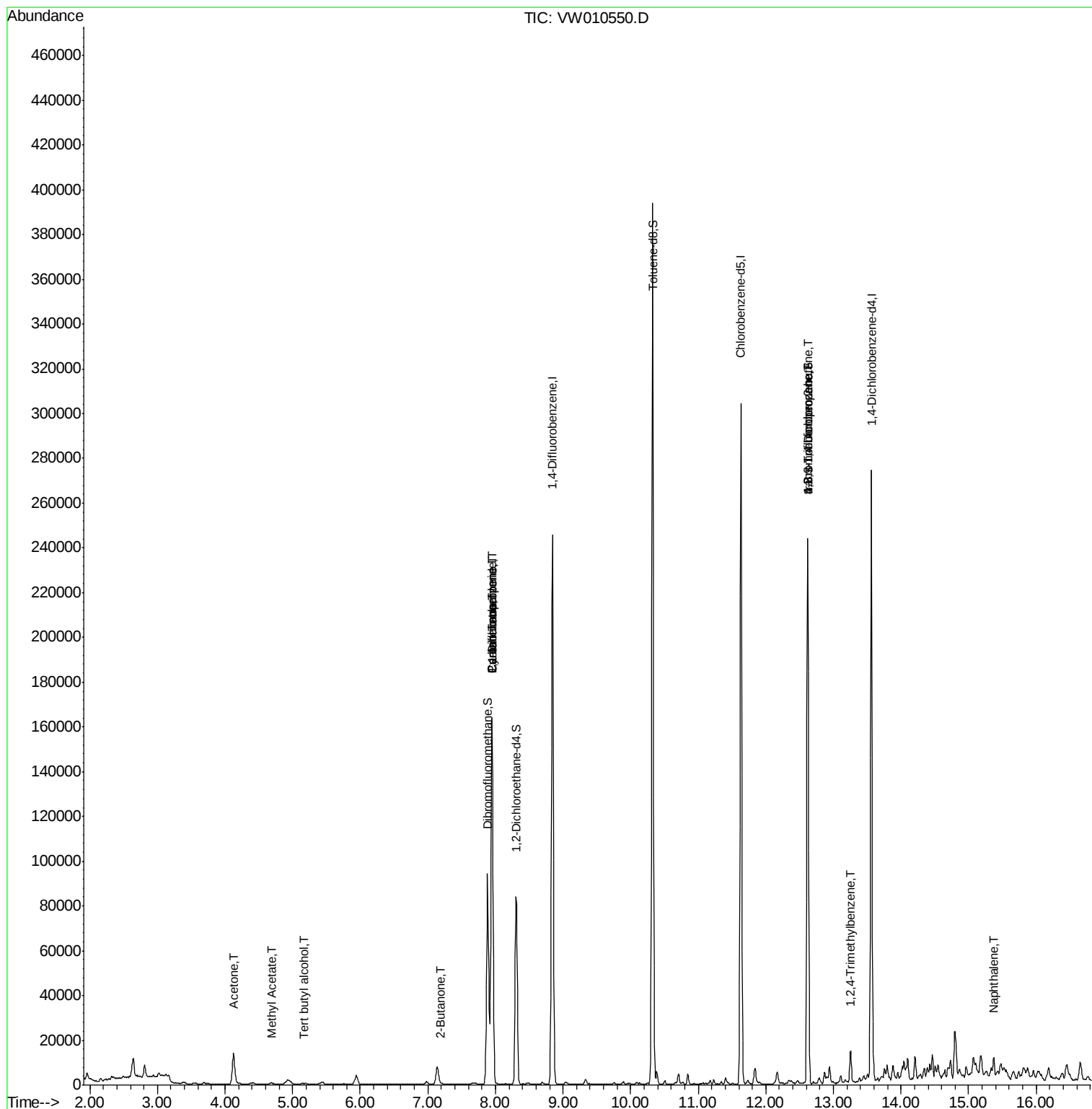
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	616	5.357 ug/l #	71	
13) Acrolein	3.75	56	22	Below Cal #	13	
16) Acetone	4.12	43	23733	90.955 ug/l	97	
18) Methyl Acetate	4.68	43	1814	2.843 ug/l #	81	
20) Methylene Chloride	4.92	84	1295	Below Cal #	75	
25) 2-Butanone	7.19	43	1105	2.959 ug/l #	45	
31) Cyclohexane	7.95	56	2786	1.148 ug/l #	1	
36) 1,1-Dichloropropene	7.95	75	9412	4.575 ug/l #	49	
38) Carbon Tetrachloride	7.95	117	13633	6.143 ug/l #	15	
76) 1,2,3-Trichloropropane	12.62	75	41939	58.711 ug/l #	1	
81) trans-1,4-Dichloro-2-buten	12.62	75	41939	122.531 ug/l #	14	
84) 1,2,4-Trimethylbenzene	13.26	105	8180	1.737 ug/l	99	
95) Naphthalene	15.37	128	7497	2.350 ug/l	98	

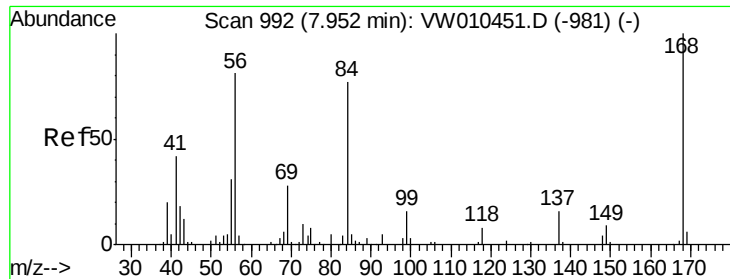
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010550.D
Acq On : 24 May 2019 15:04
Operator : SY/VA
Sample : K2643-09
Misc : 6.84G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 25 01:12:50 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# 992

Delta R.T. -0.00 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

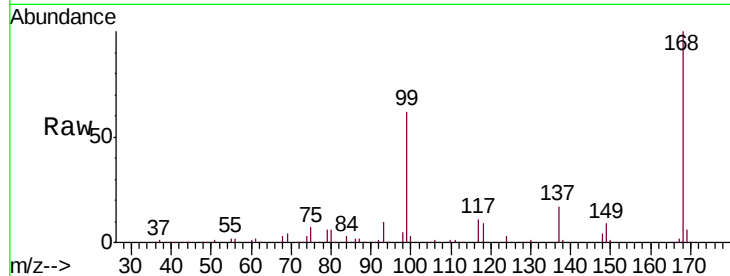
OR-03-052319-A

Tgt Ion:168 Resp: 123847

Ion Ratio Lower Upper

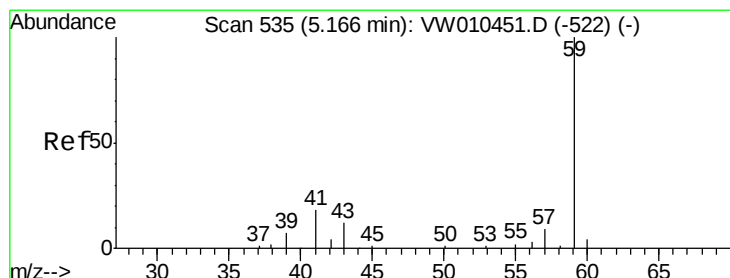
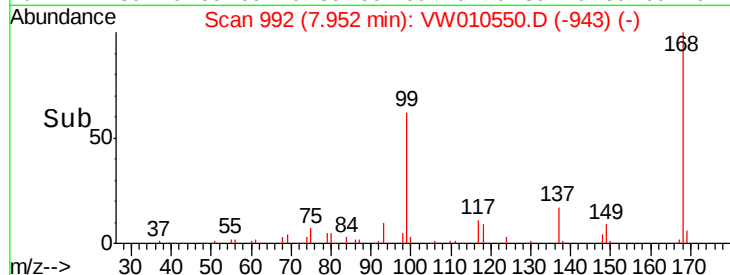
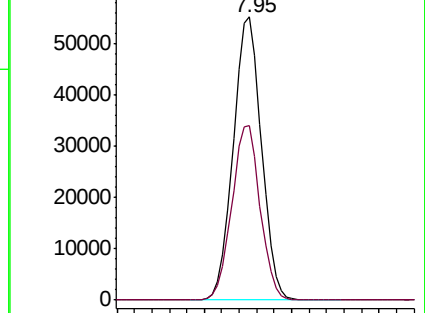
168 100

