

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003019.D
 Acq On : 29 Jun 2020 20:18
 Operator : SY/MD
 Sample : L3153-01
 Misc : 6.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:55:21 PM

Quant Time: Jun 30 07:28:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	417881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	665880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	611684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	281989	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	235016	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
35) Dibromofluoromethane	7.72	113	222298	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.18	98	794773	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.48	95	269442	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.73	84	61089	8.151	ug/l	96
52) Toluene	10.24	92	65038	5.884	ug/l	98
68) m/p-Xylenes	11.70	106	24079	2.932	ug/l	95
69) o-Xylene	12.03	106	35231	4.553	ug/l	94
70) Styrene	12.04	104	100239	7.582	ug/l	97
79) 2-Chlorotoluene	12.75	91	3352582	270.618	ug/l	98
82) 4-Chlorotoluene	12.85	91	2787998	216.149	ug/l	100
86) p-Isopropyltoluene	13.37	119	18775	1.081	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	17233m	1.978	ug/l	
91) 1,2-Dichlorobenzene	13.74	146	10211	1.288	ug/l	97
95) Naphthalene	15.23	128	19312	1.795	ug/l #	91

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

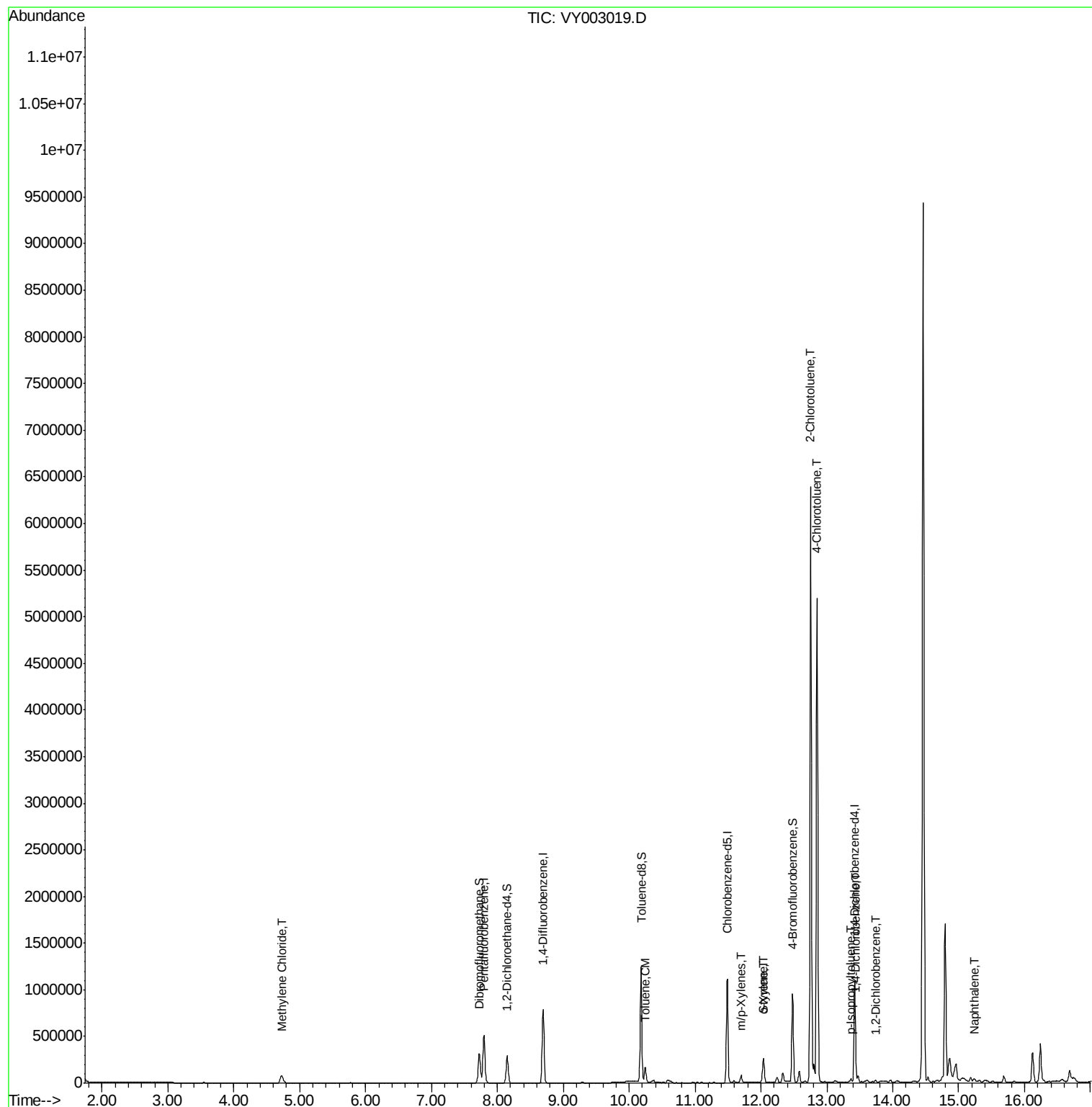
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
Data File : VY003019.D
Acq On : 29 Jun 2020 20:18
Operator : SY/MD
Sample : L3153-01
Misc : 6.50G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

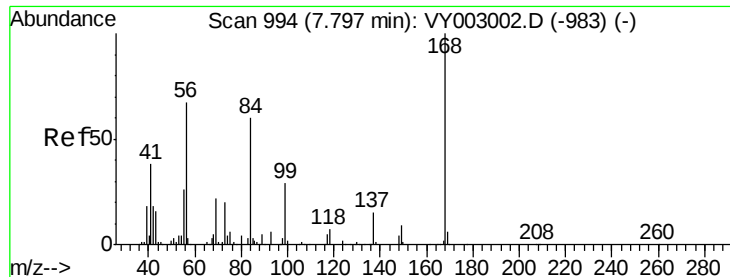
Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

Manual Integrations
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Quant Time: Jun 30 07:28:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampled :

SP1-A

Tot Ion:168 Resp: 417881

Ion Ratio Lower Upper

168 100

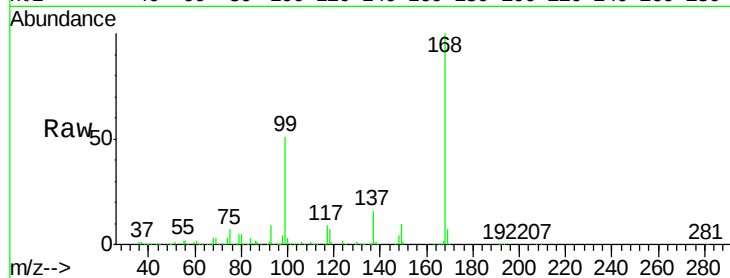
99 50.7 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

