

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\
 Data File : VW015721.D
 Acq On : 25 Jun 2020 11:53
 Operator : SY/VA
 Sample : L2810-09
 Misc : 7.53G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-062420

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 11:21:21 AM

Quant Time: Jun 26 02:23:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	133577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	229936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	205979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88864	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	82775	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.88	113	72526	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.33	98	282868	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	92990	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	4283	21.629	ug/l	96
16) Acetone	4.13	43	6088	21.548	ug/l	99
20) Methylene Chloride	4.92	84	13732	5.964	ug/l	91
40) Benzene	8.32	78	9371	1.441	ug/l	100
52) Toluene	10.39	92	10933	2.604	ug/l	99
67) Ethyl Benzene	11.73	91	14167	1.753	ug/l	99
68) m/p-Xylenes	11.83	106	30308	9.986	ug/l	97
69) o-Xylene	12.17	106	23618	8.464	ug/l	98
70) Styrene	12.18	104	26355	5.528	ug/l	94
80) 1,3,5-Trimethylbenzene	12.94	105	51972	9.048	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	147957	25.829	ug/l	100
89) n-Butylbenzene	13.79	91	7532m	1.245	ug/l	
95) Naphthalene	15.37	128	3604689	1272.067	ug/l	99

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

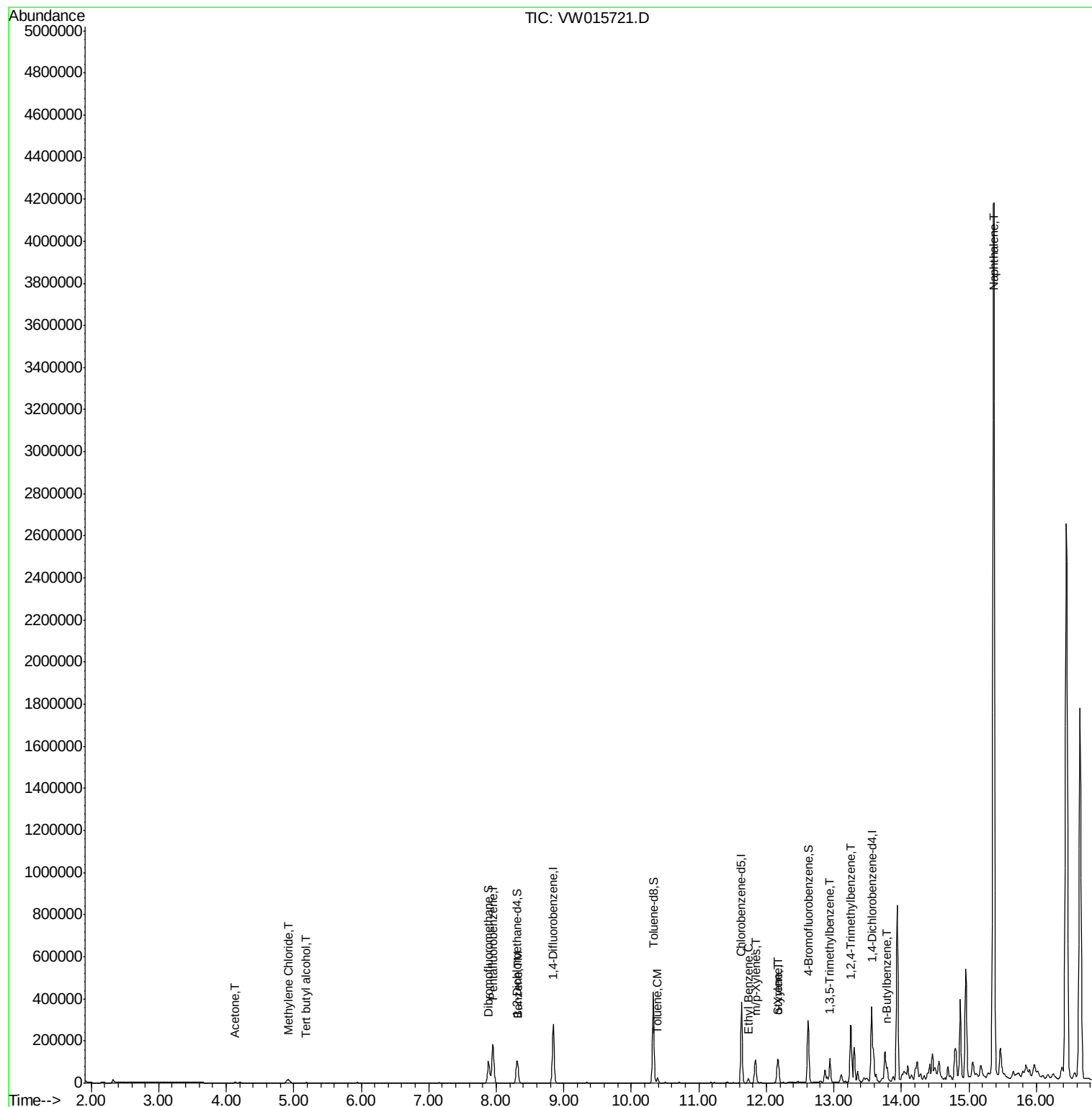
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062520\
Data File : VW015721.D
Acq On : 25 Jun 2020 11:53
Operator : SY/VA
Sample : L2810-09
Misc : 7.53G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

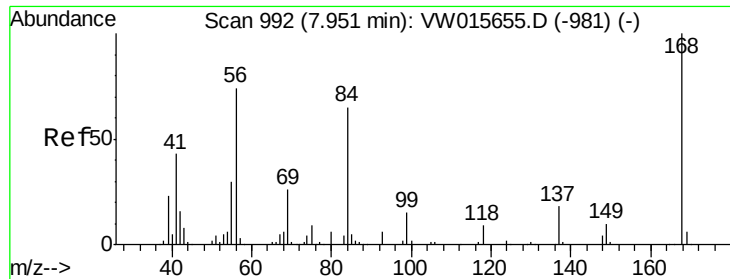
Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Manual Integrations
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6/26/2020 11:21:21 AM

Quant Time: Jun 26 02:23:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015721.D

Acq: 25 Jun 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062420

Tot Ion:168 Resp: 133577

Ion Ratio Lower Upper

168 100

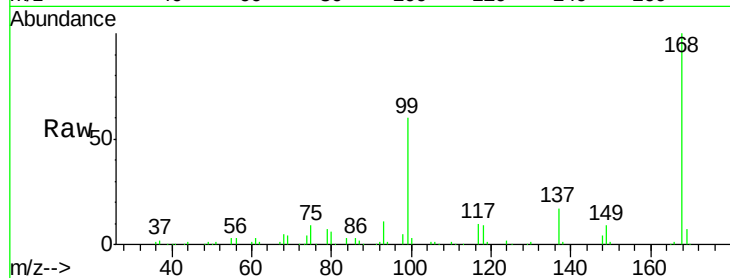
99 60.3 48.6 73.0

Manual Integrations

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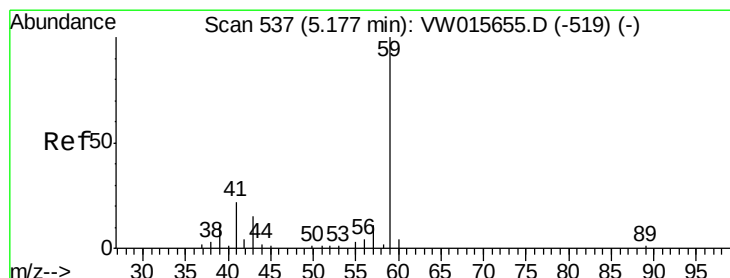
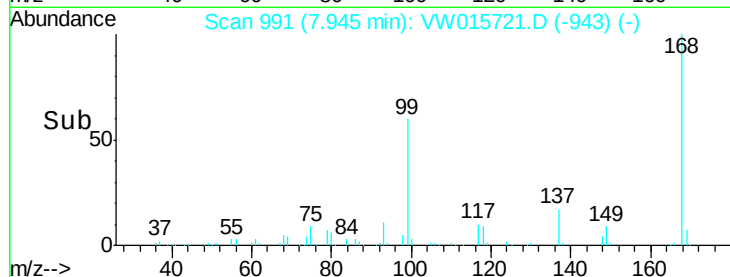
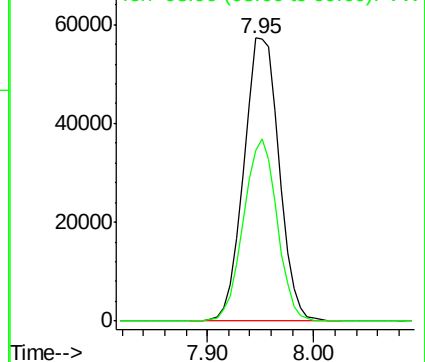
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 21.629 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW015721.D

