

Data File : VW011150.D
Acq On : 03 Jul 2019 19:52
Operator : SY/VA
Sample : K3624-05
Misc : 3.98G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-01-070319-C

Quant Time: Jul 04 03:54:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	191646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	132533	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	7.88	113	100965	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.32	98	402029	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.62	95	123852	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	

Target Compounds

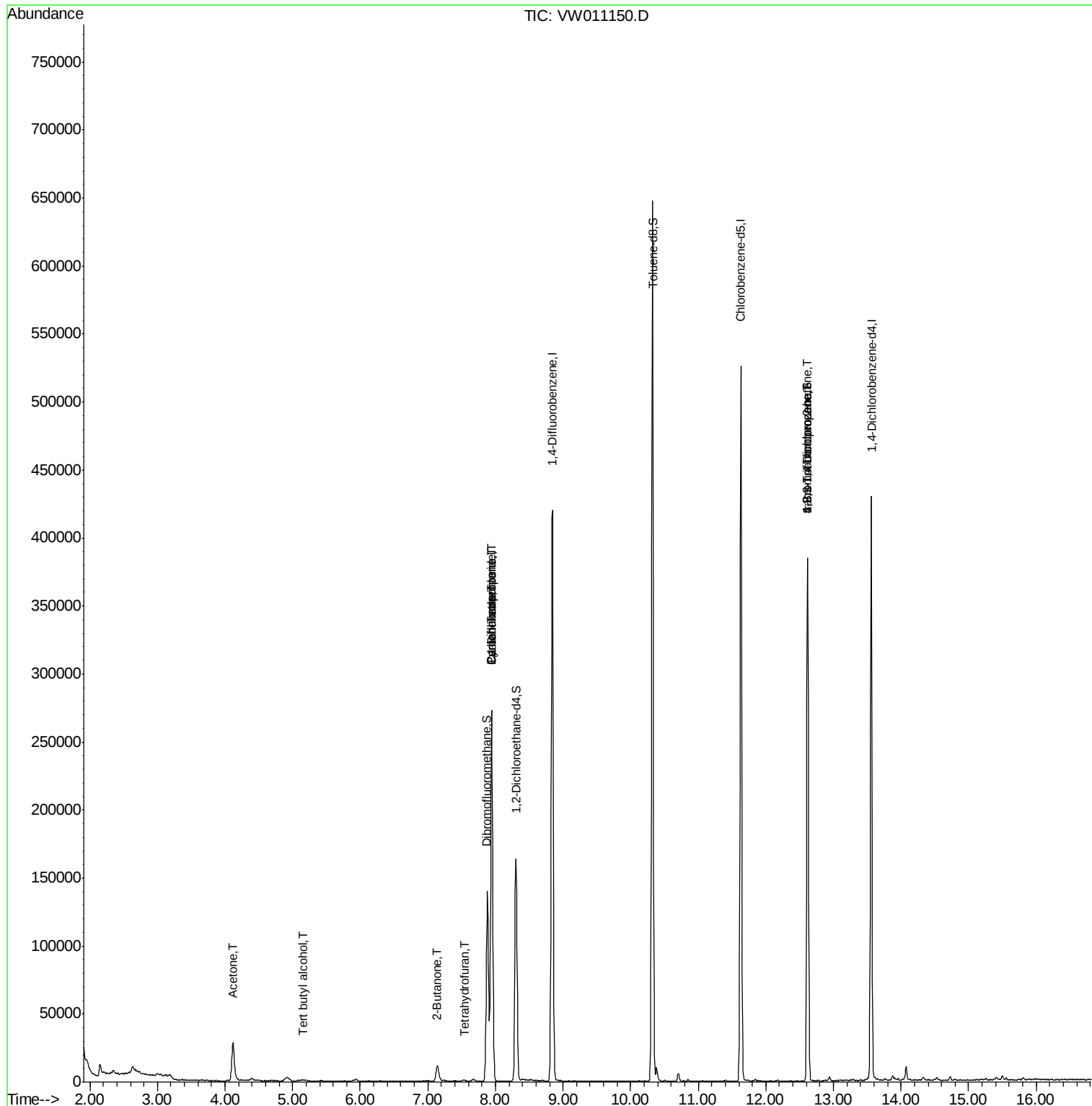
						Qvalue
11) Tert butyl alcohol	5.15	59	253	1.390	ug/l	97
16) Acetone	4.12	43	51982	85.002	ug/l	95
25) 2-Butanone	7.14	43	1266	1.362	ug/l #	54
29) Tetrahydrofuran	7.54	42	685	1.184	ug/l #	61
31) Cyclohexane	7.95	56	5046	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17043	4.800	ug/l #	51
38) Carbon Tetrachloride	7.94	117	19633	6.714	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	67009	62.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67009	125.472	ug/l #	3

(#) = 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: VW011150.D

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Instrument :

MSVOA_W

ClientSampleId :