99 61.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.357 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010550.D

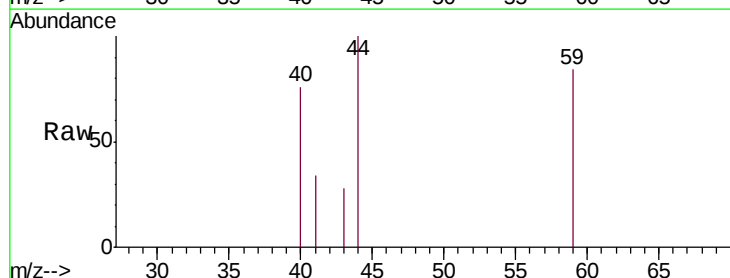
Acq: 24 May 2019 15:04

Tgt Ion: 59 Resp: 616

Ion Ratio Lower Upper

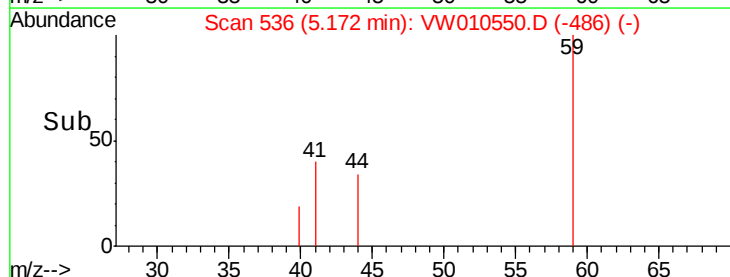
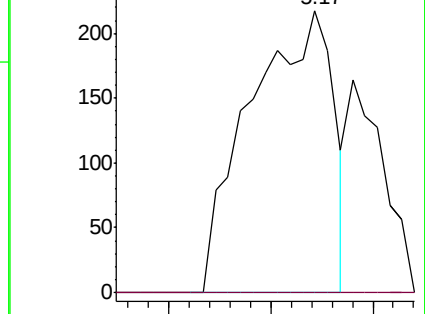
59 100

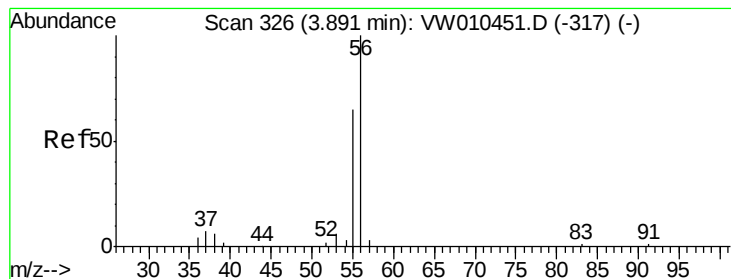
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.75 min Scan# 303

Delta R.T. -0.14 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

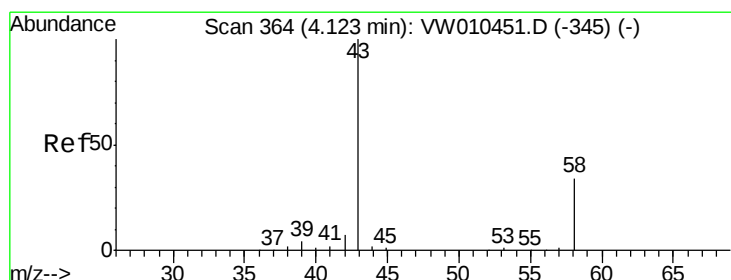
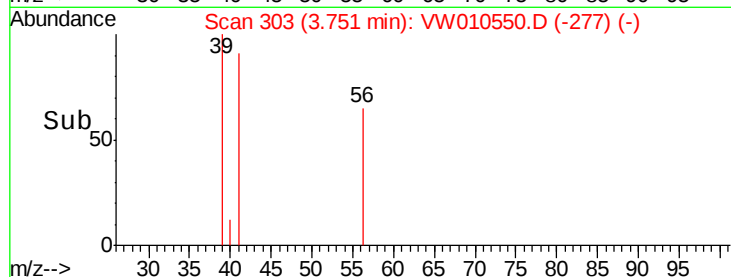
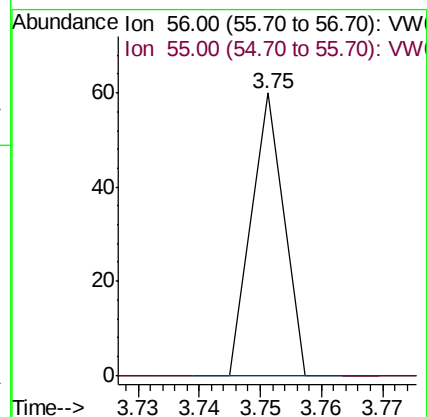
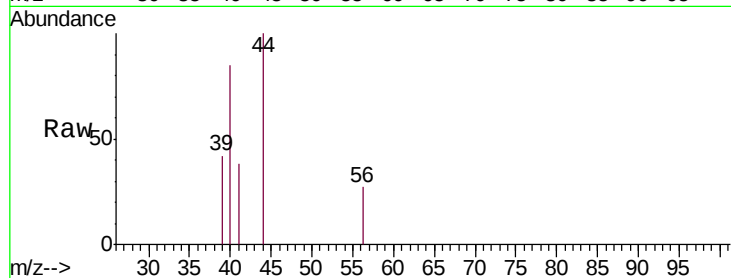
OR-03-052319-A

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 90.955 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010550.D

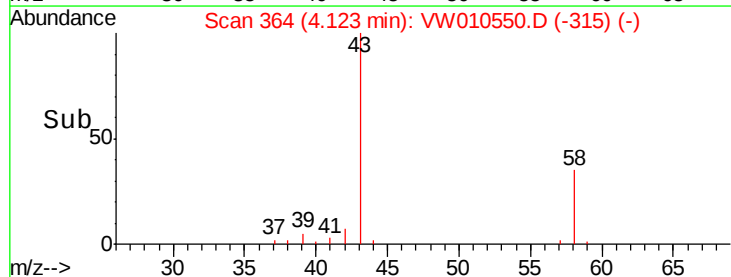
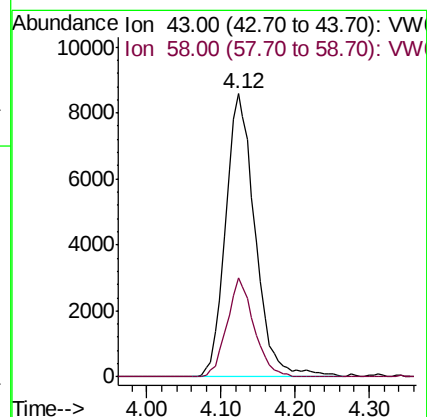
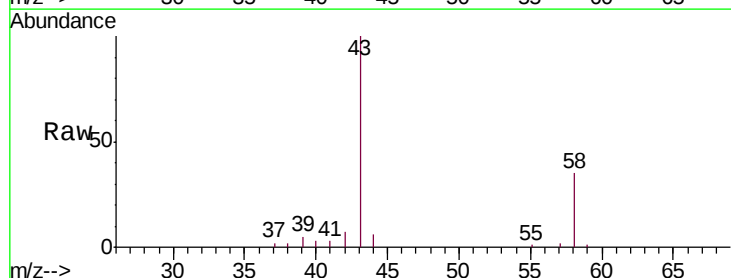
Acq: 24 May 2019 15:04

