

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011957.D
 Acq On : 16 Aug 2019 11:52
 Operator : SY/VA
 Sample : K3616-15
 Misc : 5.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 17 04:58:24 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	216082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90146	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	141752	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.88	113	112377	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
50) Toluene-d8	10.32	98	436456	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.62	95	123720	41.02	ug/l	0.00
Spiked Amount			Recovery	=	82.04%	

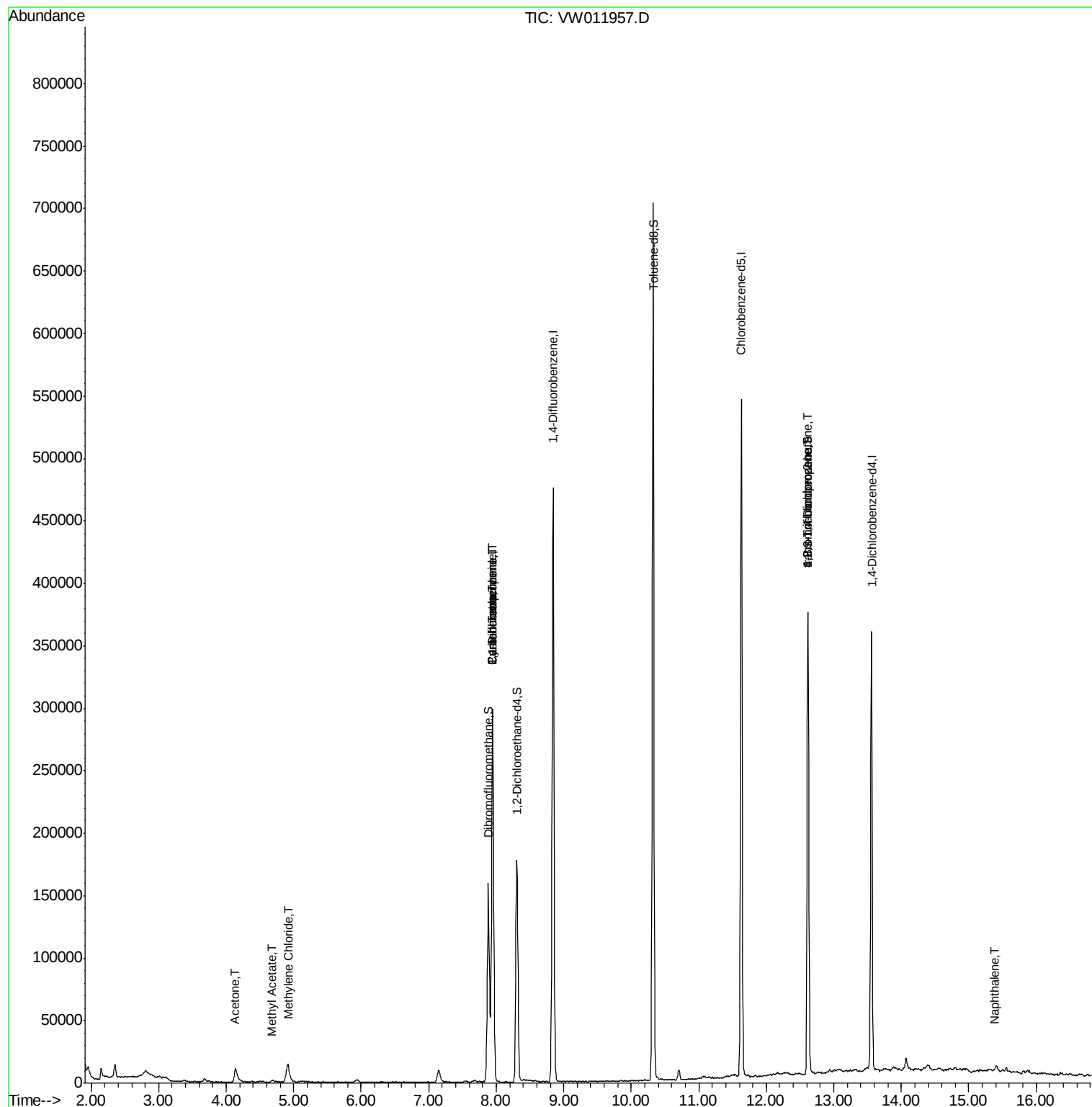
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	123	Below Cal	#	72
16) Acetone	4.14	43	21740	27.544	ug/l	99
18) Methyl Acetate	4.68	43	3133	1.767	ug/l	93
20) Methylene Chloride	4.92	84	10189	3.743	ug/l	97
31) Cyclohexane	7.95	56	5584	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18688	4.880	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22691	6.922	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	65885	69.073	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65885	159.189	ug/l #	6
95) Naphthalene	15.38	128	808	2.284	ug/l #	91