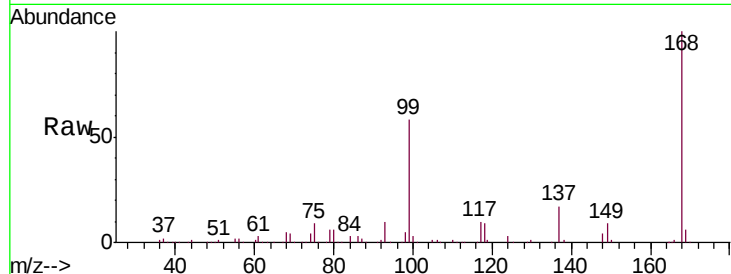
PL-01-070319-C

Tgt Ion: 168 Resp: 191646

Ion Ratio Lower Upper

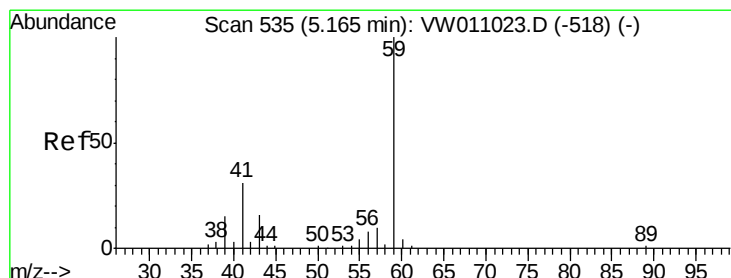
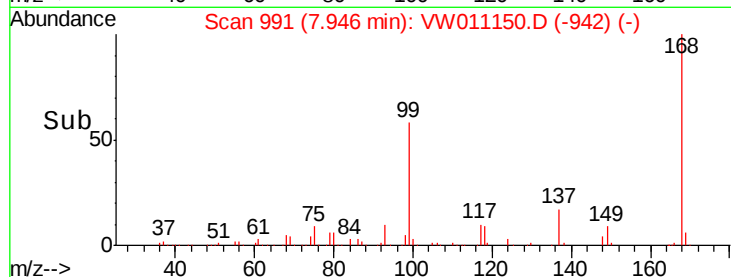
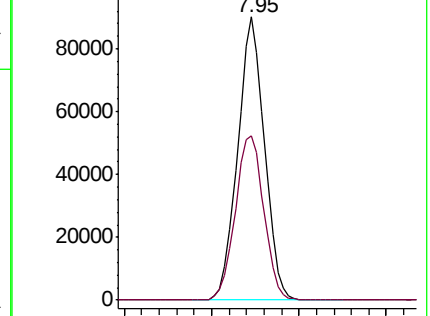
168 100

99 57.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.390 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011150.D

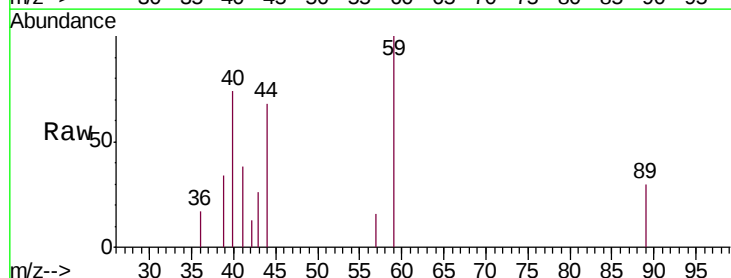
Acq: 03 Jul 2019 19:52

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

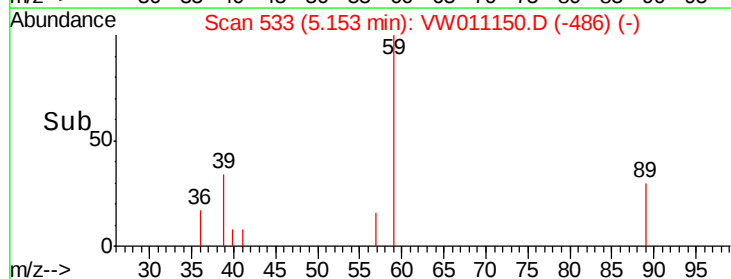
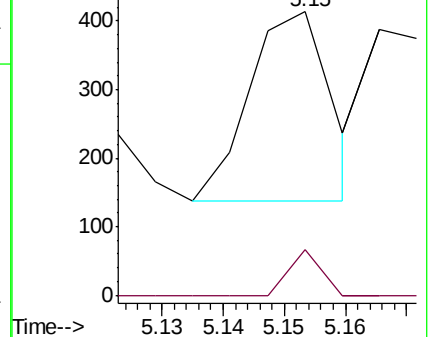
59 100

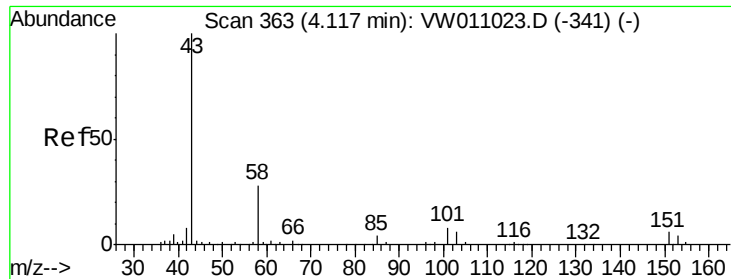
57 9.9 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 85.002 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

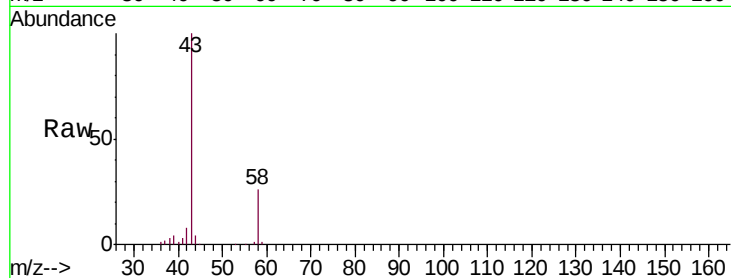
PL-01-070319-C

Tgt Ion: 43 Resp: 51982

Ion Ratio Lower Upper

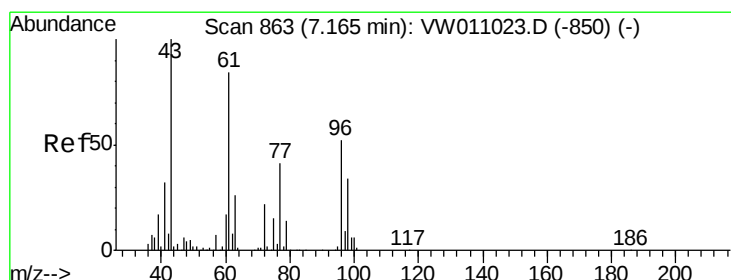
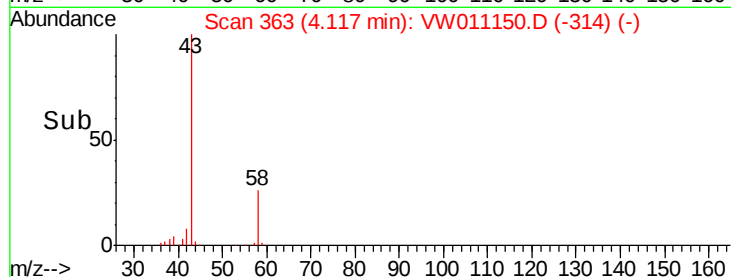
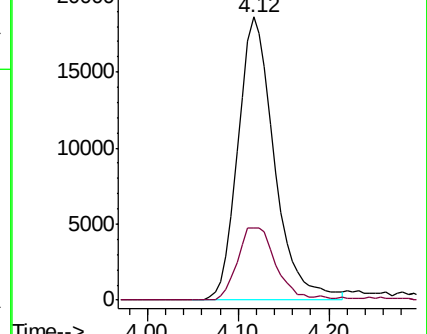
43 100