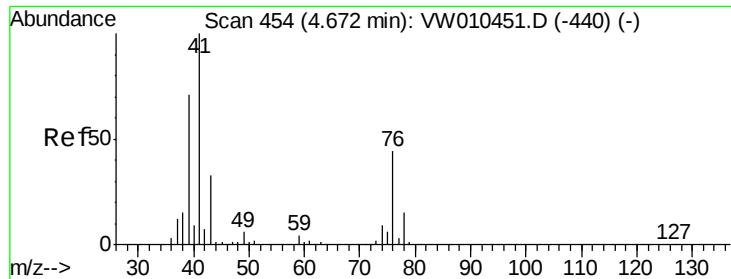
Tgt Ion: 43 Resp: 23733

Ion Ratio Lower Upper

43 100

58 35.2 27.0 40.4

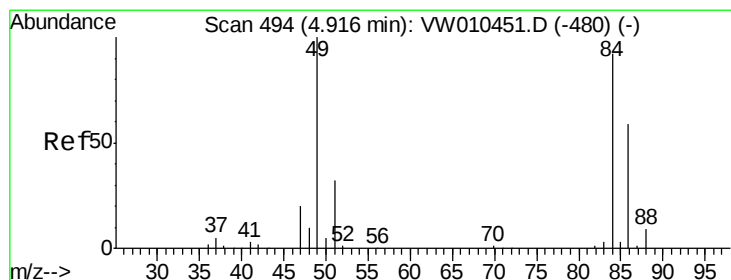
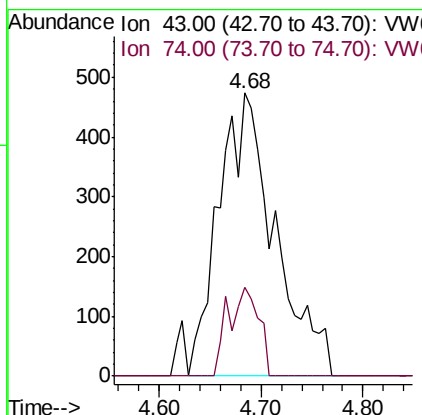
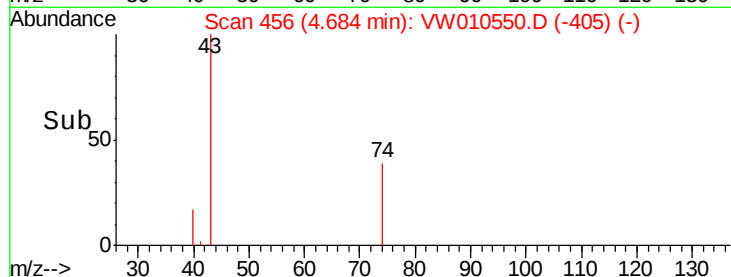
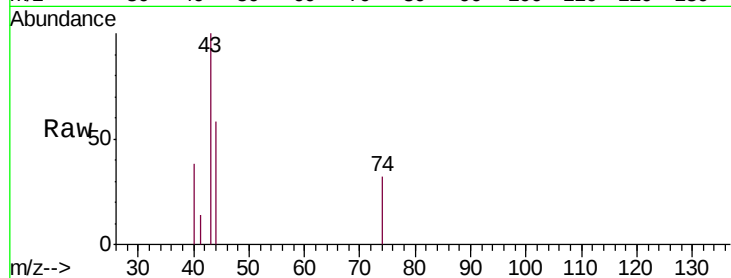




#18
Methyl Acetate
Concen: 2.843 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW010550.D
Acq: 24 May 2019 15:04

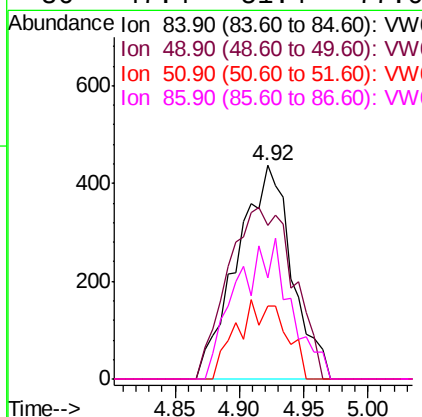
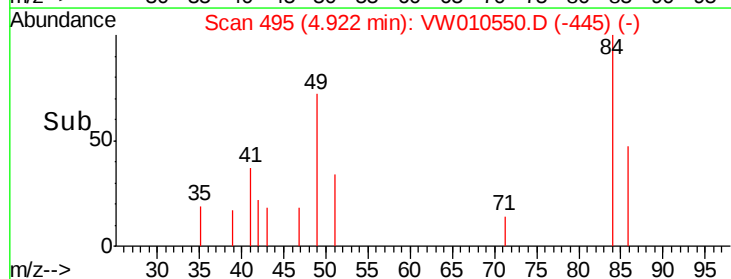
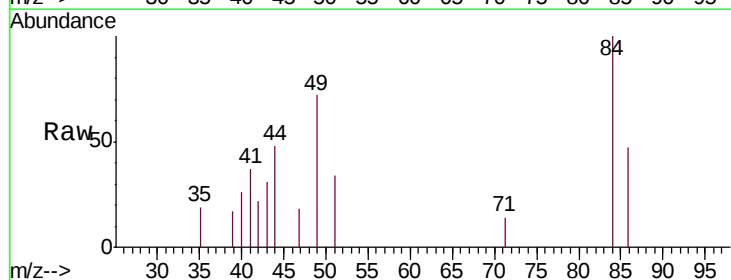
Instrument :
MSVOA_W
ClientSampleId :
OR-03-052319-A

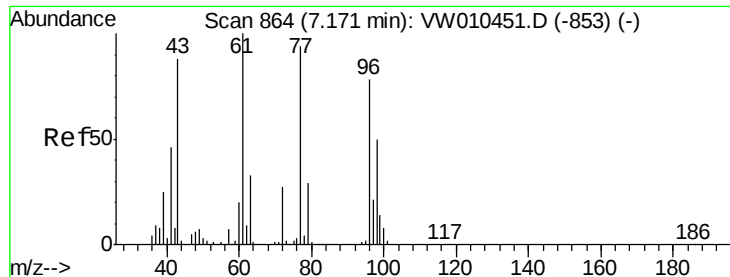
Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
74 17.1 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010550.D
Acq: 24 May 2019 15:04

Tgt Ion: 84 Resp: 1295
Ion Ratio Lower Upper
84 100
49 71.9 87.2 130.8#
51 34.1 27.7 41.5
86 47.4 51.4 77.0#





