

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011955.D
 Acq On : 16 Aug 2019 11:01
 Operator : SY/VA
 Sample : K3616-01
 Misc : 6.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-081519-A

Quant Time: Aug 17 04:57:57 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	204203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104394	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	133174	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
35) Dibromofluoromethane	7.88	113	105791	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
50) Toluene-d8	10.32	98	412811	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	125985	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	

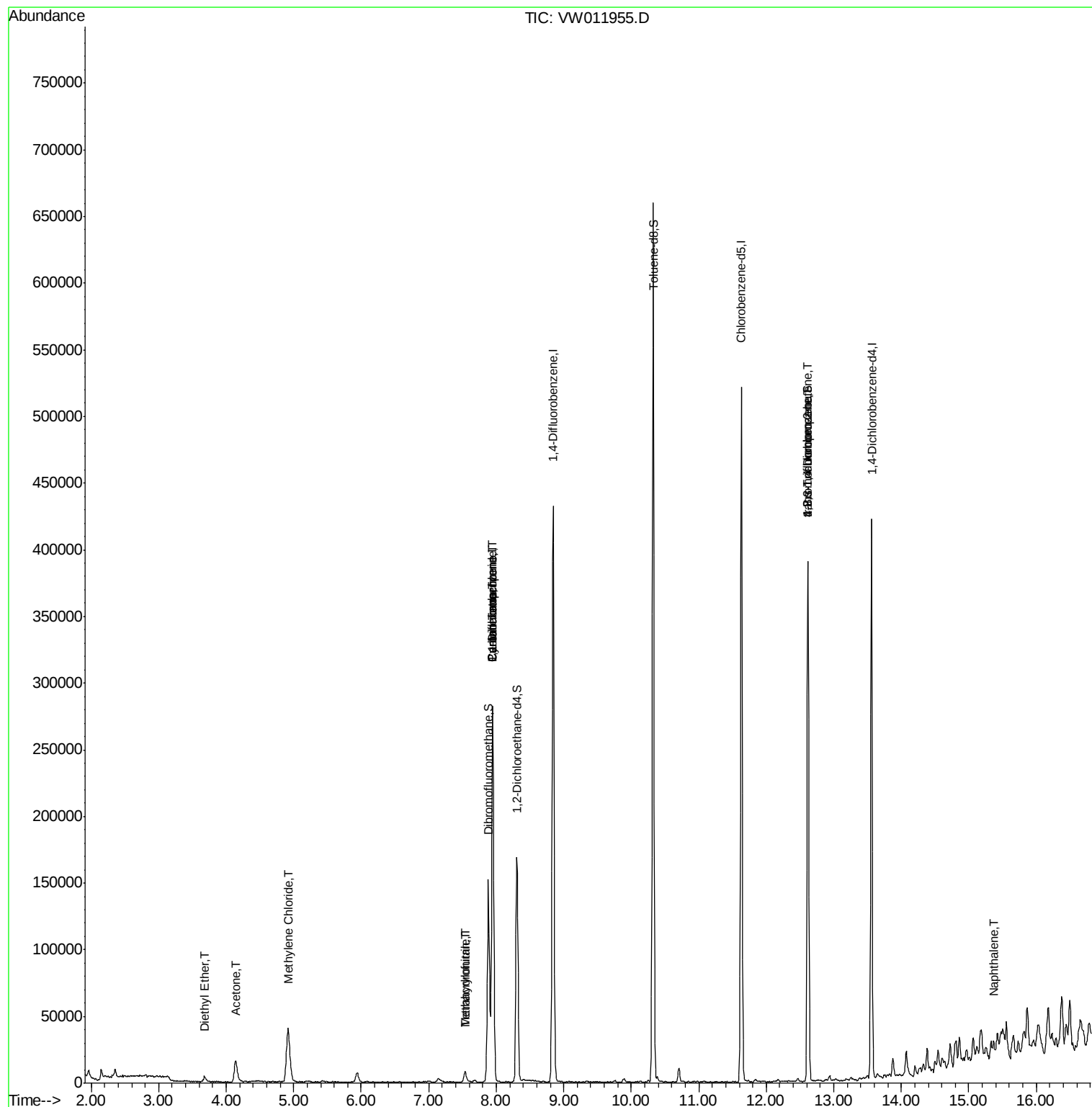
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1901	1.579	ug/l	76
11) Tert butyl alcohol	5.16	59	68	Below Cal	#	72
16) Acetone	4.14	43	33932	45.492	ug/l	100
20) Methylene Chloride	4.92	84	31749	12.342	ug/l	96
29) Tetrahydrofuran	7.54	42	6935	12.431	ug/l	98
31) Cyclohexane	7.95	56	5352	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17378	4.834	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20853	6.776	ug/l #	17
41) Methacrylonitrile	7.54	41	4152	3.358	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	67062	60.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67062	139.918	ug/l #	6
95) Naphthalene	15.36	128	1856	2.498	ug/l #	73

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

Instrument :

MSVOA_W

ClientSampleId :

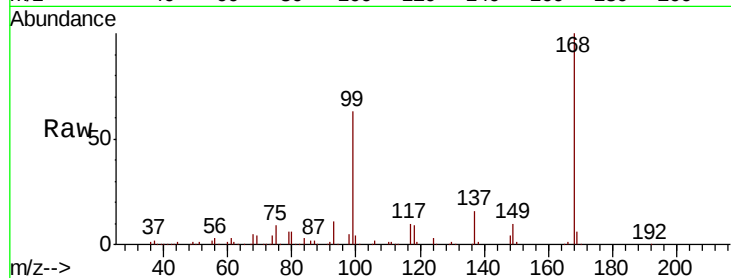
JC-03-081519-A

Tgt Ion:168 Resp: 204203

Ion Ratio Lower Upper

168 100

99 63.1 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

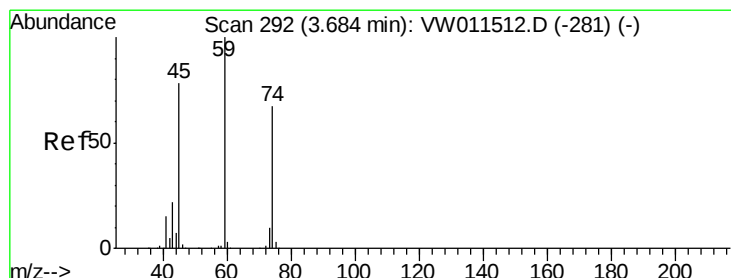
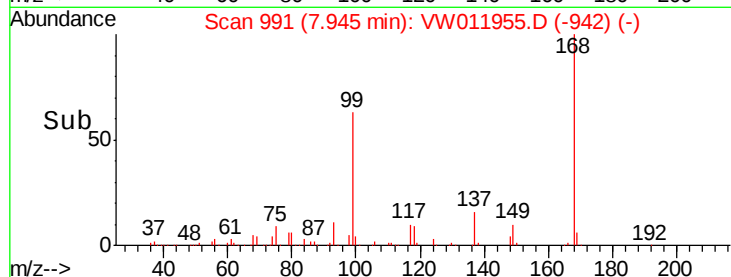
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.579 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011955.D