(#) = 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: VW011957.D

Acq: 16 Aug 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

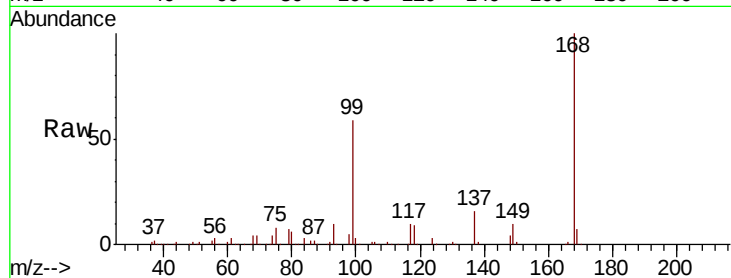
JC-03-081519-C

Tgt Ion:168 Resp: 216082

Ion Ratio Lower Upper

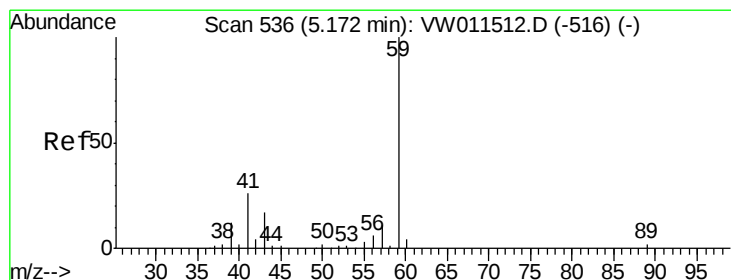
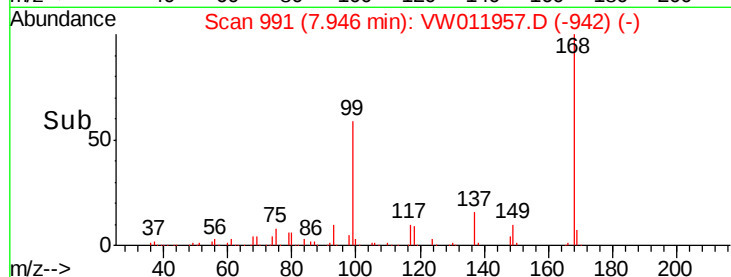
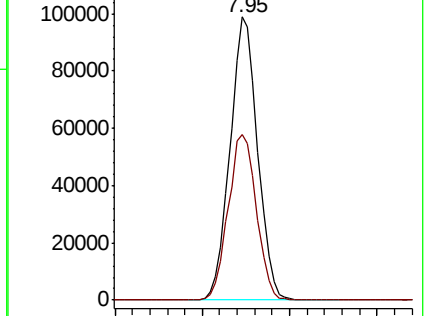
168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011957.D

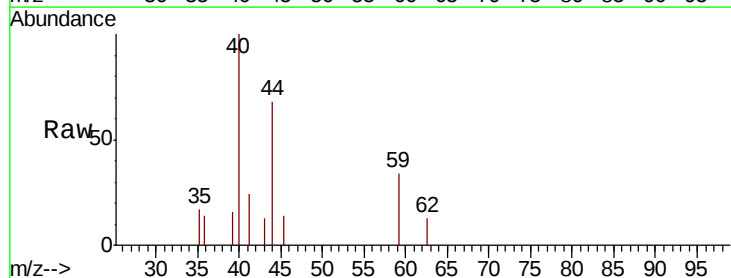
Acq: 16 Aug 2019 11:52

Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

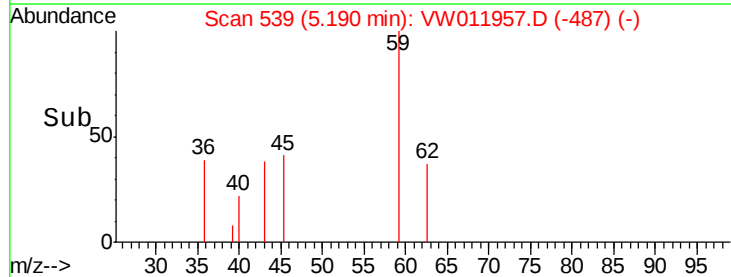
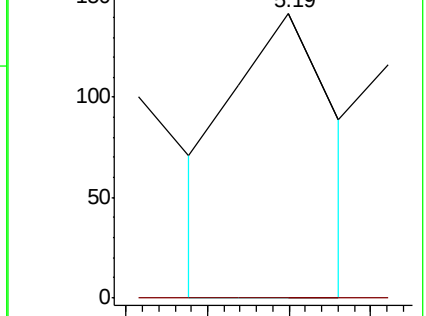
59 100

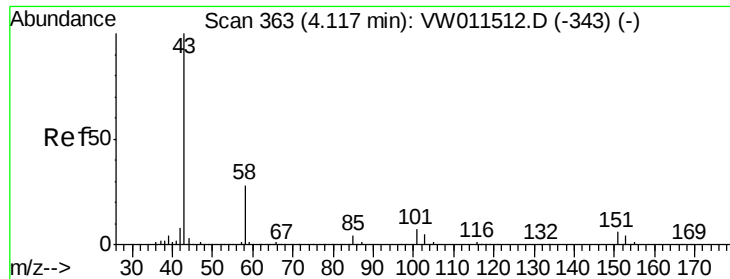
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 27.544 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

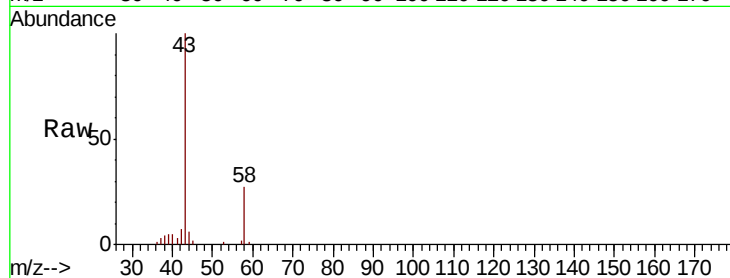
JC-03-081519-C

Tgt Ion: 43 Resp: 21740

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

4000

2000

0

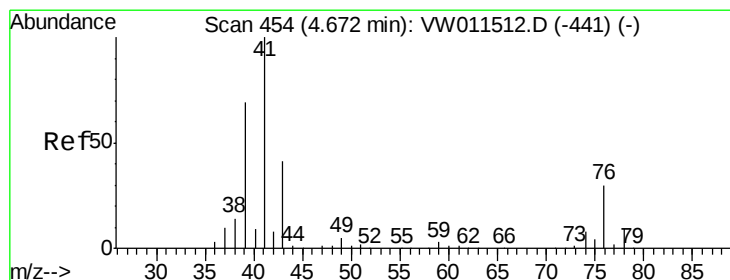
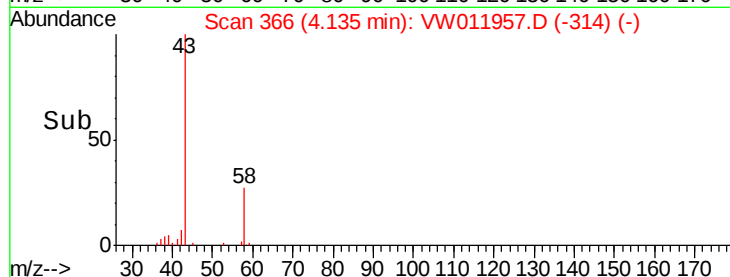
4.14