#25

2-Butanone

Concen: 2.959 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

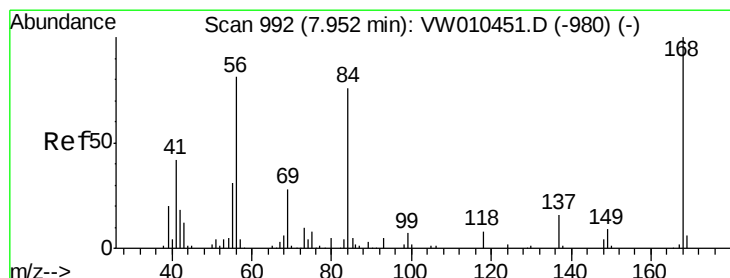
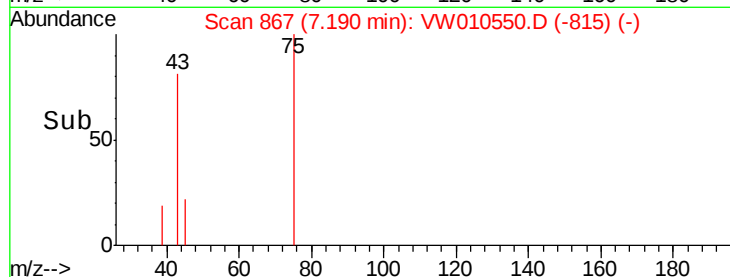
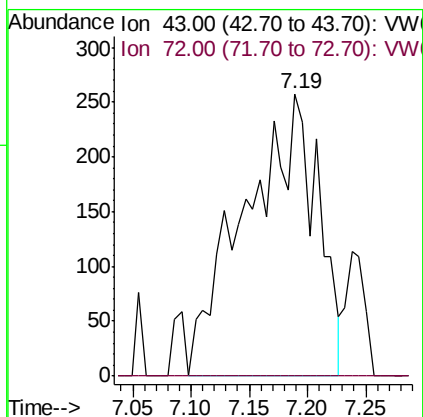
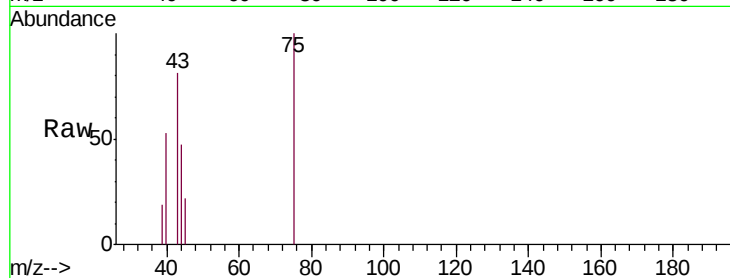
OR-03-052319-A

Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

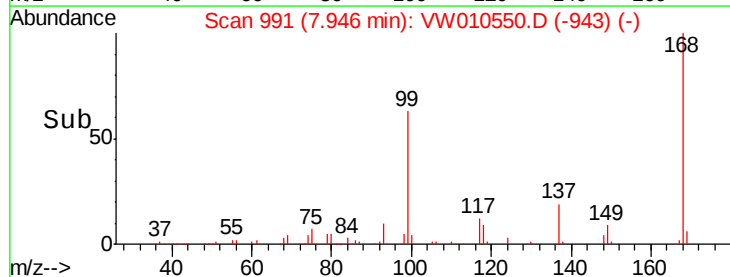
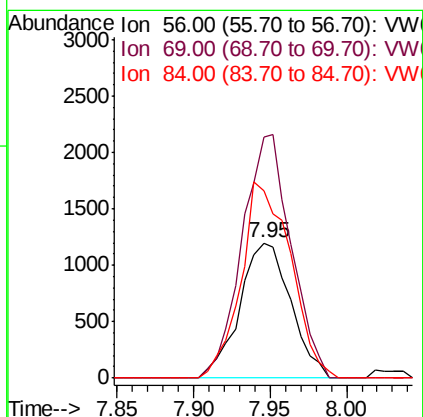
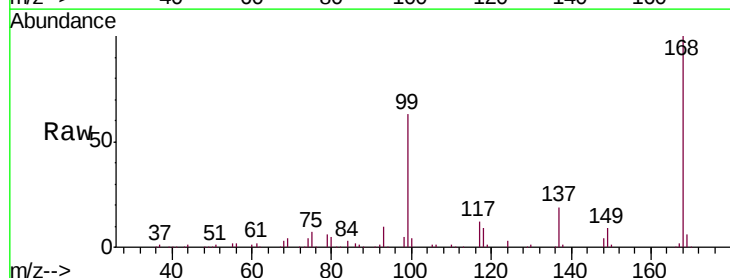
Tgt Ion: 56 Resp: 2786

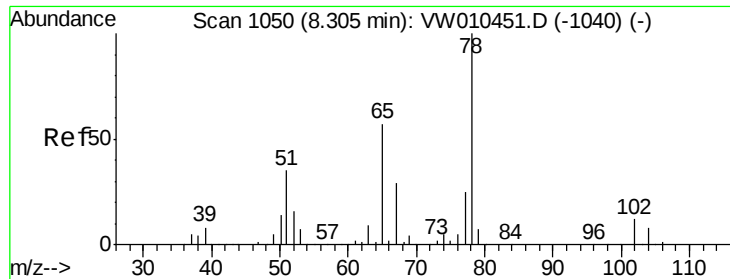
Ion Ratio Lower Upper

56 100

69 178.3 28.2 42.2#

84 138.6 75.8 113.8#

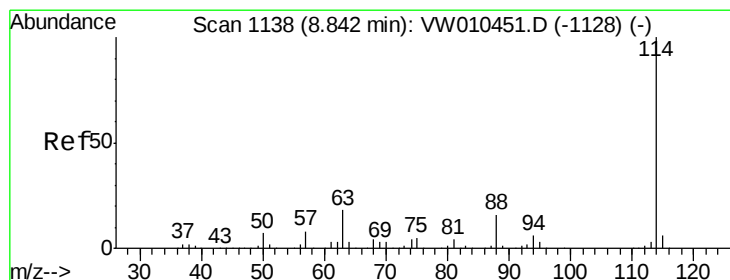
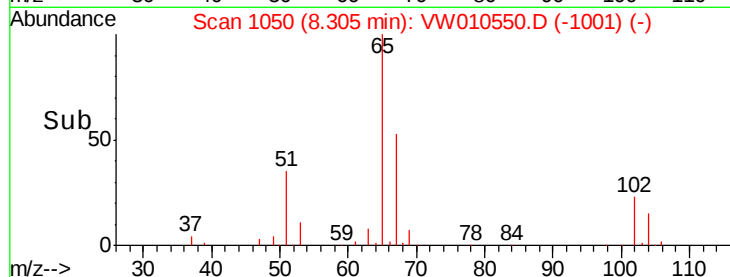
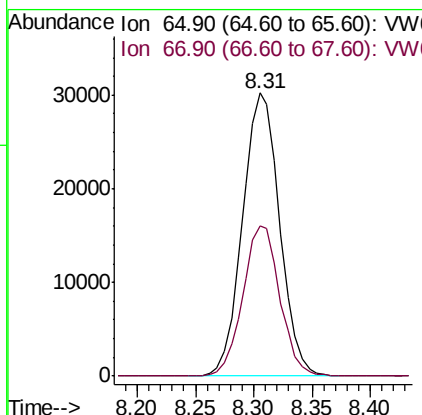
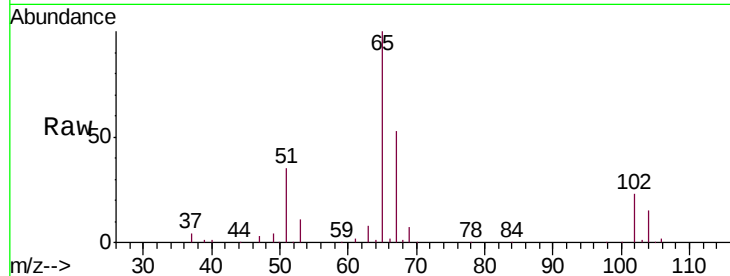




#33
 1,2-Dichloroethane-d4
 Concen: 52.490 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010550.D
 Acq: 24 May 2019 15:04