58 25.7 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.362 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011150.D

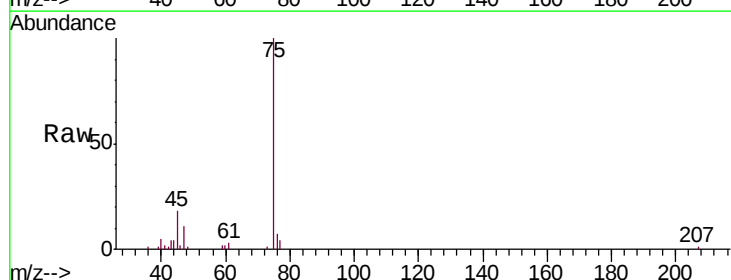
Acq: 03 Jul 2019 19:52

Tgt Ion: 43 Resp: 1266

Ion Ratio Lower Upper

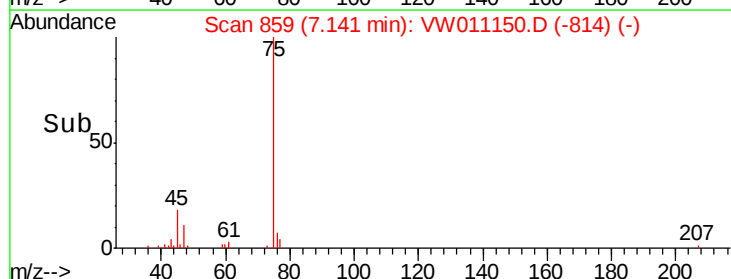
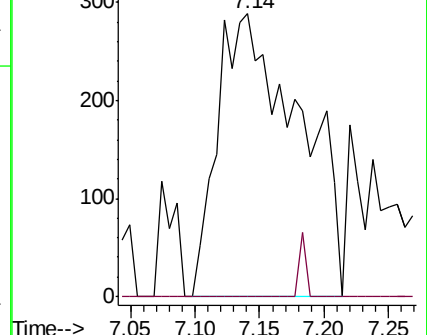
43 100

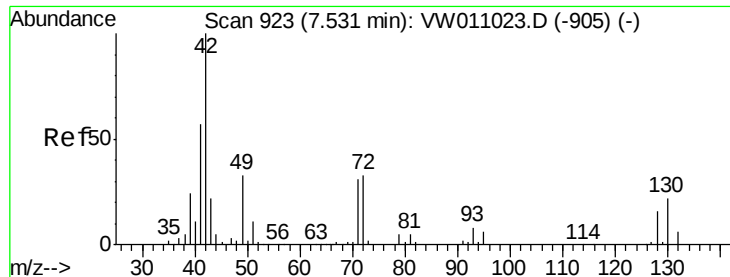
72 0.0 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.184 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

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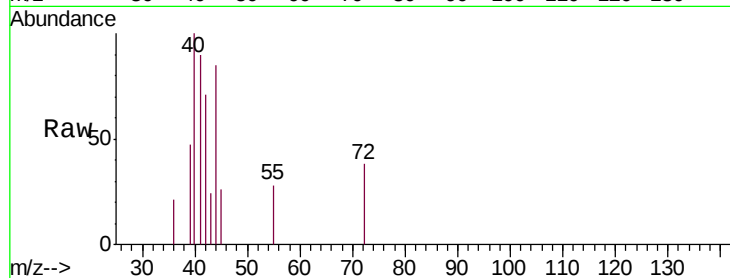
Tgt Ion: 42 Resp: 685

Ion Ratio Lower Upper

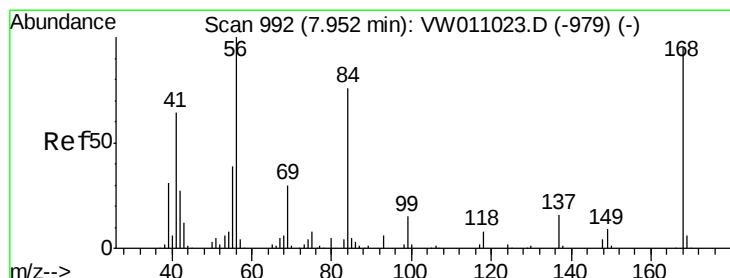
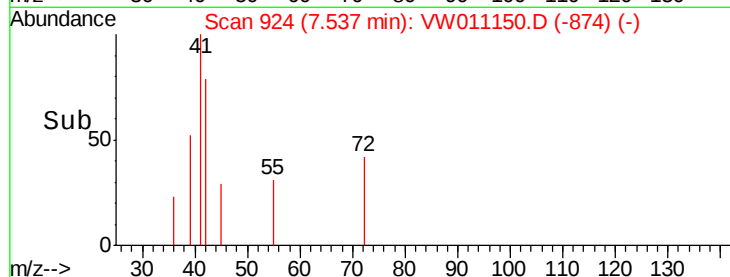
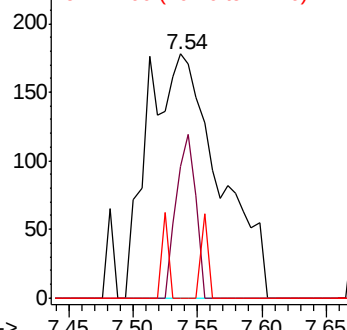
42 100