4.10

4.20

4.30

Time-->



#18

Methyl Acetate

Concen: 1.767 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011957.D

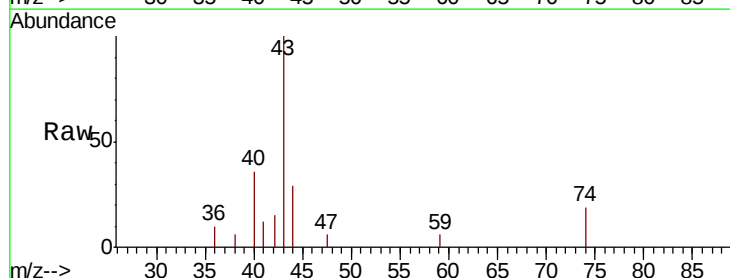
Acq: 16 Aug 2019 11:52

Tgt Ion: 43 Resp: 3133

Ion Ratio Lower Upper

43 100

74 16.7 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

1000

800

600

400

200

0

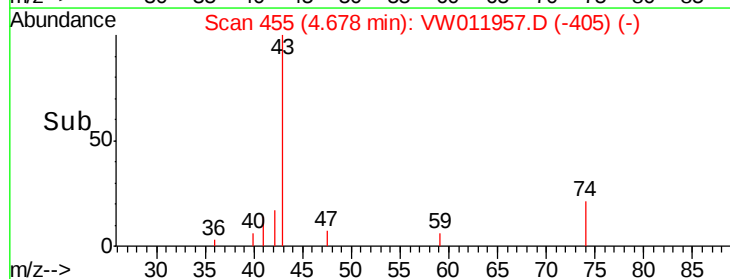
4.68

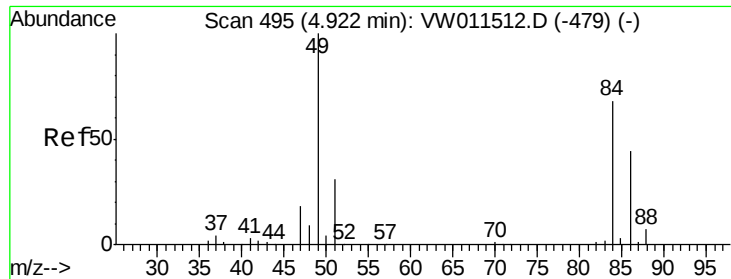
4.60

4.70

4.80

Time-->

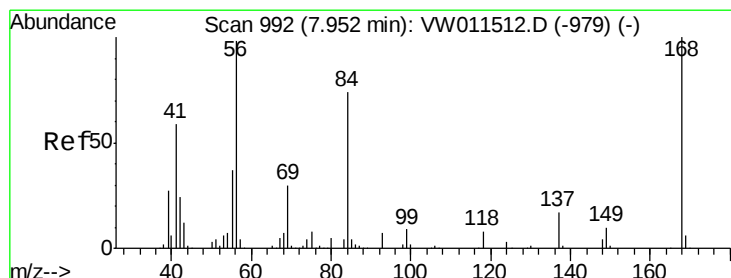
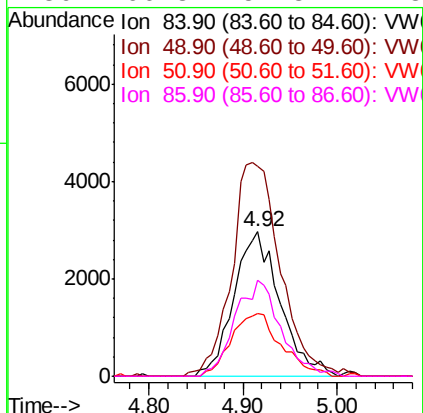
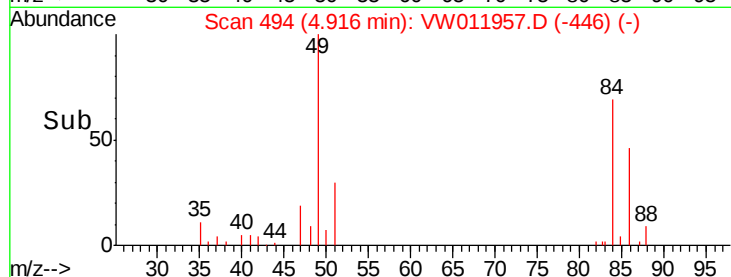
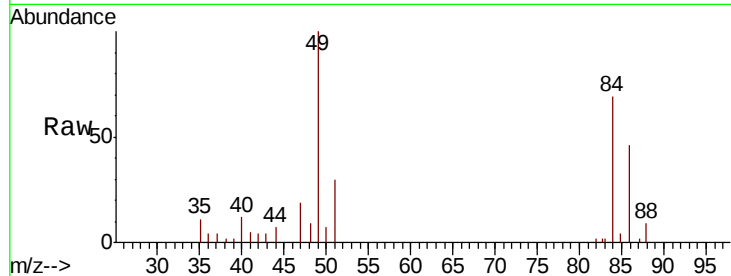




#20
Methylene Chloride
Concen: 3.743 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011957.D
Acq: 16 Aug 2019 11:52

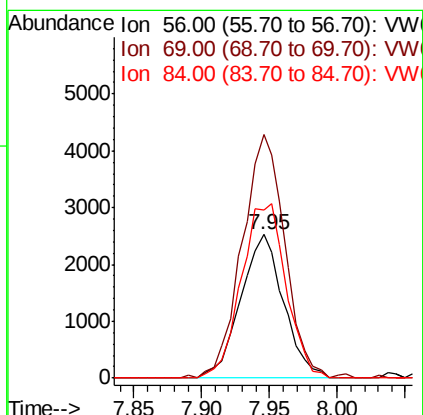
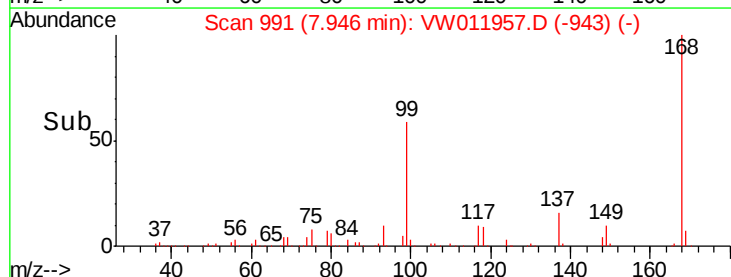
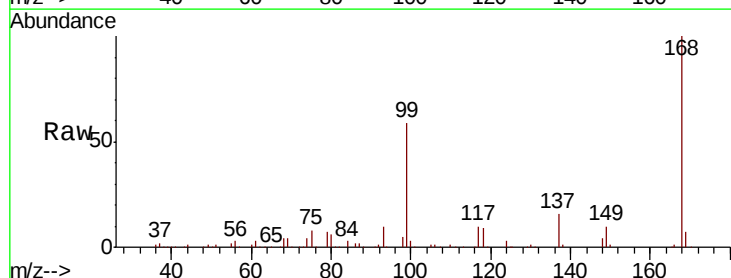
Instrument :
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JC-03-081519-C

