

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011041.D
 Acq On : 28 Jun 2019 03:12
 Operator : SY/VA
 Sample : K3517-15
 Misc : 7.63G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-062619-C

Quant Time: Jun 28 08:35:30 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	171049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	284888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	123817	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
35) Dibromofluoromethane	7.88	113	88299	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.32	98	353203	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.62	95	119559	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

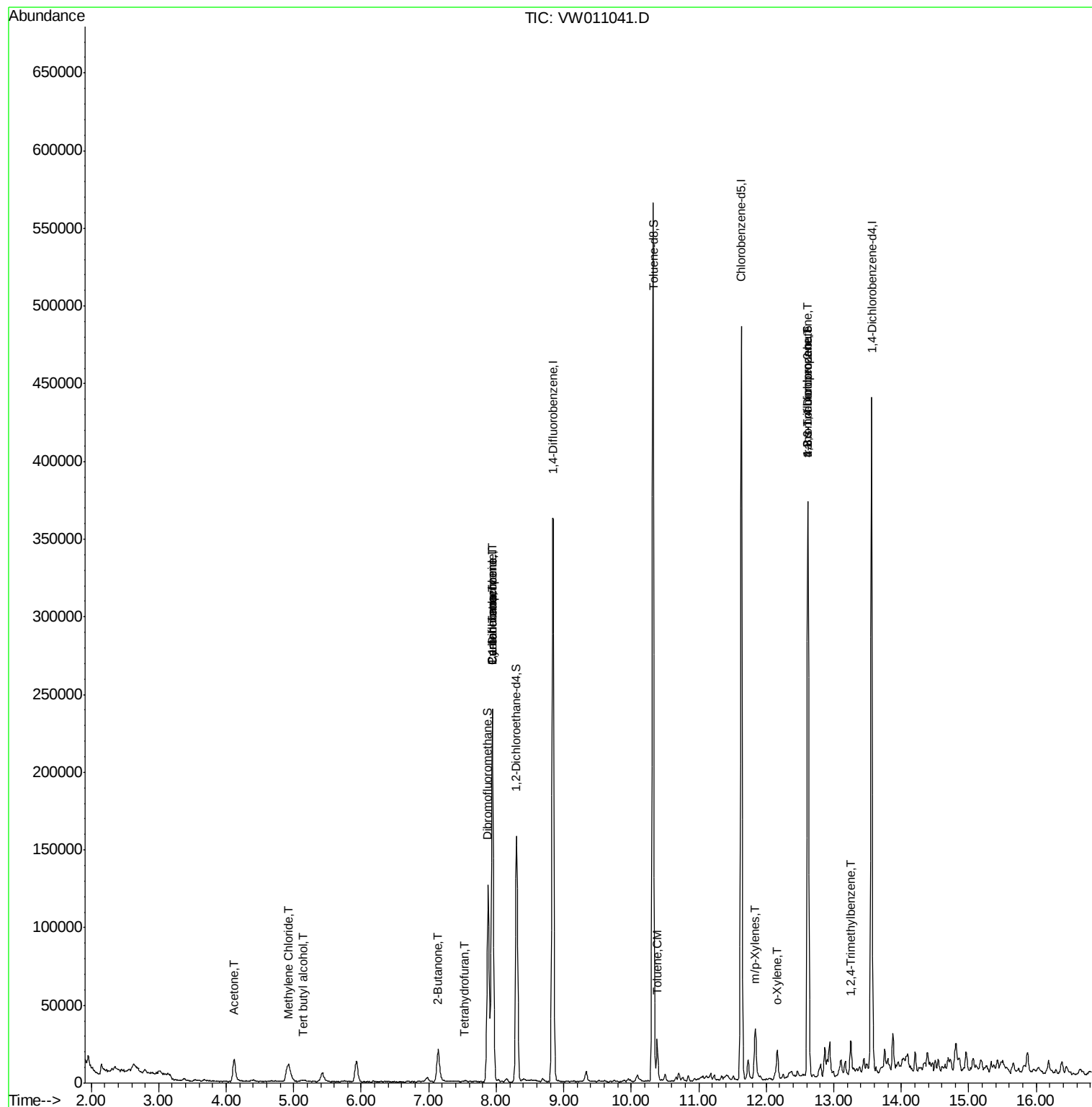
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	273	1.681	ug/l #	71
16) Acetone	4.12	43	27130	49.706	ug/l	92
20) Methylene Chloride	4.91	84	8708	3.927	ug/l	93
25) 2-Butanone	7.15	43	919	1.108	ug/l #	54
29) Tetrahydrofuran	7.54	42	590	1.142	ug/l #	63
31) Cyclohexane	7.95	56	5499	1.286	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	15404	5.031	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17697	7.018	ug/l #	15
52) Toluene	10.38	92	10201	1.978	ug/l	96
68) m/p-Xylenes	11.84	106	8208	2.371	ug/l	96
69) o-Xylene	12.16	106	4489	1.392	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	65960	59.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65960	119.830	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.25	105	11929	1.763	ug/l	94

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

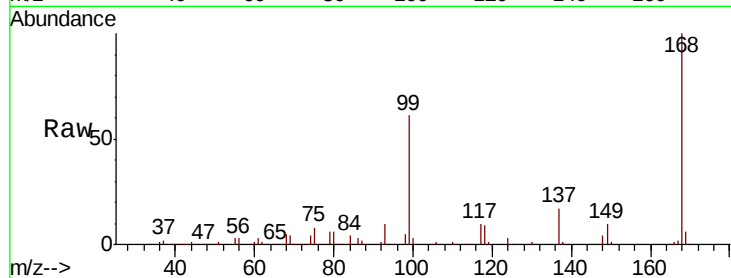
CL-02-062619-C

Tot Ion:168 Resp: 171049

Ion Ratio Lower Upper

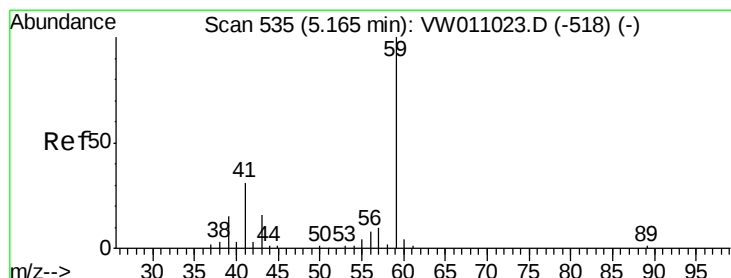
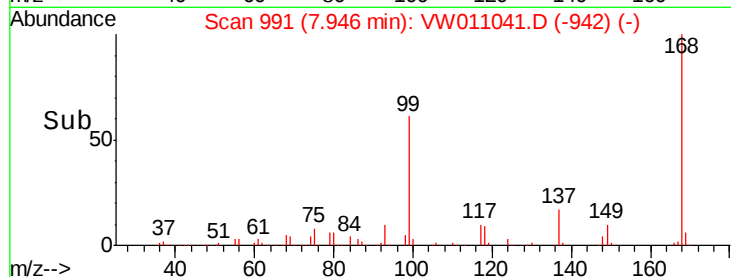
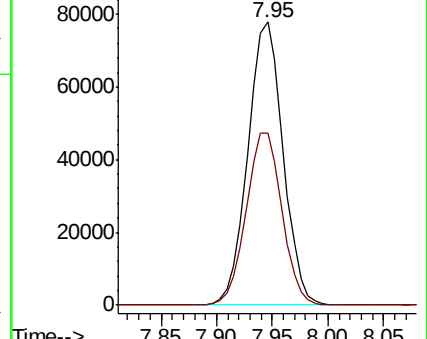
168 100

99 60.8 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: 1.681 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW011041.D