200000

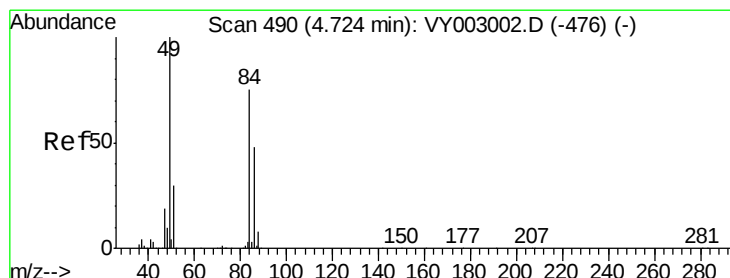
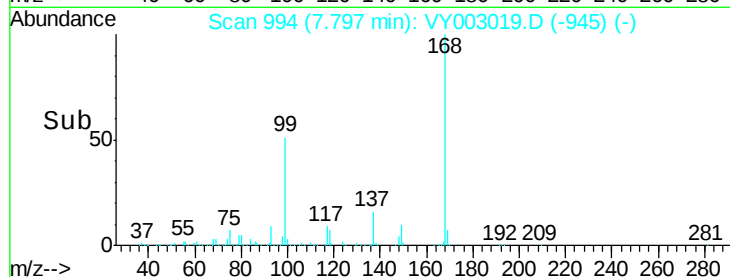
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.151 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Tgt Ion: 84 Resp: 61089

Ion Ratio Lower Upper

84 100

49 128.1 106.8 160.2

51 35.8 32.0 48.0

86 66.1 51.4 77.2

Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

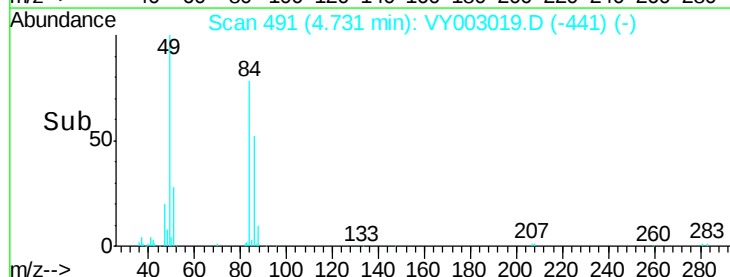
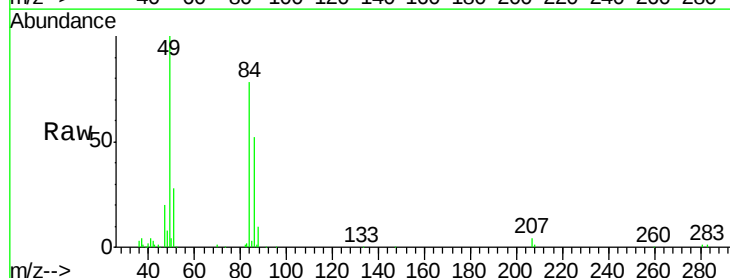
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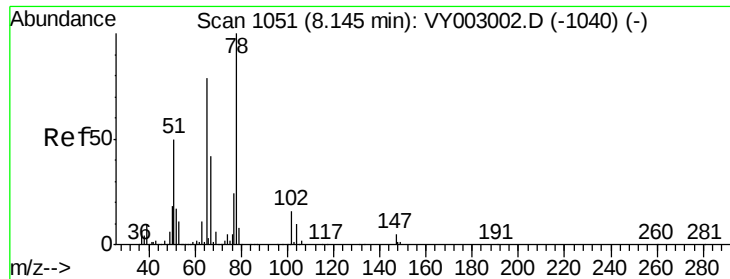
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Time-->





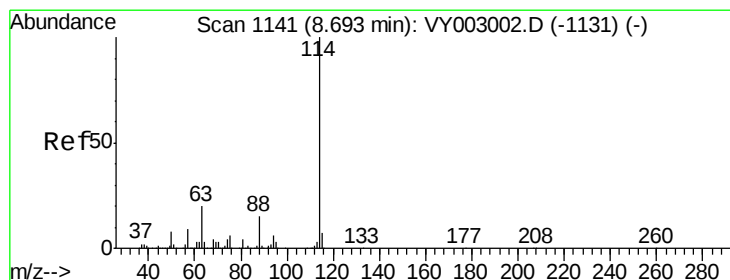
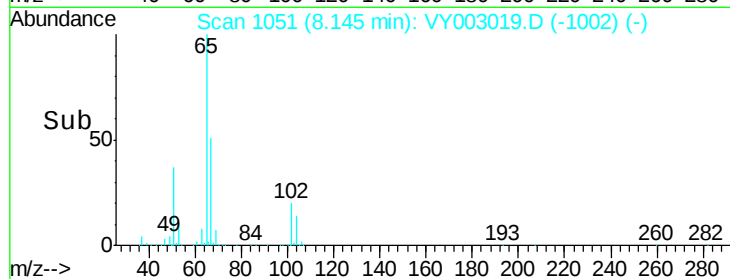
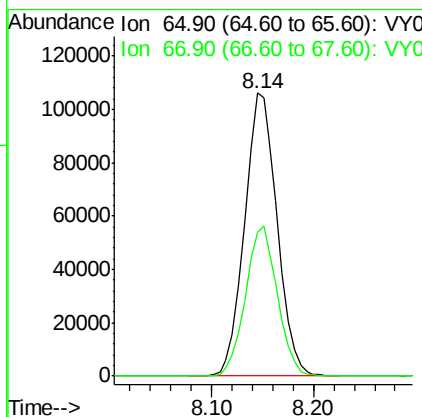
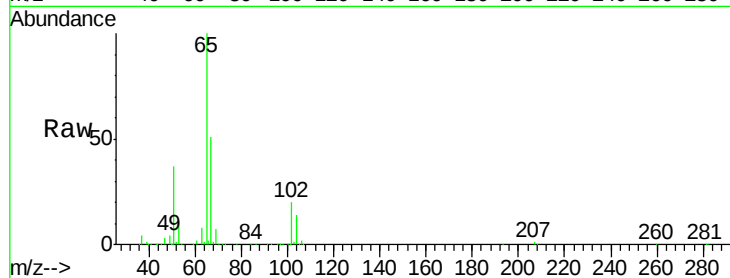
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 1,2-Dichloroethane-d4
 Concen: 56.625 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	105.6	