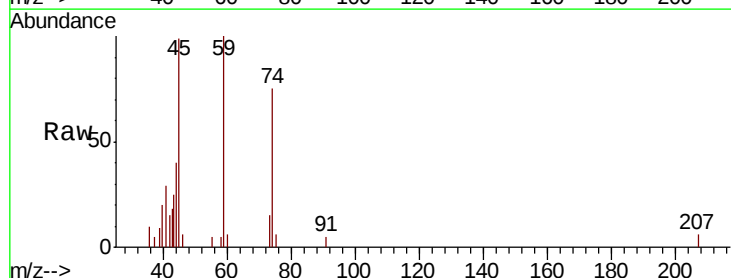
Acq: 16 Aug 2019 11:01

Tgt Ion: 74 Resp: 1901

Ion Ratio Lower Upper

74 100

45 145.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

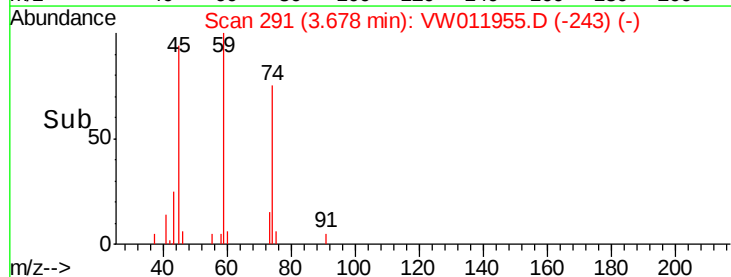
600

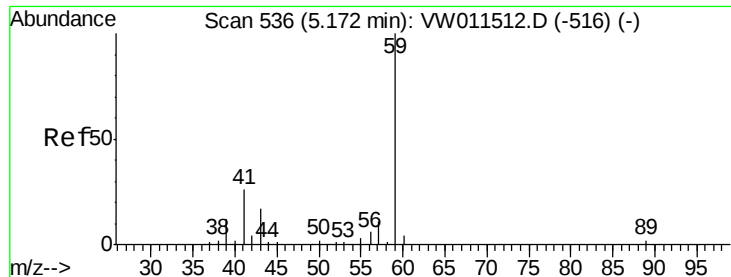
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200

0

Time-->

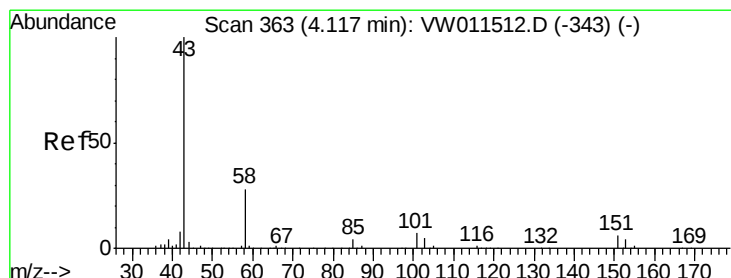
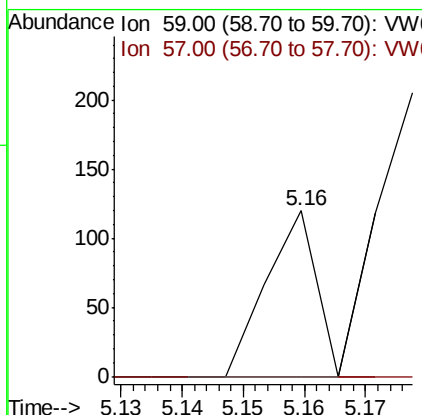
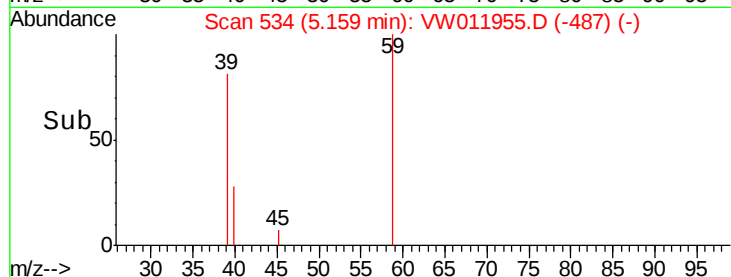
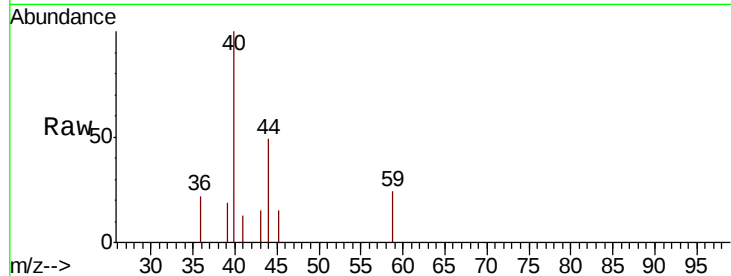




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011955.D
Acq: 16 Aug 2019 11:01

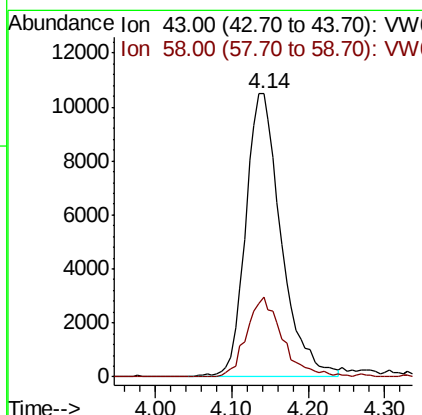
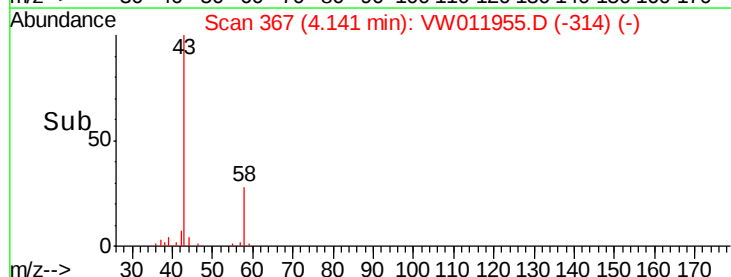
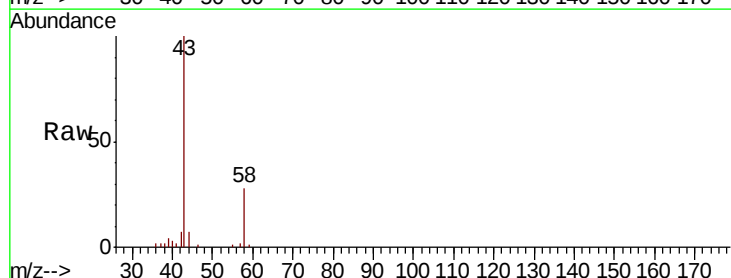
Instrument :
MSVOA_W
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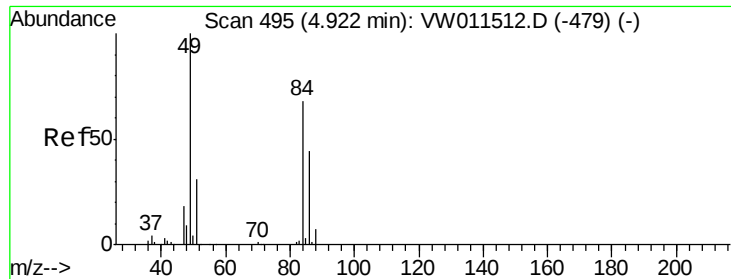
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 45.492 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011955.D
Acq: 16 Aug 2019 11:01