72 18.2 27.4 41.0#

71 3.4 25.6 38.4#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

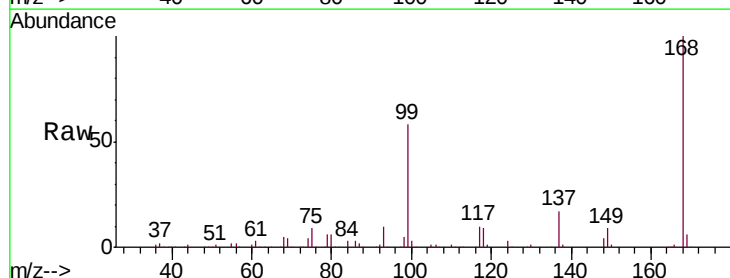
Tgt Ion: 56 Resp: 5046

Ion Ratio Lower Upper

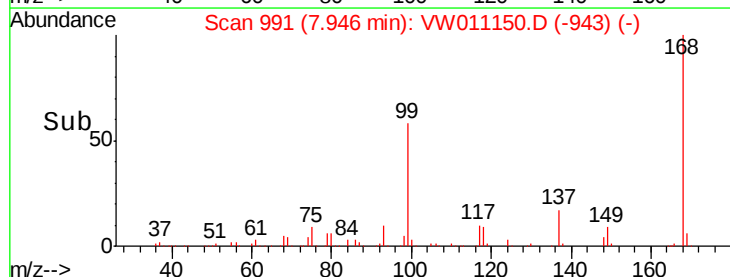
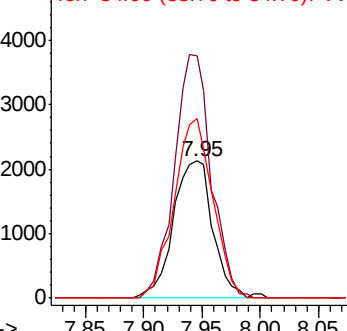
56 100

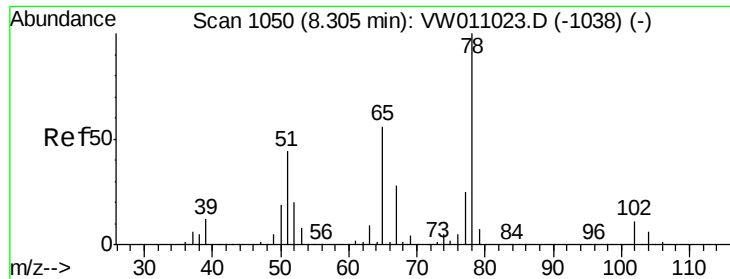
69 176.7 24.2 36.2#

84 131.0 60.6 90.8#



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

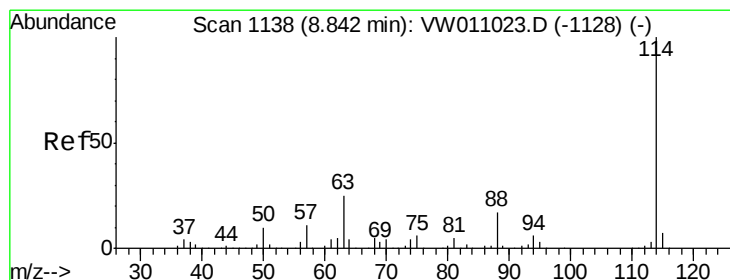
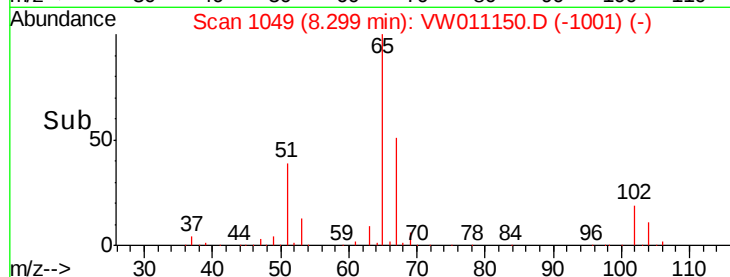
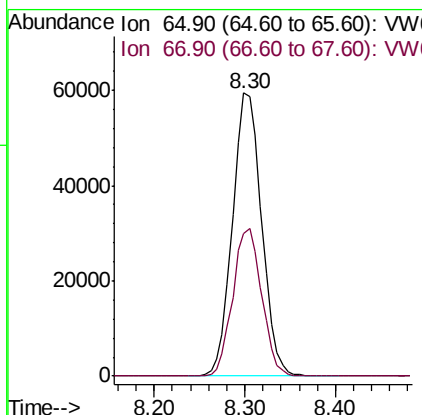
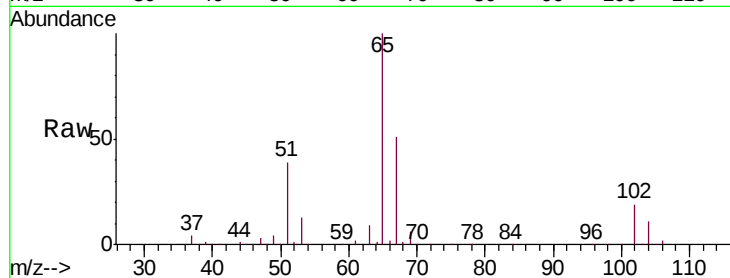




#33
 1,2-Dichloroethane-d4
 Concen: 52.901 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011150.D
 Acq: 03 Jul 2019 19:52

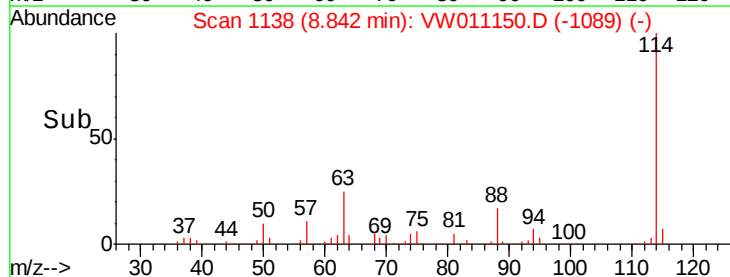
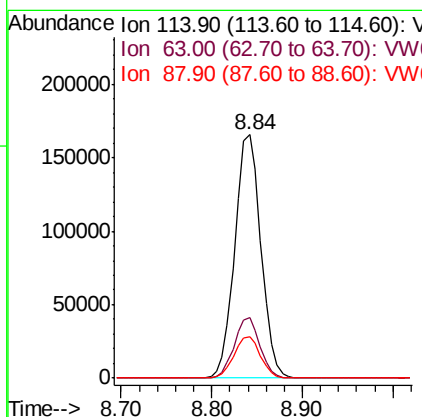
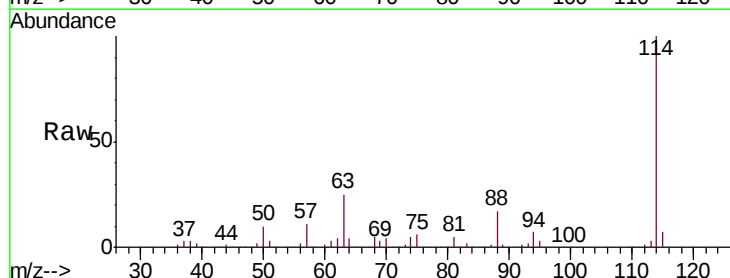
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-070319-C

