

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002817.D
 Acq On : 02 Jun 2020 15:47
 Operator : SY/MD
 Sample : L2504-03
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 INF-SLUDGE

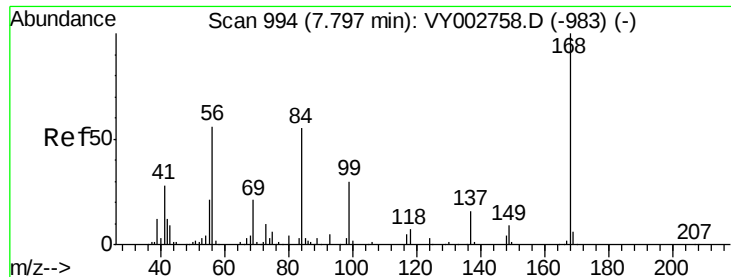
Manual Integrations
 APPROVED

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 6/3/2020 11:31:38 AM

Quant Time: Jun 03 06:39:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	216928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	346474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	150554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	26444	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	111357	59.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.24%	
35) Dibromofluoromethane	7.72	113	126357	62.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.46%	
50) Toluene-d8	10.18	98	333562	40.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.26%	
62) 4-Bromofluorobenzene	12.48	95	32136	11.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	17917	40.567	ug/l #	87
20) Methylene Chloride	4.72	84	15857	7.347	ug/l #	87
21) trans-1,2-Dichloroethene	5.22	96	3987	1.921	ug/l #	76
25) 2-Butanone	6.99	43	10469	15.214	ug/l #	81
27) cis-1,2-Dichloroethene	6.99	96	7680	3.306	ug/l	90
39) Methylcyclohexane	9.18	83	11035	2.868	ug/l #	84
40) Benzene	8.16	78	263308	30.532	ug/l	98
44) Trichloroethene	8.94	130	11519	4.229	ug/l	98
52) Toluene	10.25	92	28791	5.103	ug/l	98
64) Tetrachloroethene	10.72	164	10070	7.359	ug/l	95
65) Chlorobenzene	11.51	112	22522392m	7568.781	ug/l	
67) Ethyl Benzene	11.60	91	57488	11.144	ug/l	98
68) m/p-Xylenes	11.70	106	26995	13.497	ug/l	99
69) o-Xylene	12.03	106	21175	11.214	ug/l	96
73) Isopropylbenzene	12.33	105	40557	23.933	ug/l	98
78) n-propylbenzene	12.67	91	51461	26.289	ug/l	99
79) 2-Chlorotoluene	12.75	91	16364	14.903	ug/l	89
80) 1,3,5-Trimethylbenzene	12.81	105	9633	6.808	ug/l	99
83) tert-Butylbenzene	13.08	119	15594	12.355	ug/l	90
84) 1,2,4-Trimethylbenzene	13.12	105	19739	13.874	ug/l	99
85) sec-Butylbenzene	13.25	105	29047	16.832	ug/l #	54
86) p-Isopropyltoluene	13.37	119	2098m	1.307	ug/l	
87) 1,3-Dichlorobenzene	13.37	146	378271	452.566	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	916403	1096.020	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	1796928	2370.551	ug/l	98

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



#1

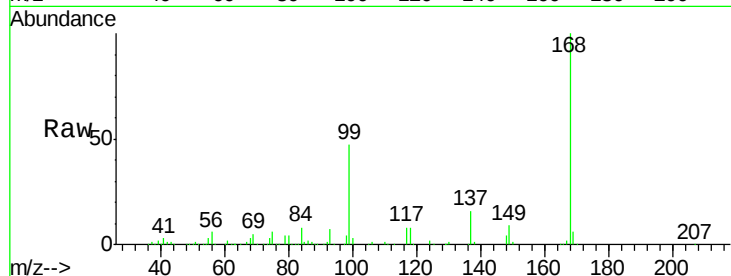
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VY002817.D
 Acq: 02 Jun 2020 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 INF-SLUDGE

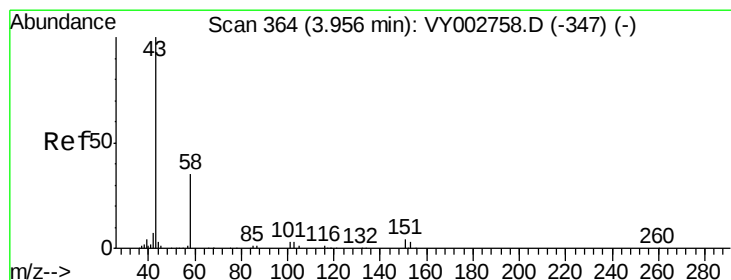
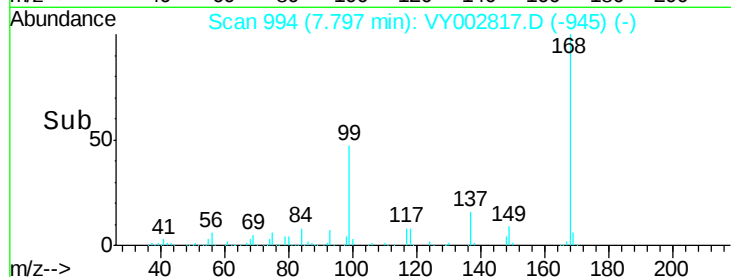
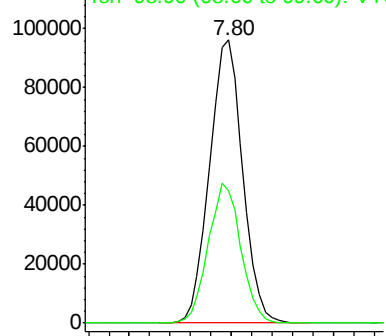
Tot Ion	Ratio	Lower	Upper
168	100		
99	46.8	39.0	58.4

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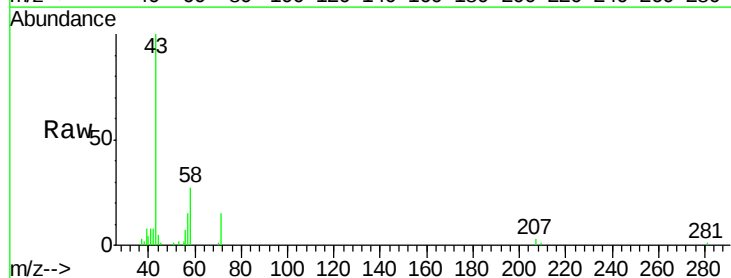
Abundance Ion 167.90 (167.60 to 168.60): VY002817.D (-945) (-)



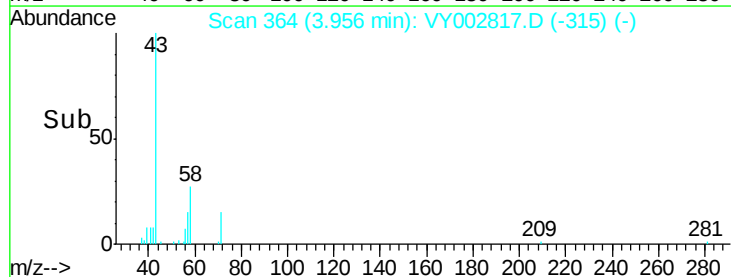
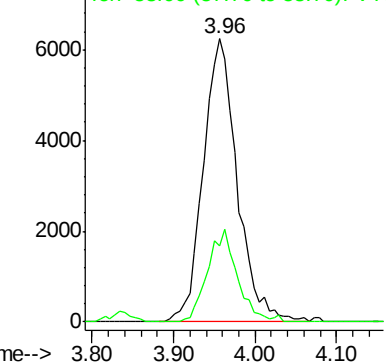
#16

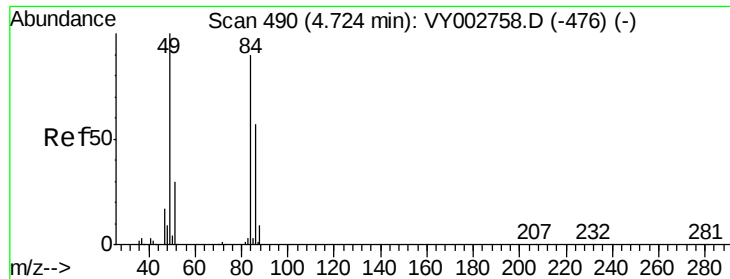
Acetone
 Concen: 40.567 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002817.D
 Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	27.7	41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002817.D (-315) (-)





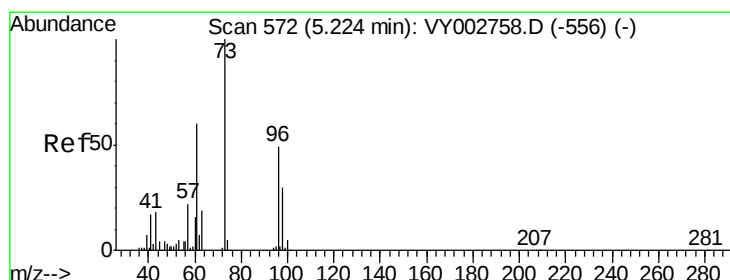
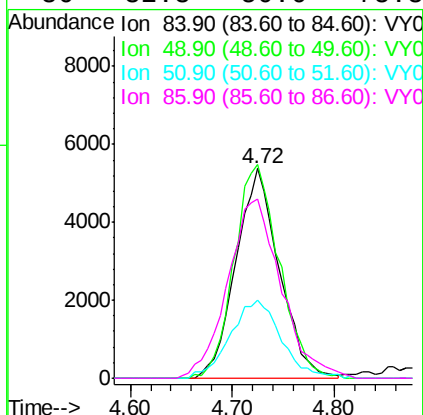
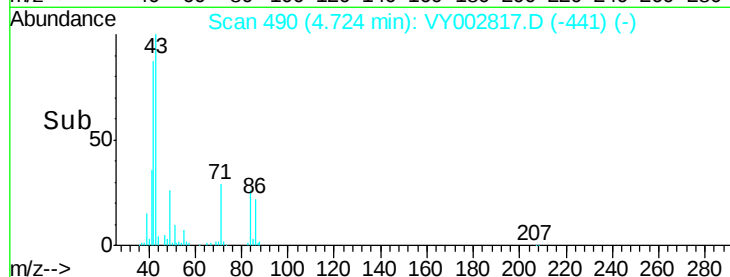
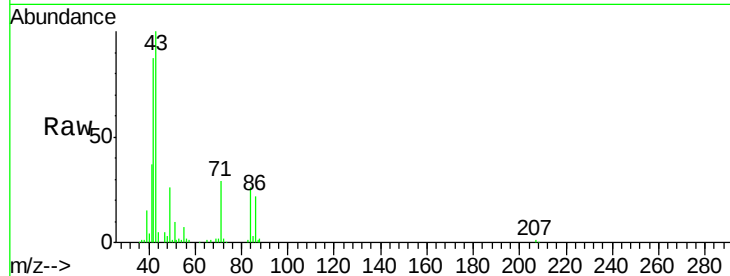
#20
Methvlene Chloride
Concen: 7.347 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :
INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
84	100		
49	101.9	88.5	132.7
51	37.2	26.8	40.2
86	82.8	50.6	75.8#