Tgt Ion: 43 Resp: 33932
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5

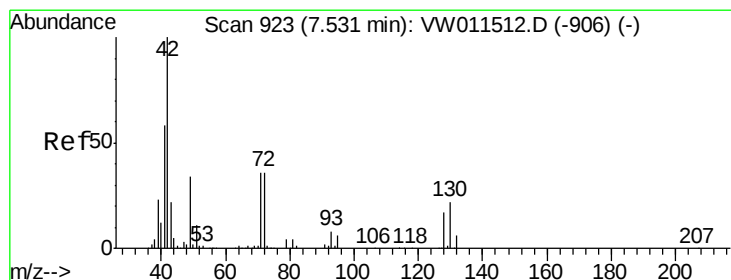
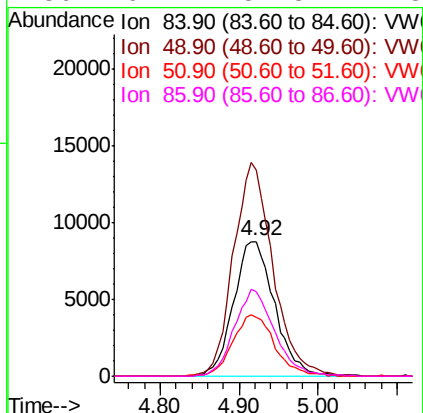
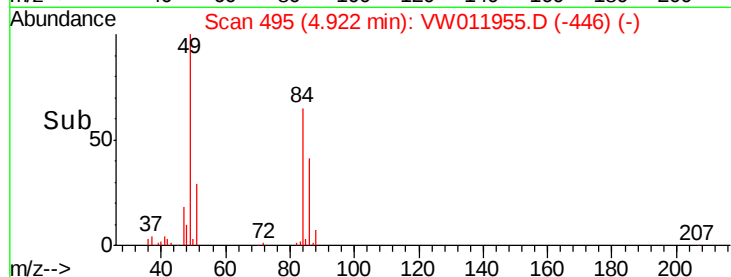
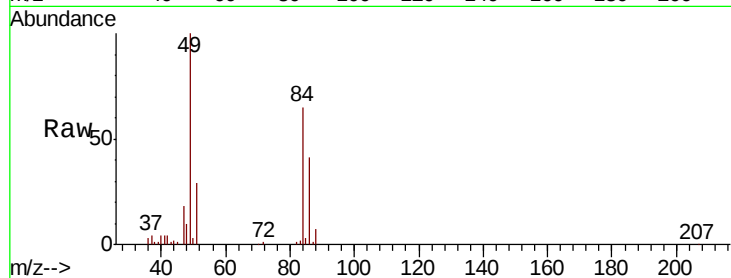




#20
Methylene Chloride
Concen: 12.342 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011955.D
Acq: 16 Aug 2019 11:01

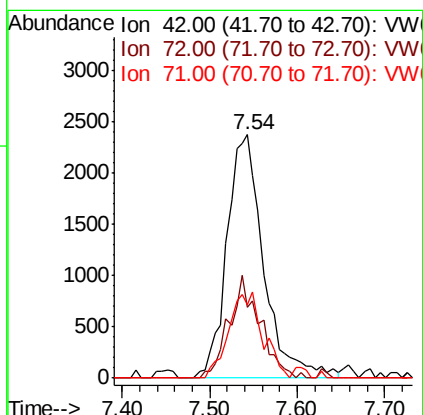
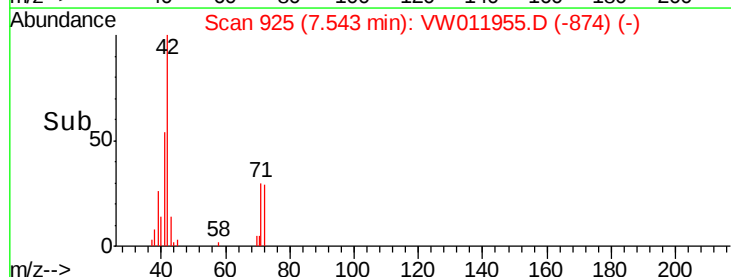
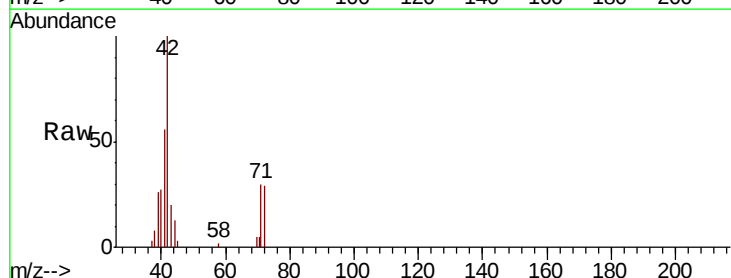
Instrument :
MSVOA_W
ClientSampleId :
JC-03-081519-A

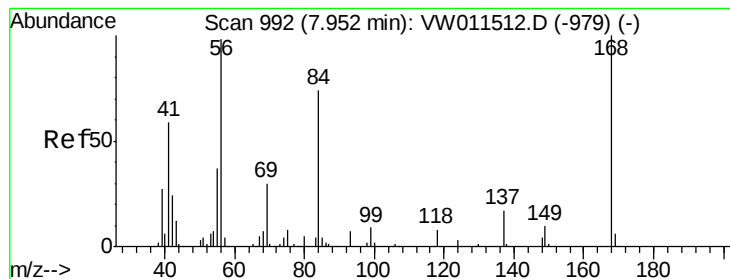
Tgt Ion:	84	Resp:	31749
Ion	Ratio	Lower	Upper
84	100		
49	153.0	117.8	176.6
51	44.2	37.0	55.4
86	62.4	51.8	77.8



#29
Tetrahydrofuran
Concen: 12.431 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011955.D
Acq: 16 Aug 2019 11:01

Tgt Ion:	42	Resp:	6935
Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.1	40.7
71	32.9	26.2	39.4