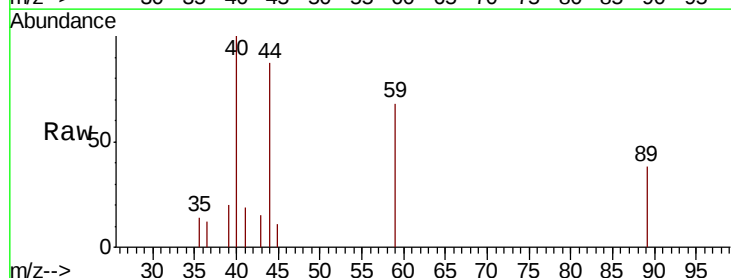
Acq: 28 Jun 2019 03:12

Tgt Ion: 59 Resp: 273

Ion Ratio Lower Upper

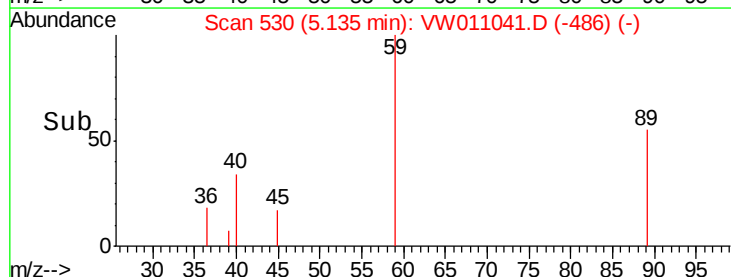
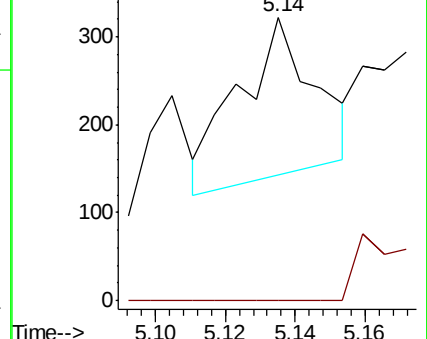
59 100

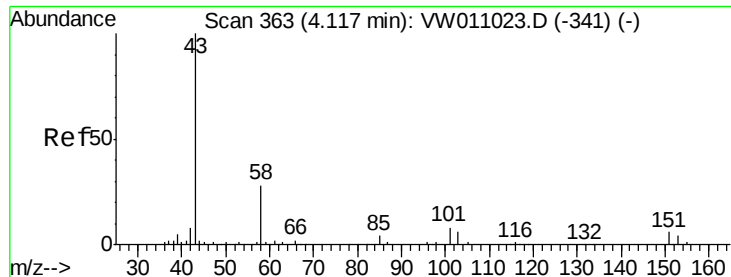
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

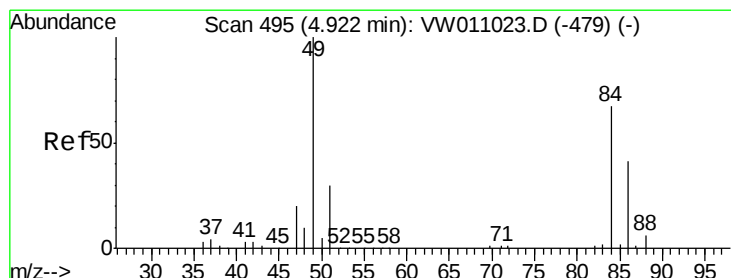
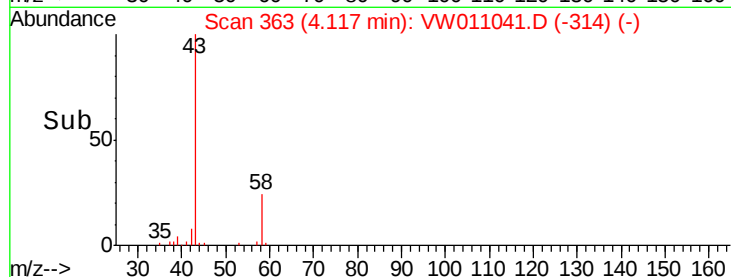
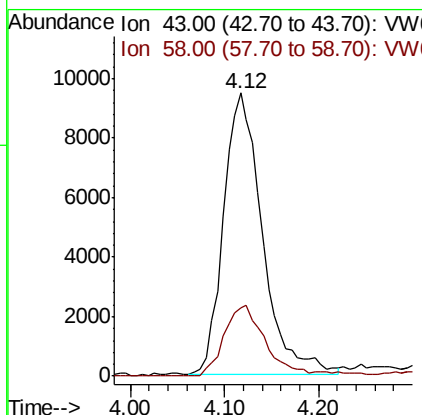
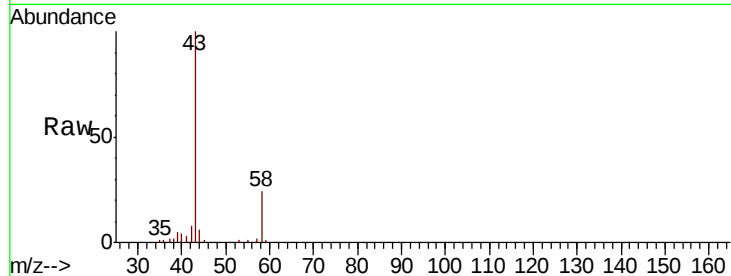




#16
Acetone
Concen: 49.706 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011041.D
Acq: 28 Jun 2019 03:12

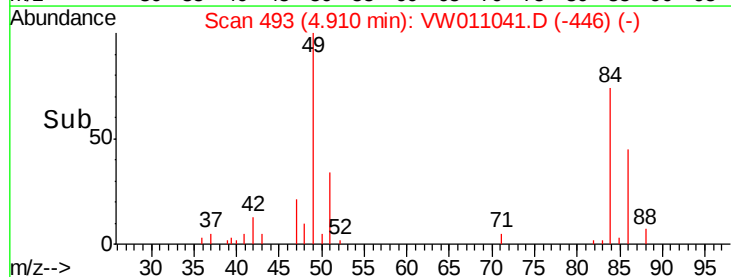
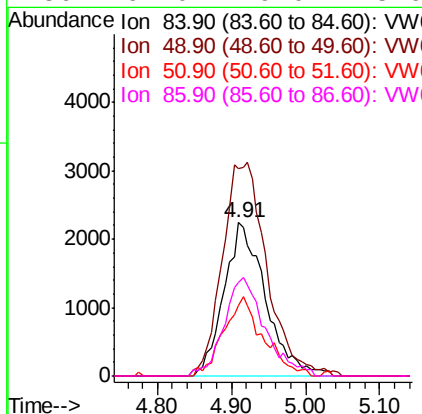
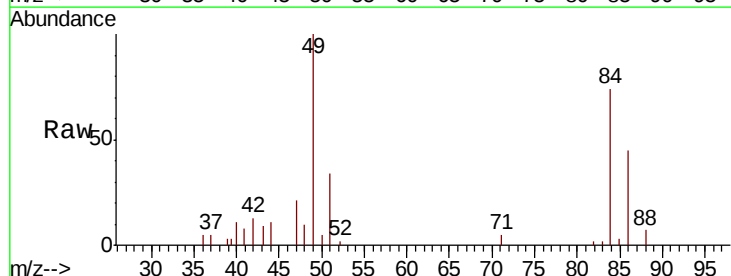
Instrument :
MSVOA_W
ClientSampleId :
CL-02-062619-C

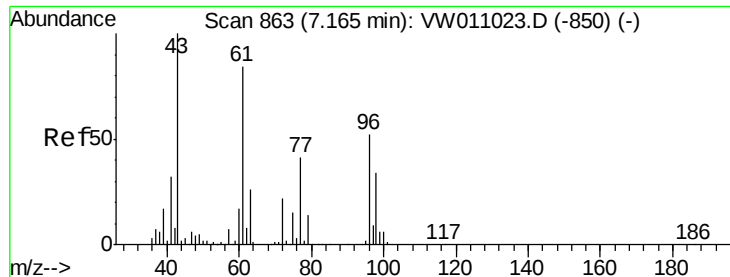
Tot Ion: 43 Resp: 27130
Ion Ratio Lower Upper
43 100
58 24.1 22.5 33.7