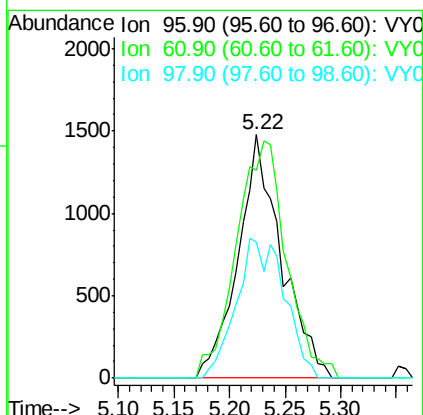
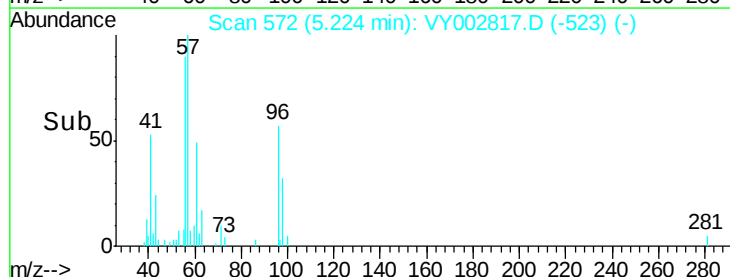
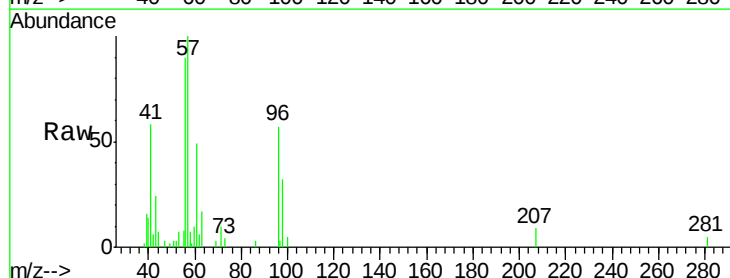
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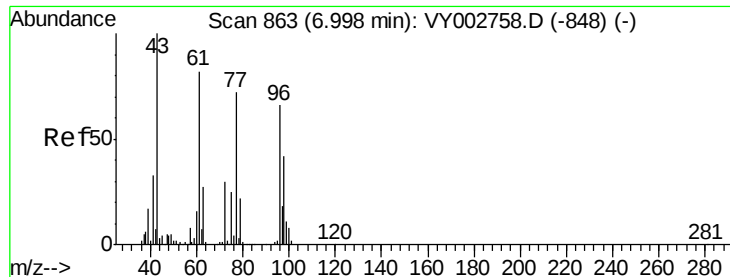
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#21
trans-1,2-Dichloroethene
Concen: 1.921 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	85.3	96.8	145.2#
98	56.0	49.4	74.0





#25

2-Butanone

Concen: 15.214 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion: 43 Resp: 10469

Ion Ratio Lower Upper

43 100

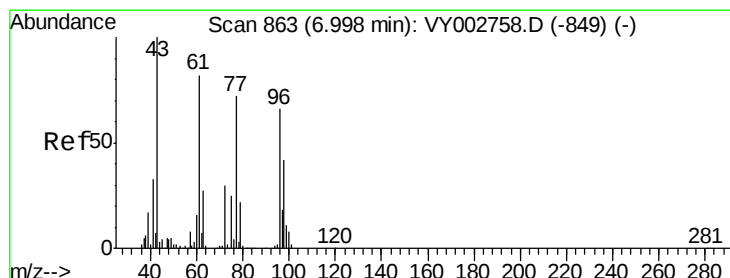
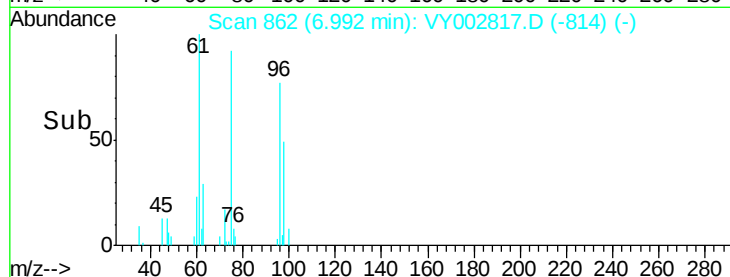
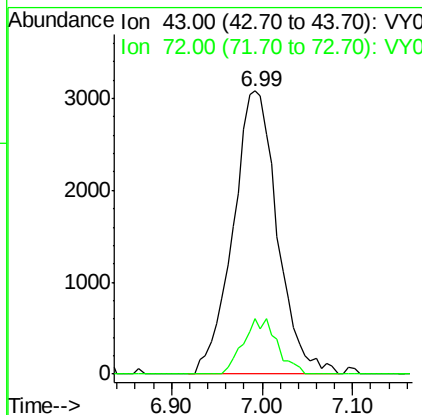
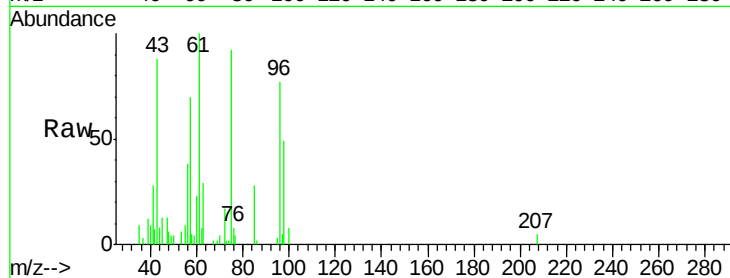
72 19.7 23.9 35.9#

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#27

cis-1,2-Dichloroethene

Concen: 3.306 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

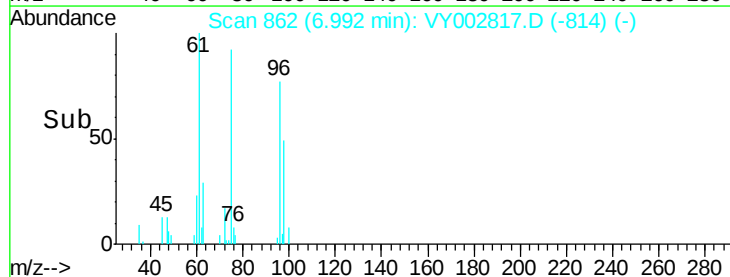
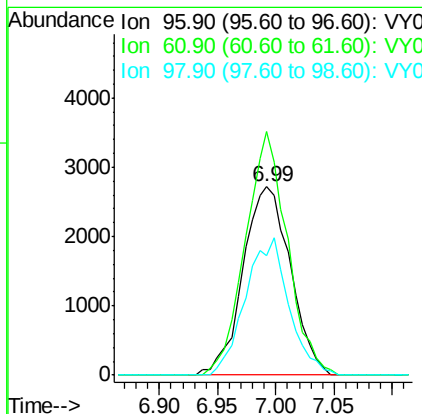
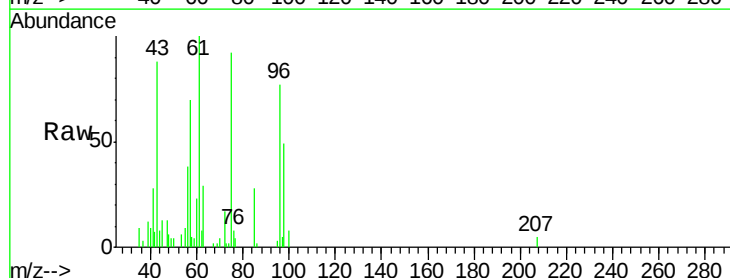
Tgt Ion: 96 Resp: 7680

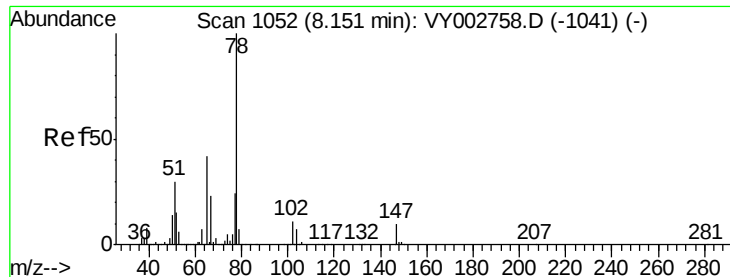
Ion Ratio Lower Upper

96 100

61 114.5 0.0 260.2

98 67.0 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 59.121 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion: 65 Resp: 111357

Ion Ratio Lower Upper

65 100

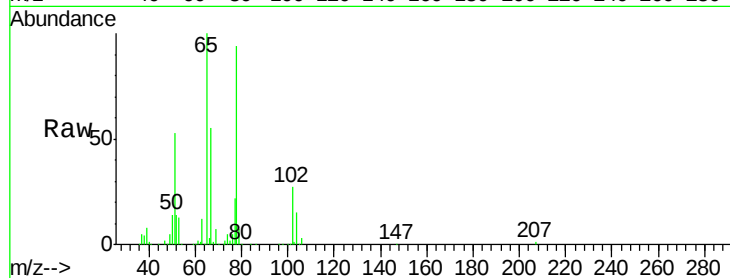
67 54.7 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.14