#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-A

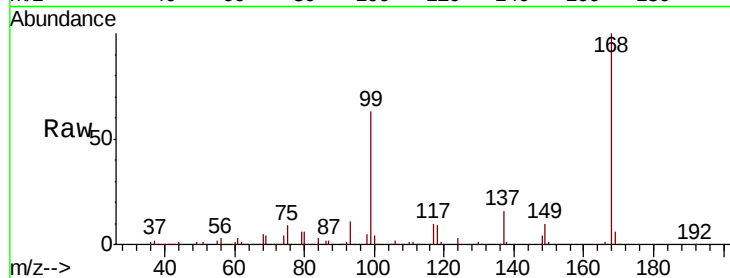
Tgt Ion: 56 Resp: 5352

Ion Ratio Lower Upper

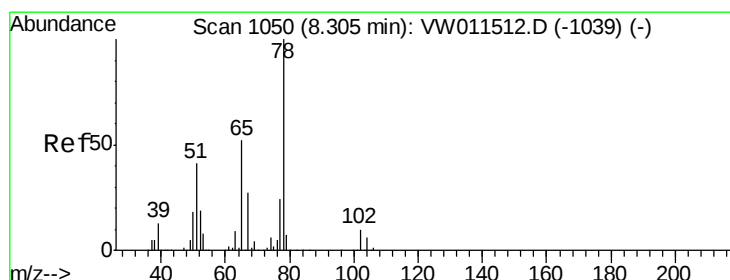
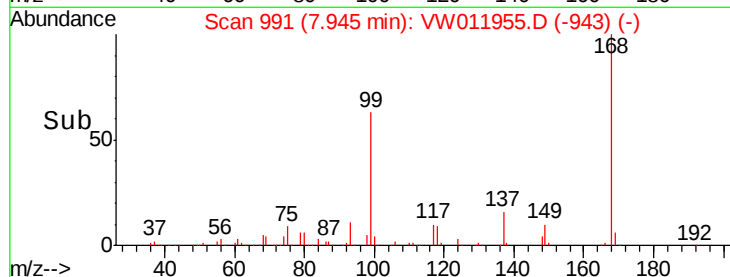
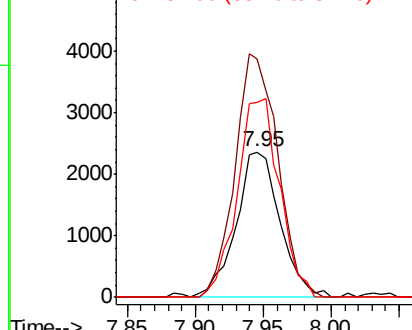
56 100

69 164.2 24.3 36.5#

84 134.6 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: 56.795 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011955.D

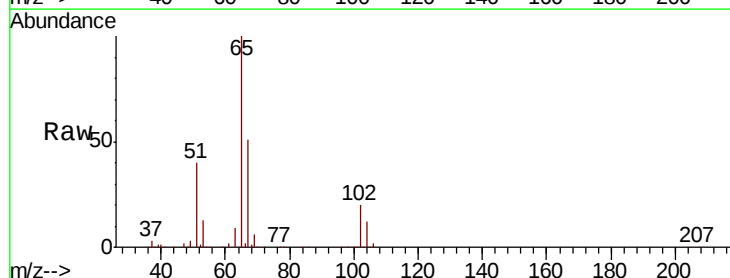
Acq: 16 Aug 2019 11:01

Tgt Ion: 65 Resp: 133174

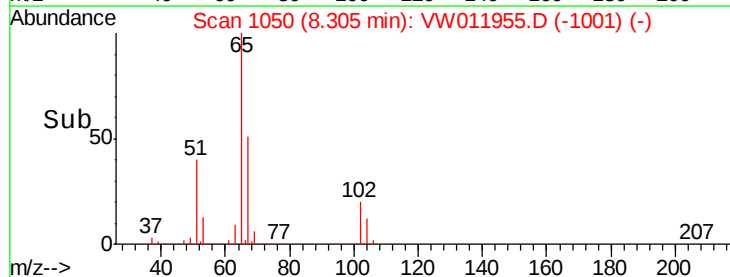
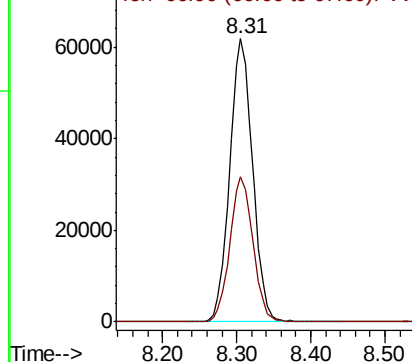
Ion Ratio Lower Upper

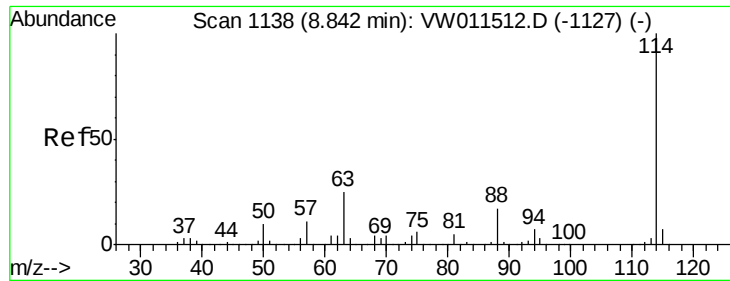
65 100

67 51.8 0.0 105.2



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

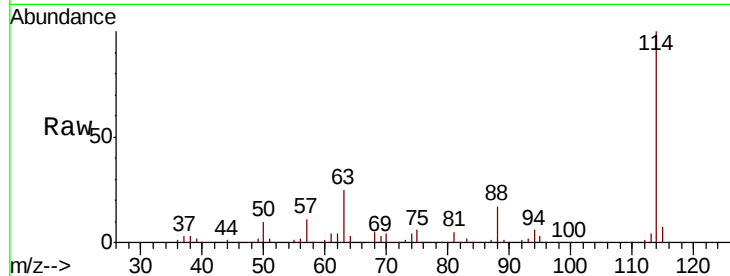




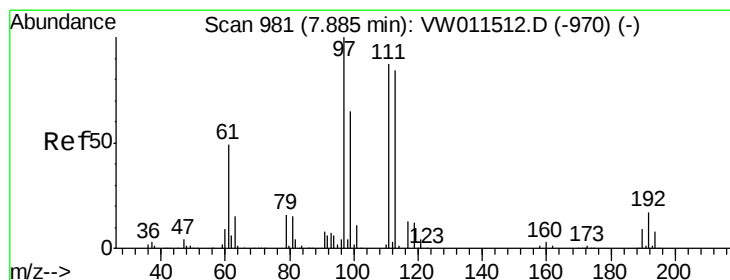
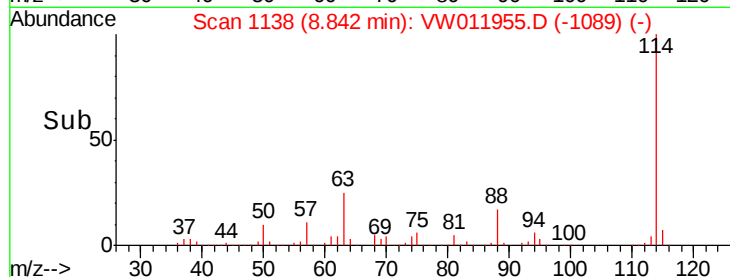
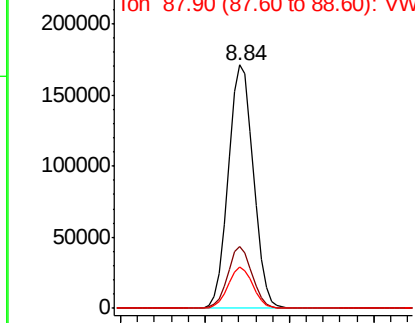
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011955.D
 Acq: 16 Aug 2019 11:01