#20
Methylene Chloride
Concen: 3.927 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011041.D
Acq: 28 Jun 2019 03:12

Tgt Ion: 84 Resp: 8708
Ion Ratio Lower Upper
84 100
49 135.7 119.6 179.4
51 46.2 35.6 53.4
86 61.0 49.0 73.6





#25

2-Butanone

Concen: 1.108 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

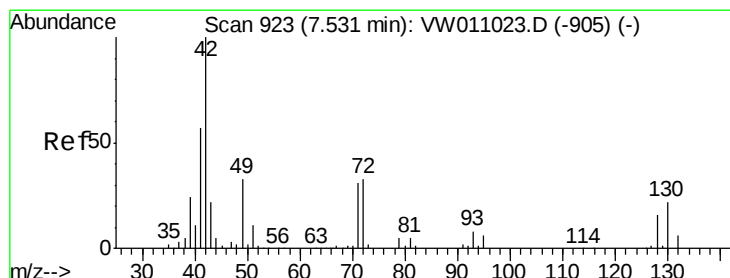
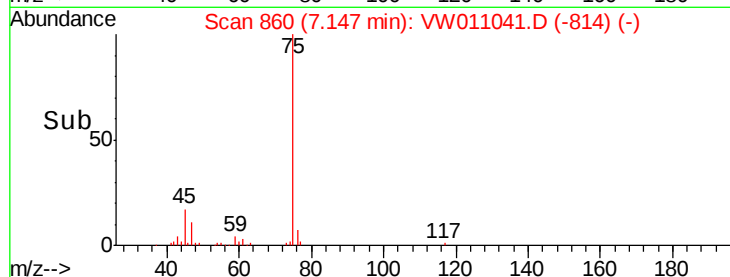
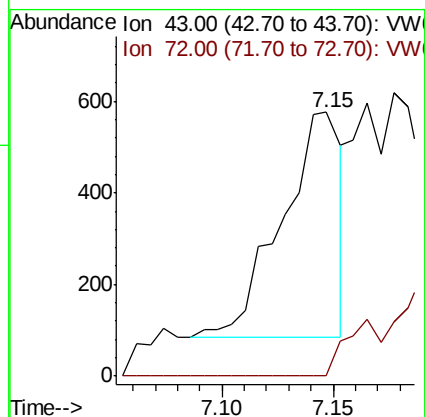
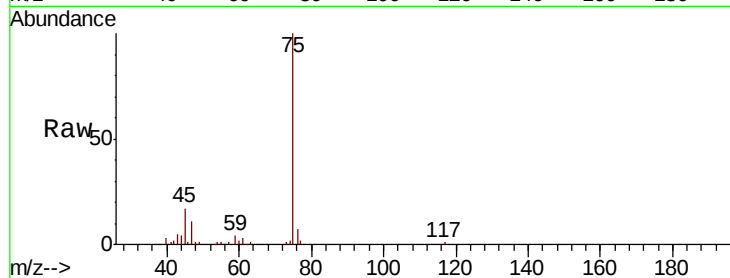
CL-02-062619-C

Tot Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

72 0.0 17.2 25.8#



#29

Tetrahydrofuran

Concen: 1.142 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

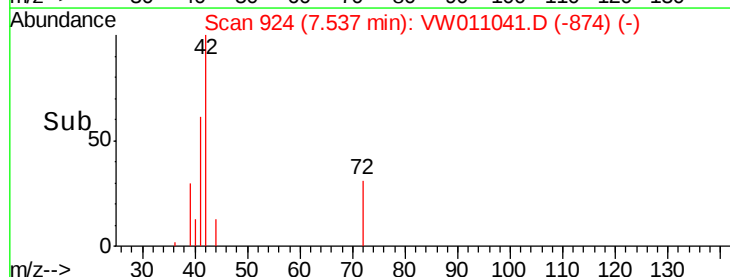
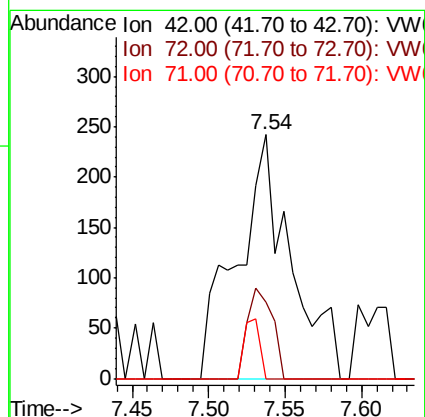
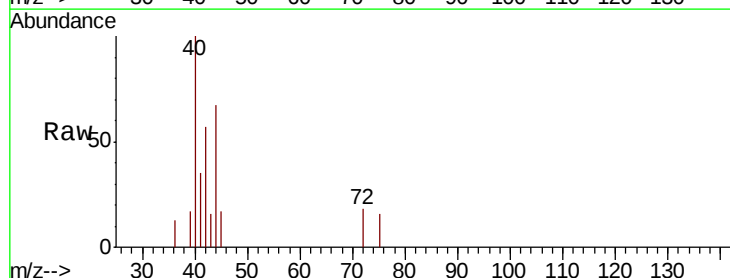
Tgt Ion: 42 Resp: 590

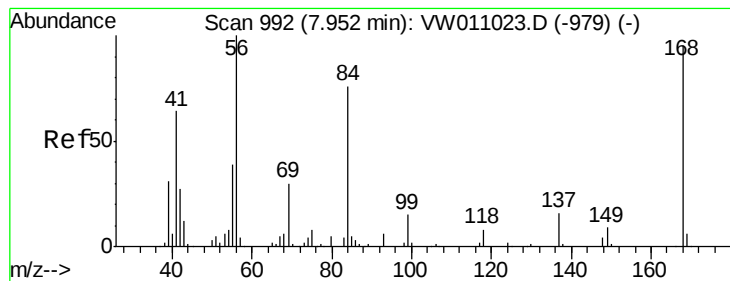
Ion Ratio Lower Upper

42 100

72 17.3 27.4 41.0#

71 7.1 25.6 38.4#





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

CL-02-062619-C

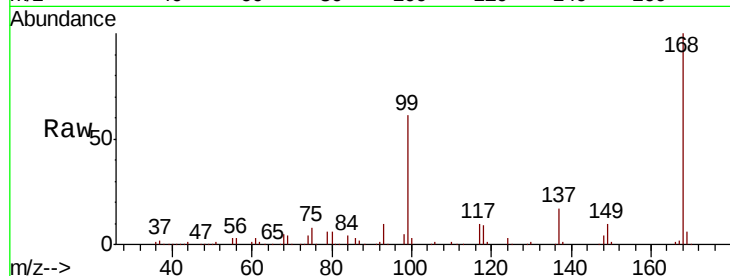
Tot Ion: 56 Resp: 5499

Ion Ratio Lower Upper

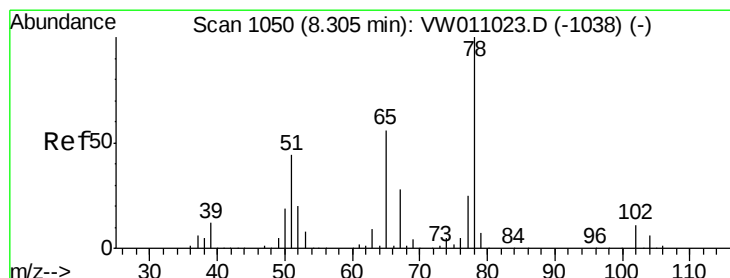
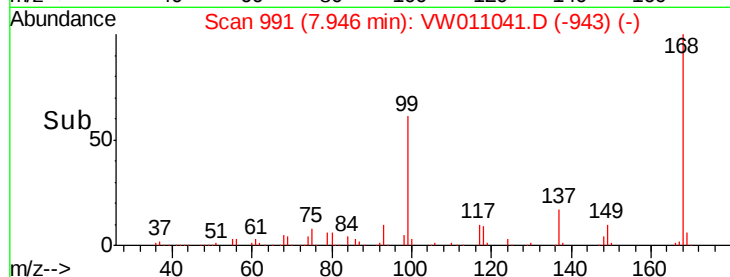
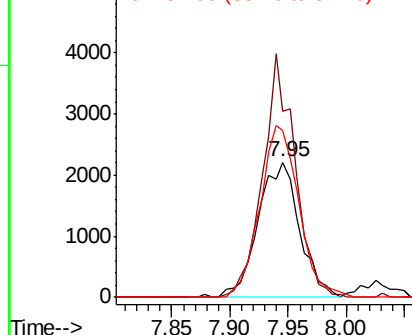
56 100