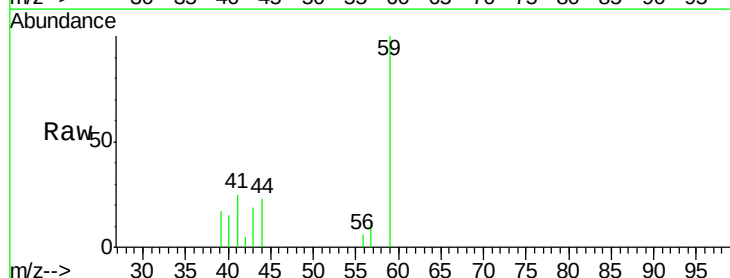
Acq: 25 Jun 2020 11:53

Tgt Ion: 59 Resp: 4283

Ion Ratio Lower Upper

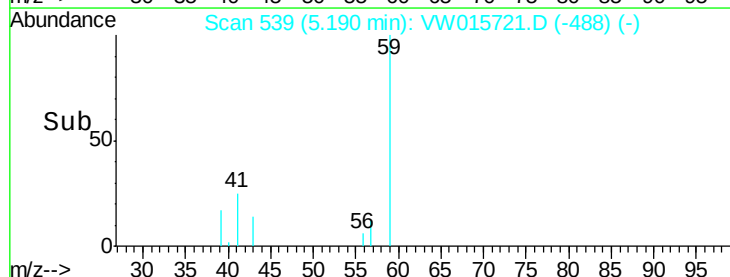
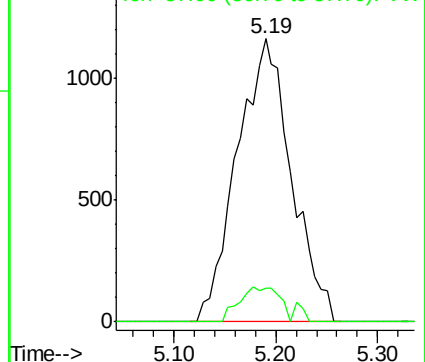
59 100

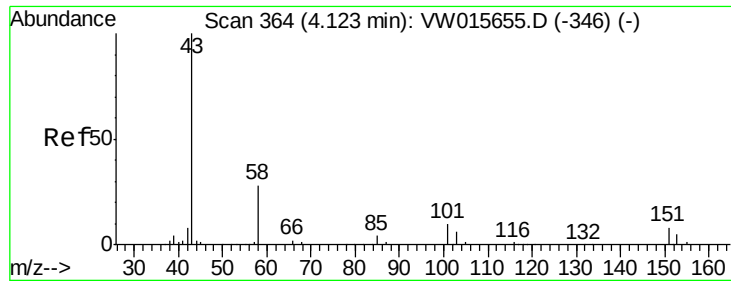
57 9.1 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





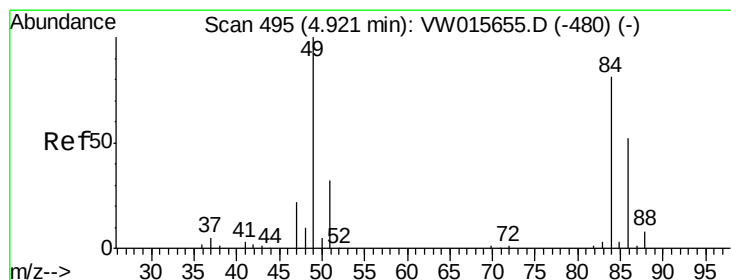
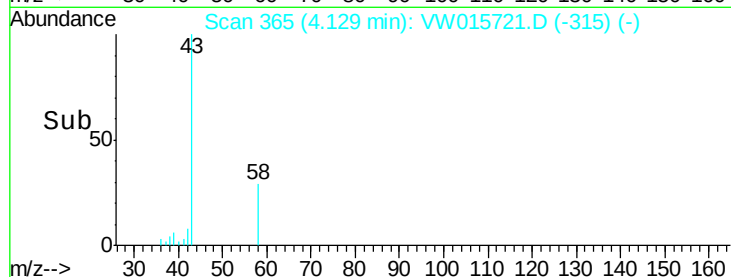
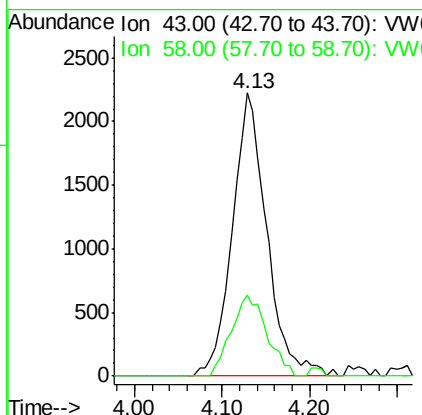
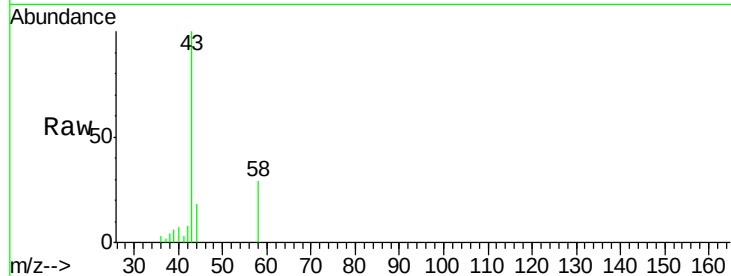
#16
Acetone
Concen: 21.548 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
58 28.9 22.6 33.8