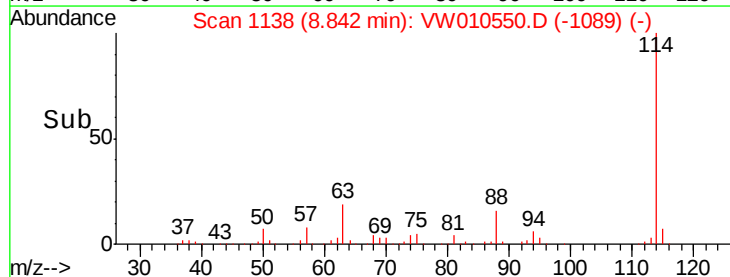
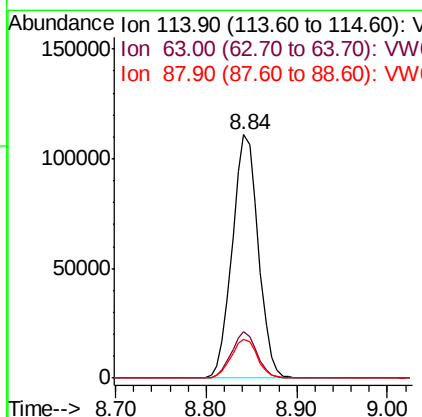
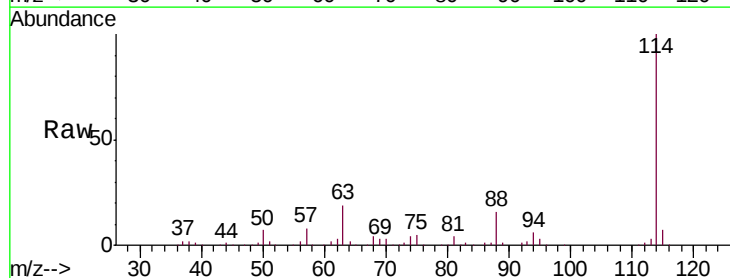
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-052319-A

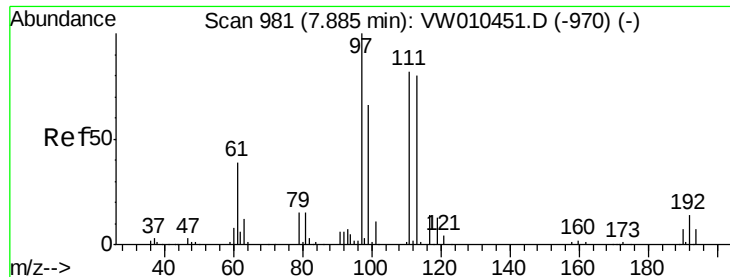
Tgt Ion: 65 Resp: 67098
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010550.D
 Acq: 24 May 2019 15:04

Tgt Ion: 114 Resp: 220847
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.0
 88 16.0 0.0 32.0

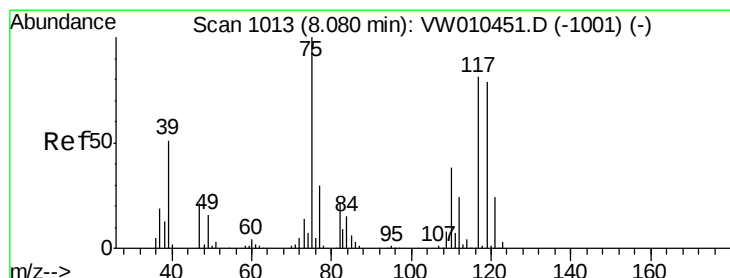
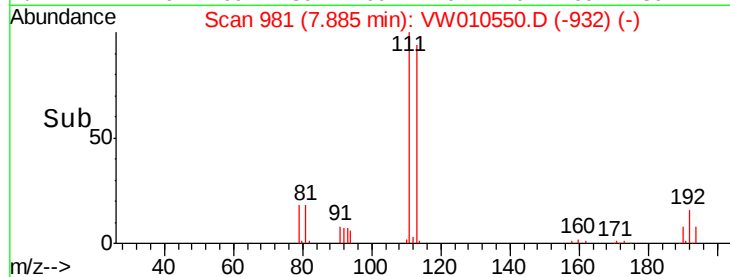
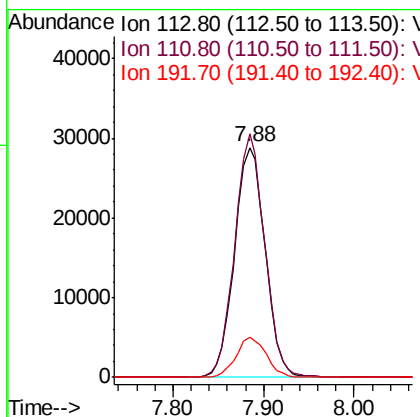
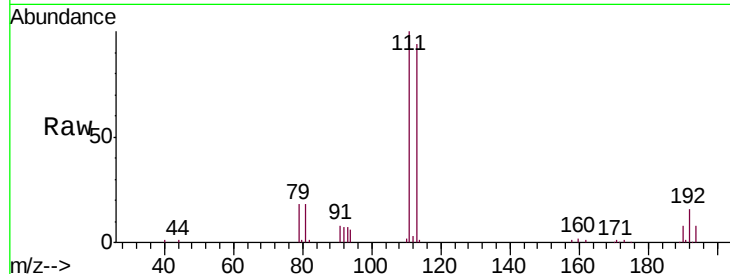




#35
 Dibromofluoromethane
 Concen: 50.561 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010550.D
 Acq: 24 May 2019 15:04

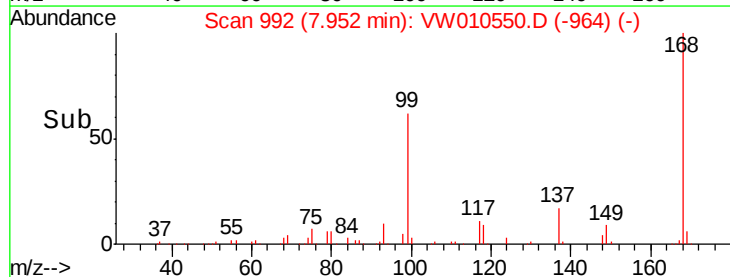
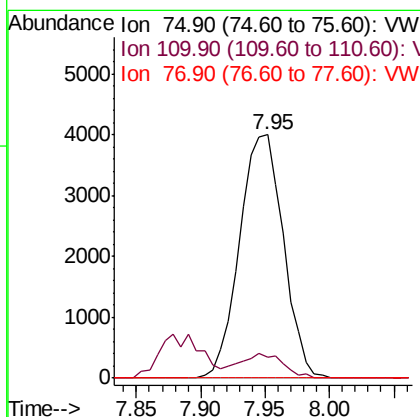
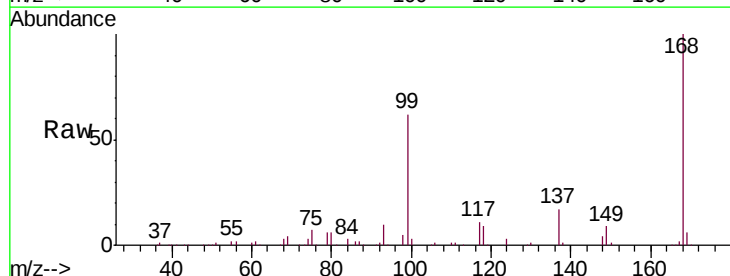
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-052319-A

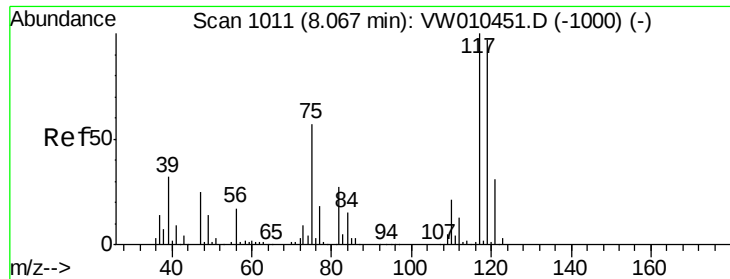
Tgt Ion:113 Resp: 67755
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 17.1 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010550.D
 Acq: 24 May 2019 15:04