69 137.8 24.2 36.2#

84 124.1 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: 55.373 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011041.D

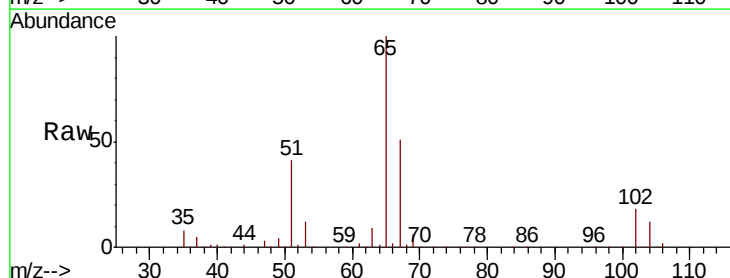
Acq: 28 Jun 2019 03:12

Tgt Ion: 65 Resp: 123817

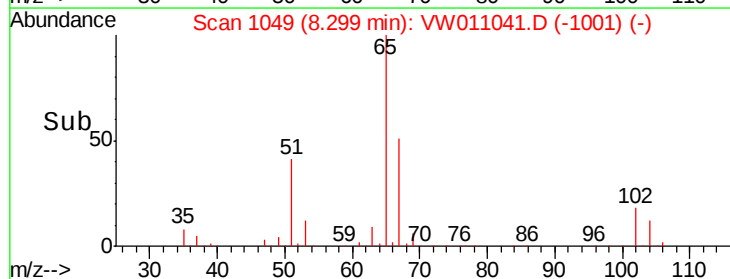
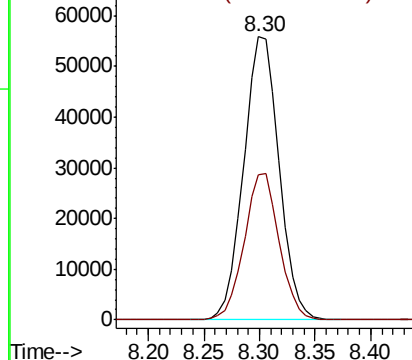
Ion Ratio Lower Upper

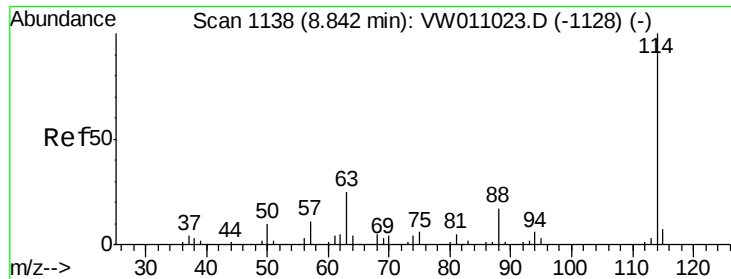
65 100

67 51.0 0.0 102.4



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

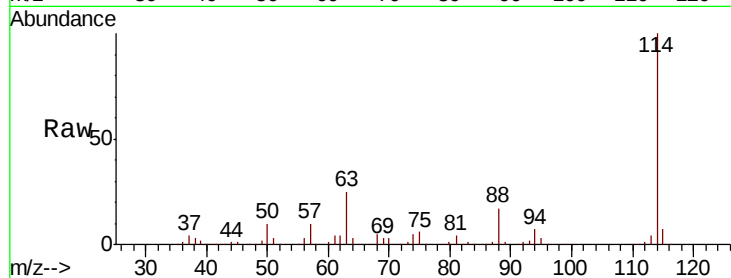




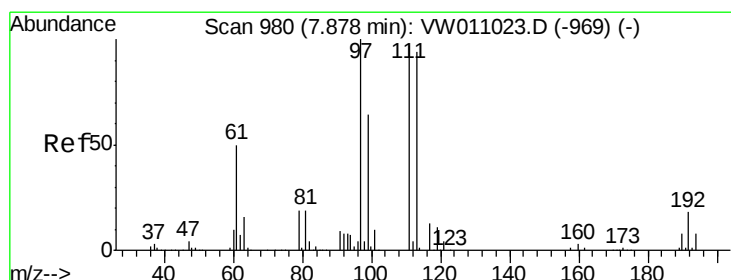
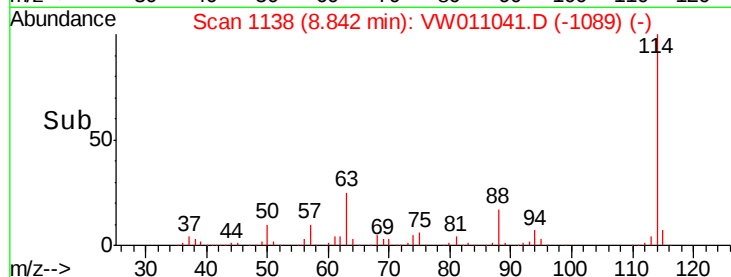
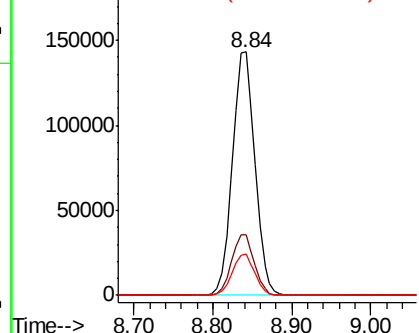
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011041.D
 Acq: 28 Jun 2019 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-062619-C

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	50.6
88	16.8	0.0	34.0

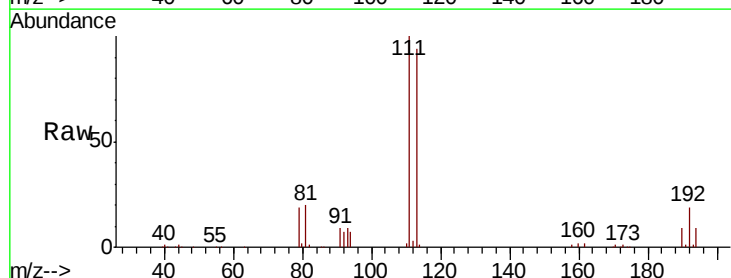


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

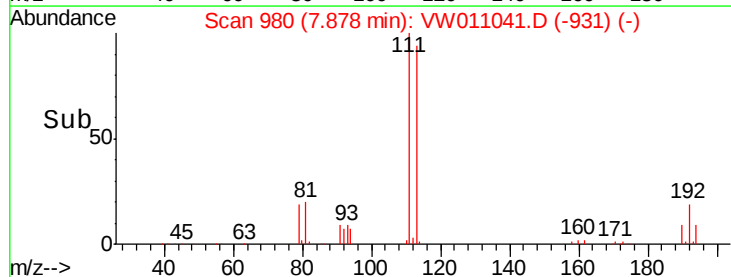
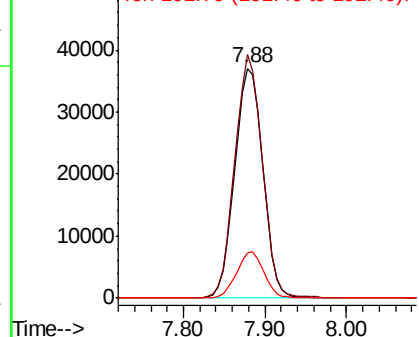