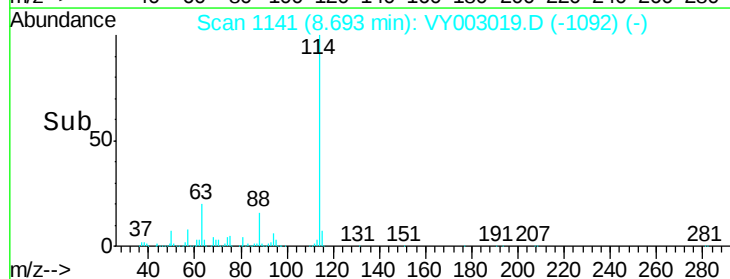
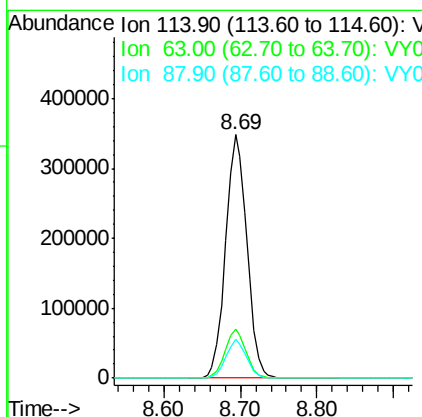
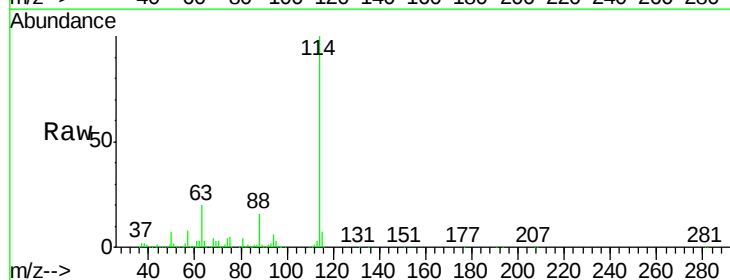
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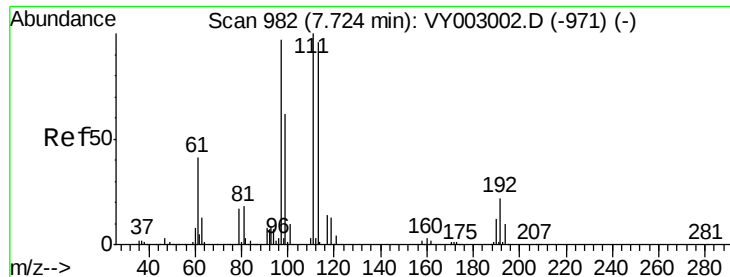
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	40.6	
88	15.7	0.0	30.0	





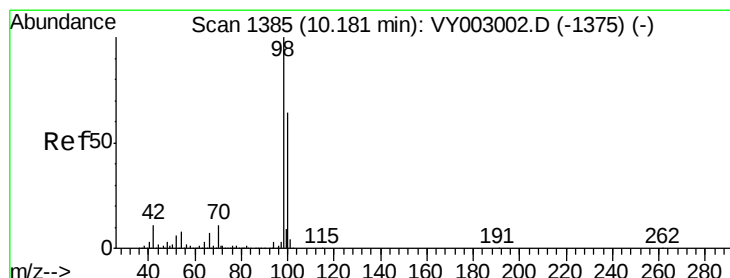
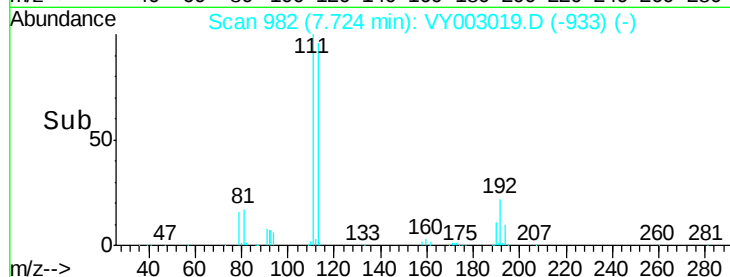
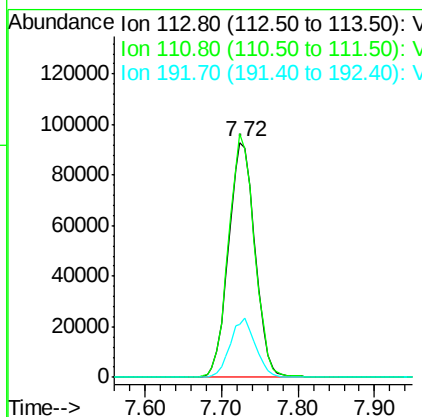
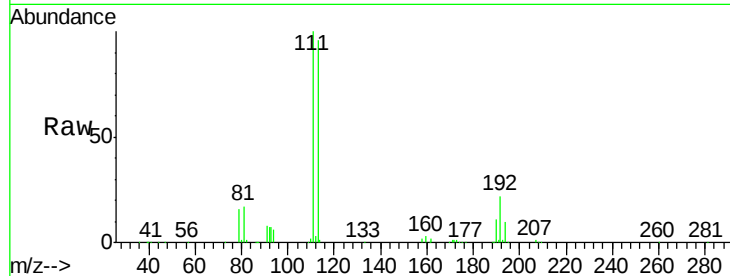
#35
Dibromofluoromethane
Concen: 53.516 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	24.1	18.1	27.1

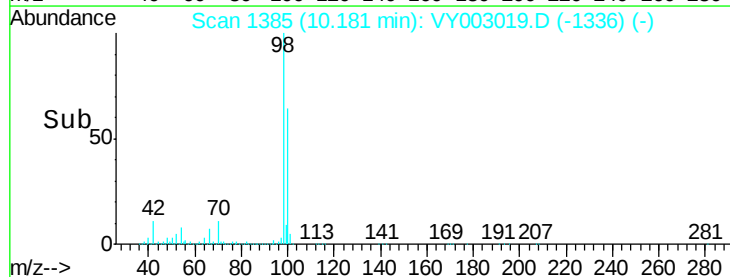
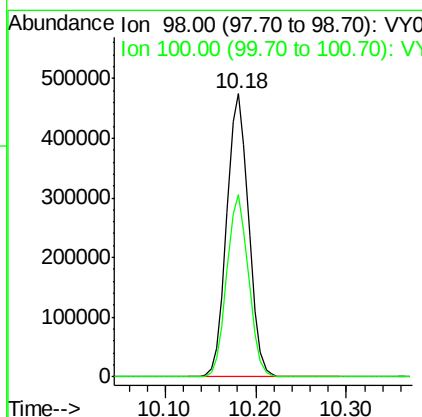
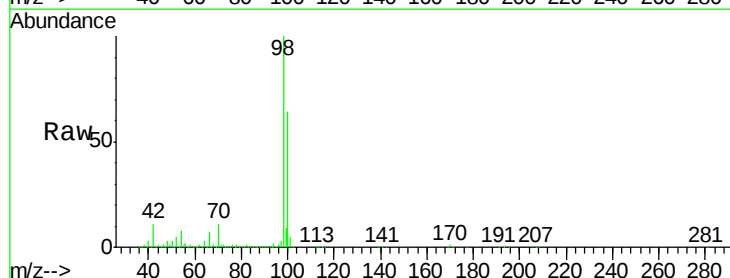
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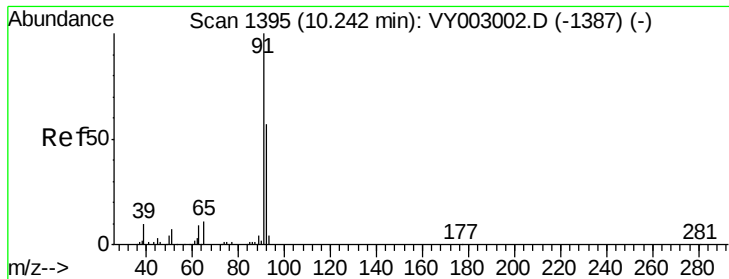
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#50
Toluene-d8
Concen: 51.358 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#52