50000

40000

30000

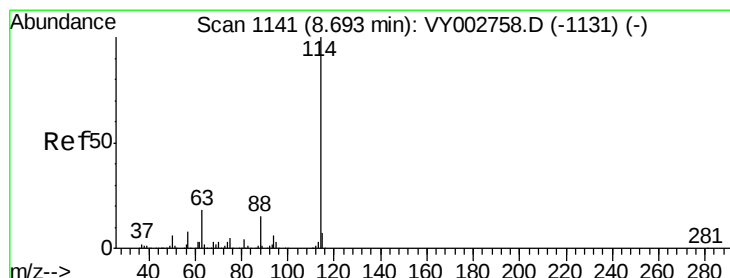
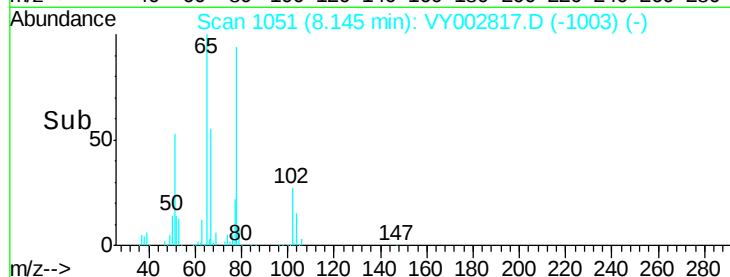
20000

10000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

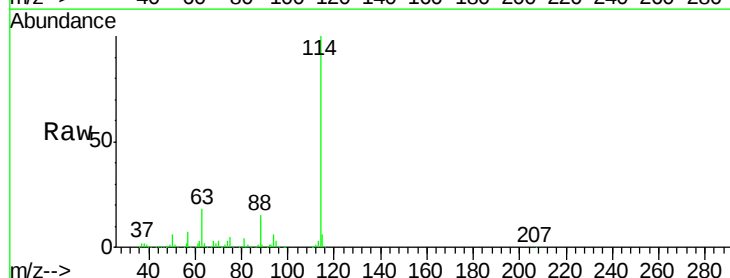
Tgt Ion: 114 Resp: 346474

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.6 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.69

200000

150000

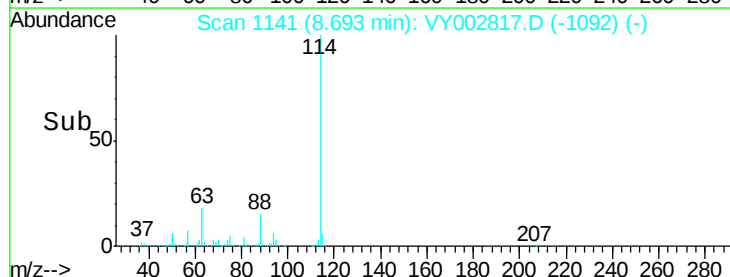
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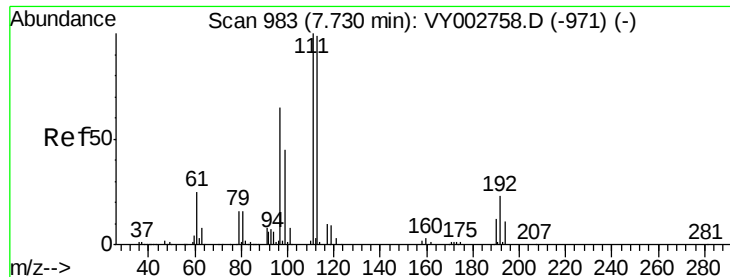
50000

0

8.60 8.70 8.80

Time-->





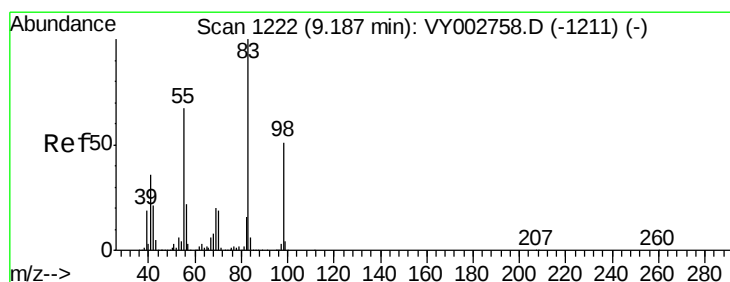
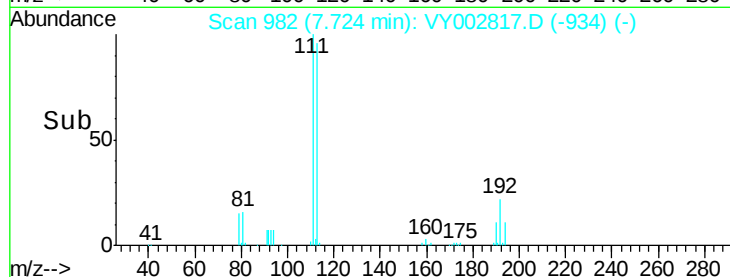
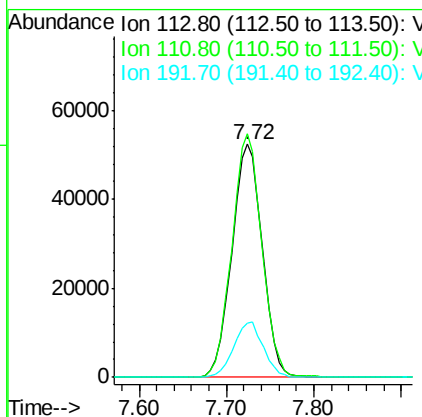
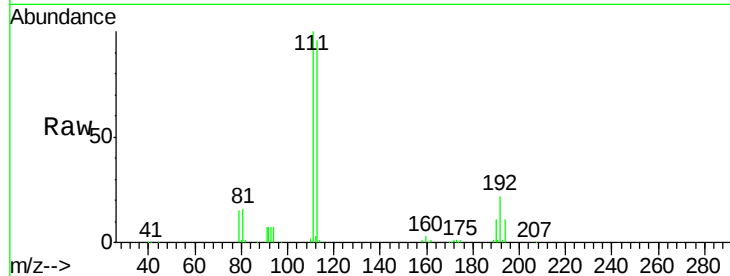
#35
Dibromofluoromethane
Concen: 62.229 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :
INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	23.2	18.9	28.3

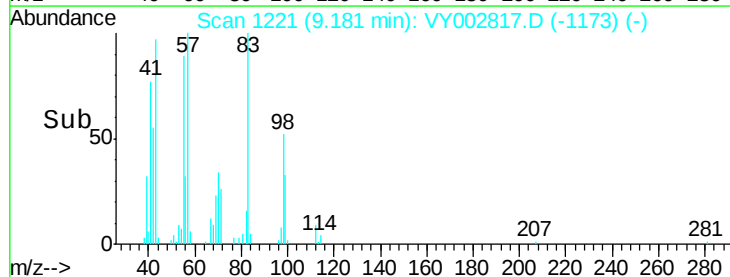
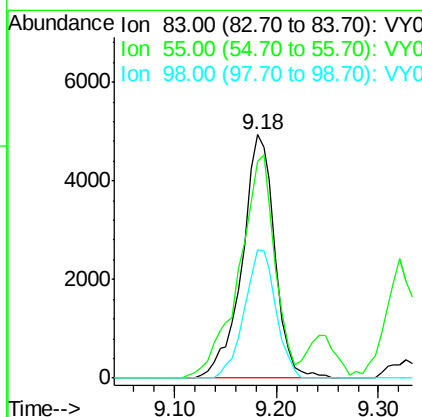
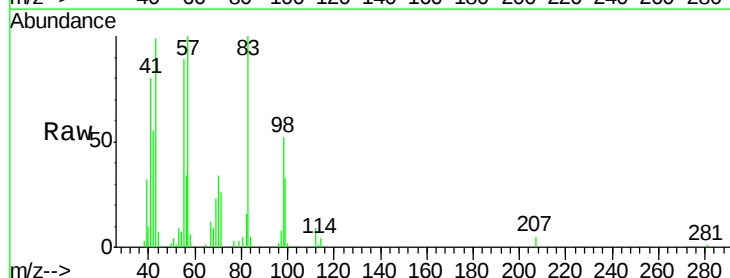
Manual Integrations
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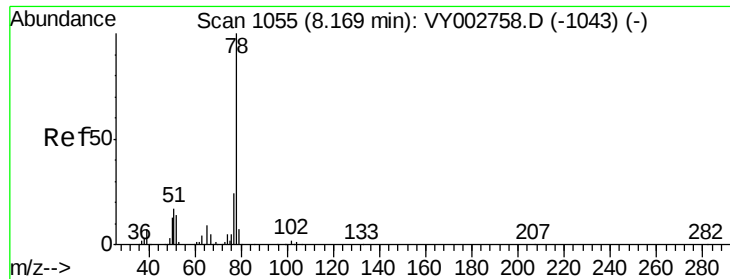
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#39
Methylcyclohexane
Concen: 2.868 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.6	53.3	79.9#
98	52.5	41.1	61.7





#40

Benzene

Concen: 30.532 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion: 78 Resp: 263308

Ion Ratio Lower Upper

78 100

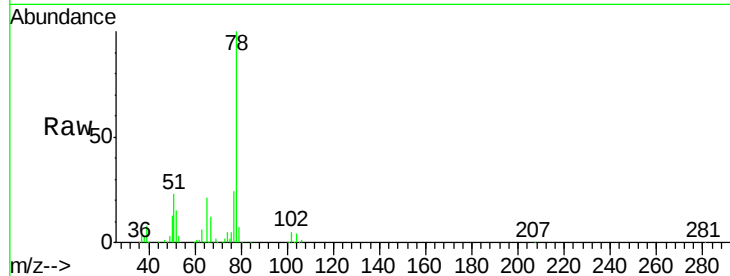
77 24.5 18.8 28.2

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Abundance Ion 78.00 (77.70 to 78.70): VY002817.D (-1054) (-)

Ion 77.00 (76.70 to 77.70): VY002817.D (-1054) (-)

8.16

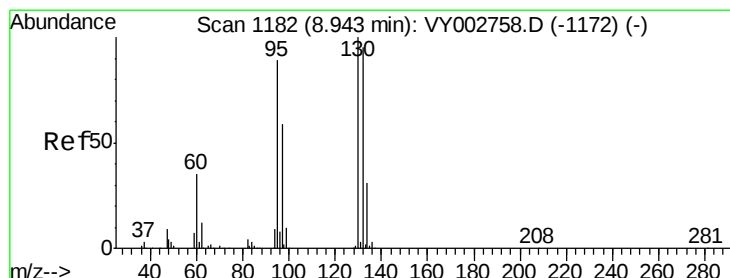
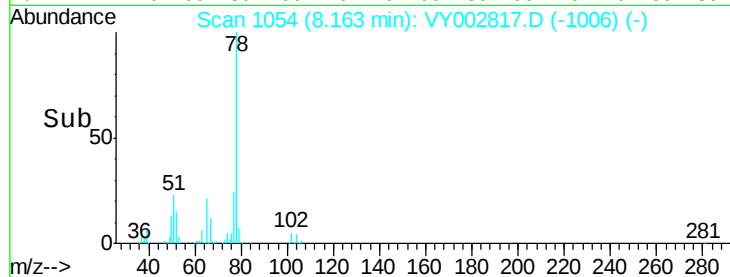
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 4.229 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY002817.D