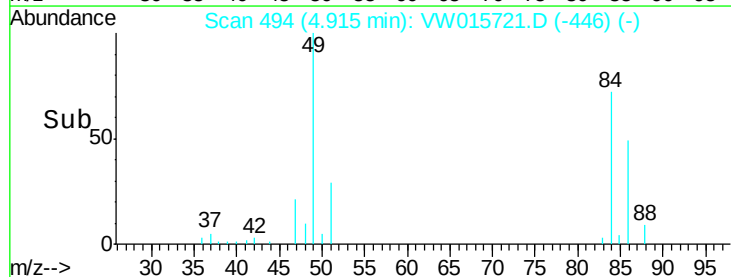
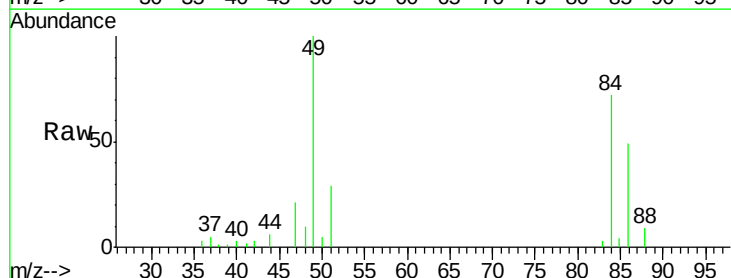
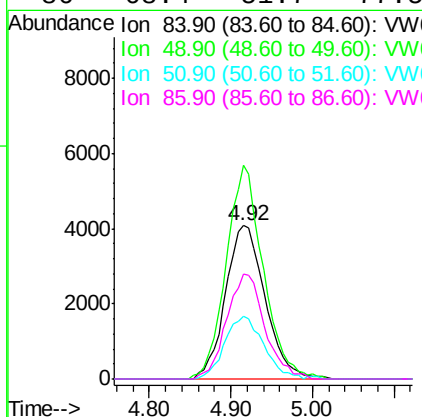
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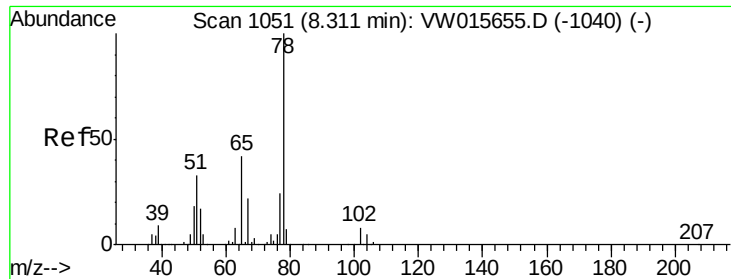
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#20
Methylene Chloride
Concen: 5.964 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion: 84 Resp: 13732
Ion Ratio Lower Upper
84 100
49 139.3 99.3 148.9
51 40.6 31.8 47.6
86 68.4 51.7 77.5





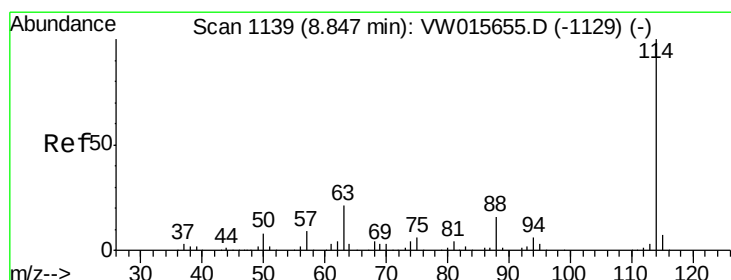
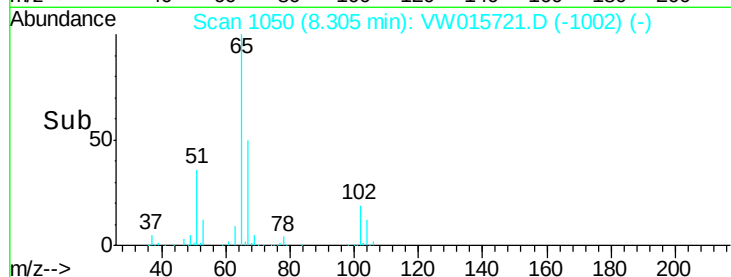
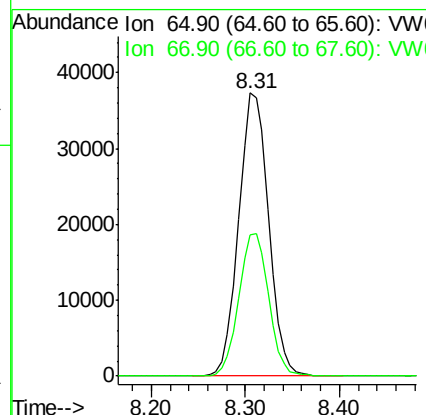
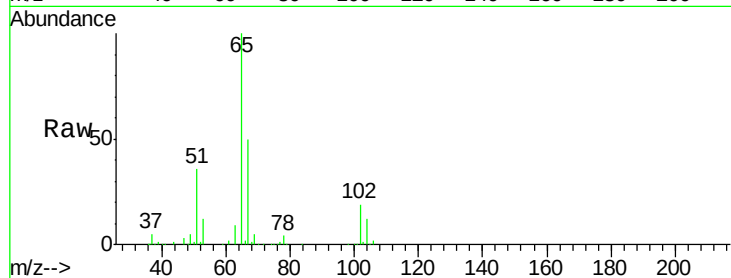
#33
 1,2-Dichloroethane-d4
 Concen: 55.695 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015721.D
 Acq: 25 Jun 2020 11:53

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-062420

Tot Ion	Ratio	Resp	Lower	Upper
65	100	82775		
67	50.3		0.0	102.2

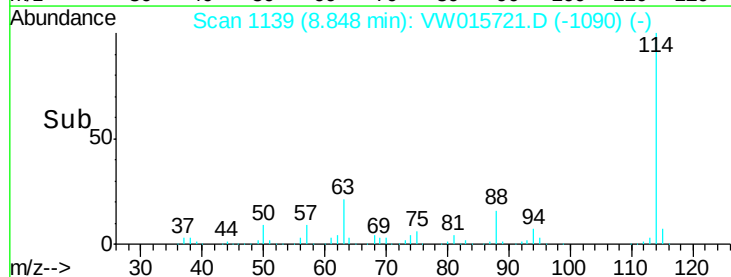
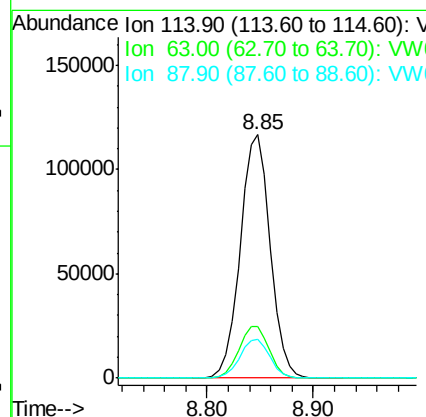
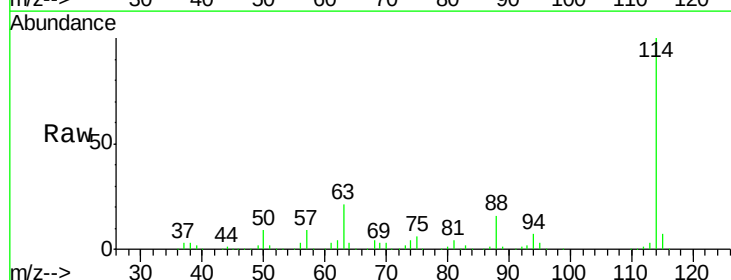
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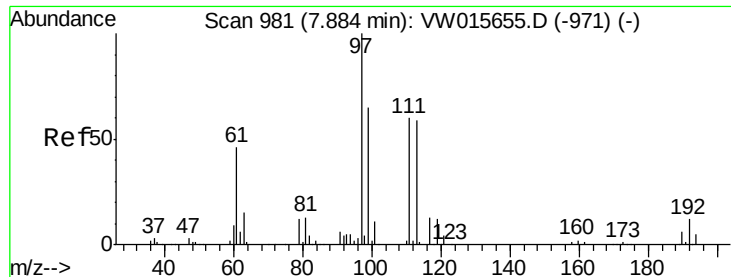
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015721.D
 Acq: 25 Jun 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	229936		
63	21.2		0.0	42.4
88	15.8		0.0	32.6