Toluene

Concen: 5.884 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

SP1-A

Tot Ion: 92 Resp: 65038

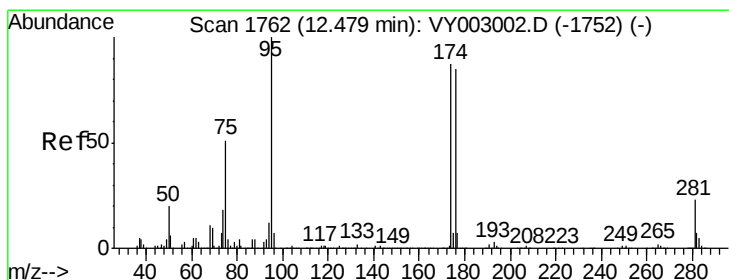
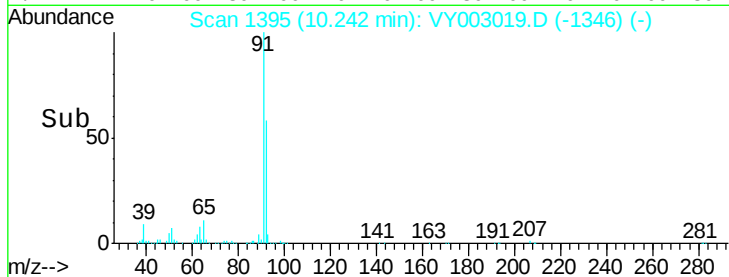
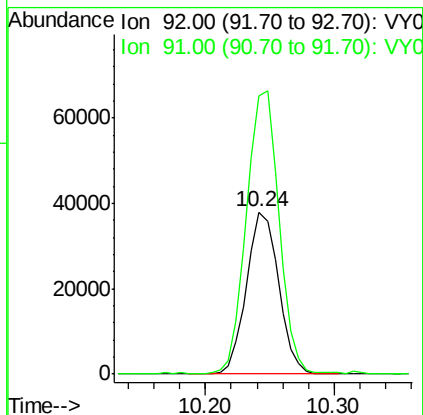
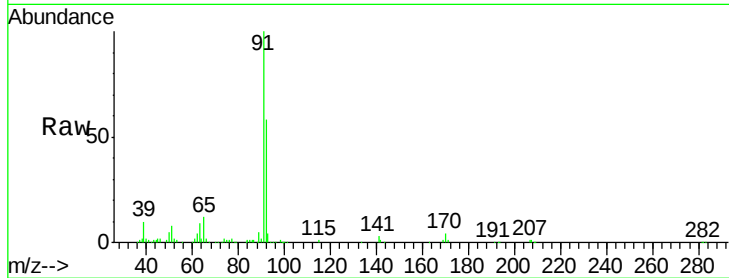
Ion Ratio Lower Upper

92 100

91 177.4 139.6 209.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.464 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

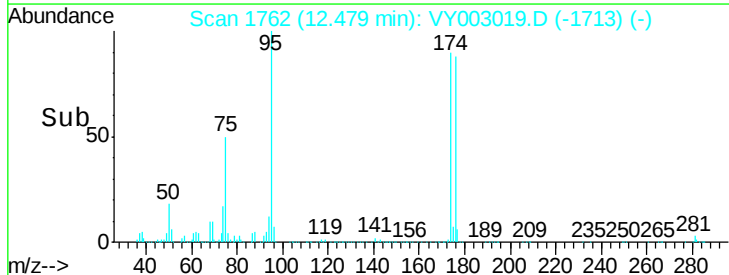
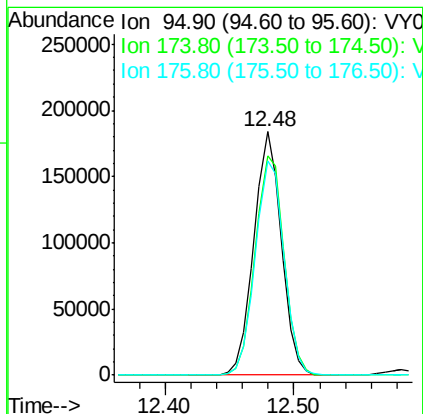
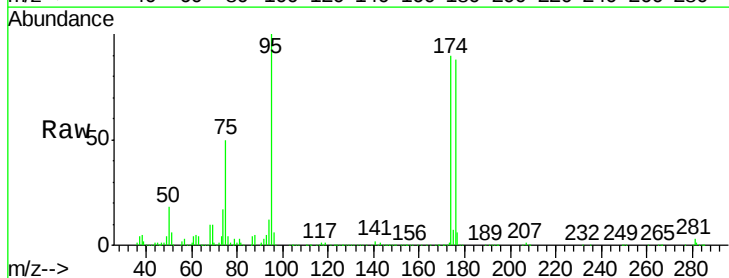
Tgt Ion: 95 Resp: 269442