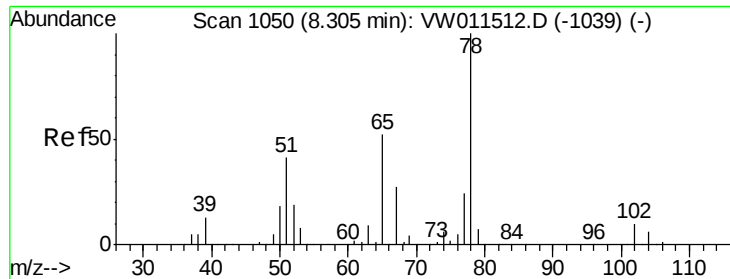
Tgt Ion:	84	Resp:	10189
Ion	Ratio	Lower	Upper
84	100		
49	143.0	117.8	176.6
51	43.6	37.0	55.4
86	66.3	51.8	77.8



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011957.D
Acq: 16 Aug 2019 11:52

Tgt Ion:	56	Resp:	5584
Ion	Ratio	Lower	Upper
56	100		
69	167.4	24.3	36.5#
84	116.8	60.4	90.6#

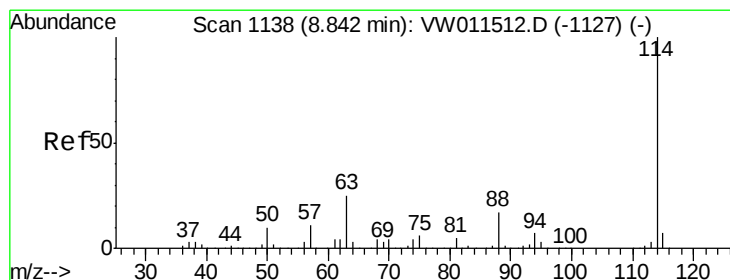
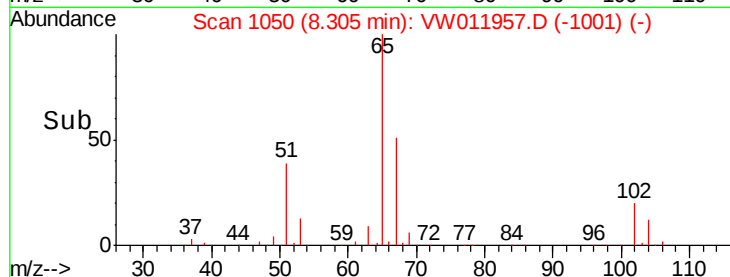
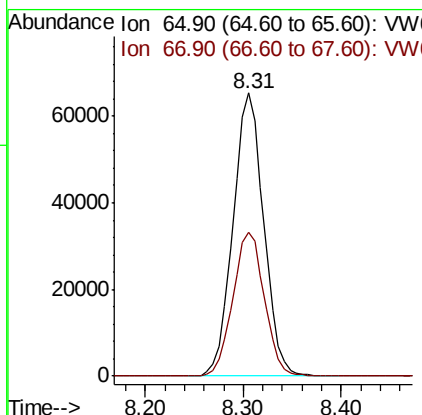
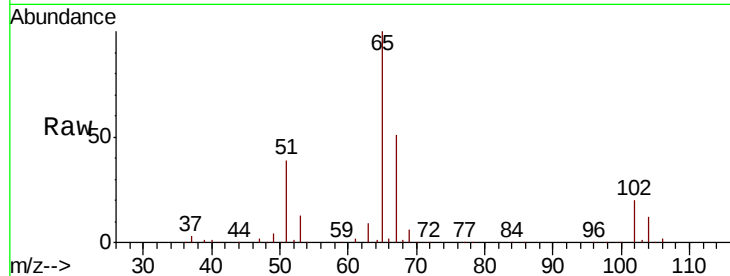




#33
 1,2-Dichloroethane-d4
 Concen: 57.130 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011957.D
 Acq: 16 Aug 2019 11:52

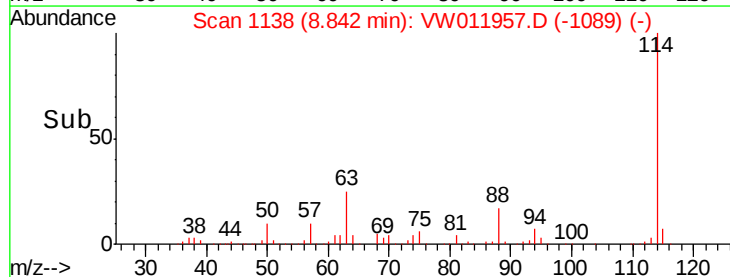
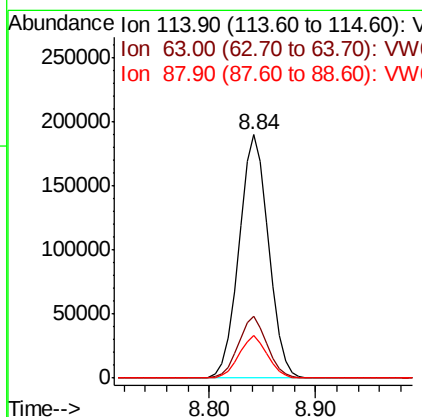
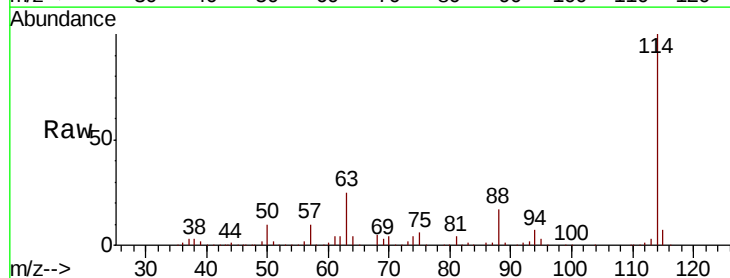
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-081519-C