Instrument :
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 JC-03-081519-A

Tgt Ion:114 Resp: 345736
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.2 0.0 33.8

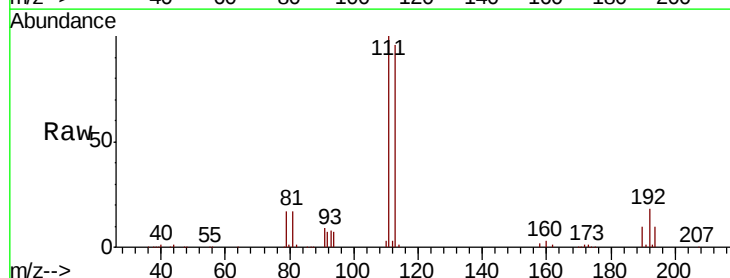


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

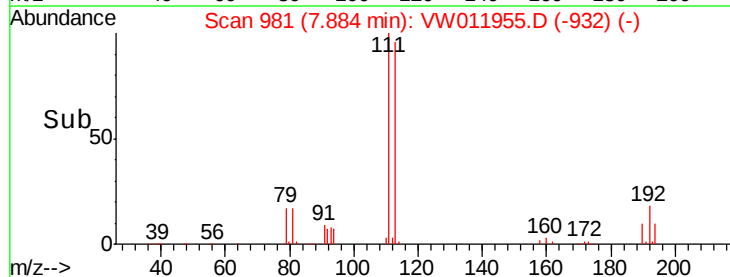
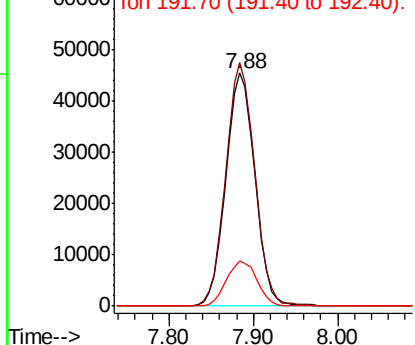


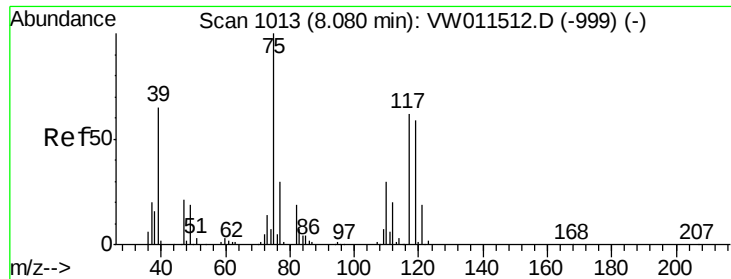
#35
 Dibromofluoromethane
 Concen: 54.542 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011955.D
 Acq: 16 Aug 2019 11:01

Tgt Ion:113 Resp: 105791
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.2 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

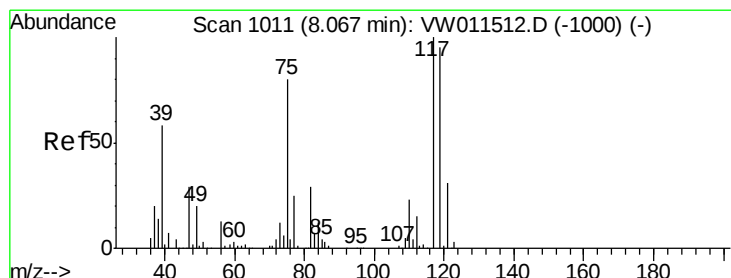
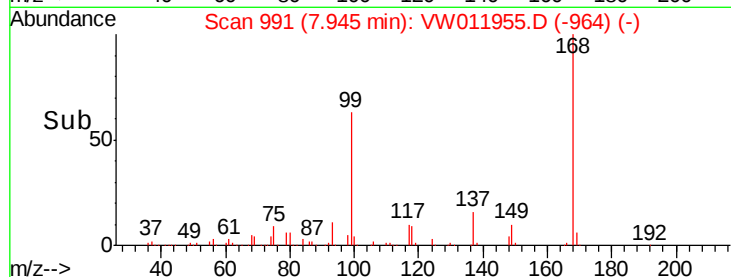
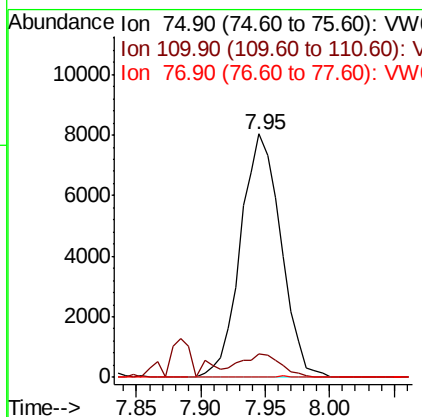
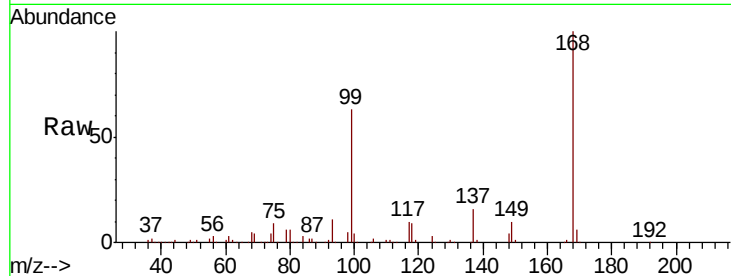




#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011955.D
 Acq: 16 Aug 2019 11:01