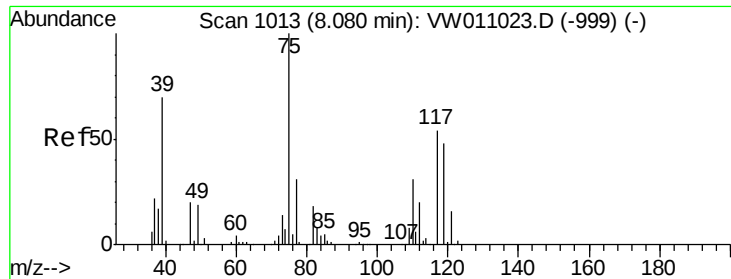
#35
 Dibromofluoromethane
 Concen: 50.757 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011041.D
 Acq: 28 Jun 2019 03:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	19.6	16.0	24.0



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

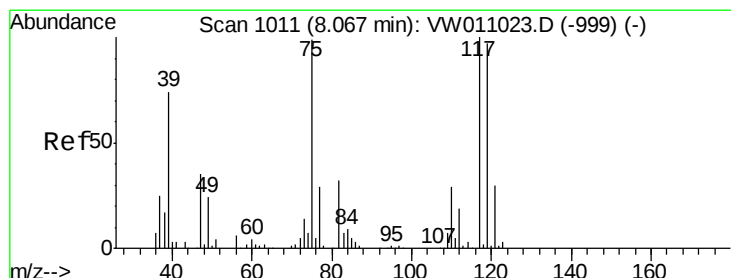
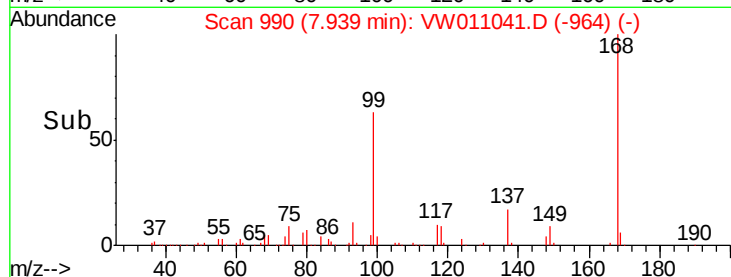
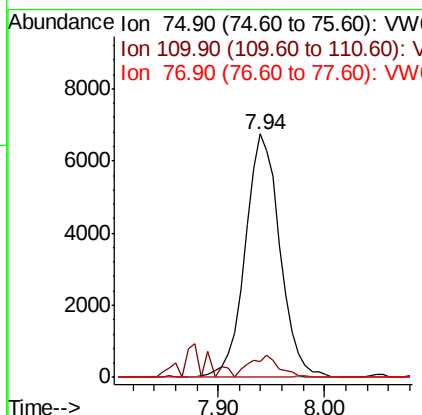
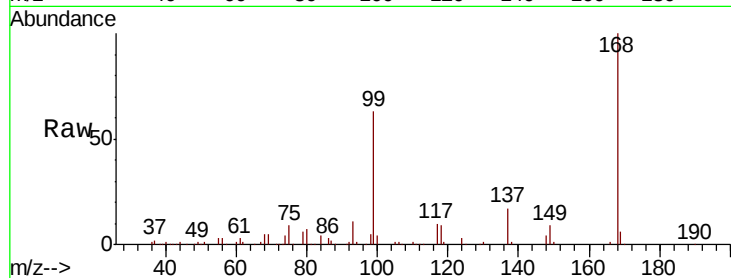




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011041.D
 Acq: 28 Jun 2019 03:12

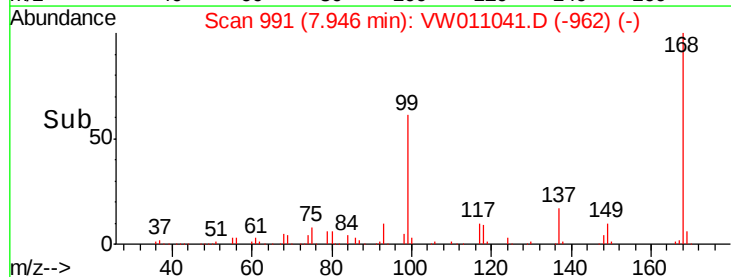
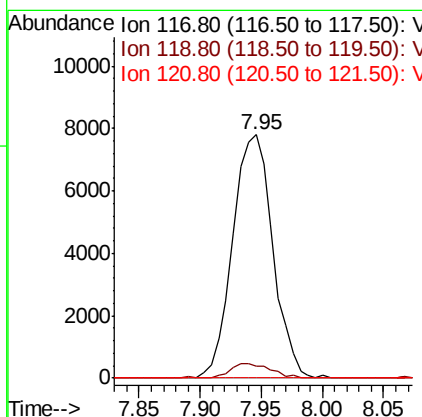
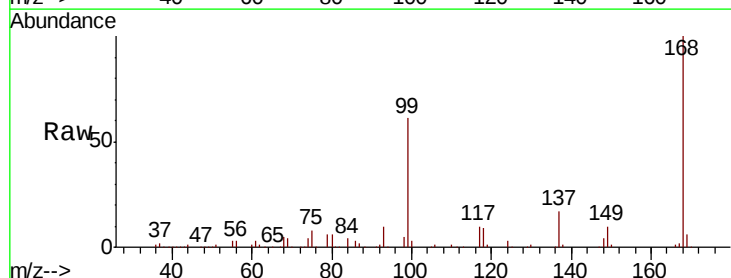
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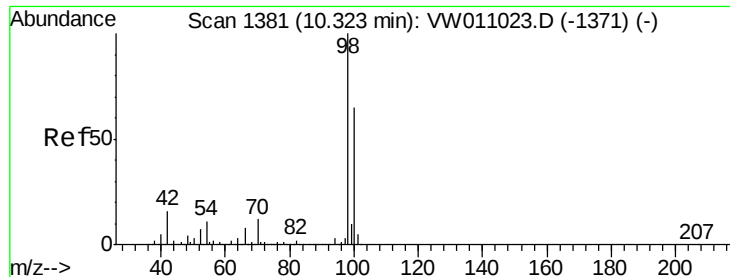
Tot Ion: 75 Resp: 15404
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.5 46.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 7.018 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011041.D
 Acq: 28 Jun 2019 03:12

Tgt Ion: 117 Resp: 17697
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.7 116.5#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.324 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

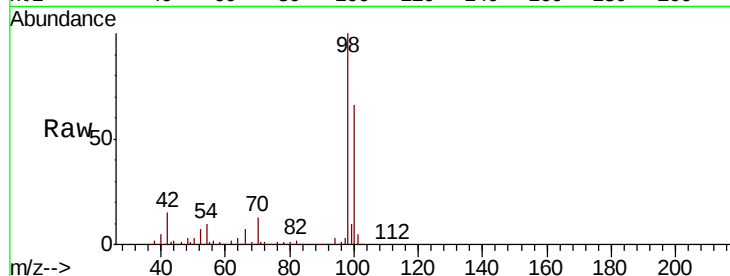
CL-02-062619-C

Tot Ion: 98 Resp: 353203

Ion Ratio Lower Upper

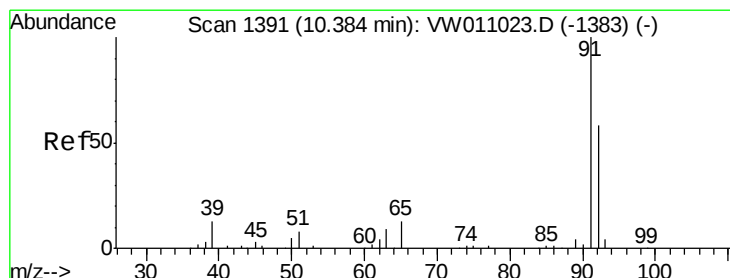
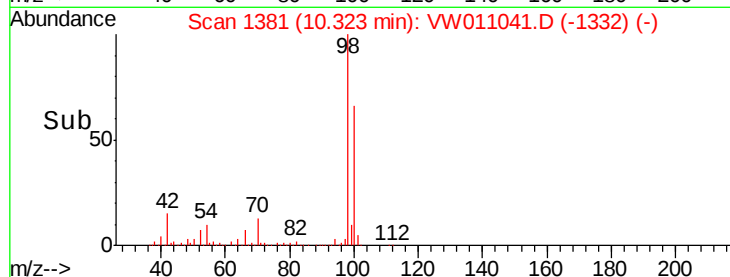
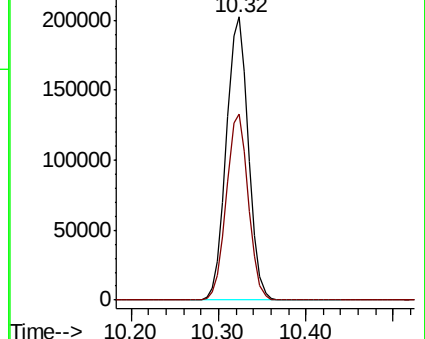
98 100