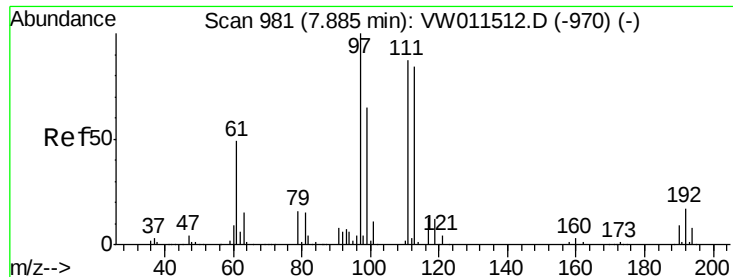
Tgt Ion: 65 Resp: 141752
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011957.D
 Acq: 16 Aug 2019 11:52

Tgt Ion: 114 Resp: 368258
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 17.3 0.0 33.8

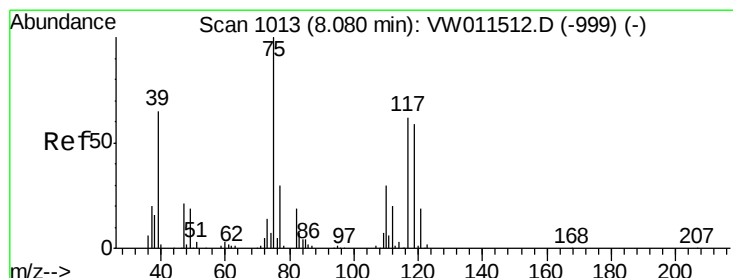
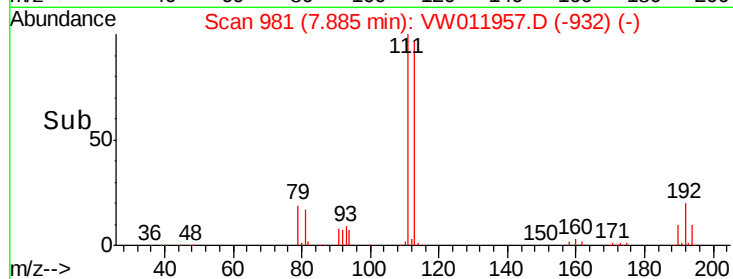
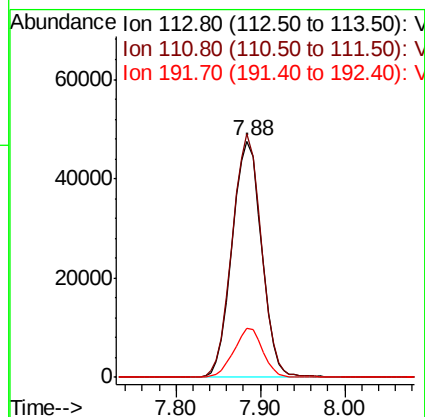
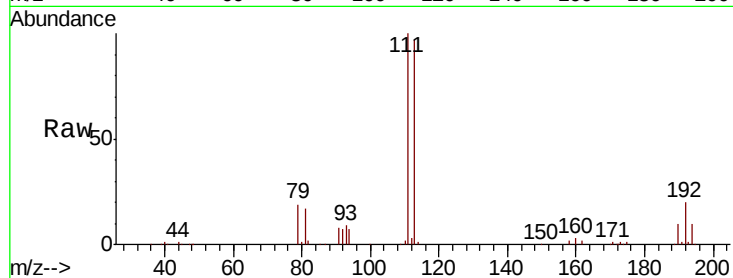




#35
 Dibromofluoromethane
 Concen: 54.394 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011957.D
 Acq: 16 Aug 2019 11:52

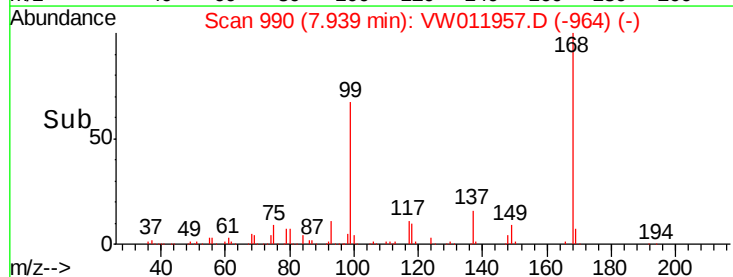
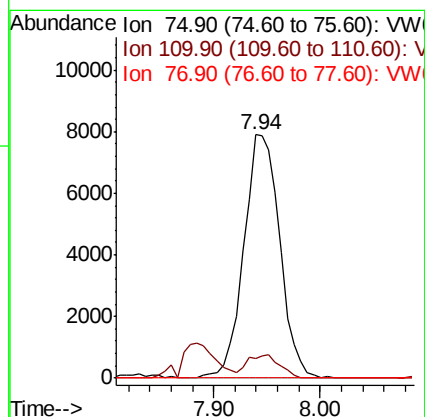
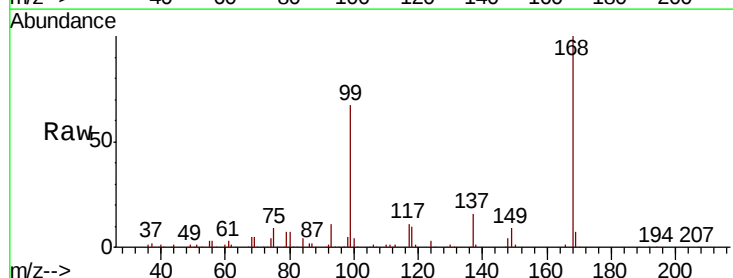
Instrument :
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 ClientSampleId :
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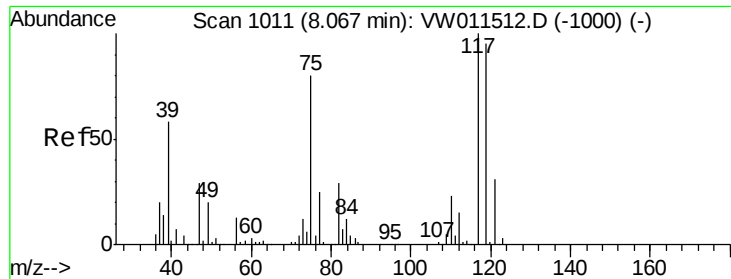
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.0	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.880 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011957.D
 Acq: 16 Aug 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#