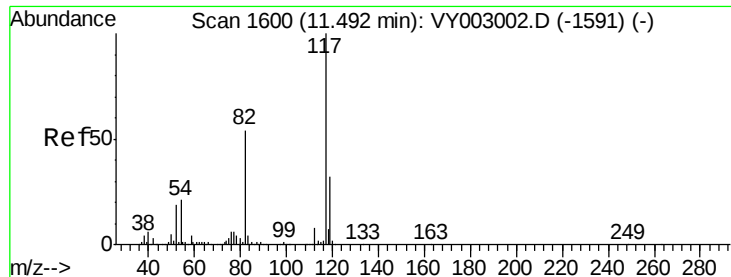
Ion Ratio Lower Upper

95 100

174 94.8 0.0 184.8

176 92.1 0.0 183.0





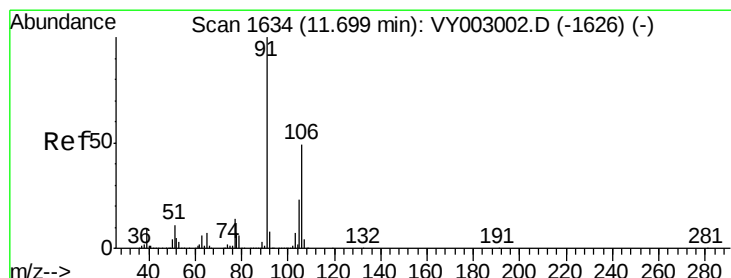
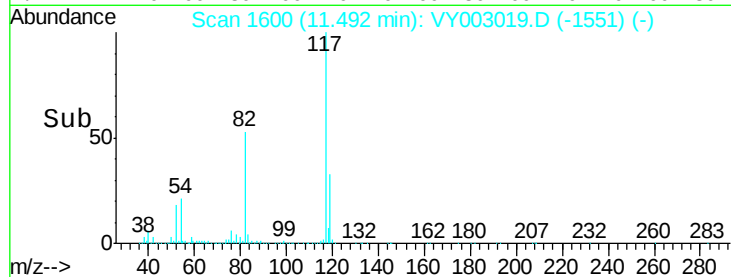
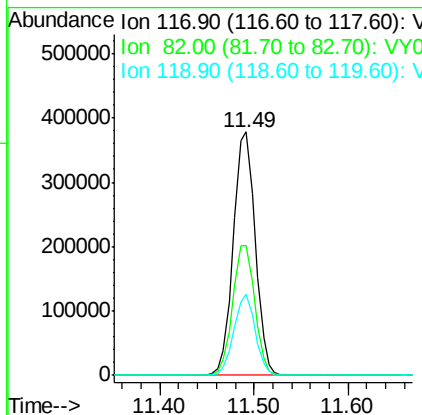
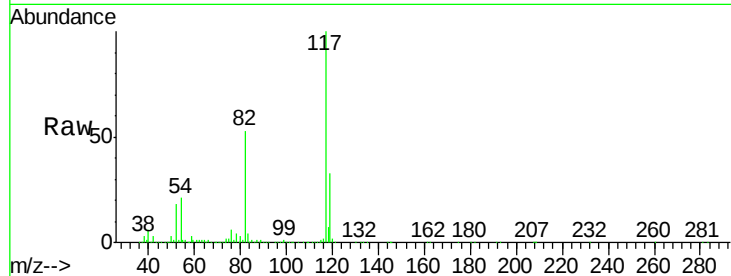
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Instrument :
MSVOA_Y
ClientSampled :
SP1-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.0	64.6
119	33.3	25.8	38.8

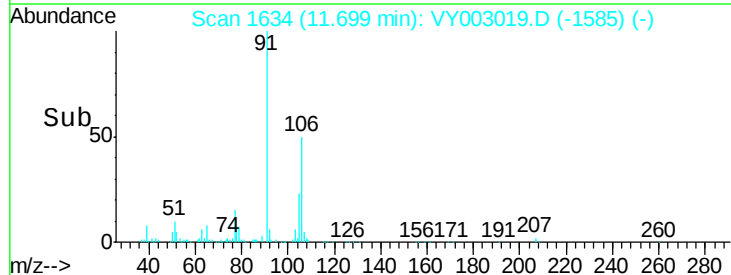
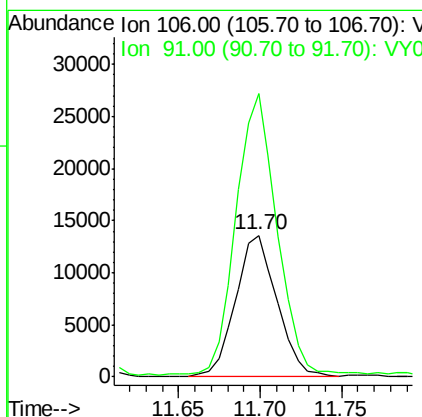
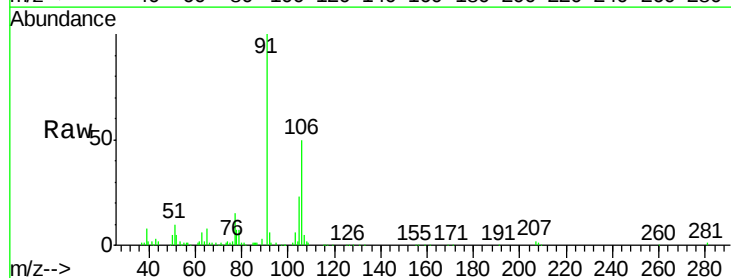
Manual Integrations
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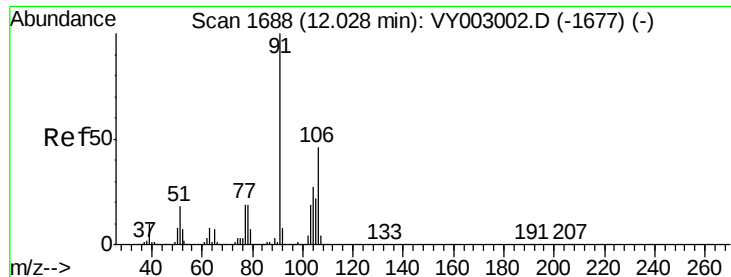
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#68
m/p-Xylenes
Concen: 2.932 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.9	161.9	242.9





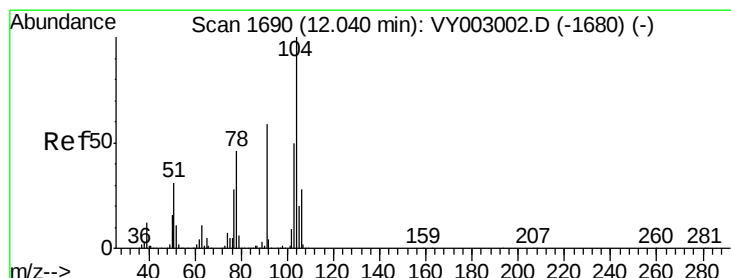
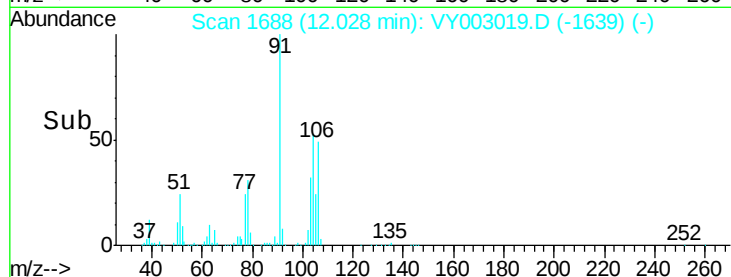
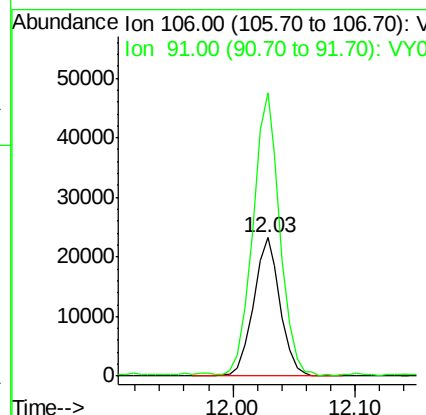
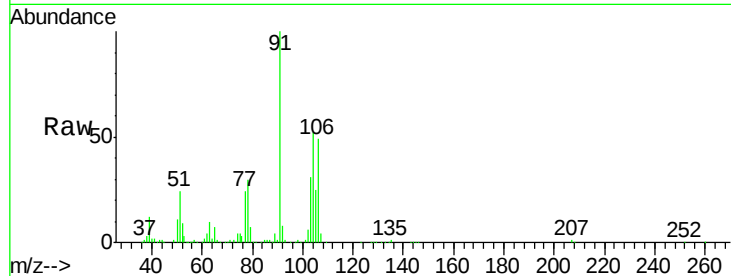
#69
o-Xylene
Concen: 4.553 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Instrument :
MSVOA_Y
ClientSampled :
SP1-A