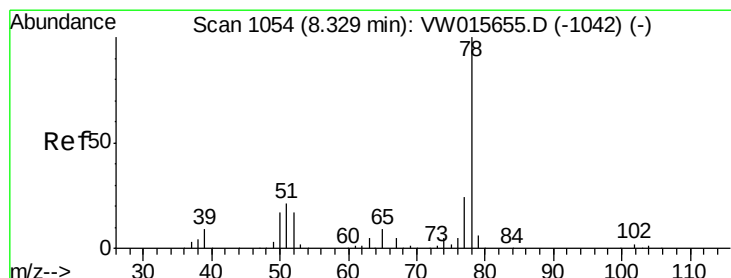
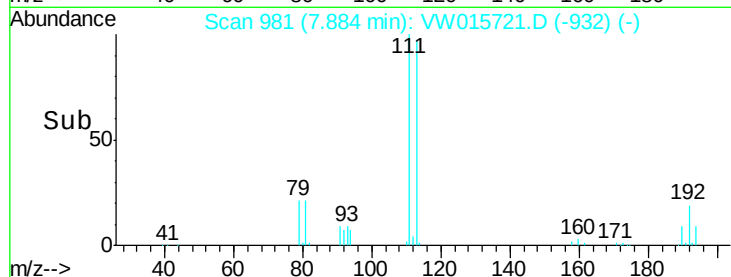
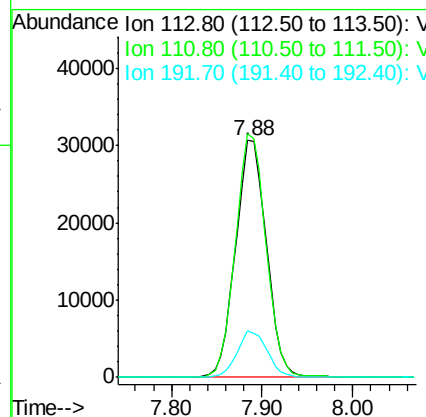
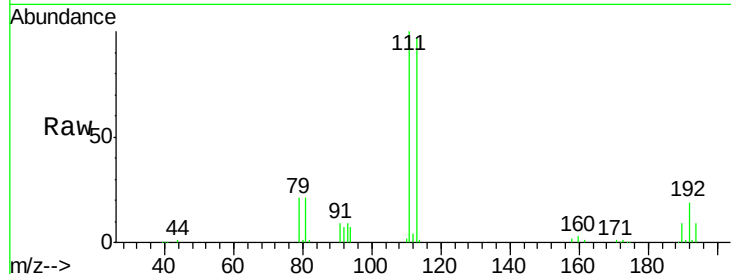
#35
Dibromofluoromethane
Concen: 50.144 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	19.3	16.4	24.6

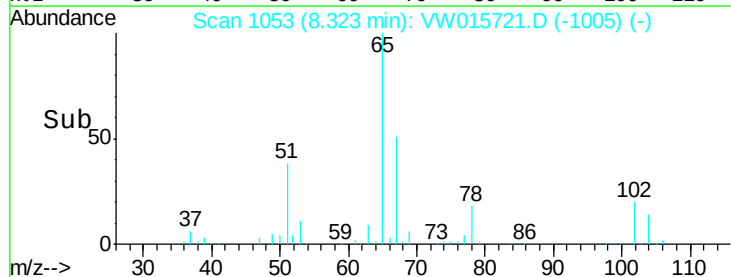
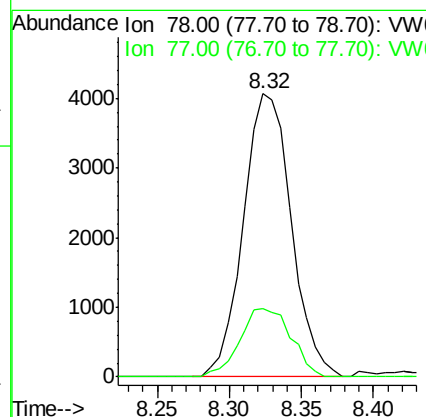
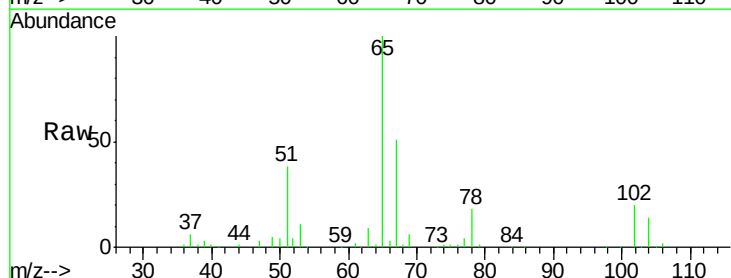
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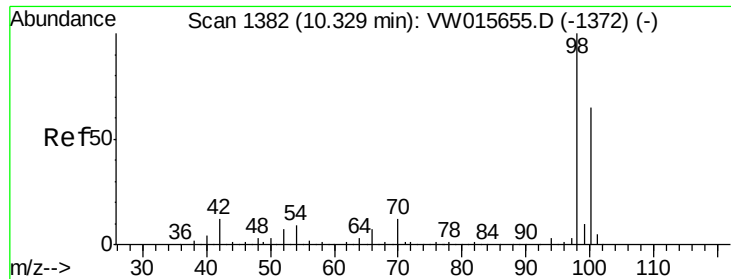
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#40
Benzene
Concen: 1.441 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





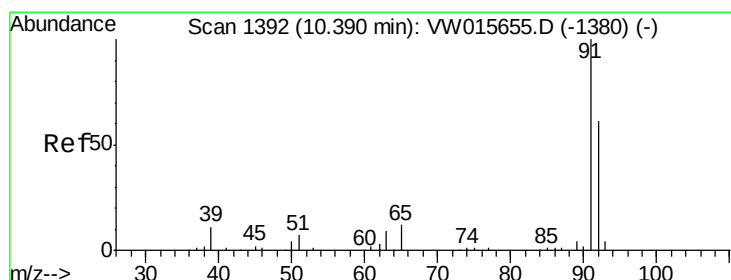
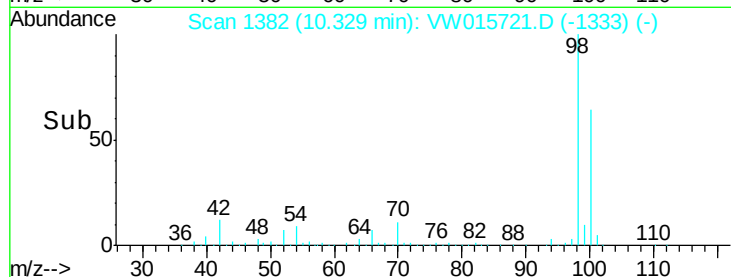
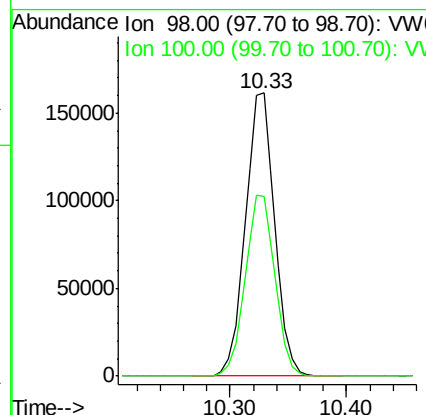
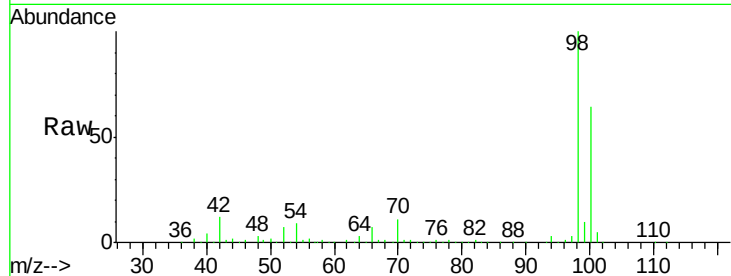
#50
Toluene-d8
Concen: 49.696 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion: 98 Resp: 282868
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2