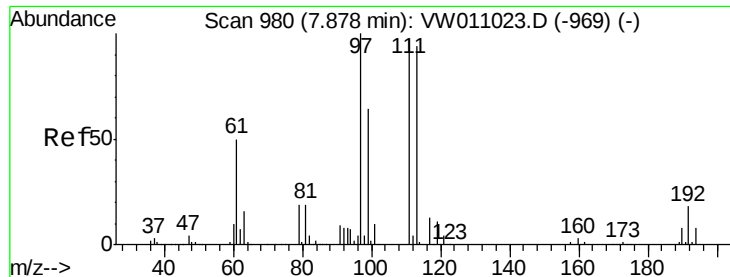
Tgt Ion: 65 Resp: 132533
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011150.D
 Acq: 03 Jul 2019 19:52

Tgt Ion: 114 Resp: 330350
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.6
 88 16.8 0.0 34.0

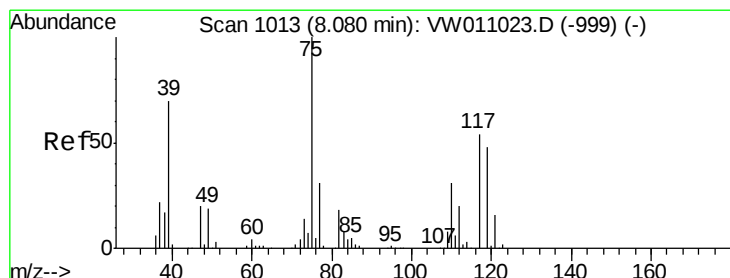
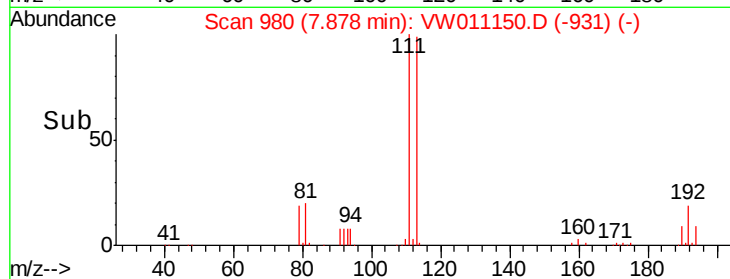
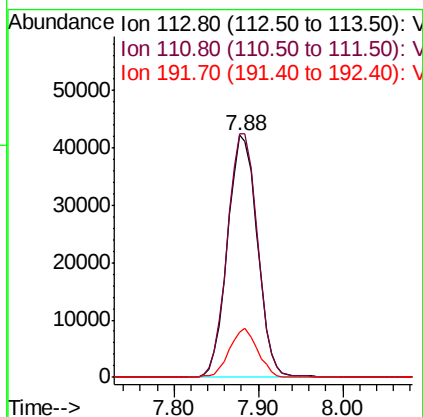
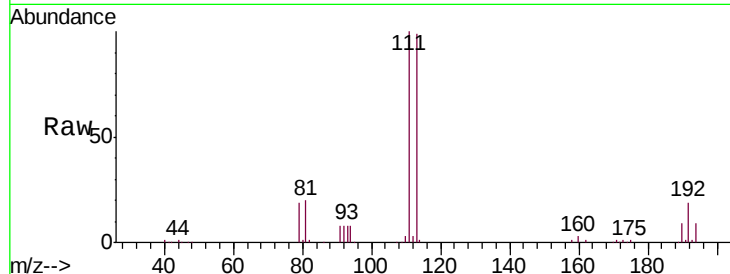




#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011150.D
 Acq: 03 Jul 2019 19:52

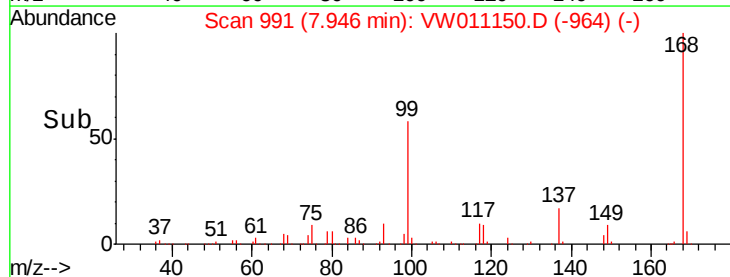
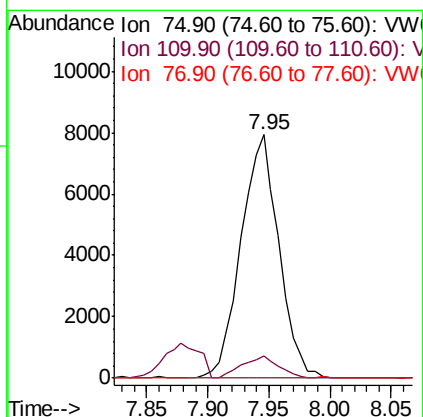
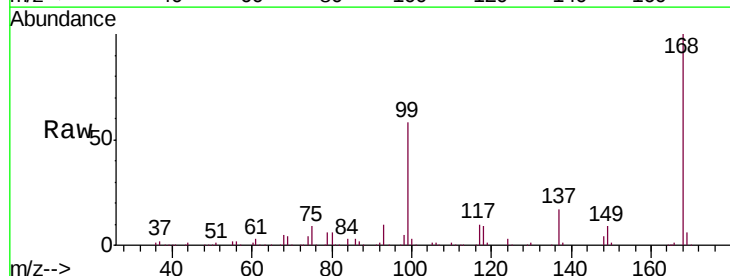
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-070319-C