Tgt Ion: 75 Resp: 9412
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.143 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-A

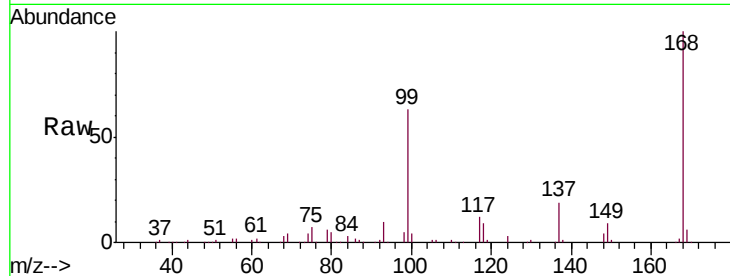
Tgt Ion: 117 Resp: 13633

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

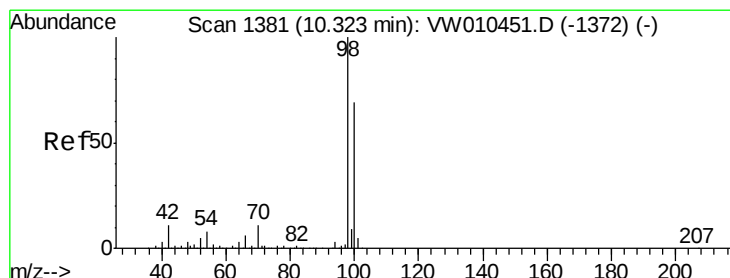
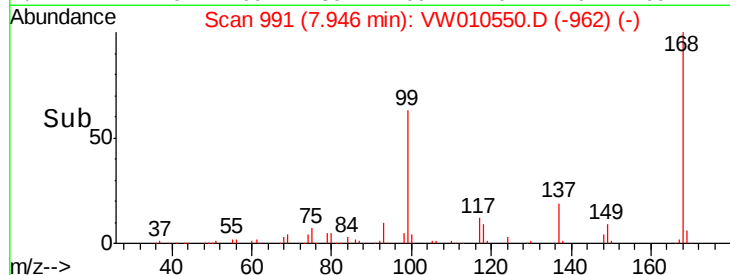
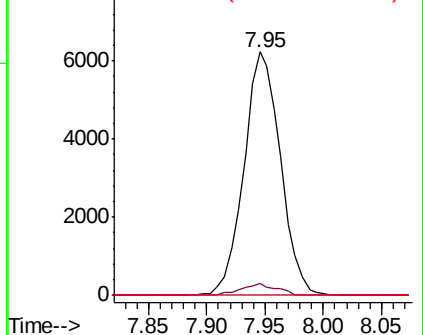
121 0.0 25.0 37.6#



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: 52.553 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010550.D

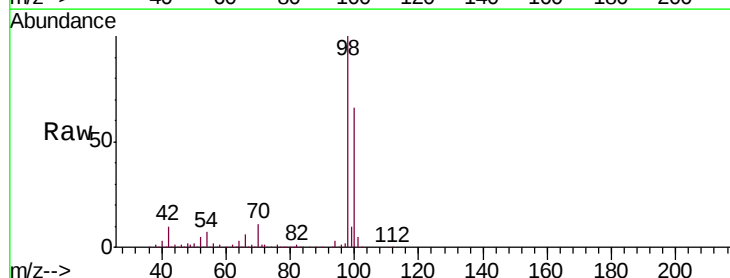
Acq: 24 May 2019 15:04

Tgt Ion: 98 Resp: 269035

Ion Ratio Lower Upper

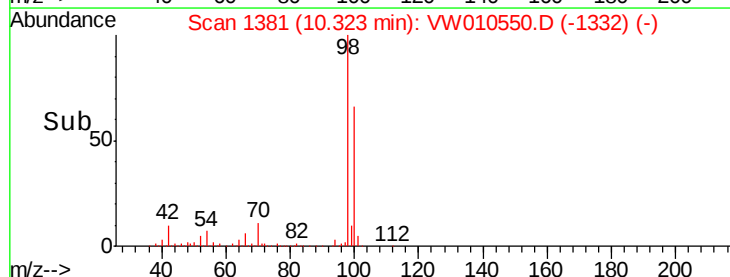
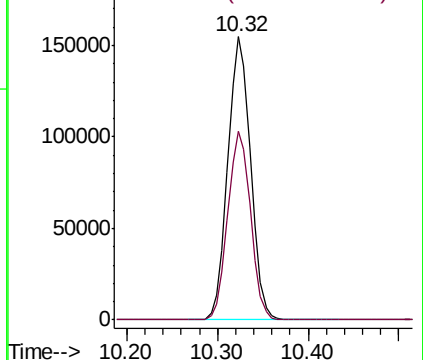
98 100

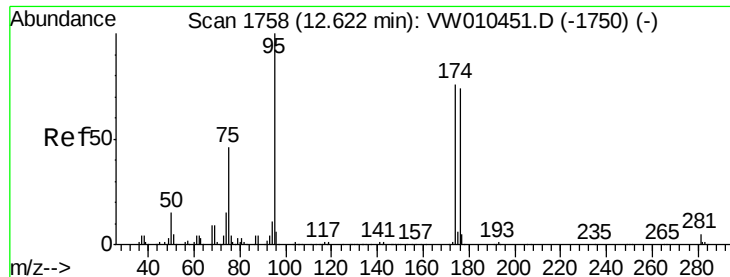
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.362 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

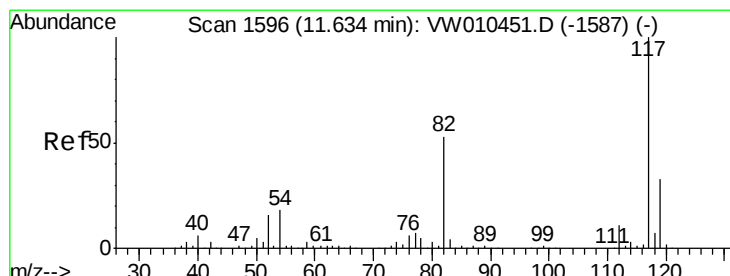
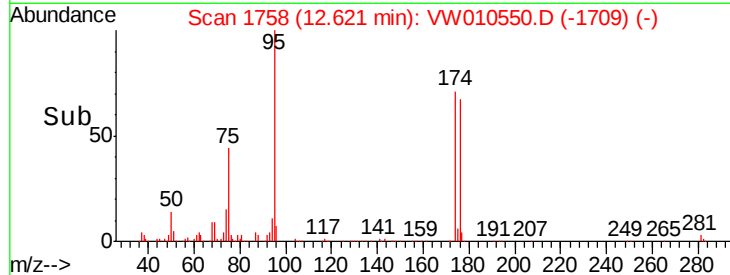
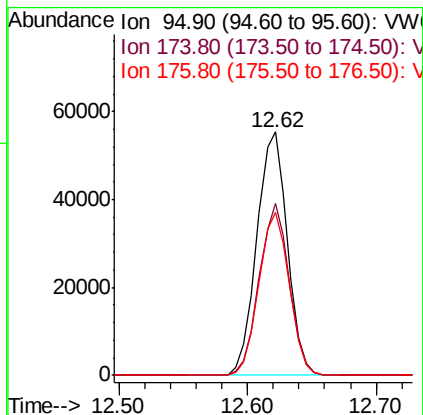
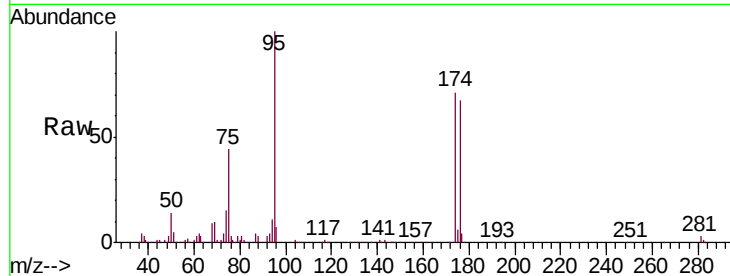
Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-A