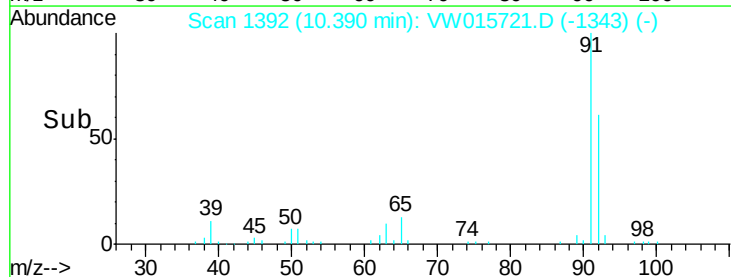
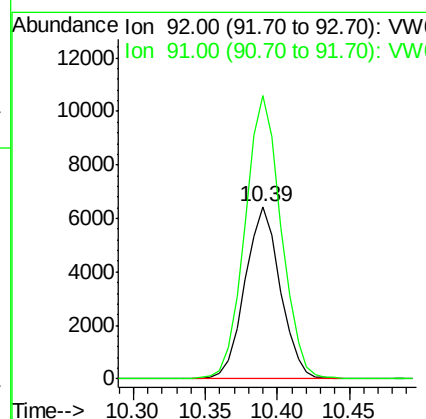
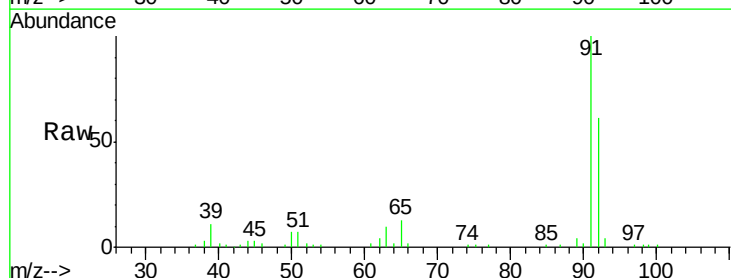
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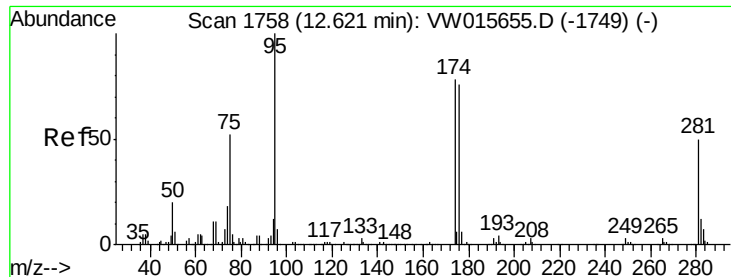
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#52
Toluene
Concen: 2.604 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion: 92 Resp: 10933
Ion Ratio Lower Upper
92 100
91 167.9 135.5 203.3





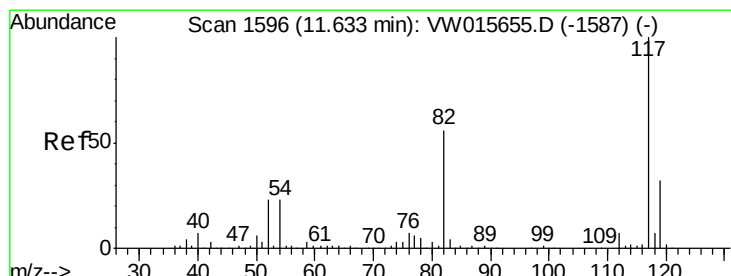
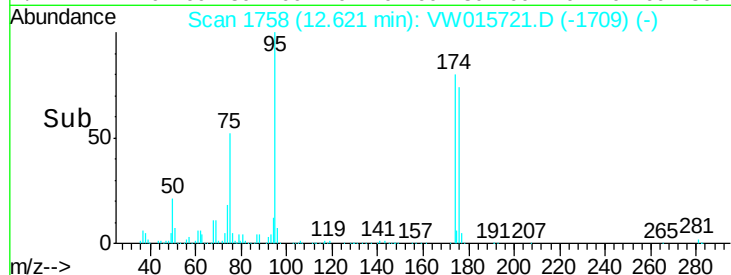
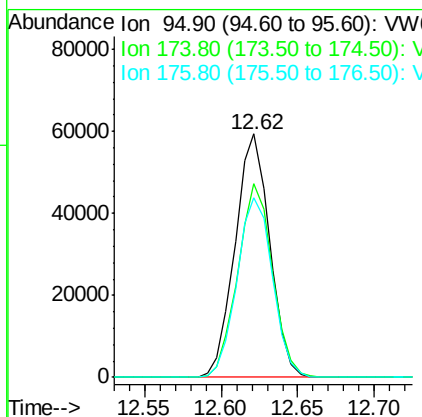
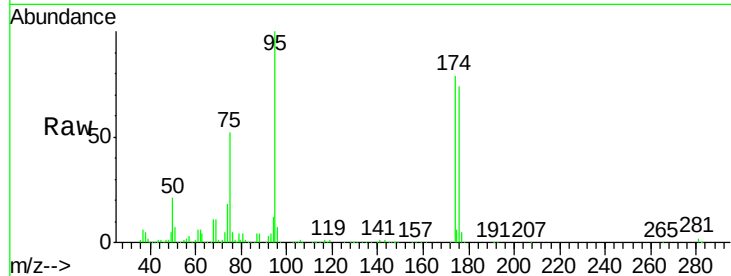
#62
4-Bromofluorobenzene
Concen: 44.361 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion	Ratio	Resp	Lower	Upper
95	100	92990		
174	80.0	0.0	157.0	
176	75.9	0.0	151.4	

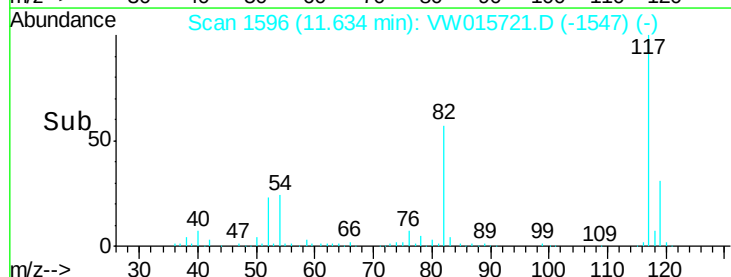
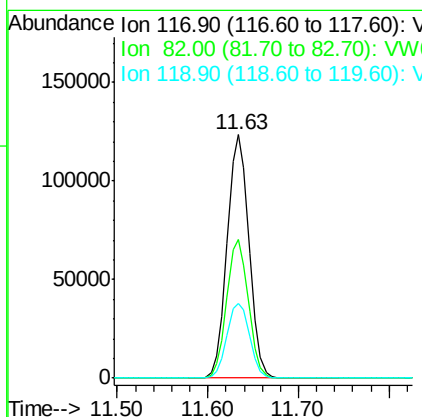
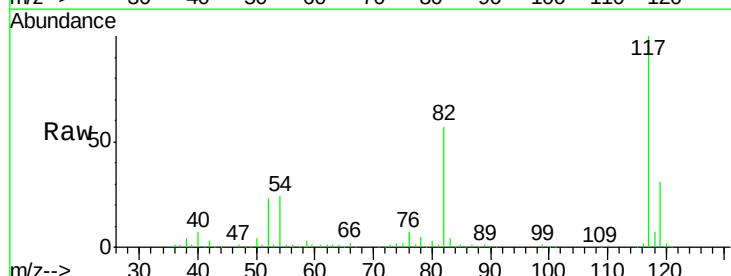
Manual Integrations
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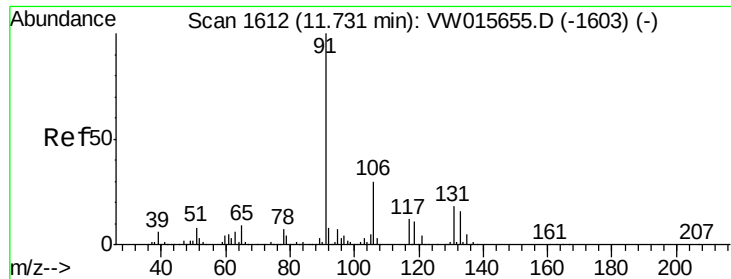
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205979		
82	57.2	45.1	67.7	
119	30.6	25.8	38.8	