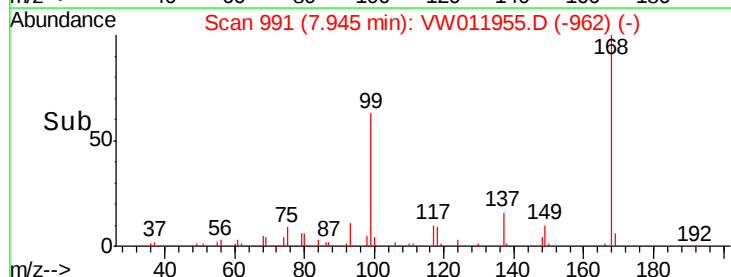
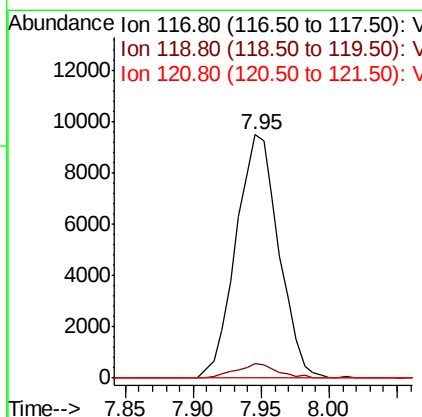
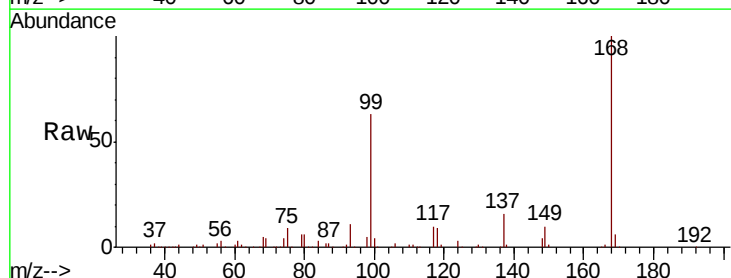
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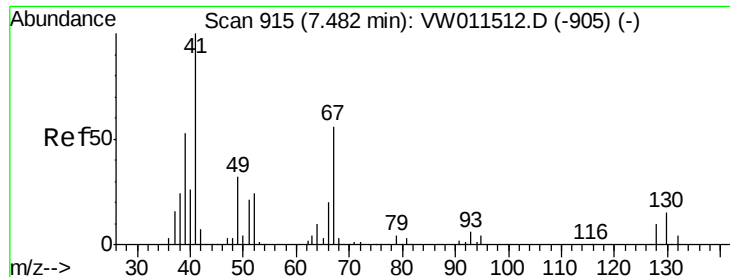
Tgt Ion: 75 Resp: 17378
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.776 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011955.D
 Acq: 16 Aug 2019 11:01

Tgt Ion: 117 Resp: 20853
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.8 113.6#
 121 0.0 24.7 37.1#





#41

Methacrylonitrile

Concen: 3.358 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

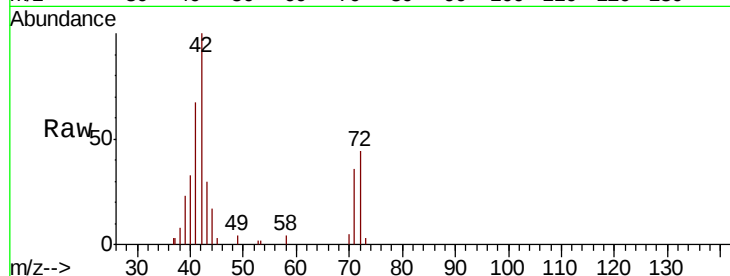
Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-A

Tgt Ion:	41	Resp:	4152
Ion	Ratio	Lower	Upper
41	100		
39	44.8	43.0	64.4
67	0.0	47.5	71.3#
52	0.6	21.0	31.6#

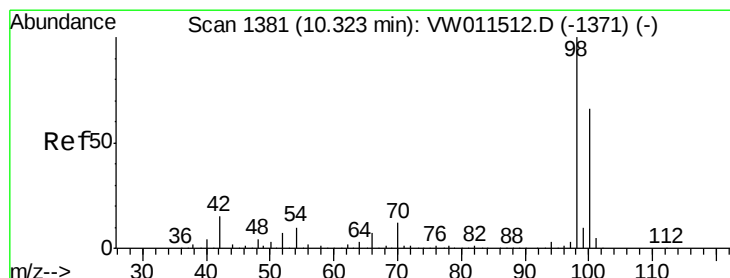
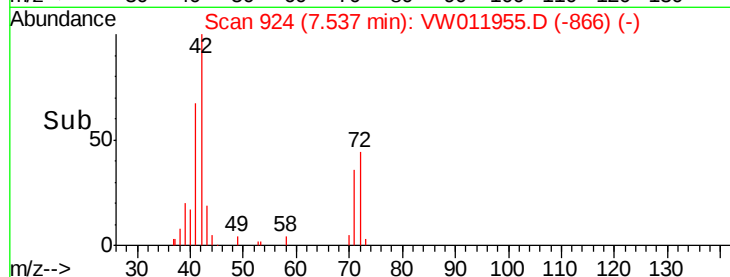
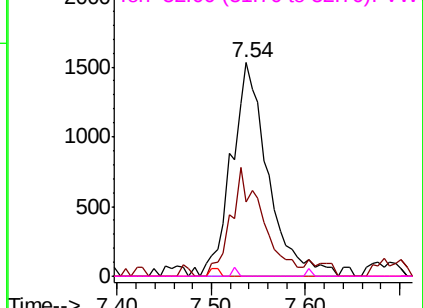


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.982 ug/l

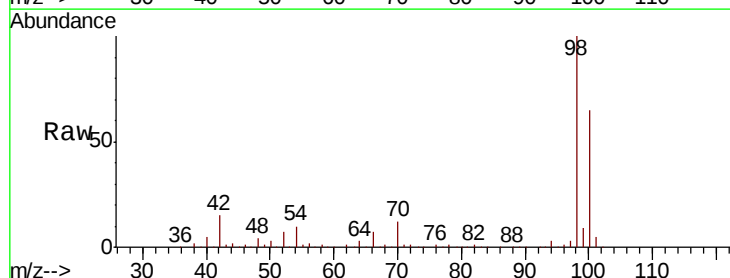
RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011955.D

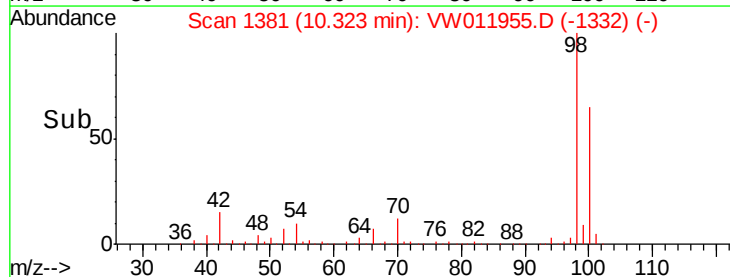
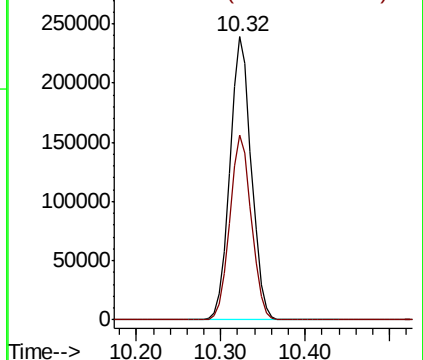
Acq: 16 Aug 2019 11:01