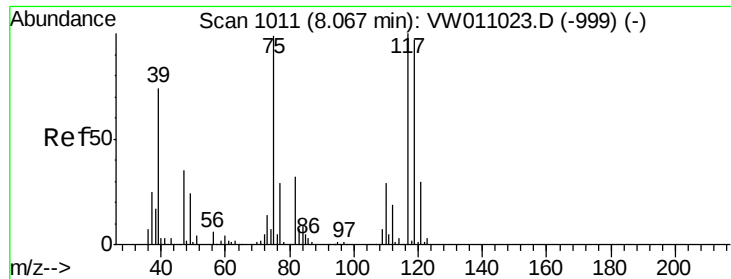
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.8	125.6
192	19.1	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011150.D
 Acq: 03 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.5	46.5#
77	0.0	24.9	37.3#

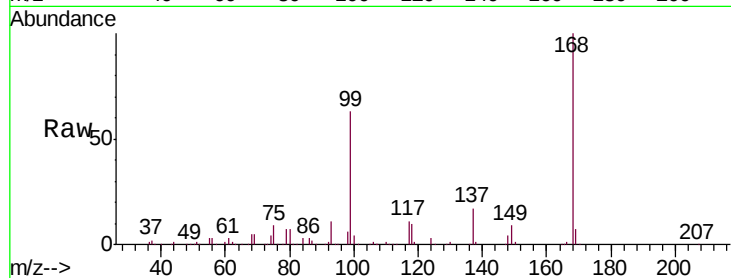




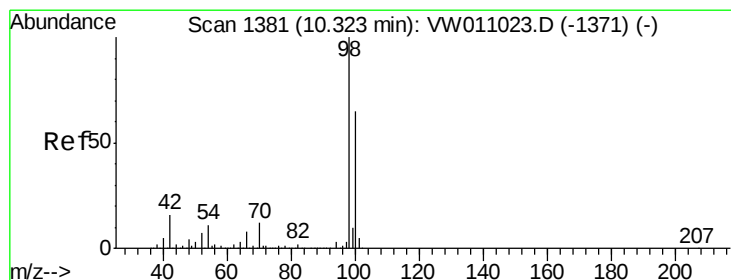
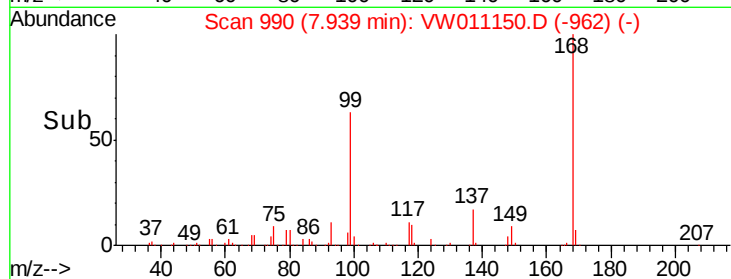
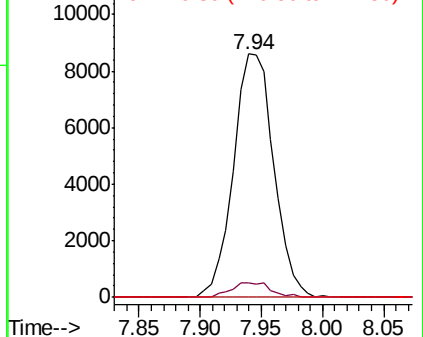
#38
Carbon Tetrachloride
Concen: 6.714 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011150.D
Acq: 03 Jul 2019 19:52

Instrument :
MSVOA_W
ClientSampleId :
PL-01-070319-C

Tgt Ion:117 Resp: 19633
Ion Ratio Lower Upper
117 100
119 5.8 77.7 116.5#
121 0.0 23.9 35.9#

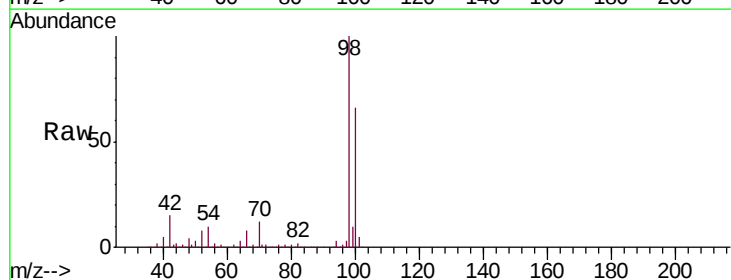


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

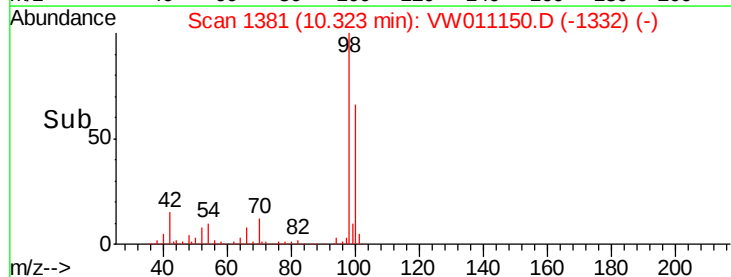
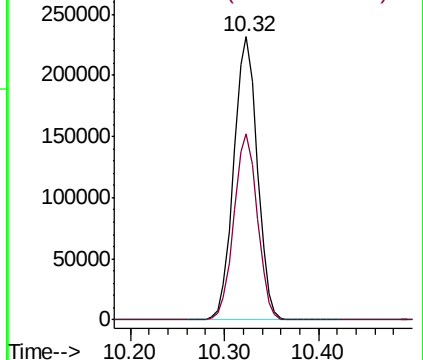