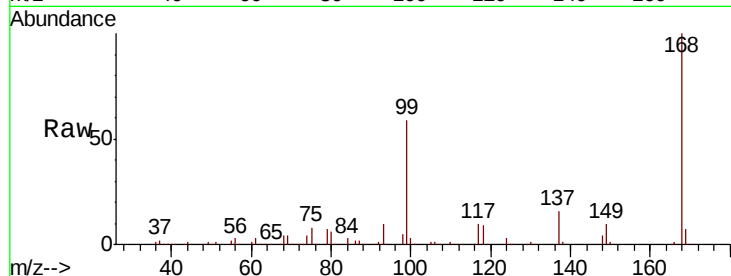




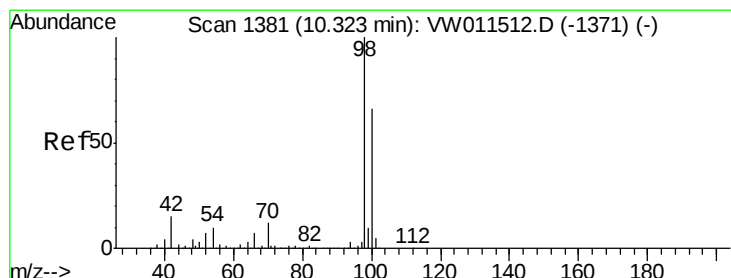
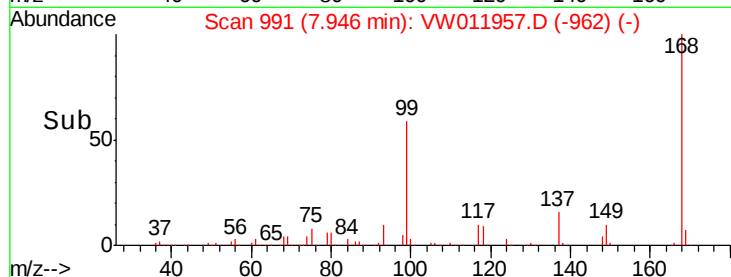
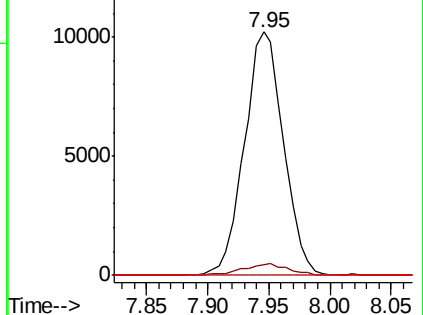
#38
Carbon Tetrachloride
Concen: 6.922 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011957.D
Acq: 16 Aug 2019 11:52

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

Tgt Ion:117 Resp: 22691
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.7 37.1#

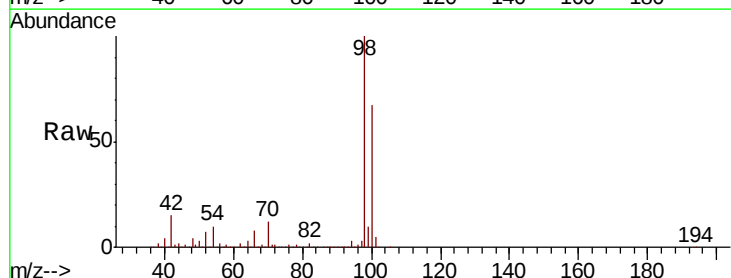


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

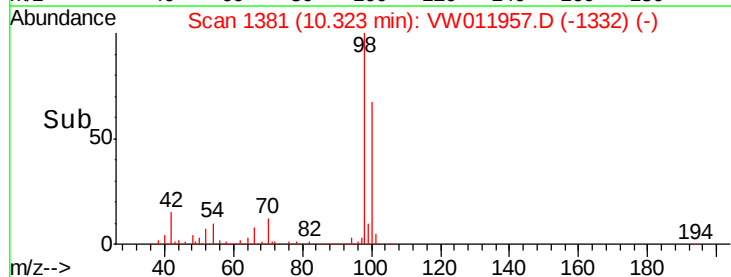
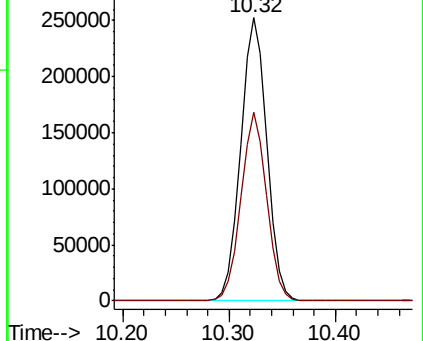


#50
Toluene-d8
Concen: 51.598 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011957.D
Acq: 16 Aug 2019 11:52

Tgt Ion: 98 Resp: 436456
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 41.025 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-C