Tgt Ion:	95	Resp:	90459
Ion Ratio	Lower	Upper	
95	100		
174	69.3	0.0	148.6
176	66.8	0.0	144.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

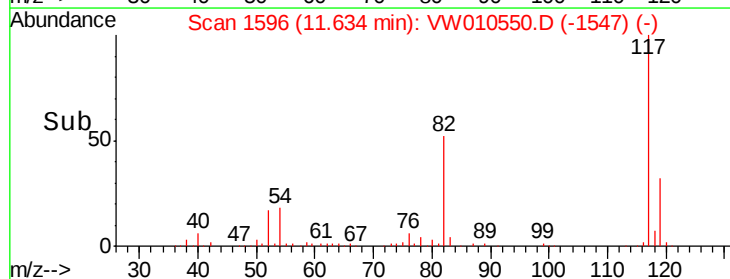
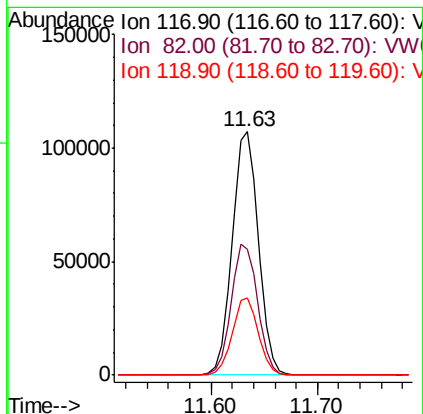
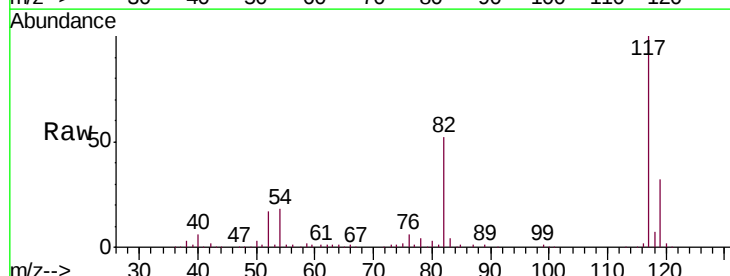
RT: 11.63 min Scan# 1596

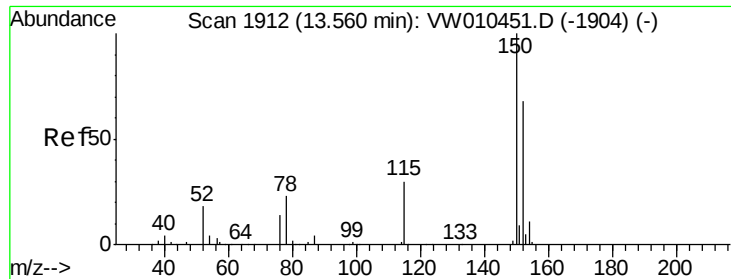
Delta R.T. 0.00 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Tgt Ion:	117	Resp:	185104
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.8	64.2
119	31.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010550.D

Acq: 24 May 2019 15:04

Instrument :

MSVOA_W

ClientSampleId :

OR-03-052319-A

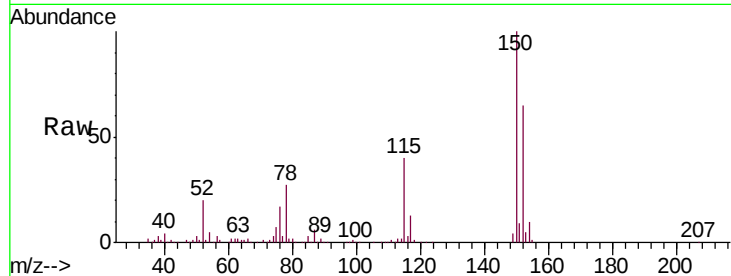
Tgt Ion:152 Resp: 70373

Ion Ratio Lower Upper

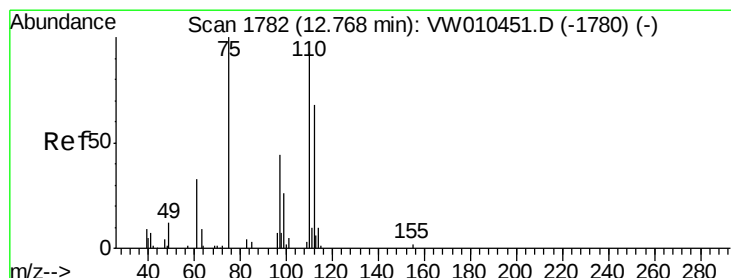
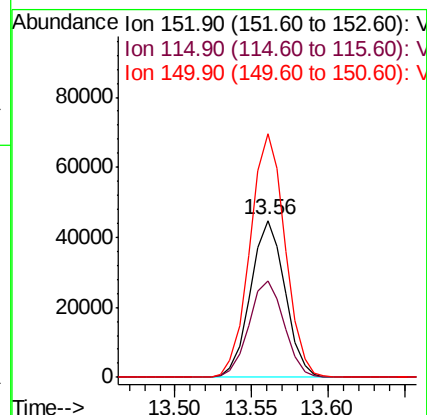
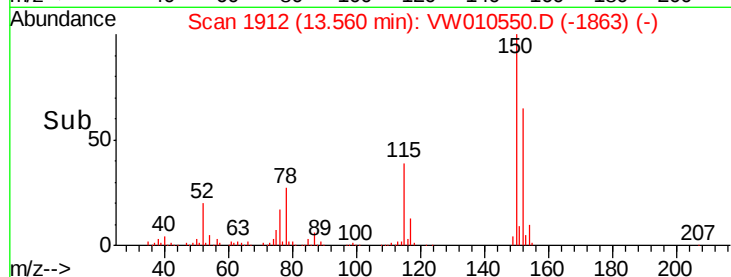
152 100

115 63.1 30.3 91.0

150 157.4 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: 58.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010550.D

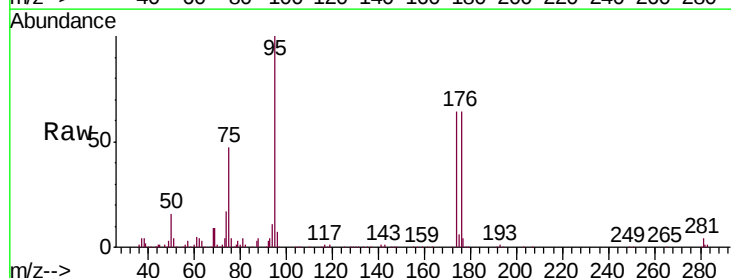
Acq: 24 May 2019 15:04

Tgt Ion: 75 Resp: 41939

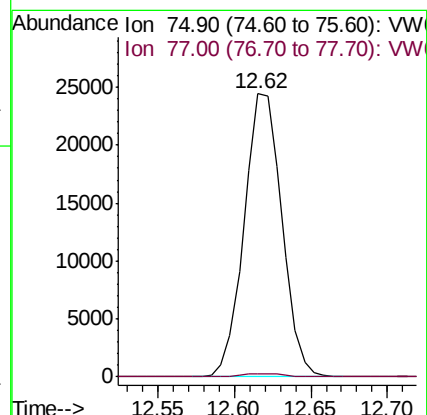
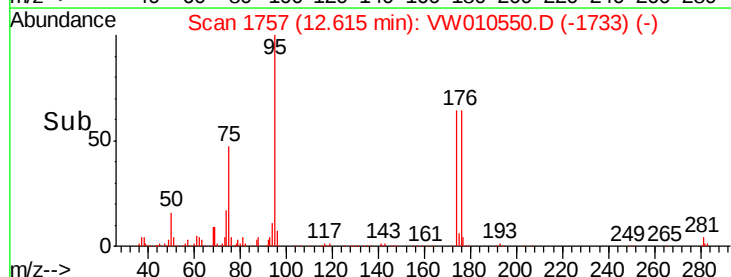
Ion Ratio Lower Upper