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	206.6	107.9	323.8	

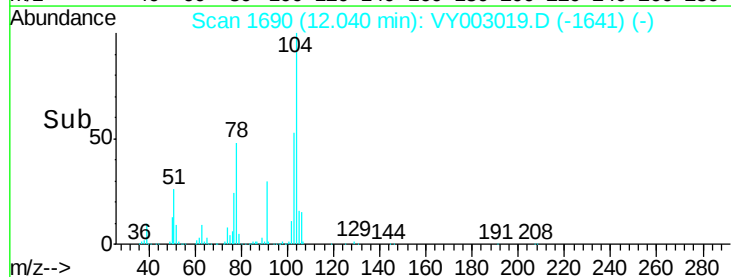
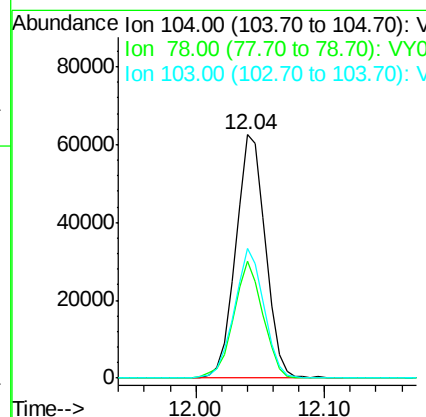
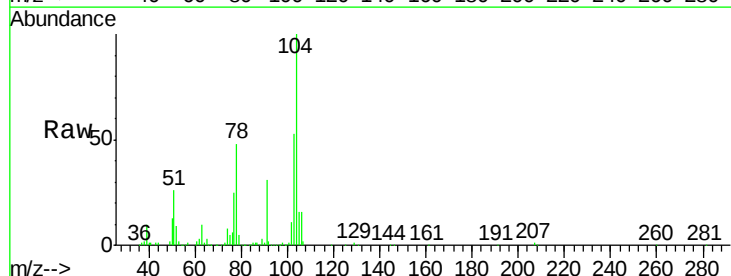
Manual Integrations
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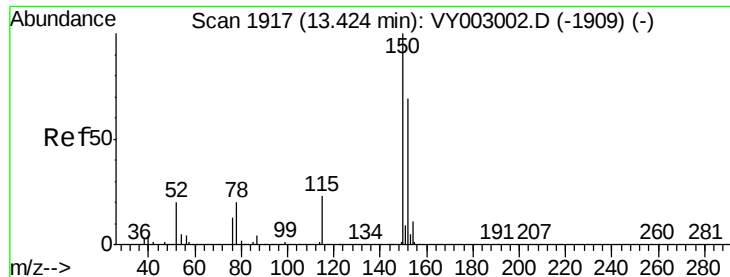
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#70
Styrene
Concen: 7.582 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.7	40.4	60.6	
103	53.4	44.1	66.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampled :

SP1-A

Tot Ion:152 Resp: 281989

Ion Ratio Lower Upper

152 100

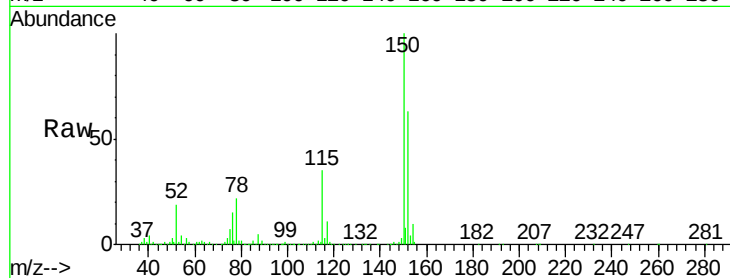
115 55.2 27.3 81.9

150 157.6 0.0 343.4

Manual Integrations
APPROVED

MMDadoda

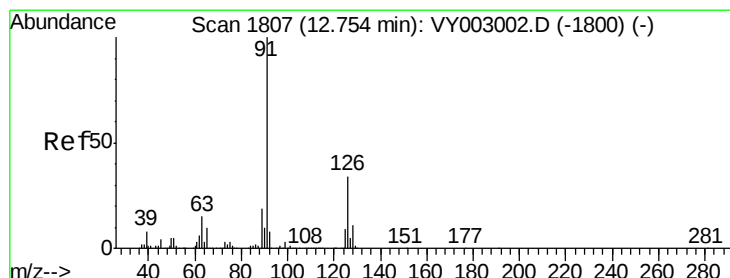
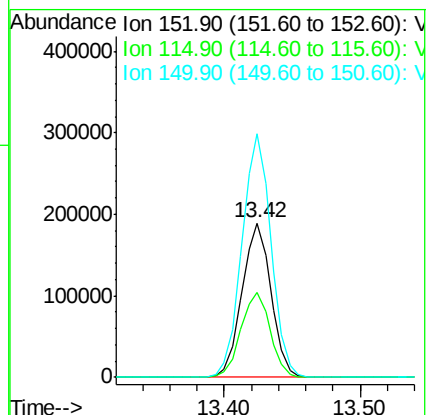
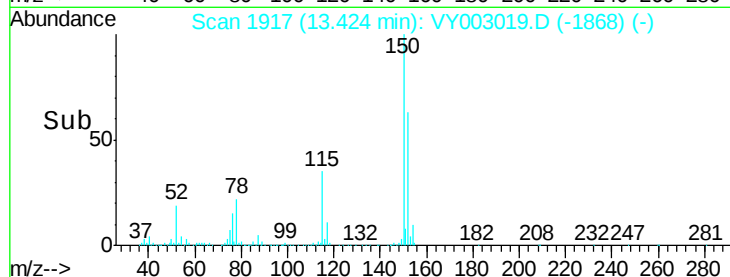
6/30/2020 12:55:21 PM