100 65.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.978 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011041.D

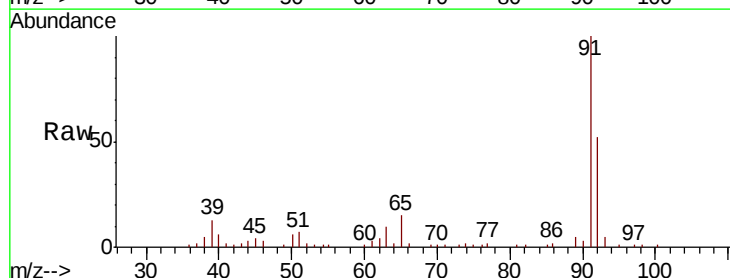
Acq: 28 Jun 2019 03:12

Tgt Ion: 92 Resp: 10201

Ion Ratio Lower Upper

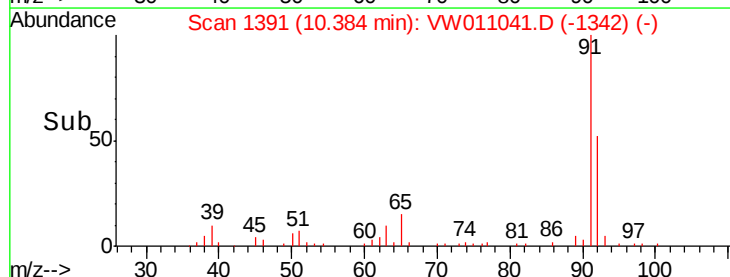
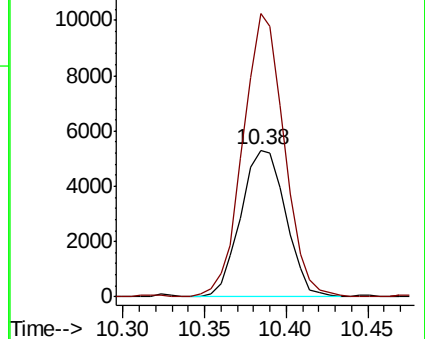
92 100

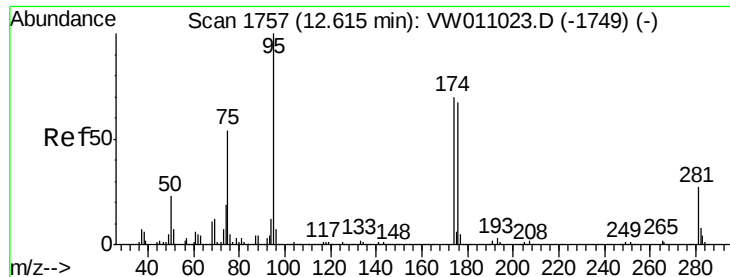
91 176.7 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

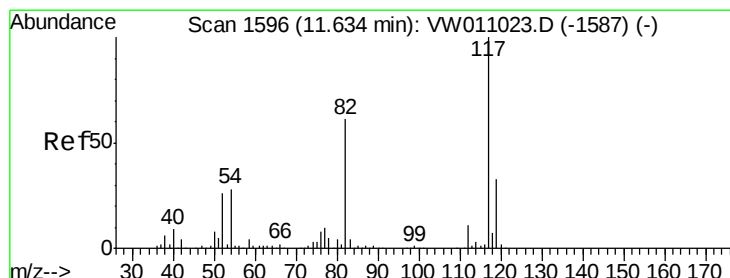
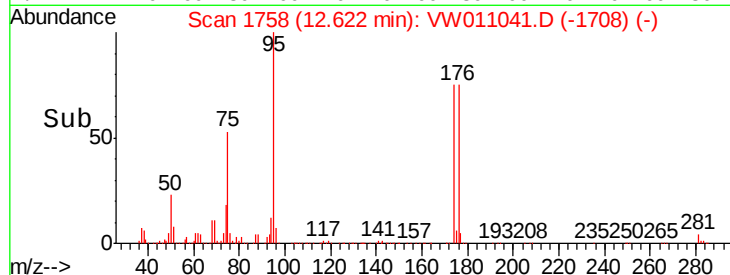
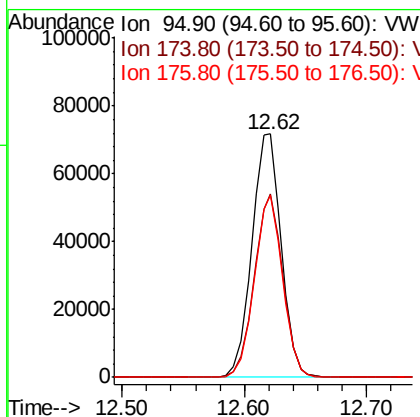
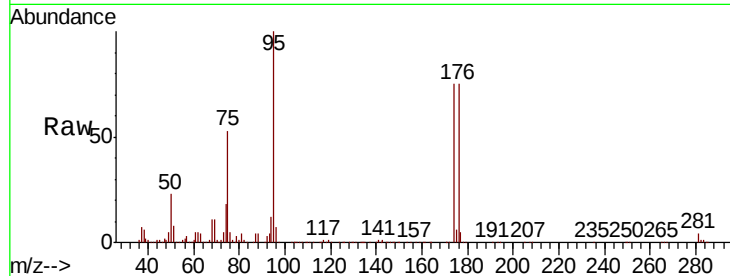




#62
4-Bromofluorobenzene
Concen: 45.649 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011041.D
Acq: 28 Jun 2019 03:12

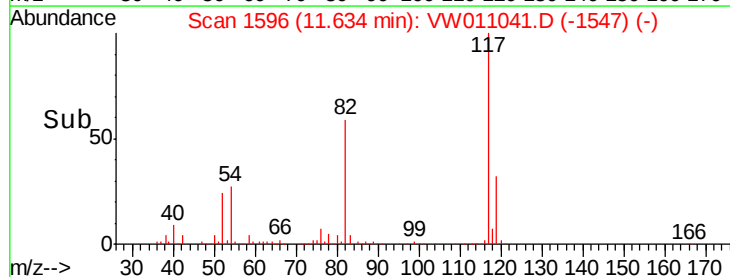
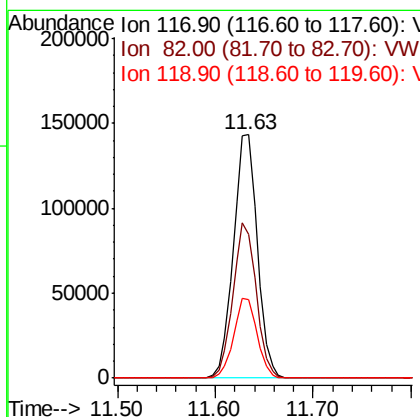
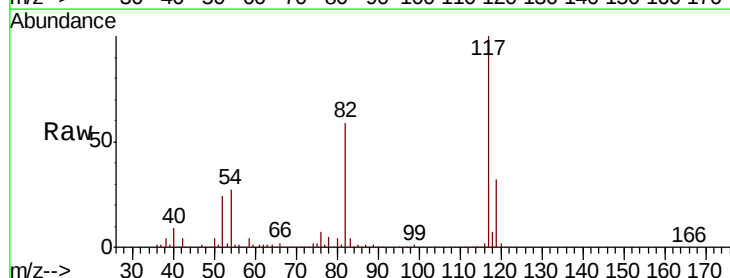
Instrument :
MSVOA_W
ClientSampleId :
CL-02-062619-C