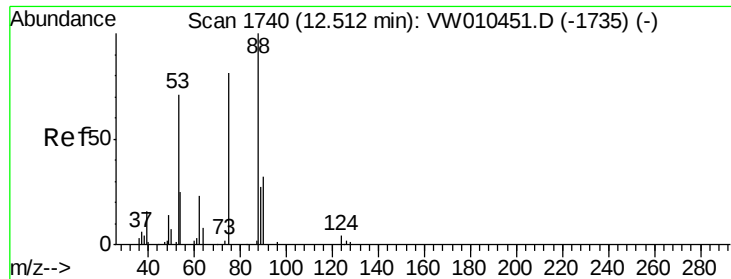
75 100

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

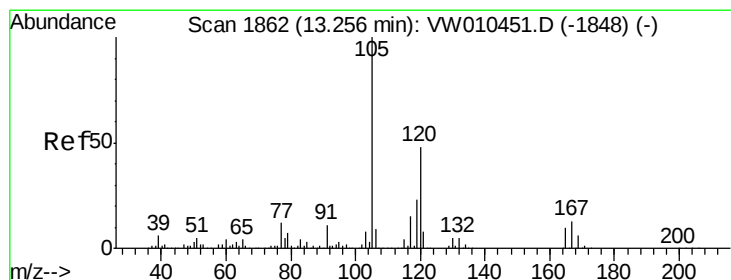
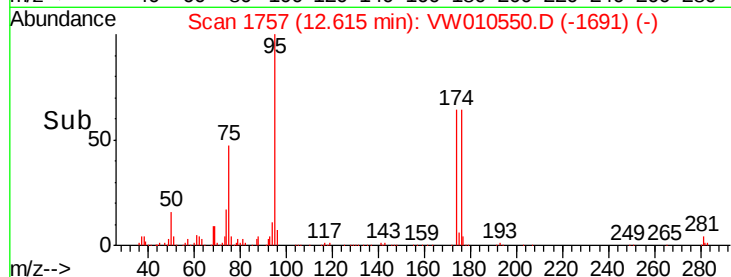
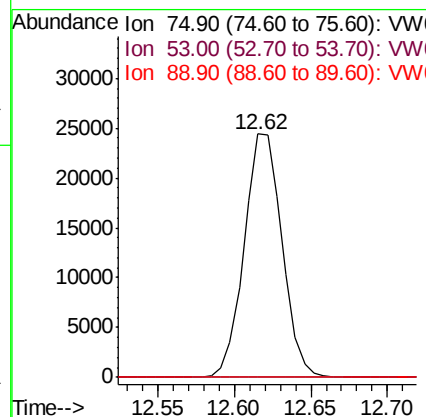
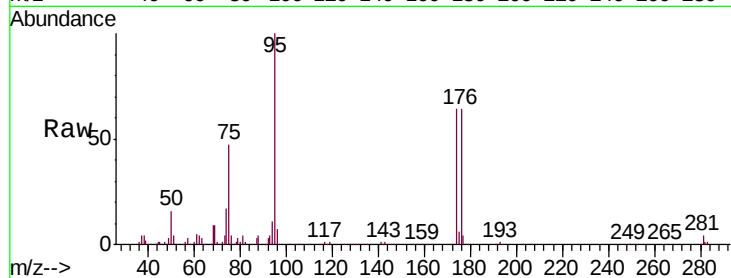




#81
trans-1,4-Dichloro-2-butene
Concen: 122.531 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW010550.D
Acq: 24 May 2019 15:04

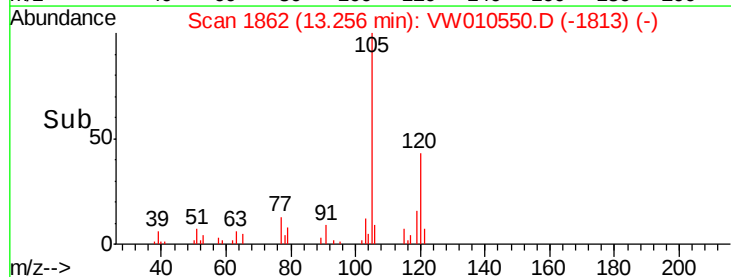
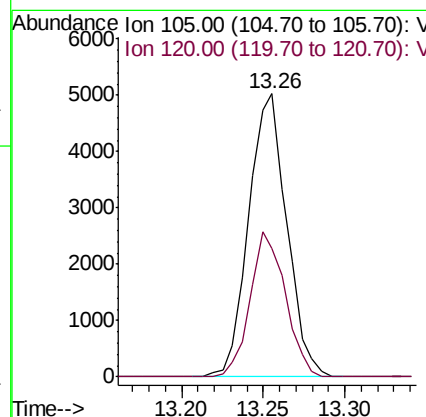
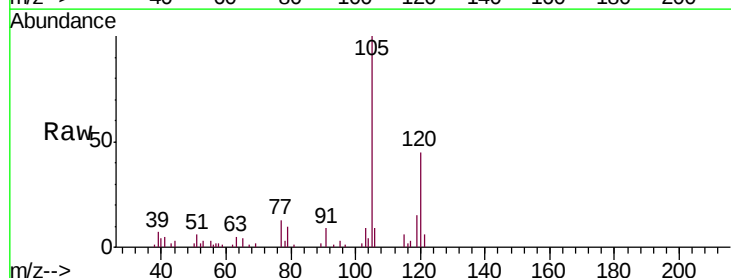
Instrument :
MSVOA_W
ClientSampleId :
OR-03-052319-A

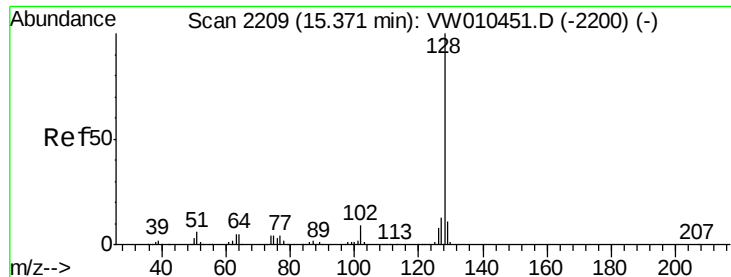
Tgt Ion: 75 Resp: 41939
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.8#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.737 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010550.D
Acq: 24 May 2019 15:04

Tgt Ion: 105 Resp: 8180
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.2

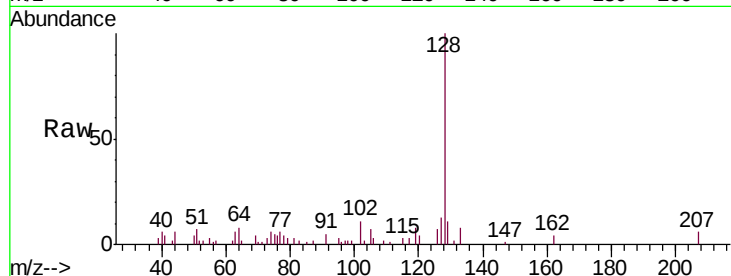




#95
Naphthalene
Concen: 2.350 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010550.D
Acq: 24 May 2019 15:04

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	12.2	8.9	13.3



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