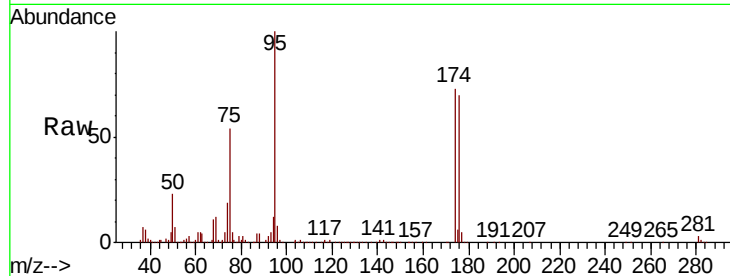
Tgt Ion: 95 Resp: 123720

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

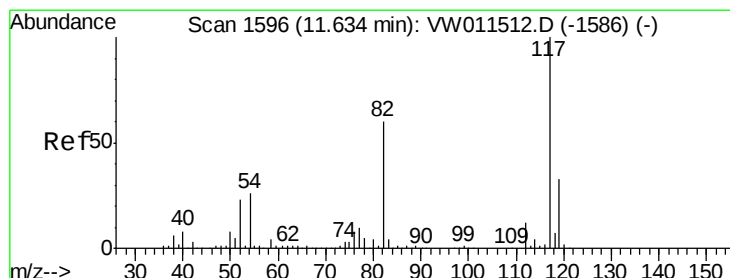
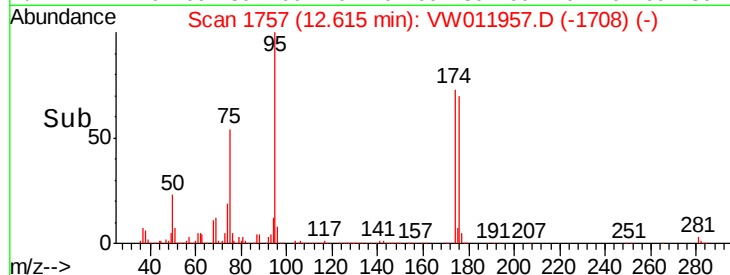
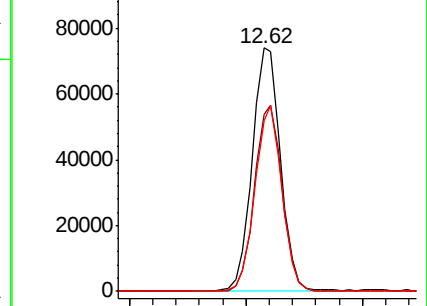
176 73.4 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW011957.D (-1749) (-)

Ion 173.80 (173.50 to 174.50): VW011957.D (-1749) (-)

Ion 175.80 (175.50 to 176.50): VW011957.D (-1749) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

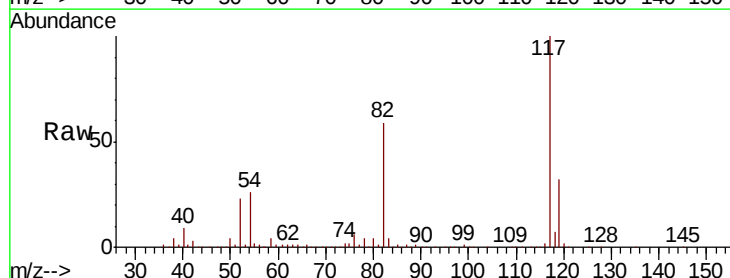
Tgt Ion: 117 Resp: 284318

Ion Ratio Lower Upper

117 100

82 59.2 47.9 71.9

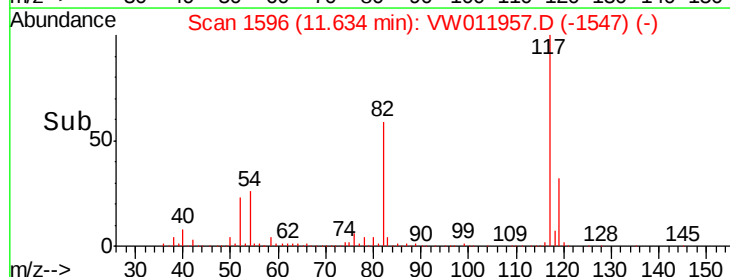
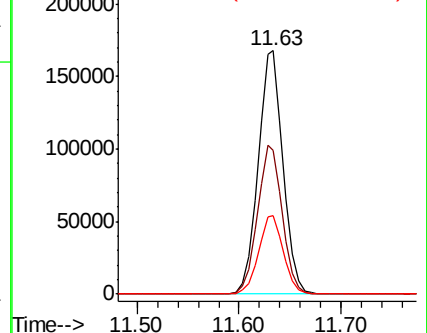
119 32.1 26.2 39.2

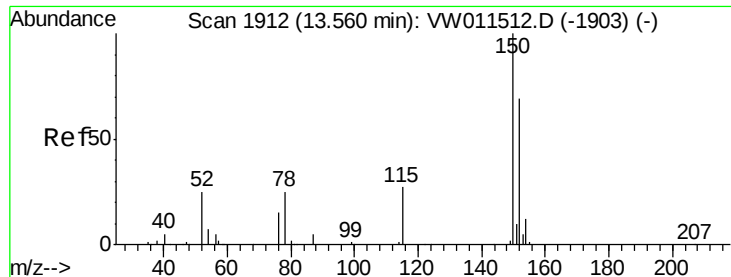


Abundance Ion 116.90 (116.60 to 117.60): VW011957.D (-1547) (-)

Ion 82.00 (81.70 to 82.70): VW011957.D (-1547) (-)

Ion 118.90 (118.60 to 119.60): VW011957.D (-1547) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-C

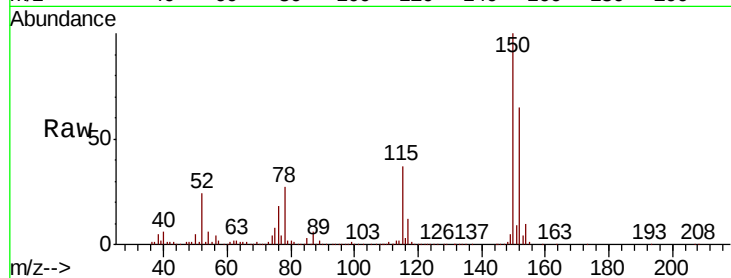
Tgt Ion:152 Resp: 90146

Ion Ratio Lower Upper

152 100

115 59.0 30.5 91.5

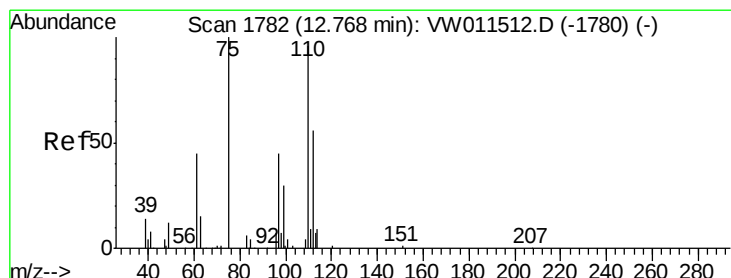
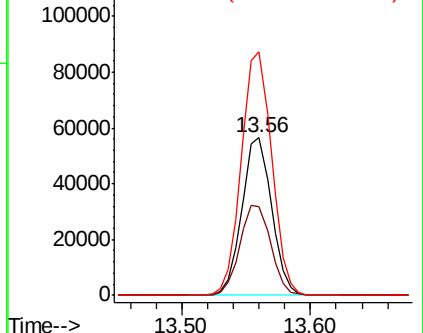
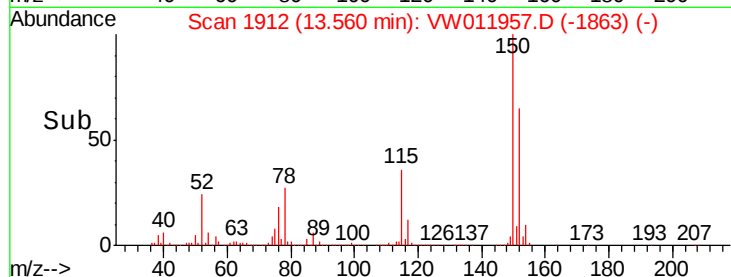
150 157.8 0.0 352.6