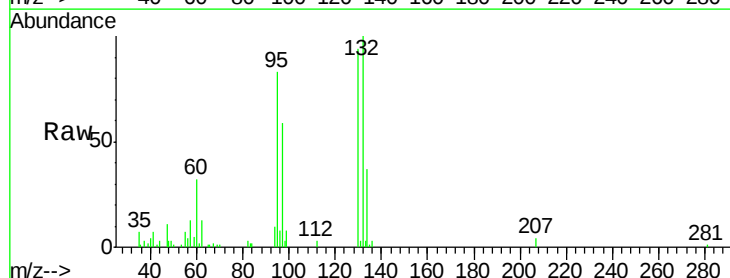
Acq: 02 Jun 2020 15:47

Tgt Ion:130 Resp: 11519

Ion Ratio Lower Upper

130 100

95 87.9 0.0 178.8



Abundance Ion 129.80 (129.50 to 130.50): VY002817.D (-1182) (-)

Ion 94.90 (94.60 to 95.60): VY002817.D (-1182) (-)

8.94

6000

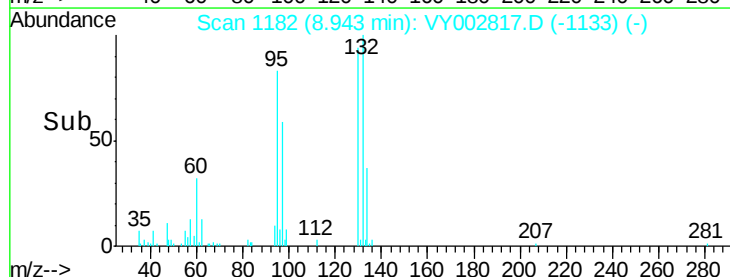
4000

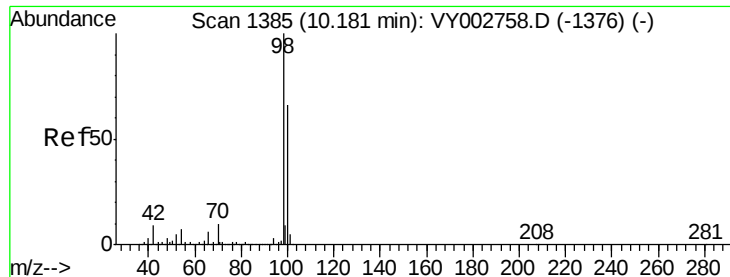
2000

0

8.85 8.90 8.95 9.00

Time-->





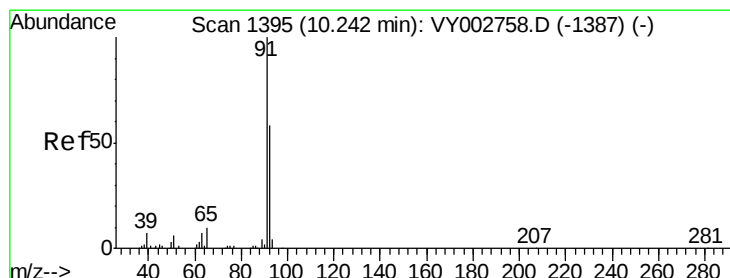
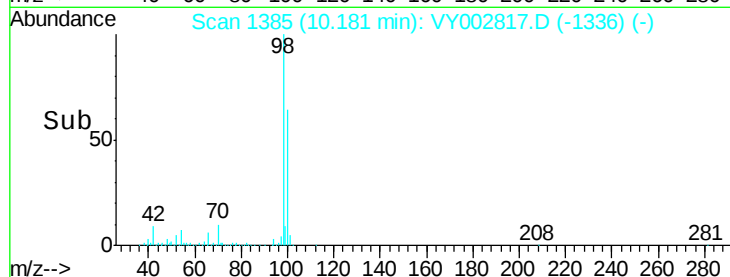
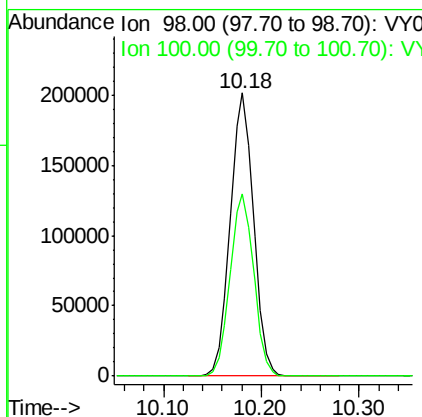
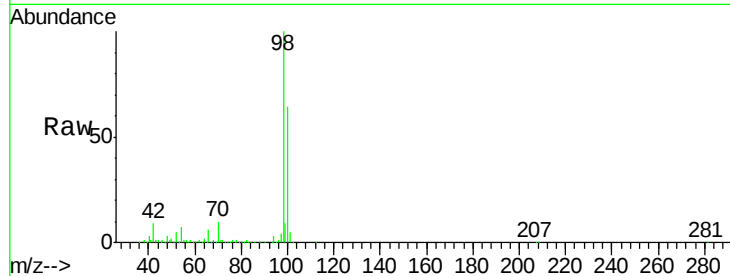
#50
Toluene-d8
Concen: 40.629 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :
INF-SLUDGE

Tot Ion	98	Resp	333562
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2

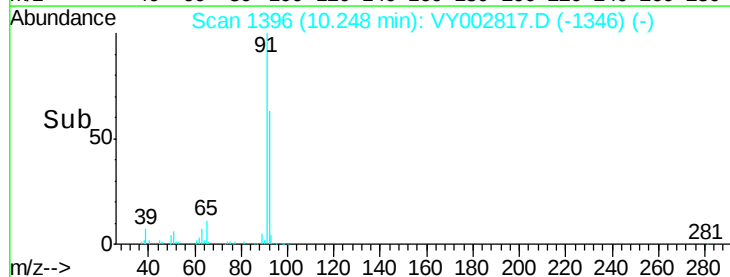
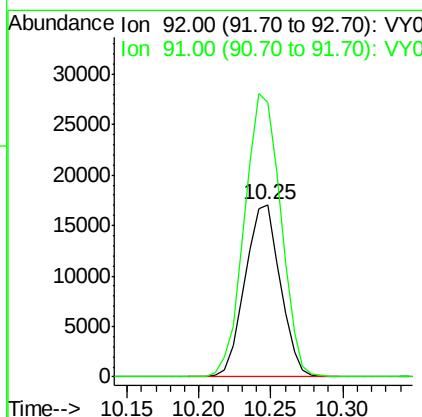
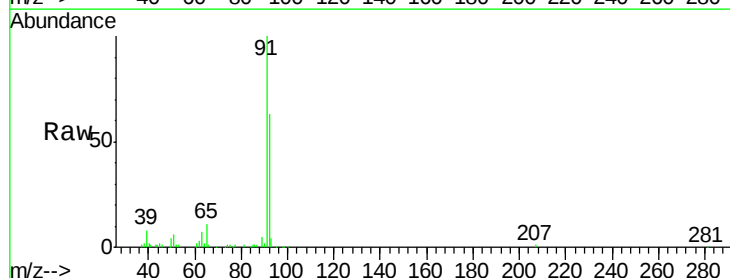
Manual Integrations
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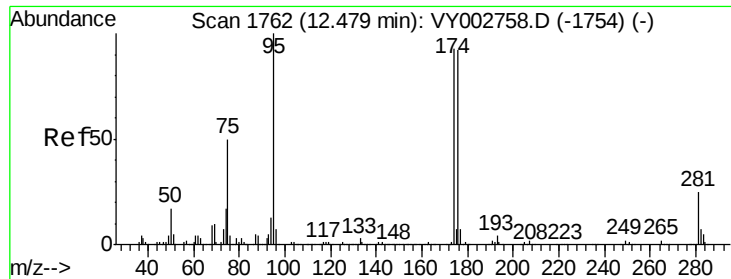
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#52
Toluene
Concen: 5.103 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion	92	Resp	28791
Ion Ratio	Lower	Upper	
92	100		
91	170.0	138.5	207.7





#62

4-Bromofluorobenzene

Concen: 11.454 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

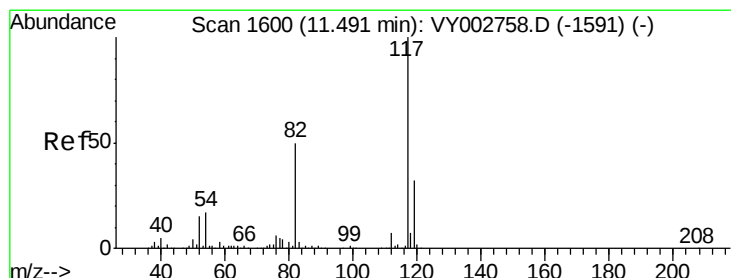
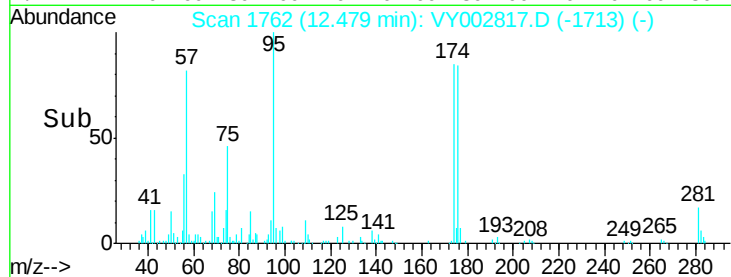
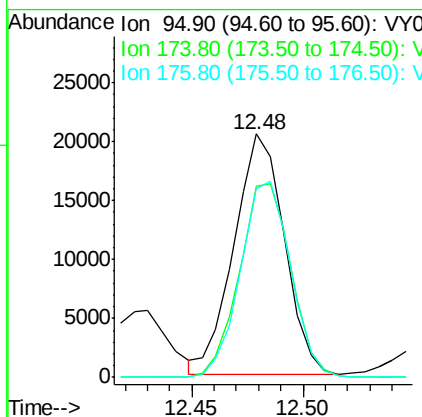
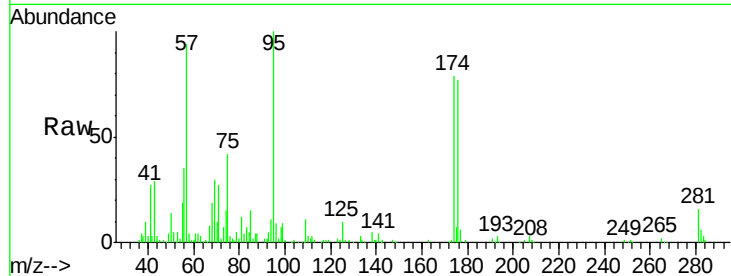
ClientSampled :