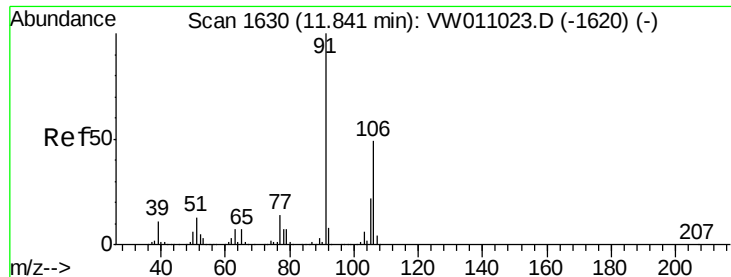
Tot Ion	95	Resp	119559
Ion Ratio	100		
Lower			
Upper			
174	73.7	0.0	149.2
176	72.0	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011041.D
Acq: 28 Jun 2019 03:12

Tgt Ion	117	Resp	243290
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	59.2	48.6	73.0
119	32.2	26.1	39.1





#68

m/p-Xylenes

Concen: 2.371 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampled :

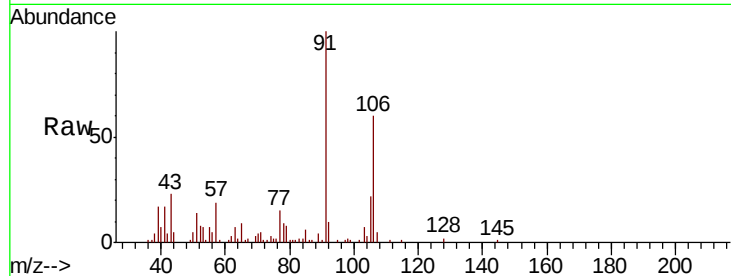
CL-02-062619-C

Tot Ion:106 Resp: 8208

Ion Ratio Lower Upper

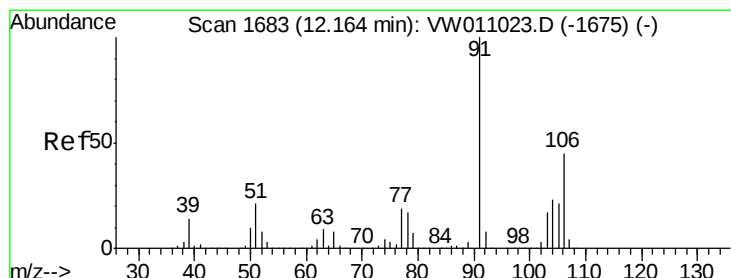
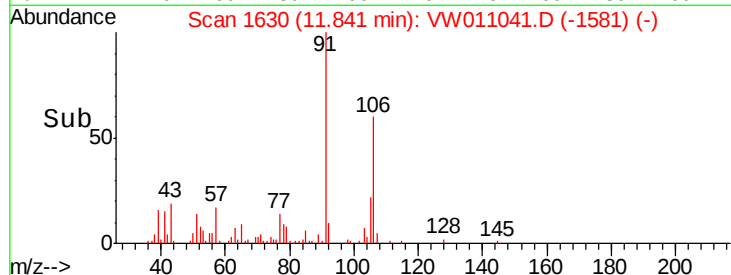
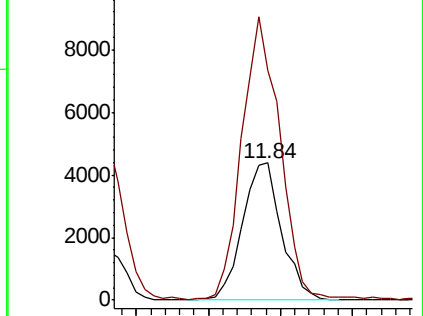
106 100

91 203.7 167.5 251.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 1.392 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011041.D

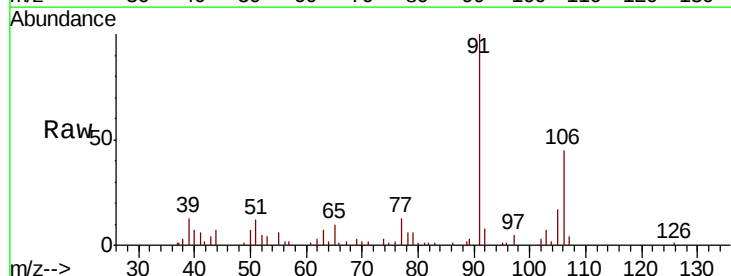
Acq: 28 Jun 2019 03:12

Tgt Ion:106 Resp: 4489

Ion Ratio Lower Upper

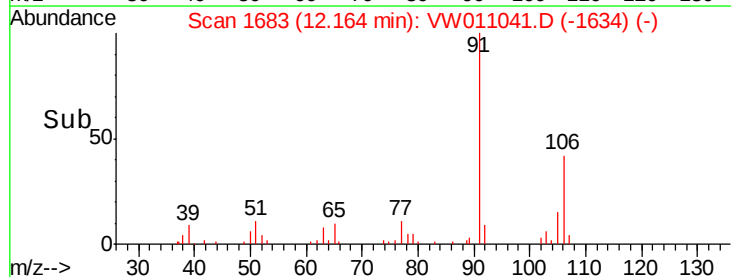
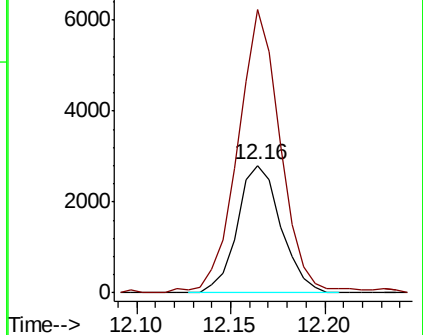
106 100

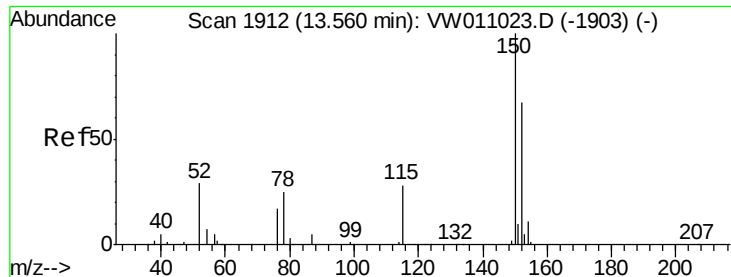
91 218.9 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