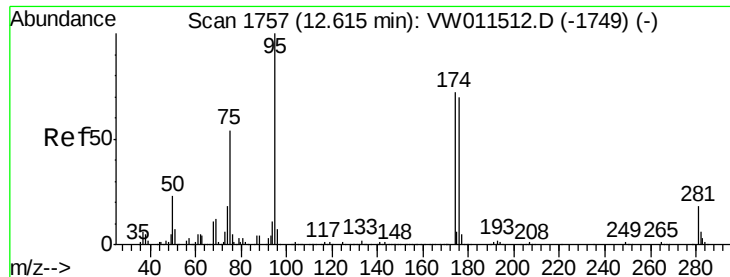
Tgt Ion:	98	Resp:	412811
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

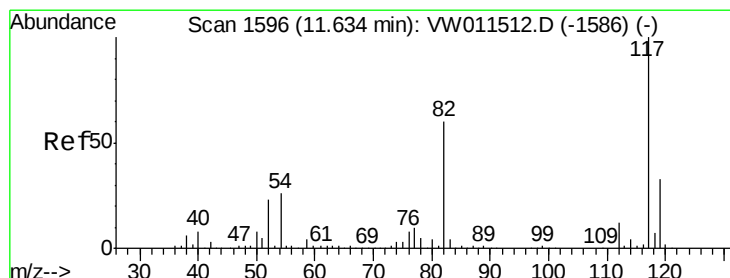
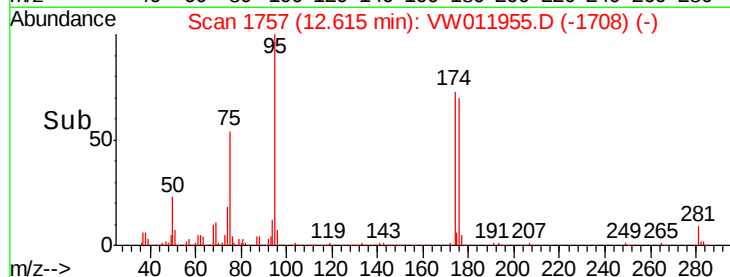
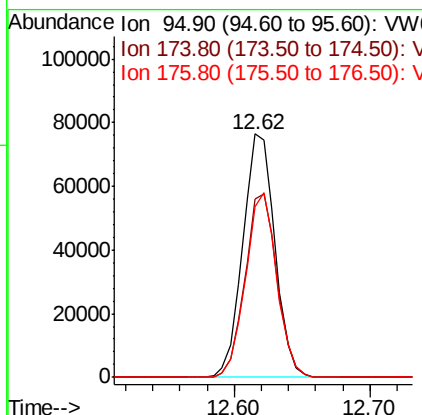
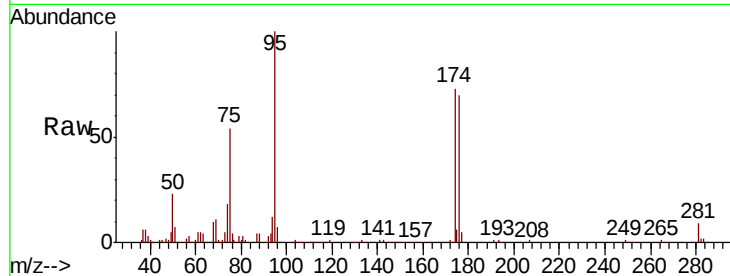




#62
4-Bromofluorobenzene
Concen: 44.497 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011955.D
Acq: 16 Aug 2019 11:01

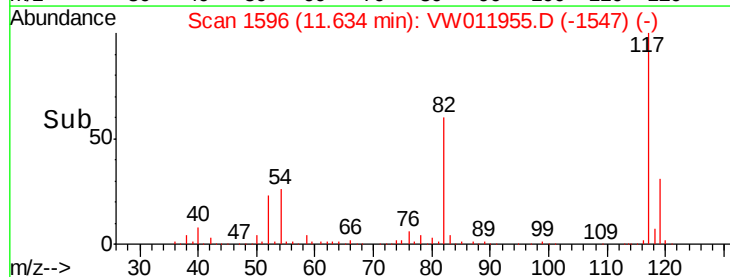
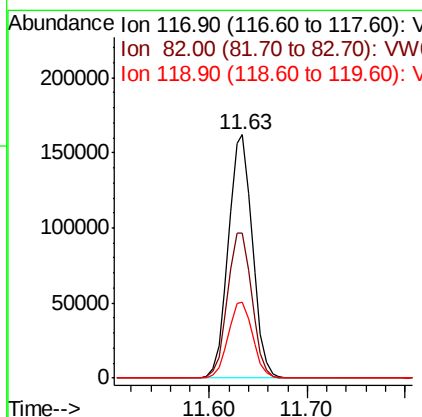
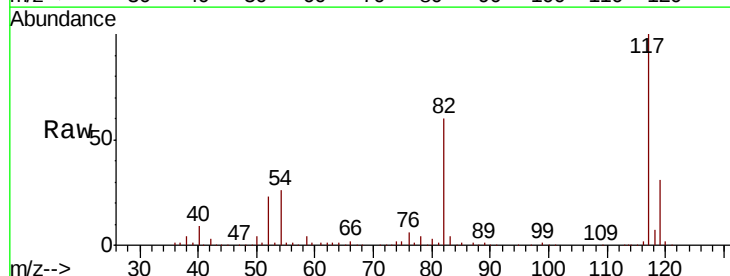
Instrument :
MSVOA_W
ClientSampleId :
JC-03-081519-A

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.2
176	73.9	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: VW011955.D
Acq: 16 Aug 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.9	71.9
119	31.4	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-A