INF-SLUDGE

Tot Ion:	95	Resp:	32136
Ion Ratio	Lower	Upper	
95	100		
174	82.8	0.0	191.2
176	80.9	0.0	188.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

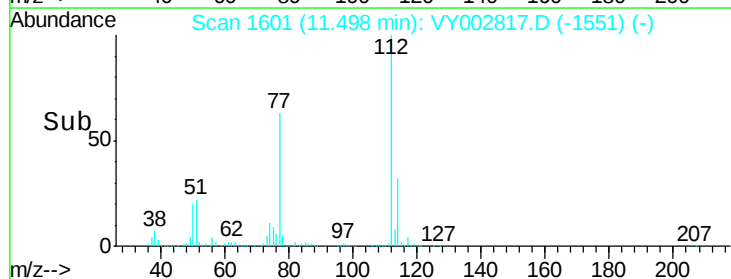
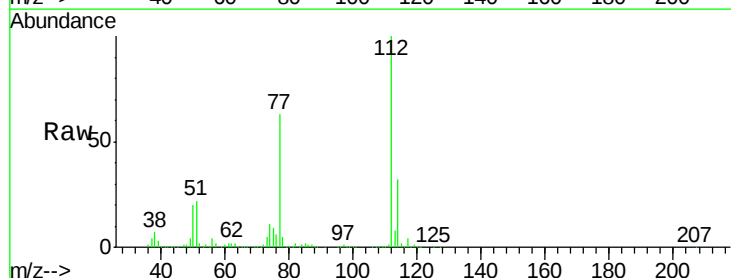
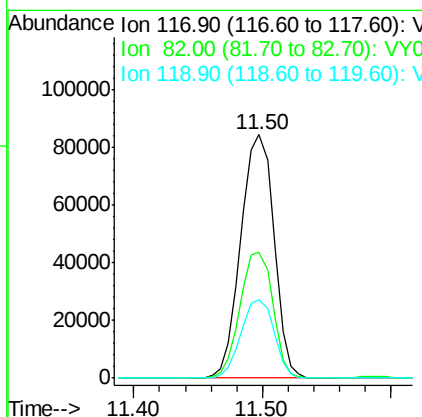
RT: 11.50 min Scan# 1601

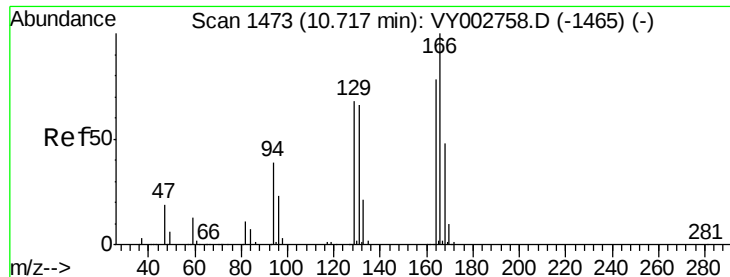
Delta R.T. 0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Tgt Ion:	117	Resp:	150554
Ion Ratio	Lower	Upper	
117	100		
82	51.5	40.2	60.4
119	32.3	25.8	38.8





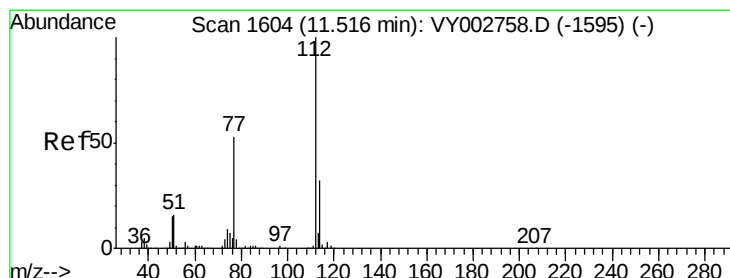
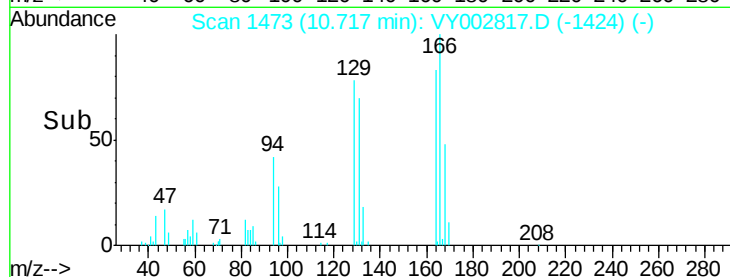
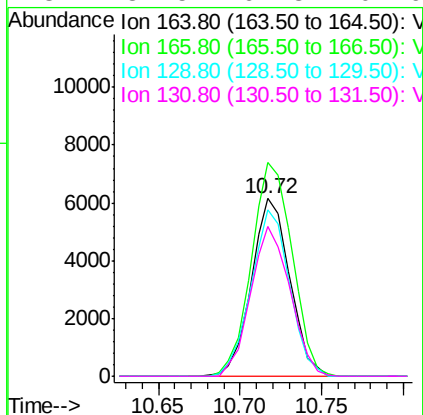
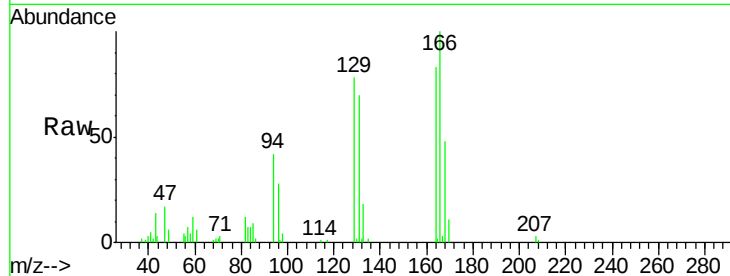
#64
Tetrachloroethene
Concen: 7.359 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :
INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
164	100		
166	120.3	102.3	153.5
129	93.9	69.4	104.2
131	84.5	67.8	101.6

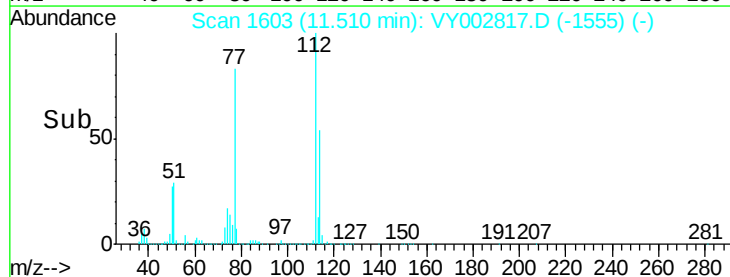
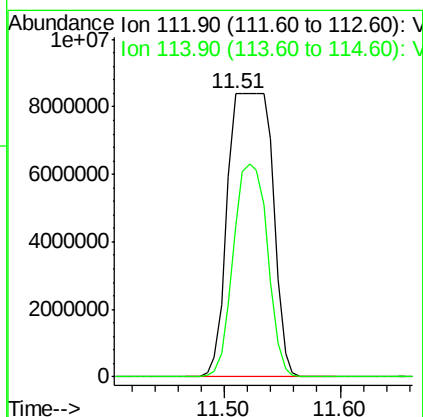
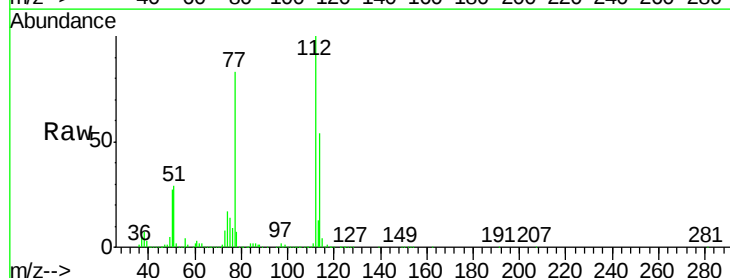
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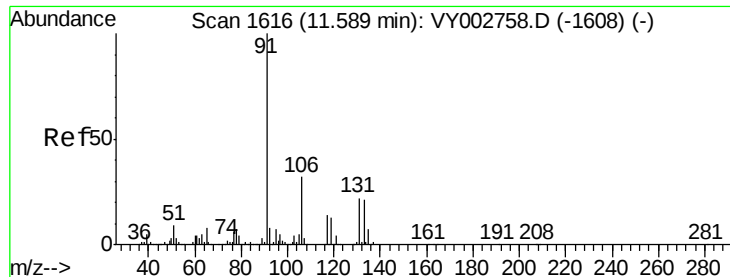
MMDadoda
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#65
Chlorobenzene
Concen: 7568.781 ug/l m
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	53.6	25.7	38.5#





#67

Ethyl Benzene

Concen: 11.144 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion: 91 Resp: 57488