CL-02-062619-C

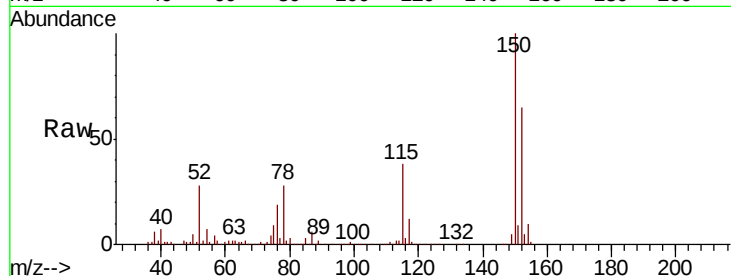
Tot Ion:152 Resp: 105444

Ion Ratio Lower Upper

152 100

115 60.5 30.7 92.1

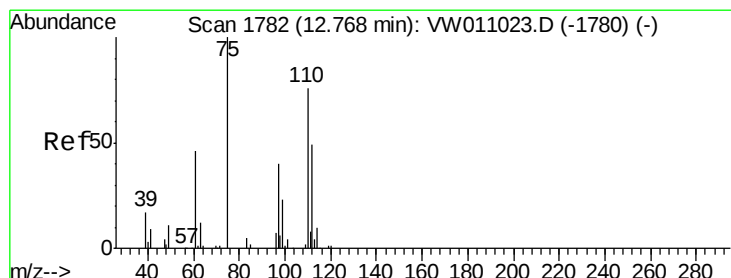
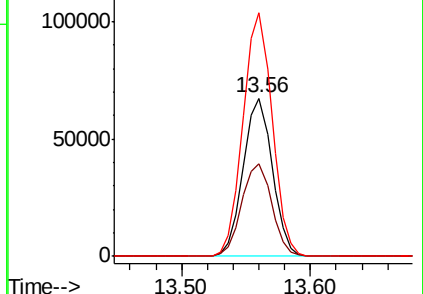
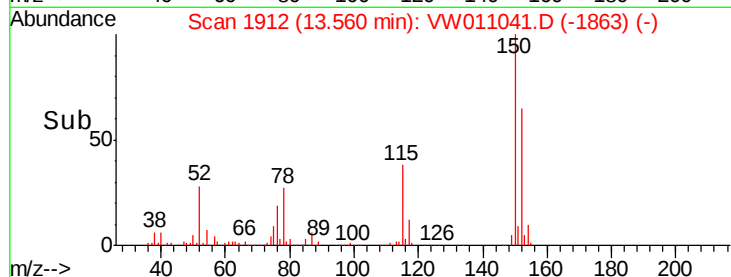
150 153.9 0.0 341.8



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: 59.252 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011041.D

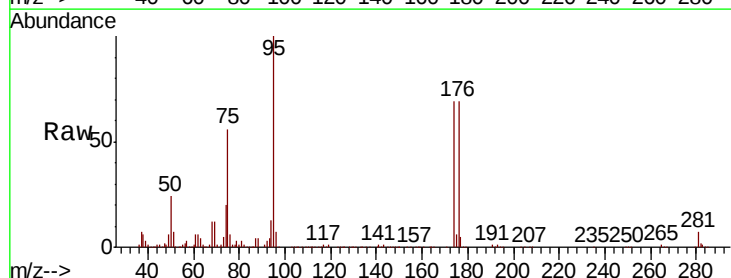
Acq: 28 Jun 2019 03:12

Tgt Ion: 75 Resp: 65960

Ion Ratio Lower Upper

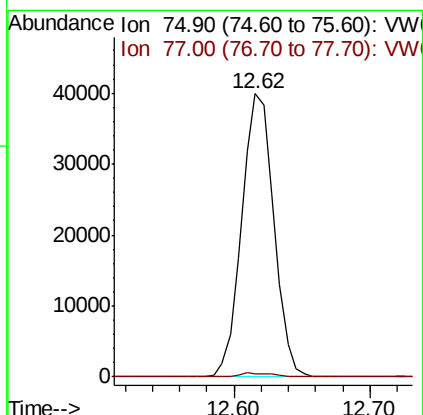
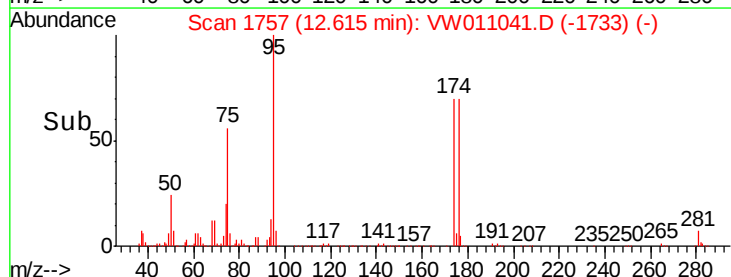
75 100

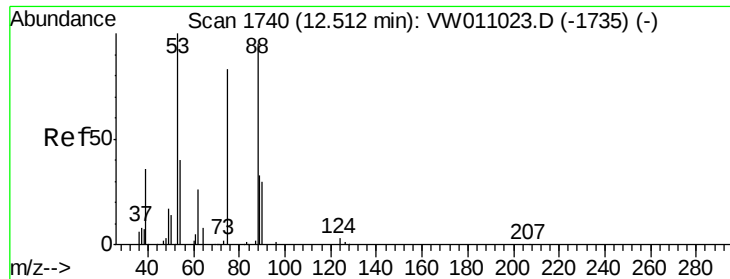
77 1.5 0.0 0.0#



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: 119.830 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011041.D

Acq: 28 Jun 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

CL-02-062619-C

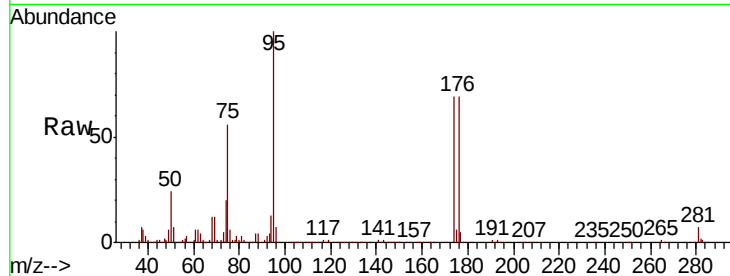
Tot Ion: 75 Resp: 65960

Ion Ratio Lower Upper

75 100

53 0.3 95.6 143.4#

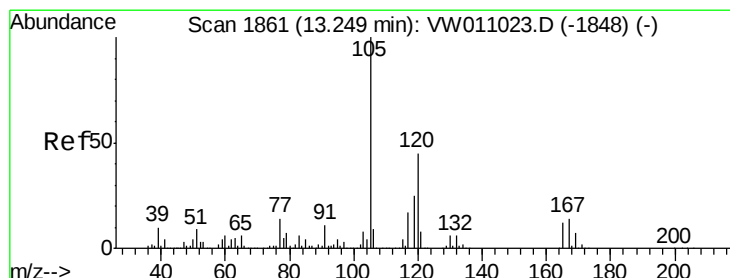
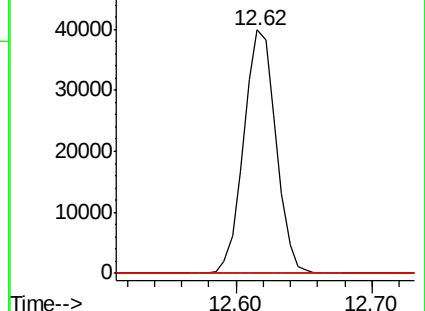
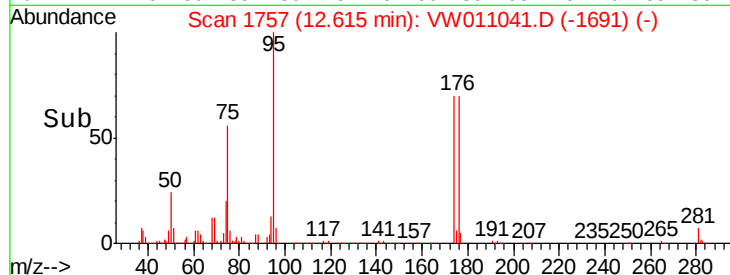
89 0.0 34.4 51.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.763 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011041.D

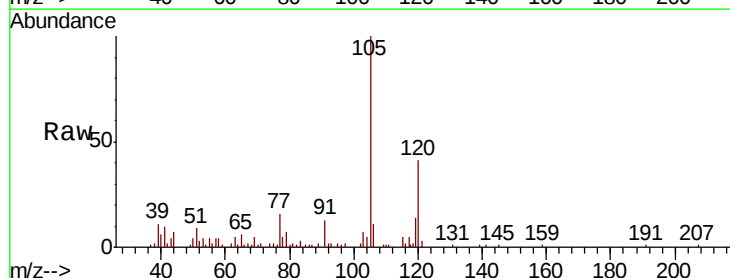
Acq: 28 Jun 2019 03:12

Tgt Ion:105 Resp: 11929

Ion Ratio Lower Upper

105 100

120 40.9 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