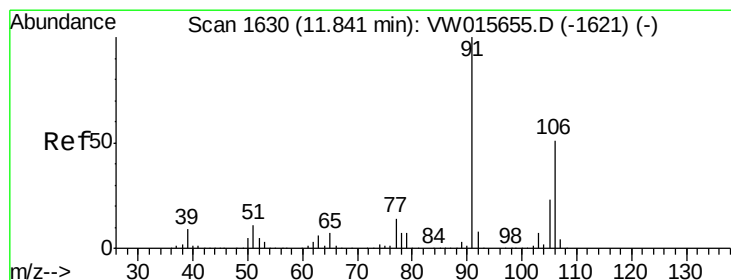
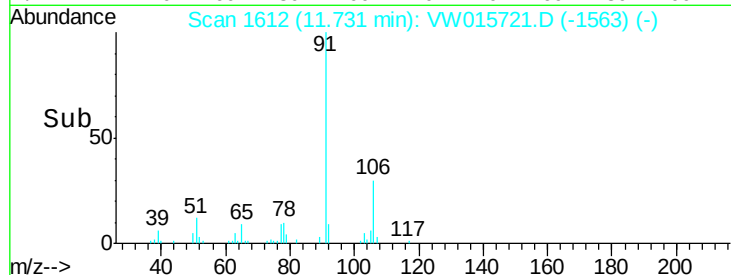
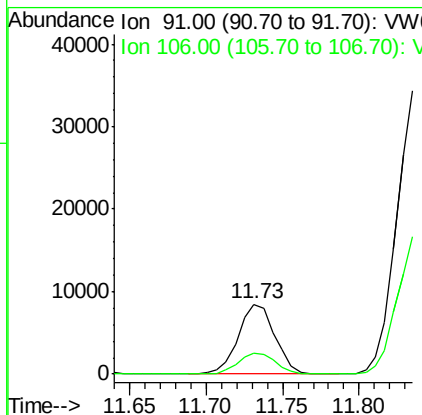
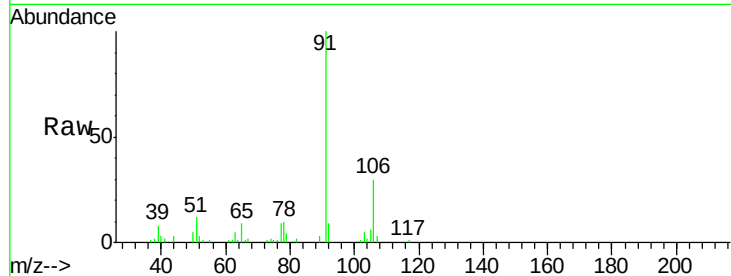
#67
Ethyl Benzene
Concen: 1.753 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampled :
CL-01-062420

Tot Ion: 91 Resp: 14167
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

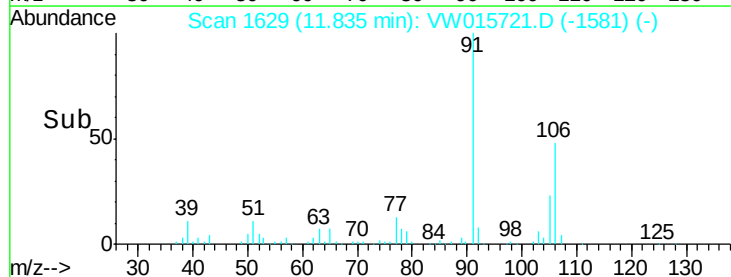
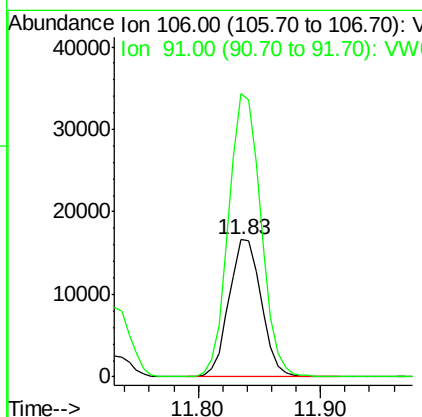
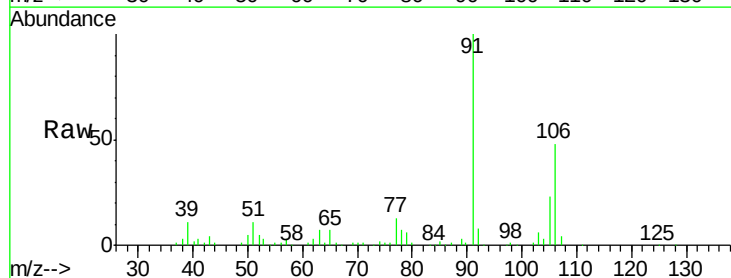
Manual Integrations
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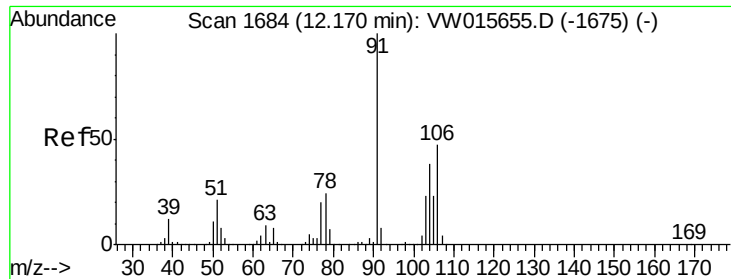
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6/26/2020 11:21:21 AM



#68
m/p-Xylenes
Concen: 9.986 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion: 106 Resp: 30308
Ion Ratio Lower Upper
106 100
91 207.4 162.6 244.0





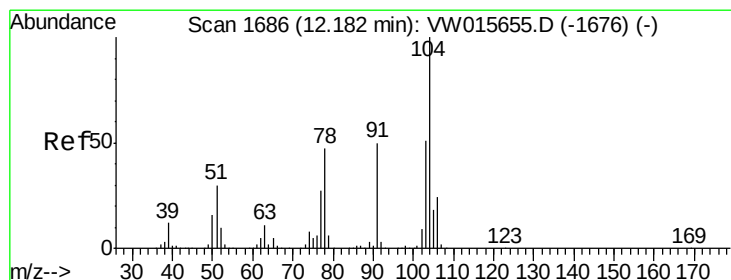
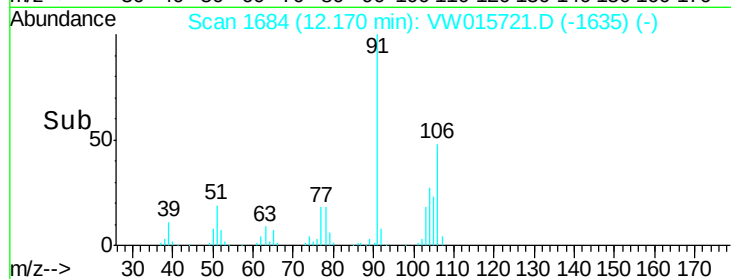
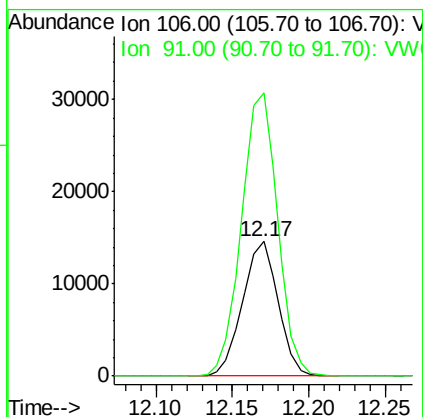
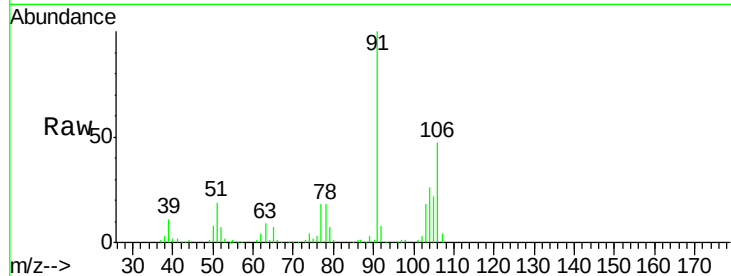
#69
o-Xylene
Concen: 8.464 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		23618		
91	214.1	108.3	324.9		