Ion Ratio Lower Upper

91 100

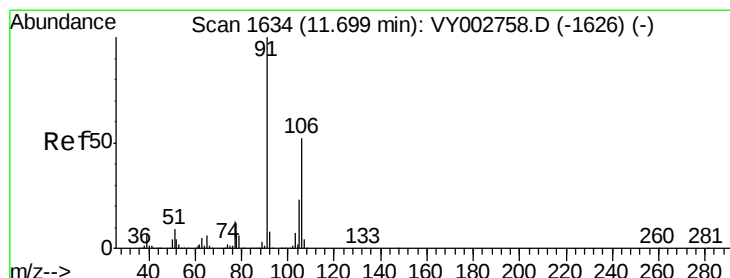
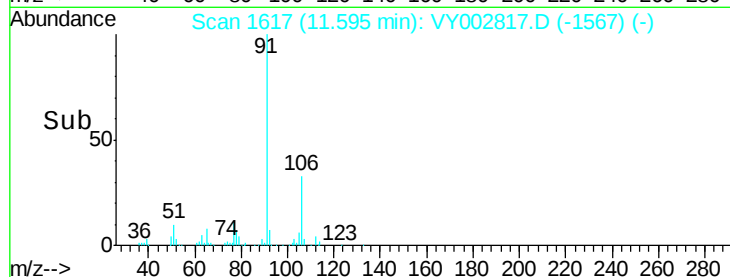
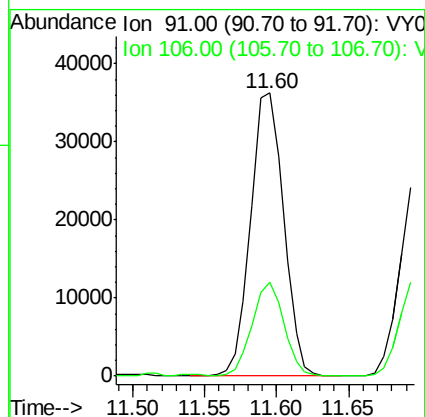
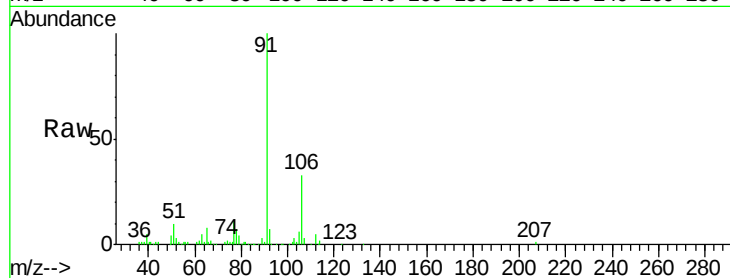
106 33.2 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 13.497 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002817.D

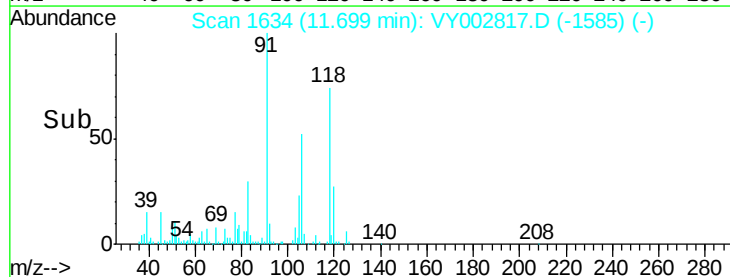
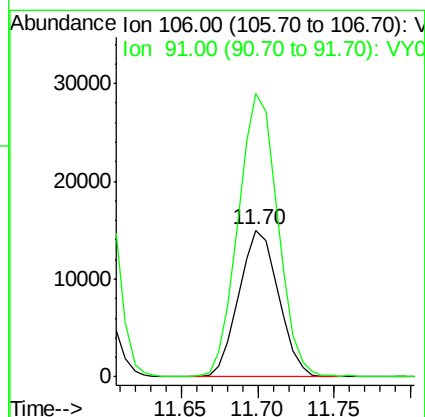
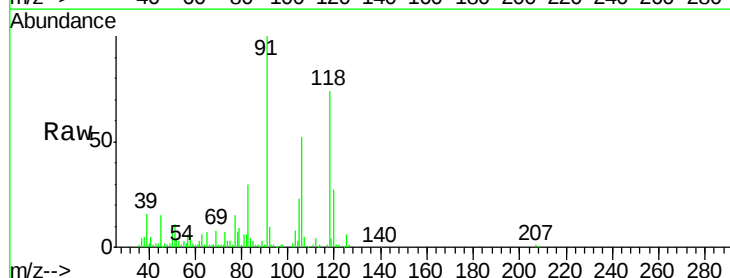
Acq: 02 Jun 2020 15:47

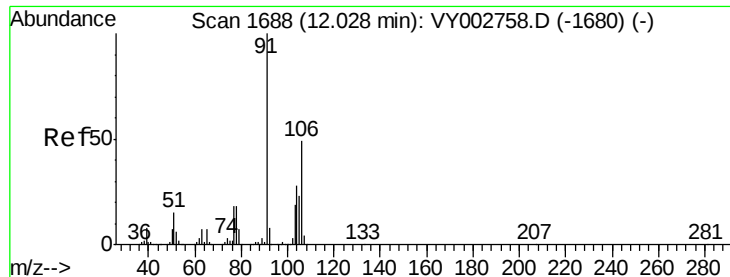
Tgt Ion: 106 Resp: 26995

Ion Ratio Lower Upper

106 100

91 193.3 156.0 234.0





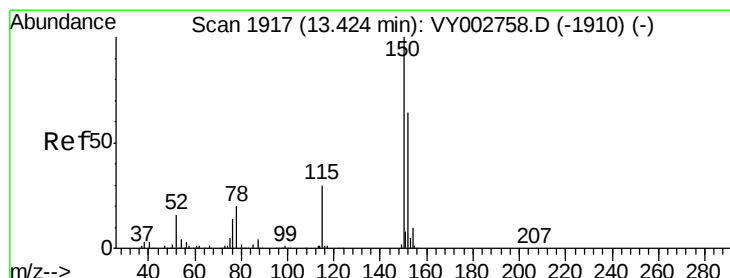
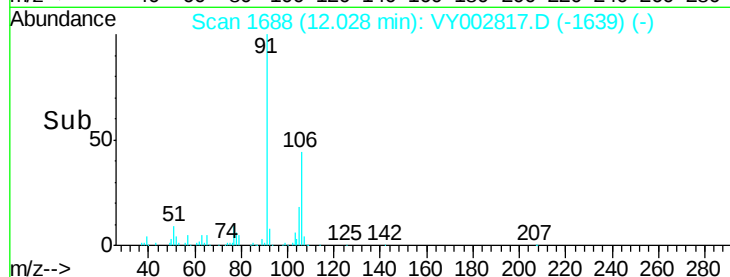
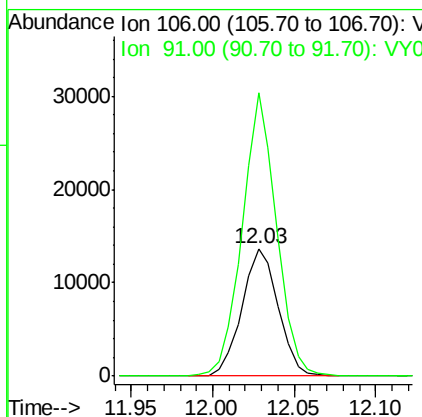
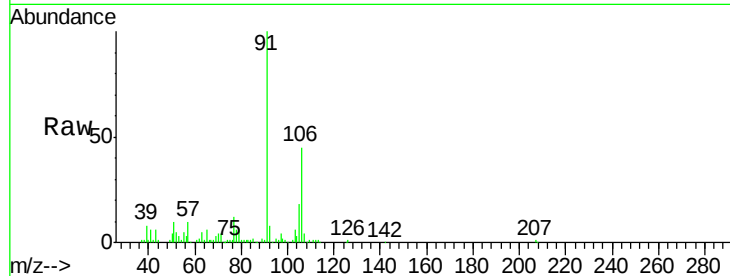
#69
o-Xylene
Concen: 11.214 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampled :
INF-SLUDGE

Tot Ion:106 Resp: 21175
Ion Ratio Lower Upper
106 100
91 210.6 102.4 307.1

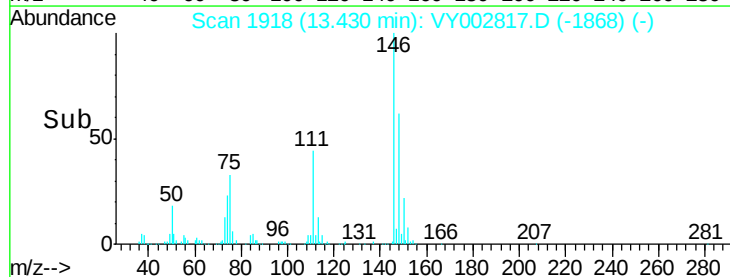
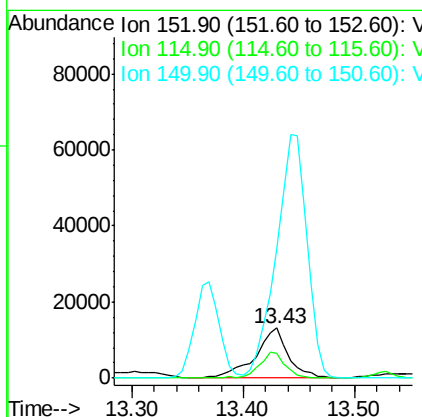
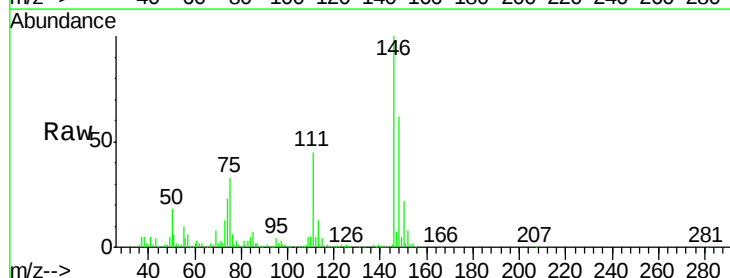
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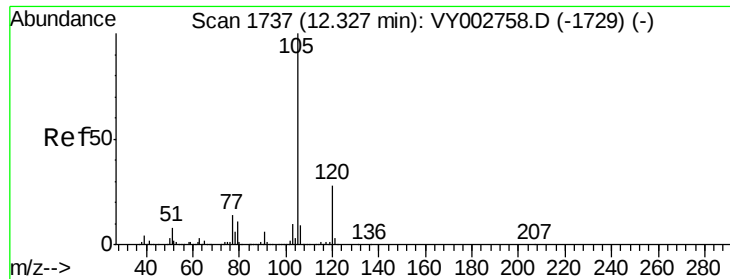
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion:152 Resp: 26444
Ion Ratio Lower Upper
152 100
115 44.1 27.0 81.0
150 465.7 0.0 344.8#





#73

Isopropylbenzene

Concen: 23.933 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion:105 Resp: 40557