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



#79

2-Chlorotoluene

Concen: 270.618 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003019.D

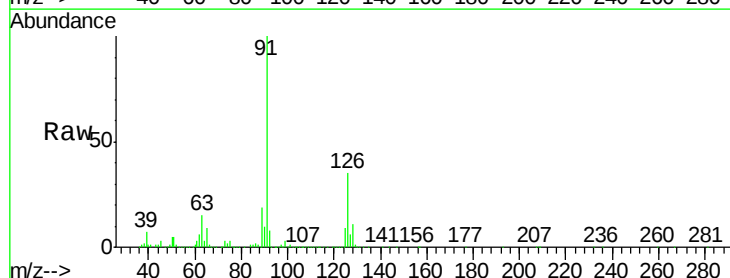
Acq: 29 Jun 2020 20:18

Tgt Ion: 91 Resp: 3352582

Ion Ratio Lower Upper

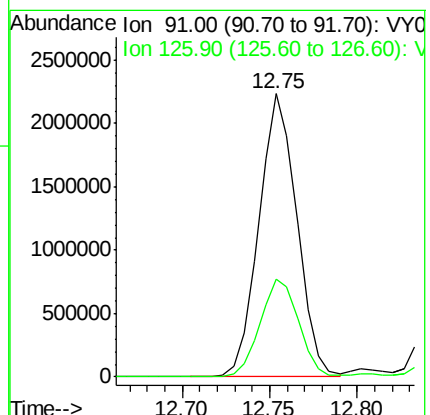
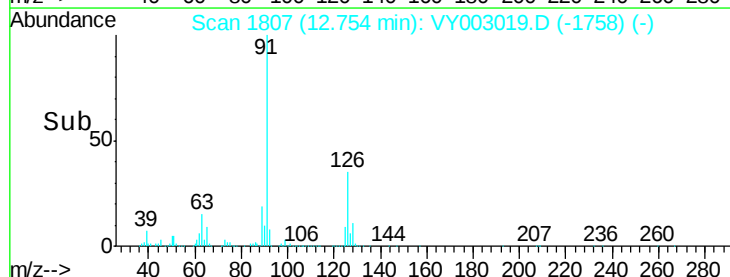
91 100

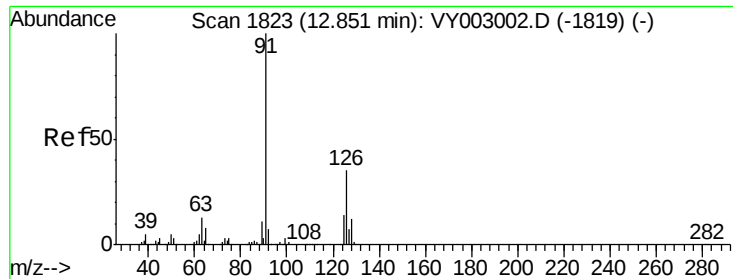
126 35.2 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#82

4-Chlorotoluene

Concen: 216.149 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

SP1-A

Tot Ion: 91 Resp: 2787998

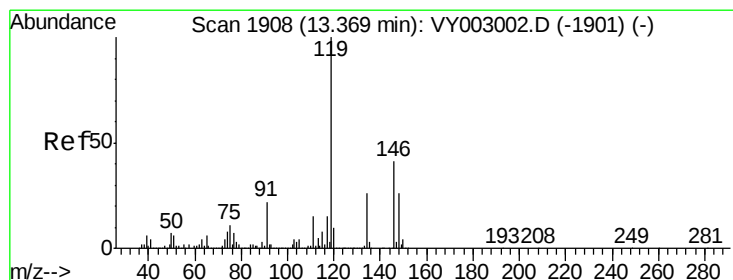
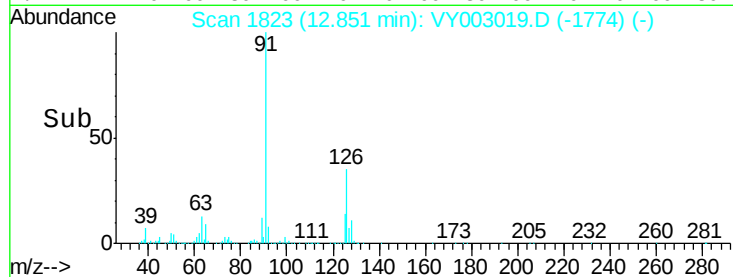
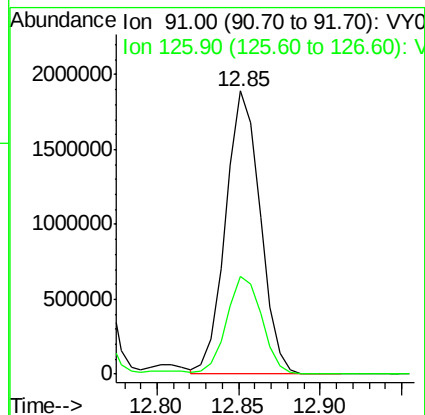
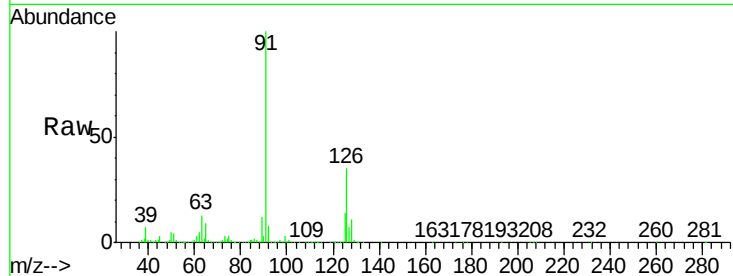
Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3

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#86

p-Isopropyltoluene

Concen: 1.081 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

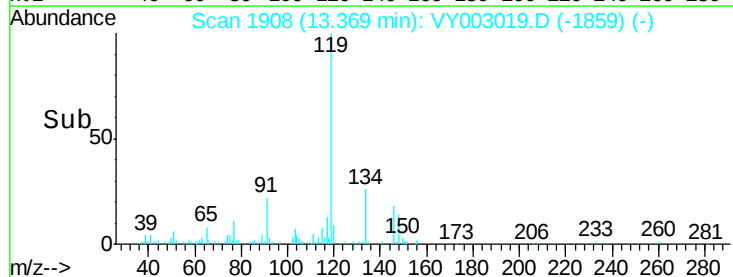
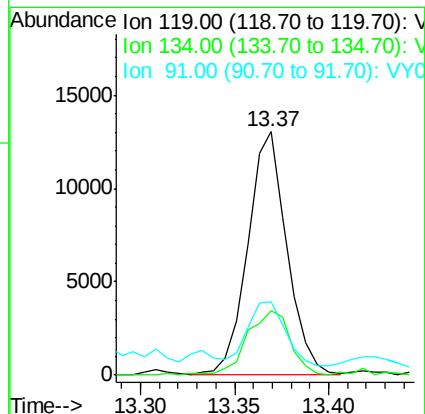
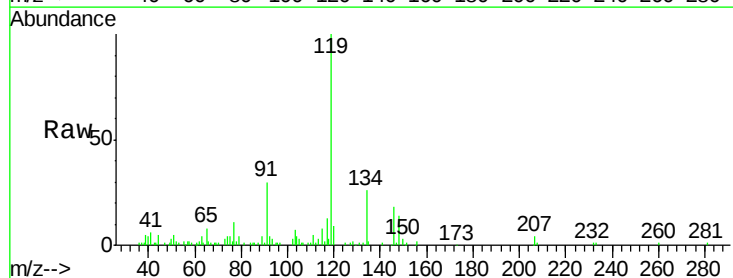
Tgt Ion: 119 Resp: 18775