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: 69.073 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011957.D

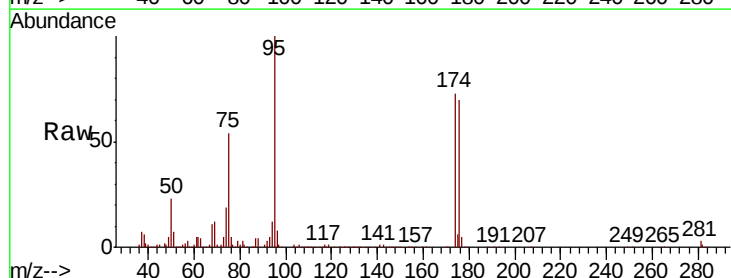
Acq: 16 Aug 2019 11:52

Tgt Ion: 75 Resp: 65885

Ion Ratio Lower Upper

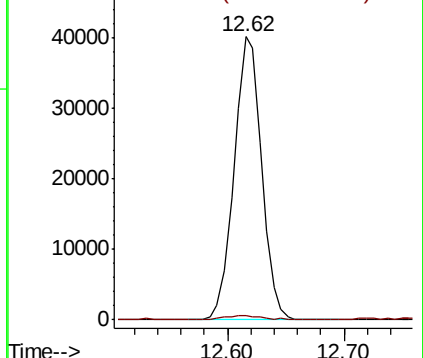
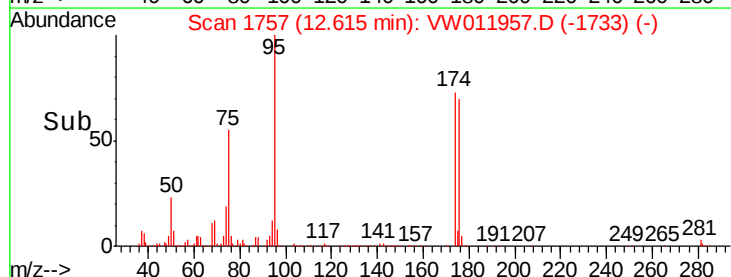
75 100

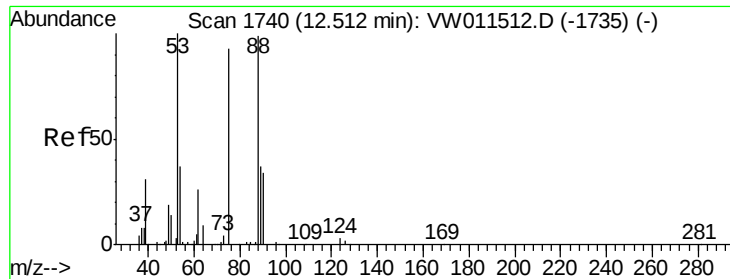
77 2.6 0.0 0.0#



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: 159.189 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-C

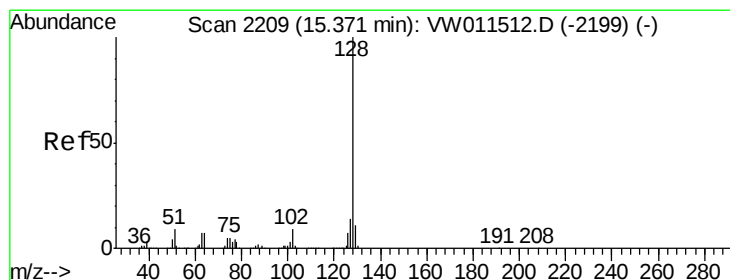
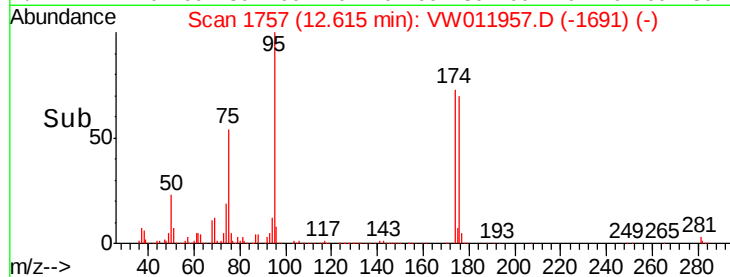
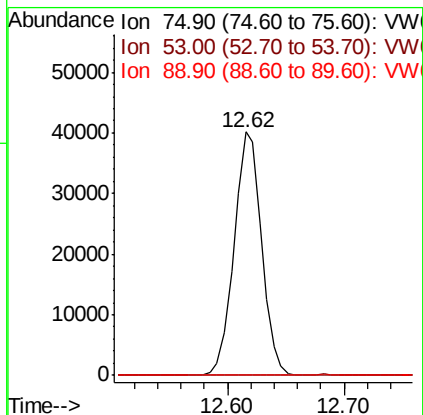
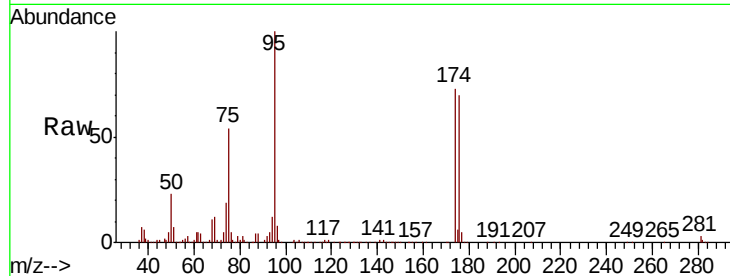
Tgt Ion: 75 Resp: 65885

Ion Ratio Lower Upper

75 100

53 0.5 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.284 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW011957.D

Acq: 16 Aug 2019 11:52

Tgt Ion: 128 Resp: 808

Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

129 16.5 8.6 13.0#