Ion Ratio Lower Upper

105 100

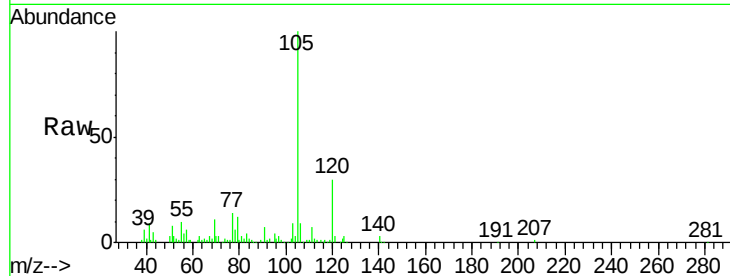
120 28.4 13.7 41.1

Manual Integrations

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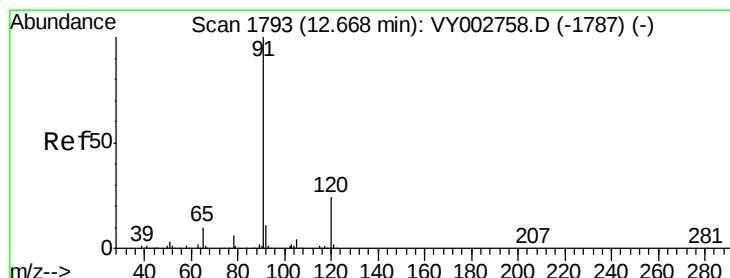
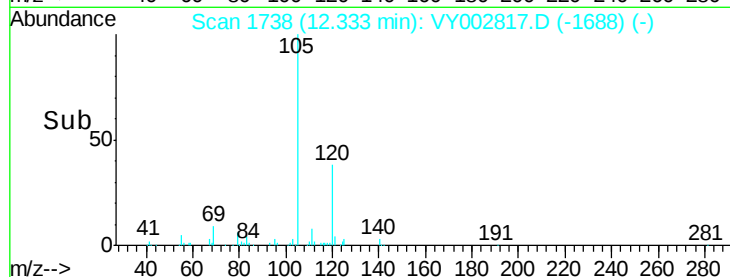


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

Time-->



#78

n-propylbenzene

Concen: 26.289 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002817.D

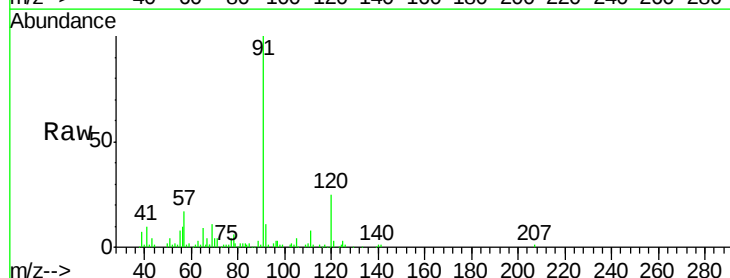
Acq: 02 Jun 2020 15:47

Tgt Ion: 91 Resp: 51461

Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9

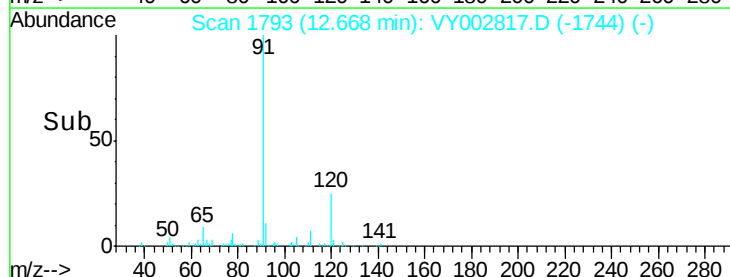


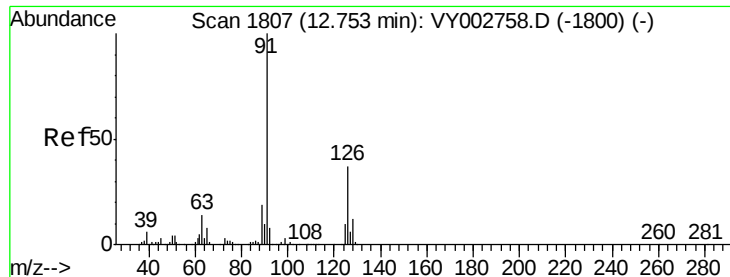
Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

Time-->





#79

2-Chlorotoluene

Concen: 14.903 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampleId :

INF-SLUDGE

Tot Ion: 91 Resp: 16364

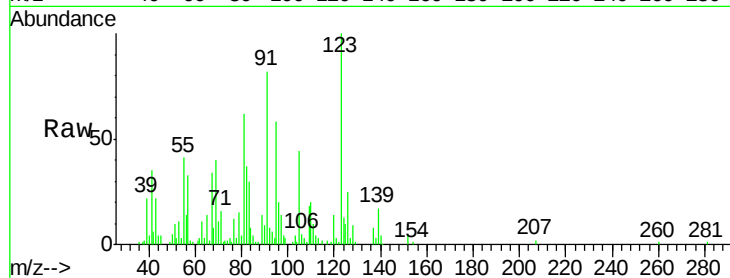
Ion Ratio Lower Upper

91 100

126 30.6 18.4 55.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002817.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002817.D (-1758) (-)

40000

30000

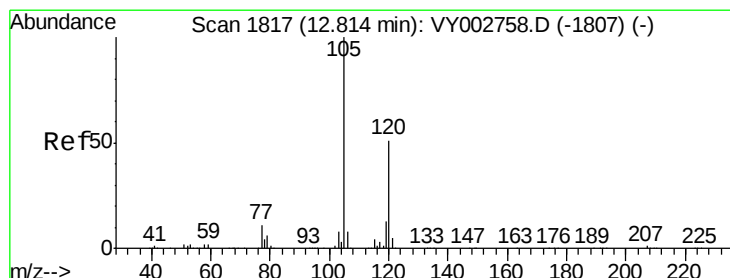
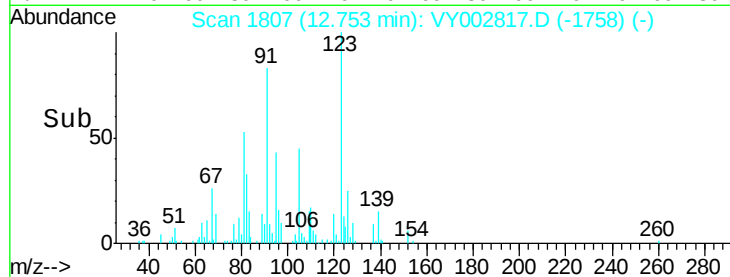
20000

10000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.808 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002817.D

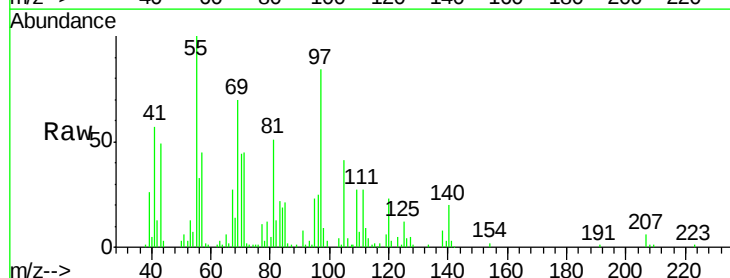
Acq: 02 Jun 2020 15:47

Tgt Ion: 105 Resp: 9633

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002817.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002817.D (-1768) (-)

8000

6000

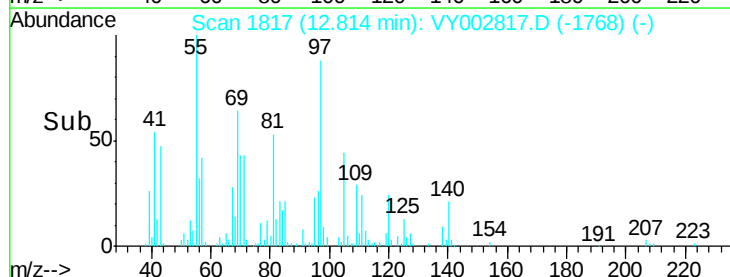
4000

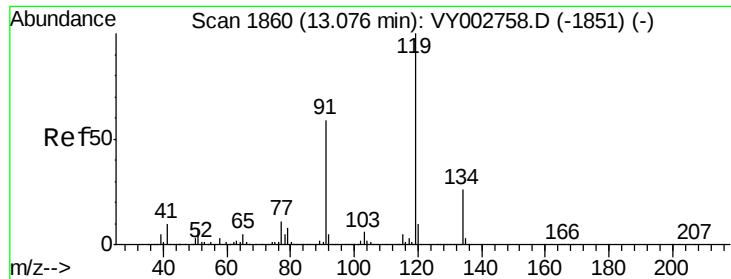
2000

0

12.80 12.85

Time-->





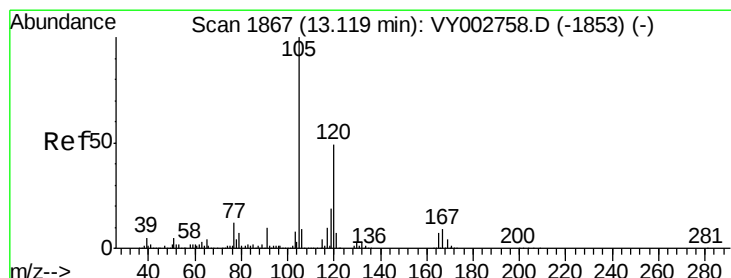
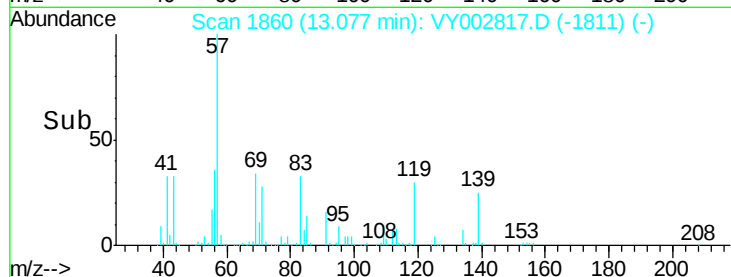
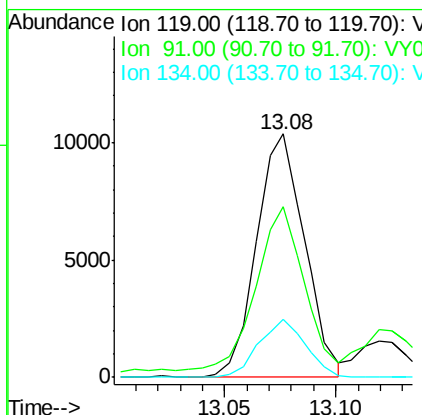
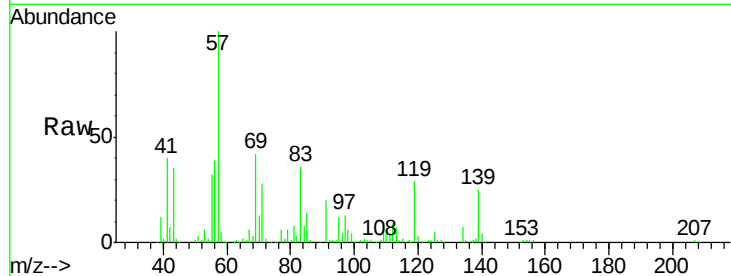
#83
tert-Butylbenzene
Concen: 12.355 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :
INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	29.8	89.4
134	22.9	13.3	39.8