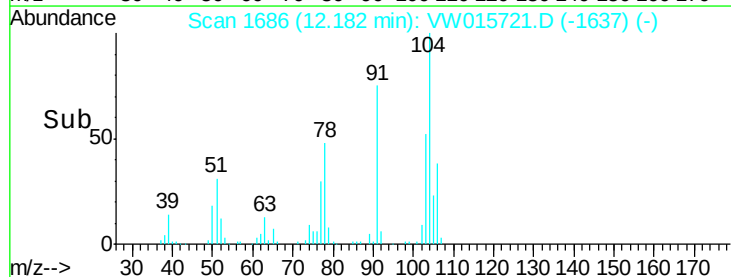
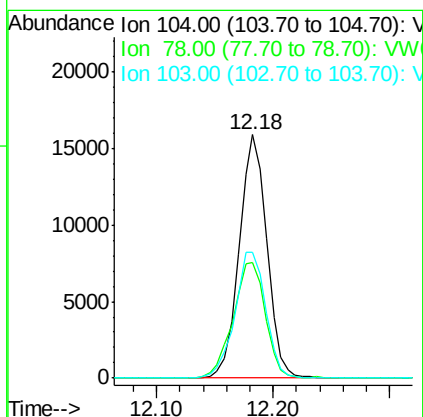
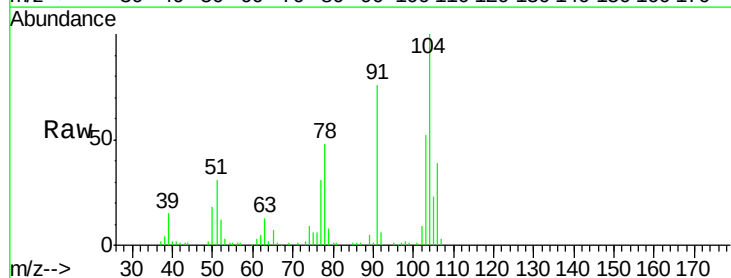
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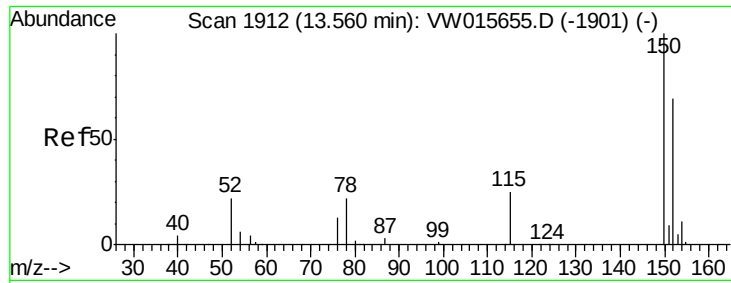
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#70
Styrene
Concen: 5.528 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		26355		
78	55.5	40.9	61.3		
103	57.8	43.1	64.7		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015721.D

Acq: 25 Jun 2020 11:53

Instrument :

MSVOA_W

ClientSampleId :

CL-01-062420

Tot Ion:152 Resp: 88864

Ion Ratio Lower Upper

152 100

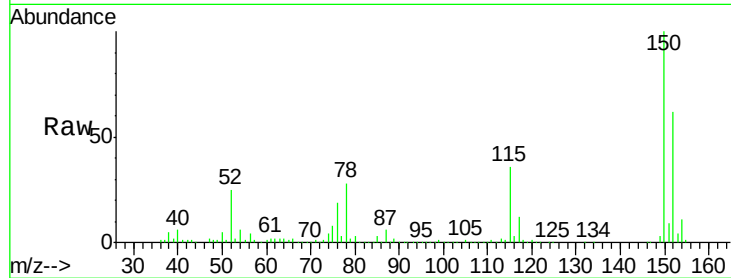
115 62.9 30.1 90.5

150 158.0 0.0 345.6

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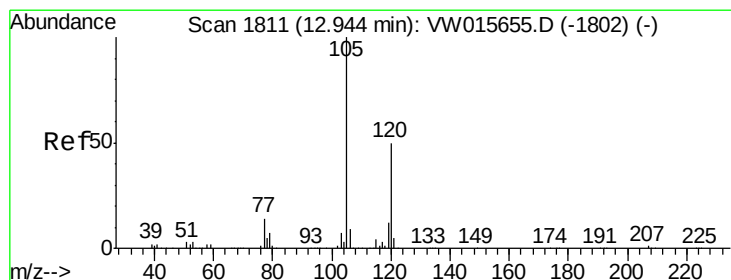
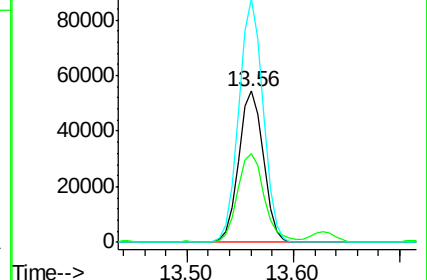
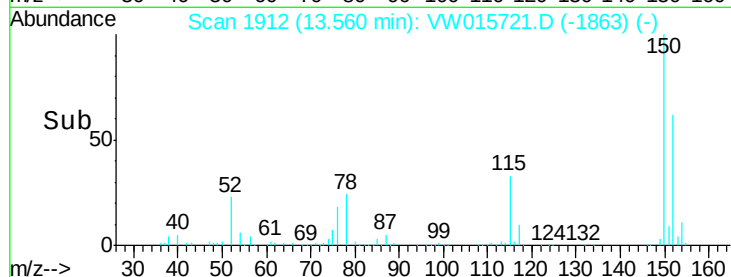
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.048 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015721.D