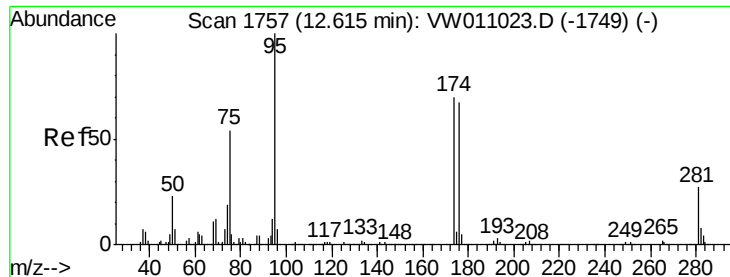
#50
Toluene-d8
Concen: 48.417 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011150.D
Acq: 03 Jul 2019 19:52

Tgt Ion: 98 Resp: 402029
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



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





#62

4-Bromofluorobenzene

Concen: 40.781 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

PL-01-070319-C

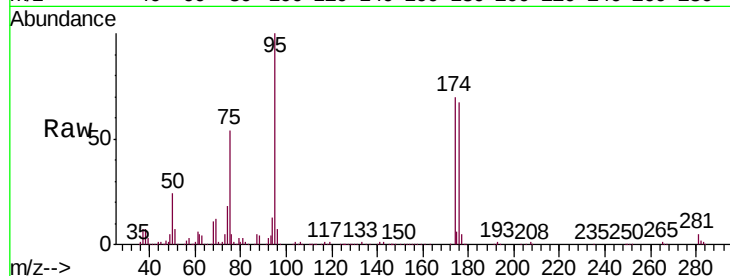
Tgt Ion: 95 Resp: 123852

Ion Ratio Lower Upper

95 100

174 74.4 0.0 149.2

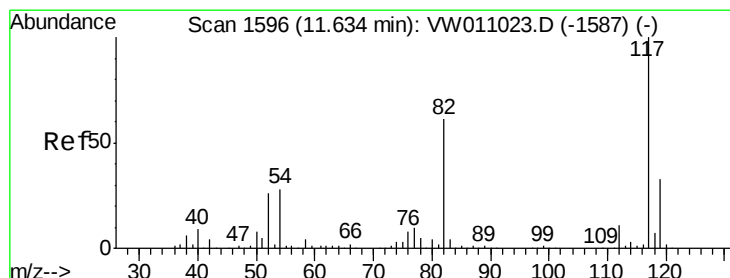
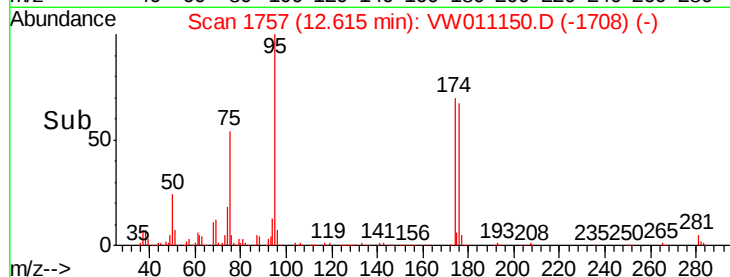
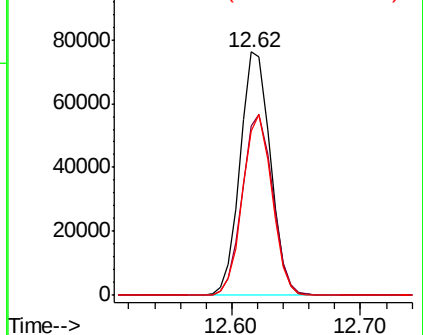
176 72.0 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

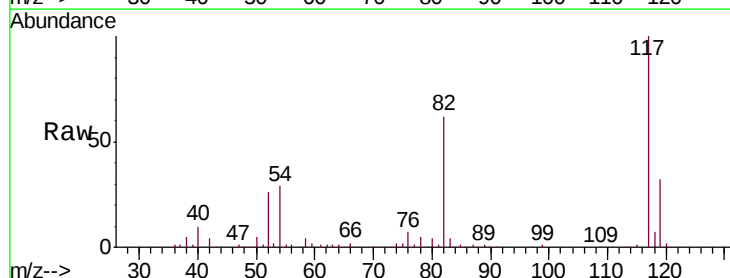
Tgt Ion: 117 Resp: 269863

Ion Ratio Lower Upper

117 100

82 61.5 48.6 73.0

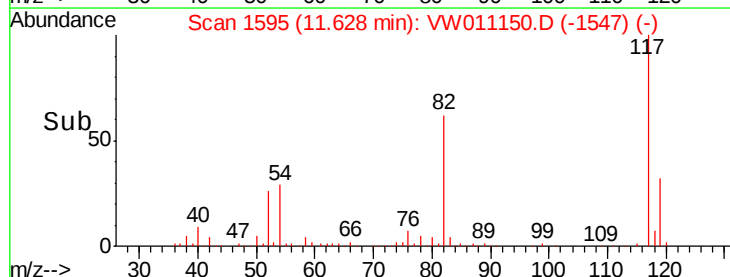
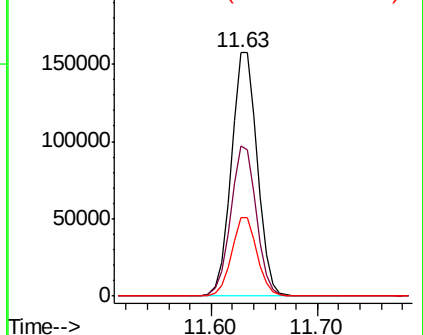
119 32.0 26.1 39.1