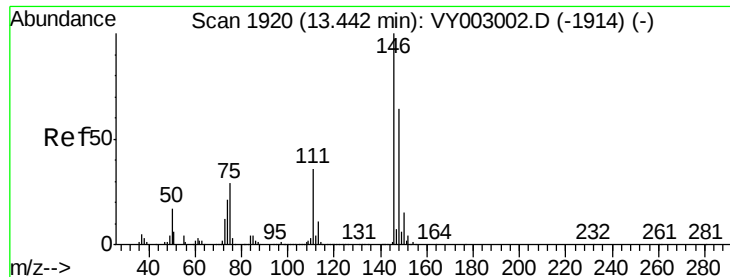
Ion Ratio Lower Upper

119 100

134 29.0 13.5 40.4

91 25.2 11.5 34.5





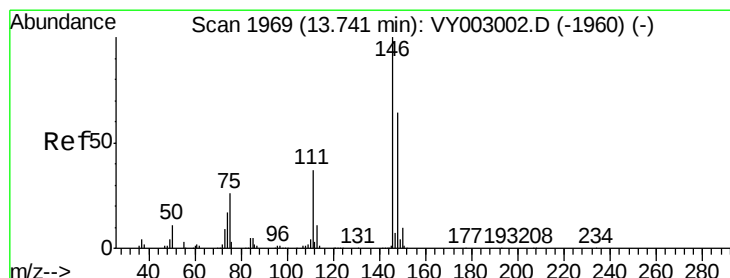
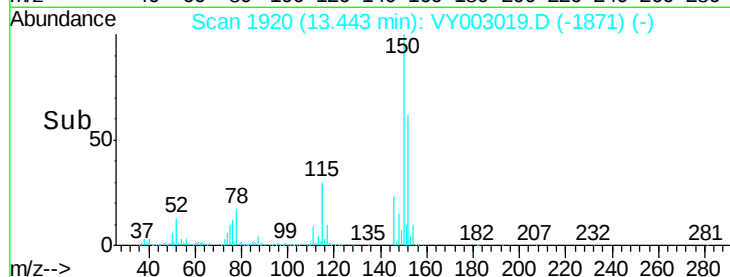
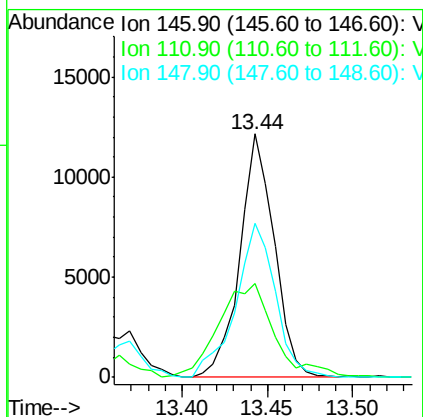
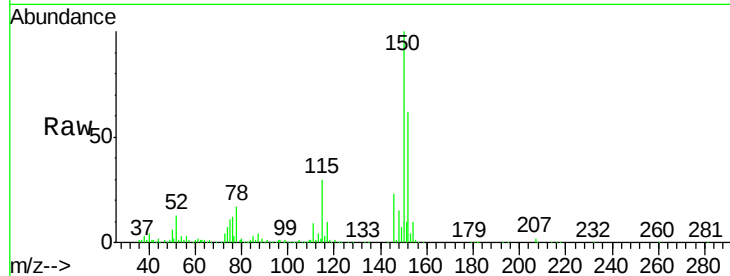
#88
 1,4-Dichlorobenzene
 Concen: 1.978 ug/l m
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

Tot Ion	Ratio	Lower	Upper
146	100		
111	8.6	18.4	55.4#
148	16.1	32.3	96.9#

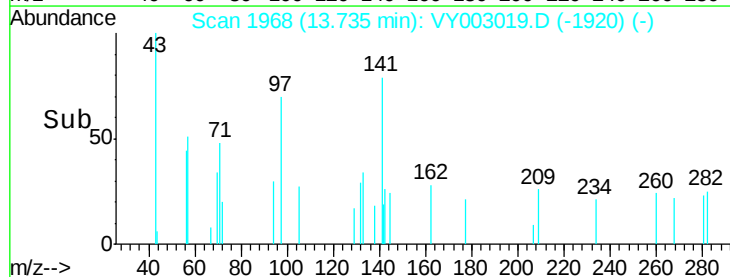
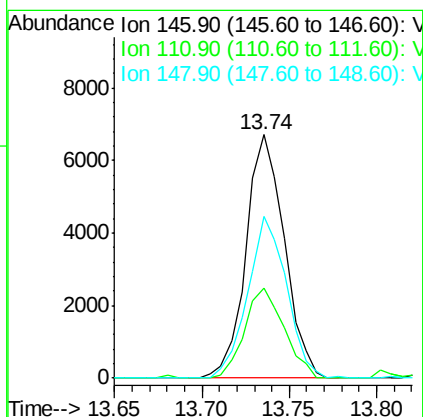
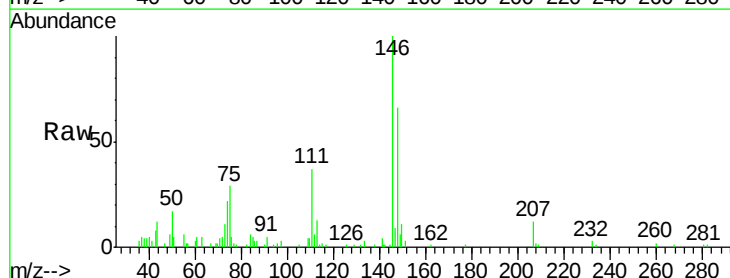
Manual Integrations
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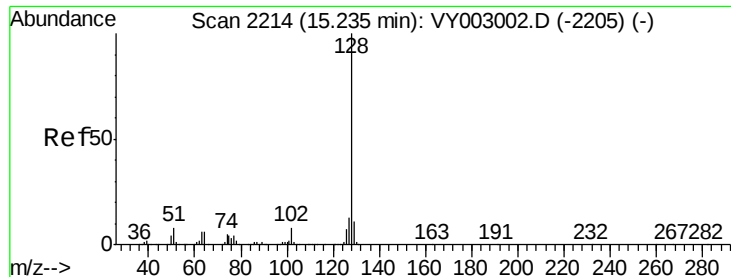
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#91
 1,2-Dichlorobenzene
 Concen: 1.288 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	67.4	31.8	95.3





#95
Naphthalene
Concen: 1.795 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.8	16.2#
129	15.6	8.8	13.2#

Manual Integrations
APPROVED

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