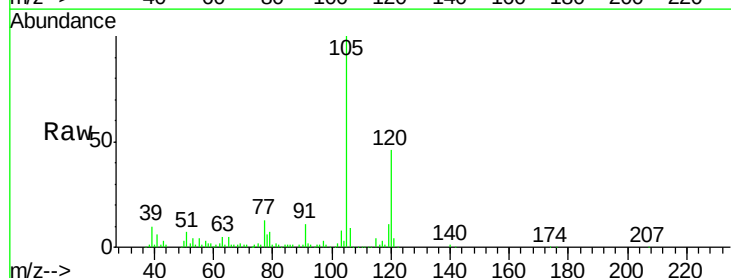
Acq: 25 Jun 2020 11:53

Tgt Ion:105 Resp: 51972

Ion Ratio Lower Upper

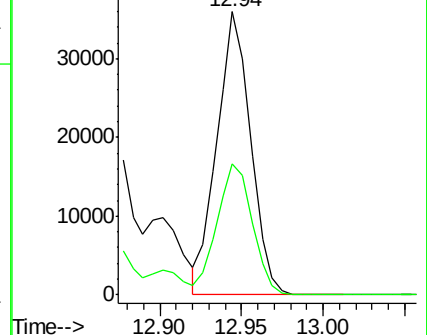
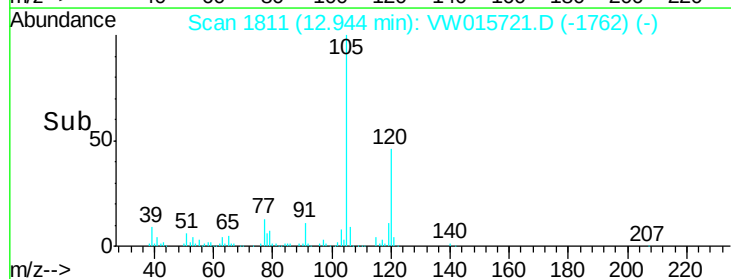
105 100

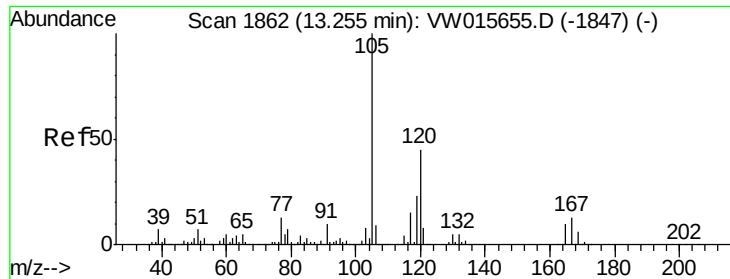
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





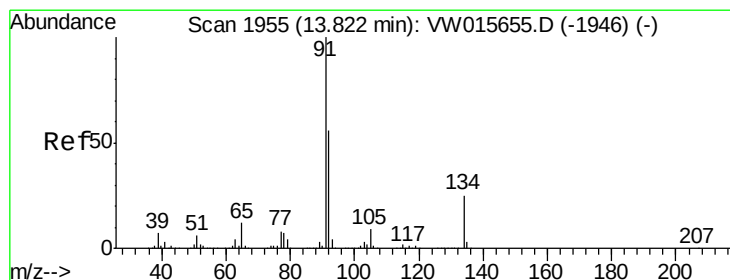
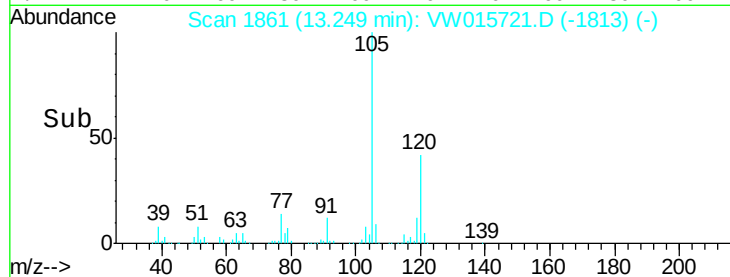
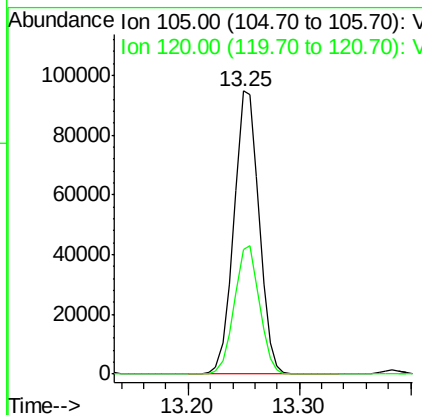
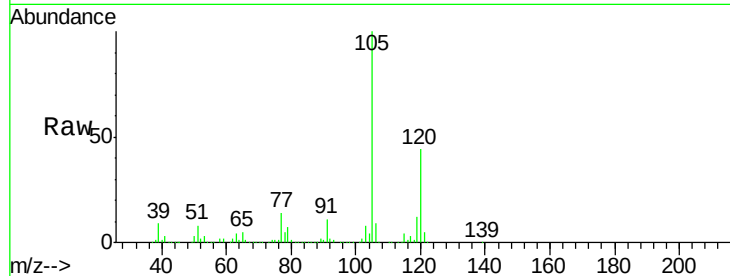
#84
 1,2,4-Trimethylbenzene
 Concen: 25.829 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015721.D
 Acq: 25 Jun 2020 11:53

Instrument :
 MSVOA_W
 ClientSampled :
 CL-01-062420

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3

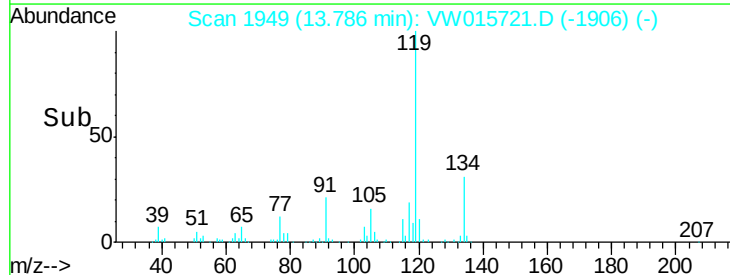
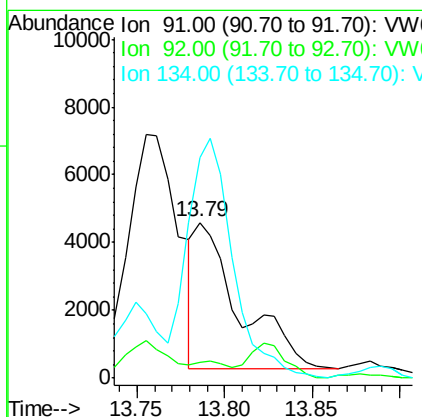
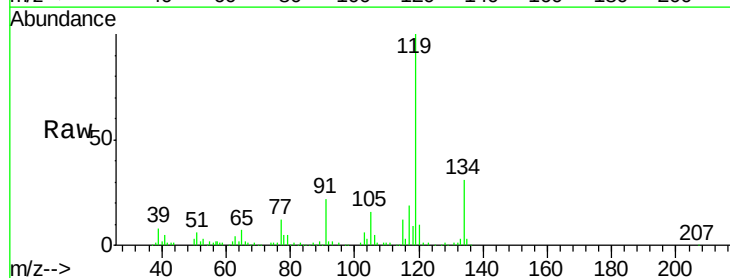
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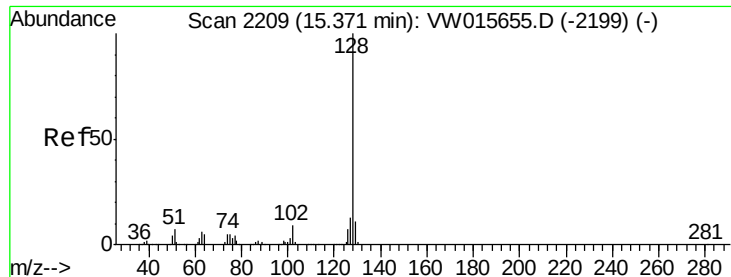
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#89
 n-Butylbenzene
 Concen: 1.245 ug/l m
 RT: 13.79 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VW015721.D
 Acq: 25 Jun 2020 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	29.3	27.5	82.4
134	43.9	13.0	38.9#





#95
Naphthalene
Concen: 1272.067 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015721.D
Acq: 25 Jun 2020 11:53

Instrument :
MSVOA_W
ClientSampleId :
CL-01-062420

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.5	8.8	13.2

Manual Integrations
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