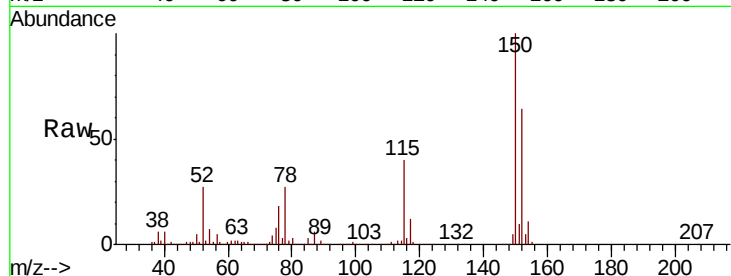
Tgt Ion:152 Resp: 104394

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

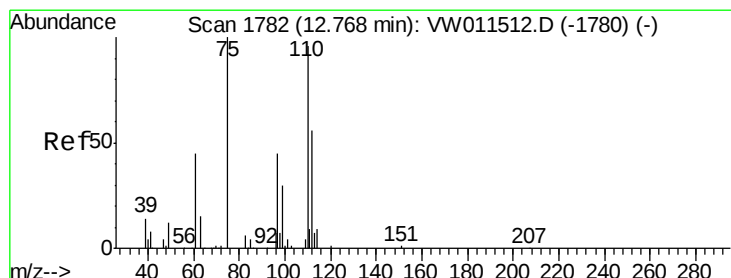
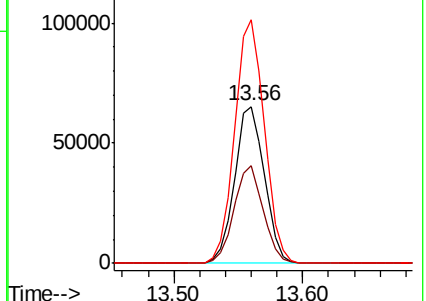
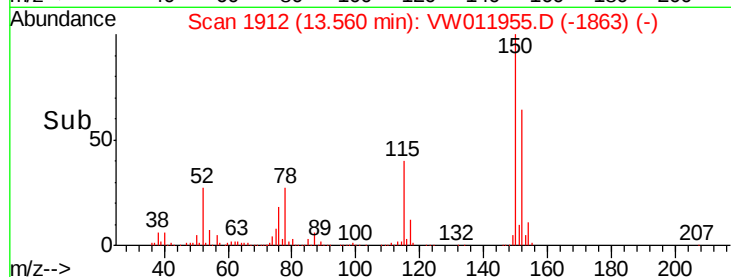
150 155.3 0.0 352.6



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: 60.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011955.D

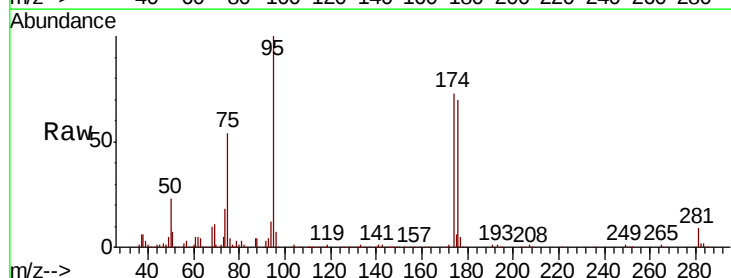
Acq: 16 Aug 2019 11:01

Tgt Ion: 75 Resp: 67062

Ion Ratio Lower Upper

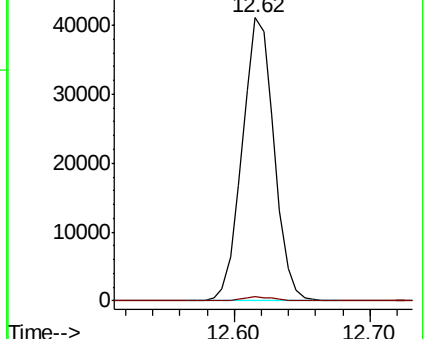
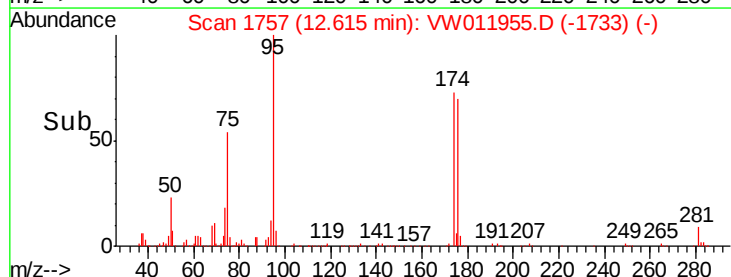
75 100

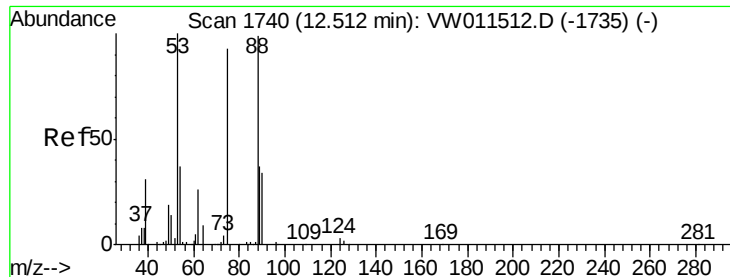
77 1.3 0.0 0.0#



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: 139.918 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-A

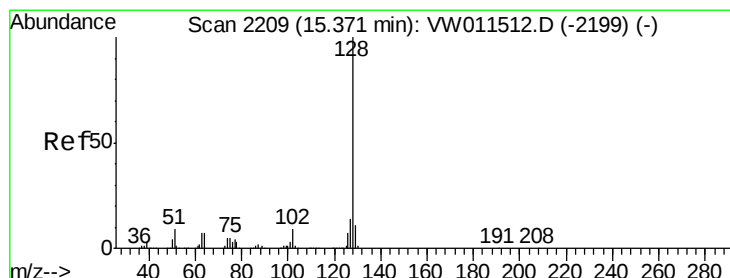
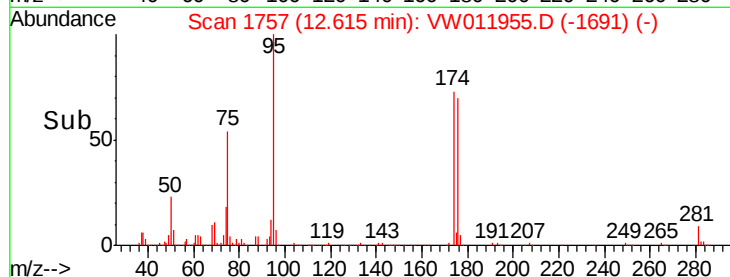
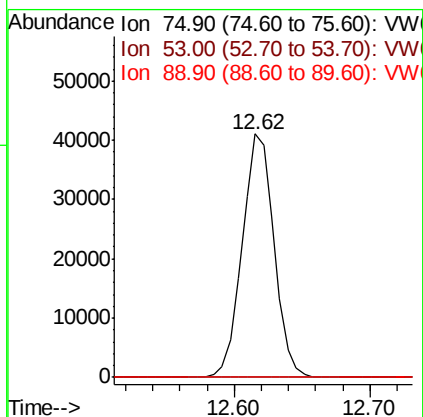
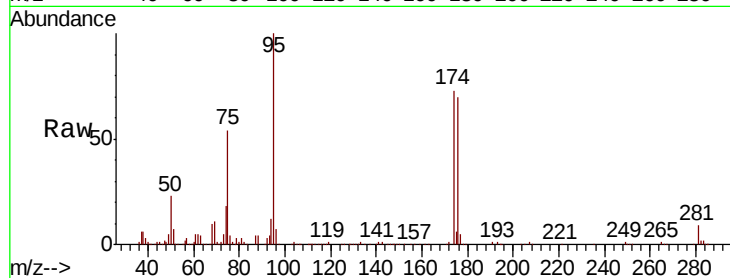
Tgt Ion: 75 Resp: 67062

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.498 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011955.D

Acq: 16 Aug 2019 11:01

Tgt Ion: 128 Resp: 1856

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 18.4 8.6 13.0#