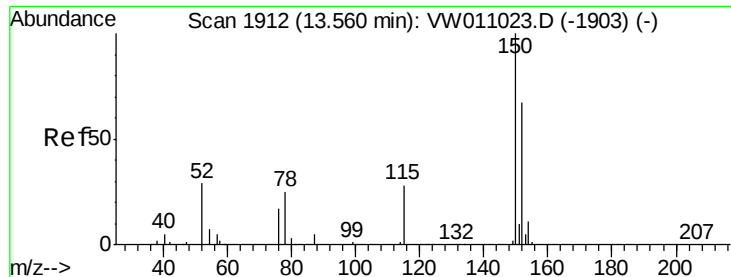


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

PL-01-070319-C

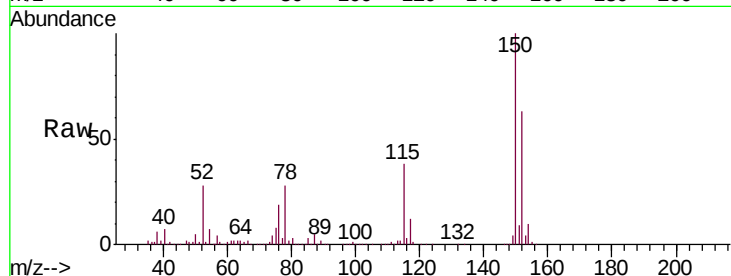
Tgt Ion:152 Resp: 102142

Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

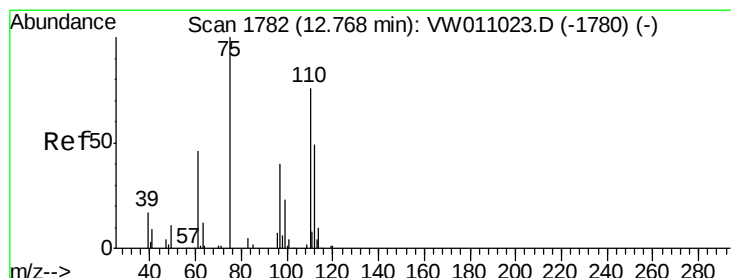
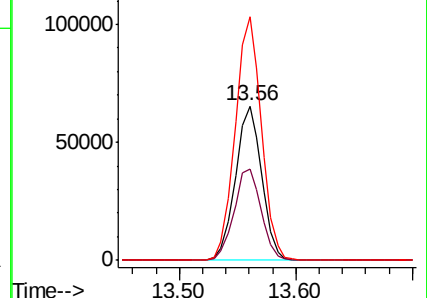
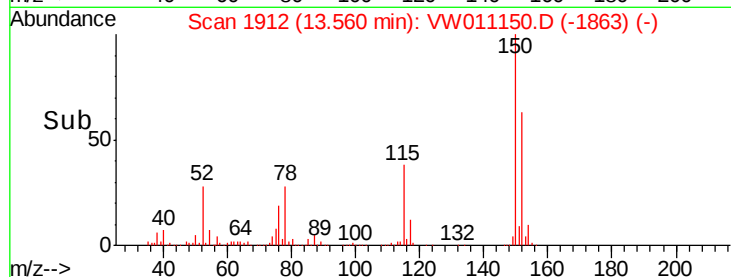
150 157.9 0.0 341.8



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: 62.140 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011150.D

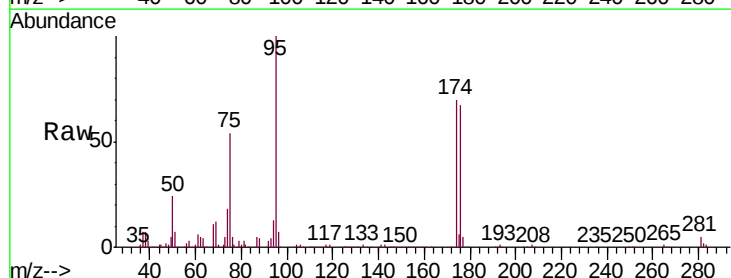
Acq: 03 Jul 2019 19:52

Tgt Ion: 75 Resp: 67009

Ion Ratio Lower Upper

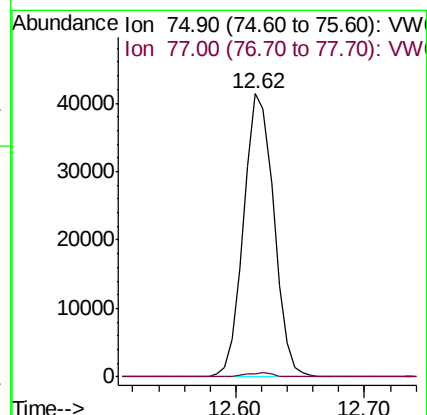
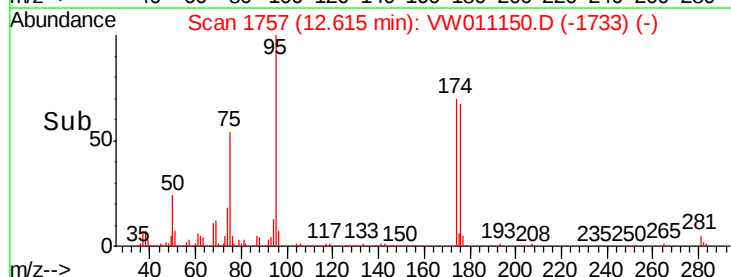
75 100

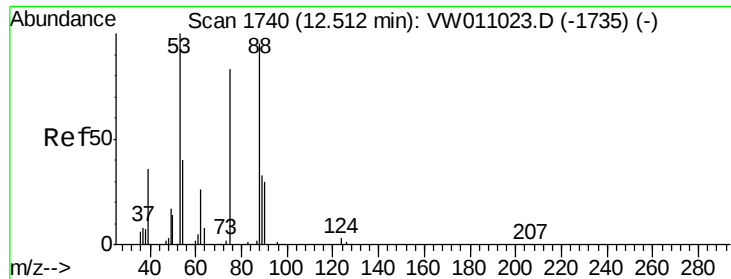
77 1.4 0.0 0.0#



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: 125.472 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011150.D

Acq: 03 Jul 2019 19:52

Instrument :

MSVOA_W

ClientSampleId :

PL-01-070319-C

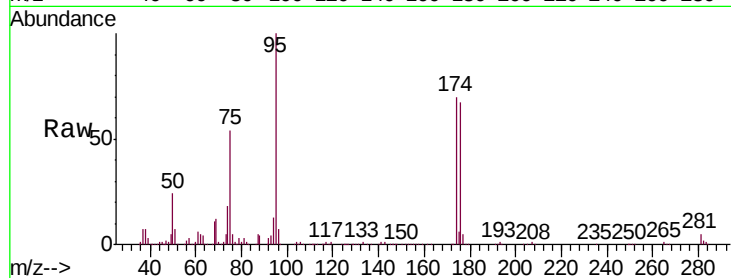
Tgt Ion: 75 Resp: 67009

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 34.4 51.6#



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