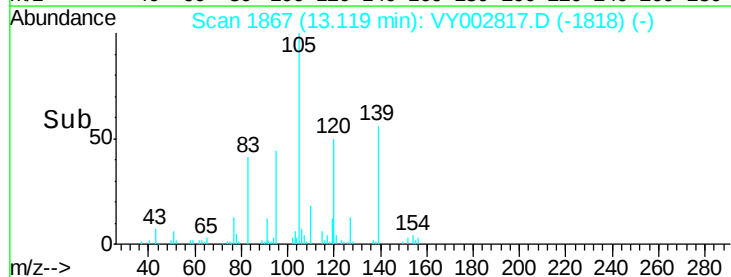
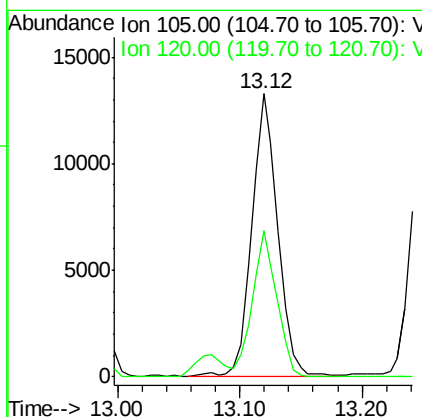
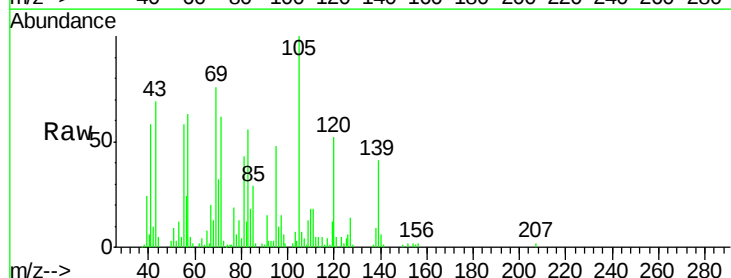
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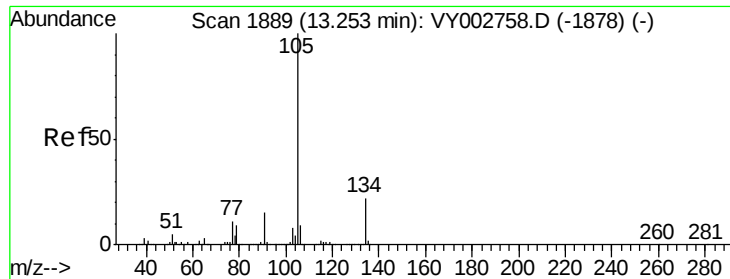
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#84
1,2,4-Trimethylbenzene
Concen: 13.874 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002817.D
Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.6	70.8





#85

sec-Butylbenzene

Concen: 16.832 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

Instrument :

MSVOA_Y

ClientSampled :

INF-SLUDGE

Tot Ion:105 Resp: 29047

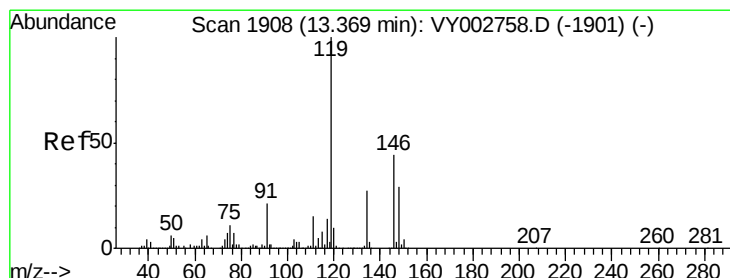
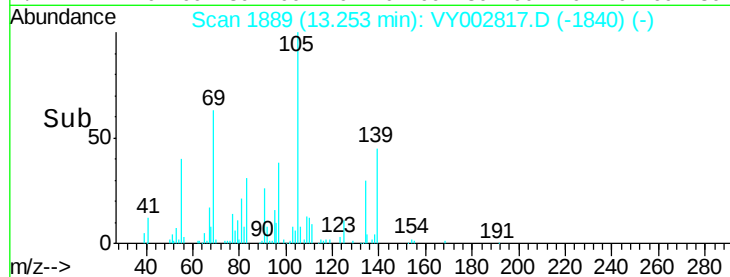
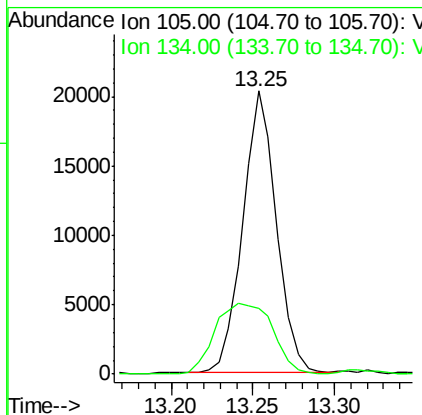
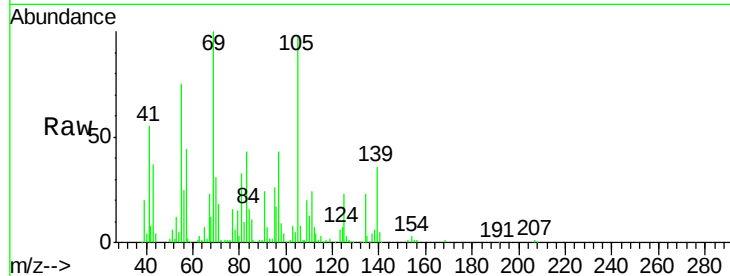
Ion Ratio Lower Upper

105 100

134 43.2 10.8 32.4#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 1.307 ug/l m

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002817.D

Acq: 02 Jun 2020 15:47

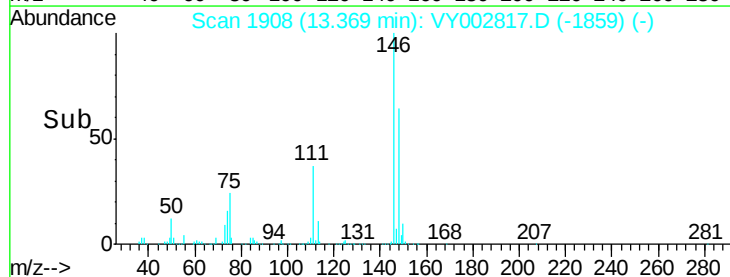
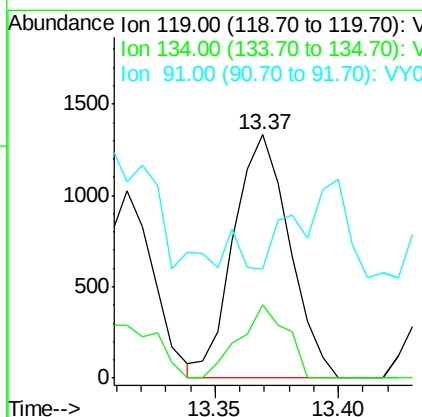
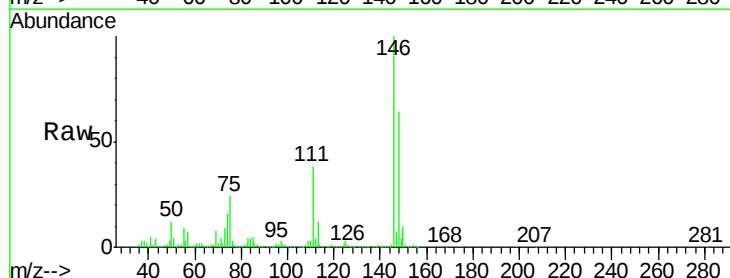
Tgt Ion:119 Resp: 2098

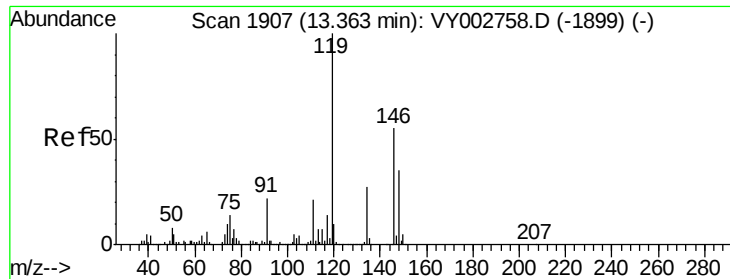
Ion Ratio Lower Upper

119 100

134 345.9 13.7 41.0#

91 310.9 10.8 32.4#





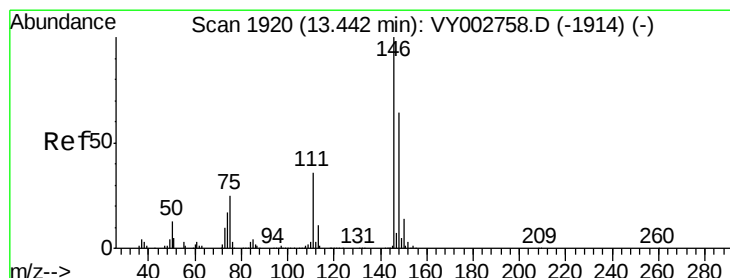
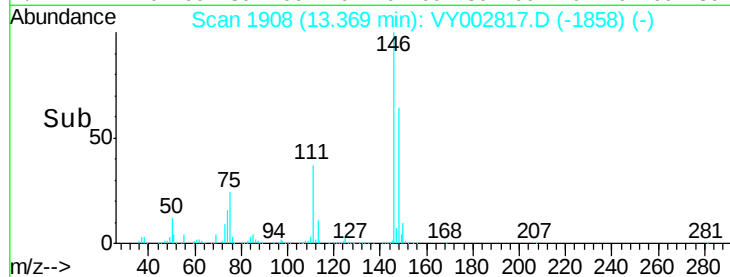
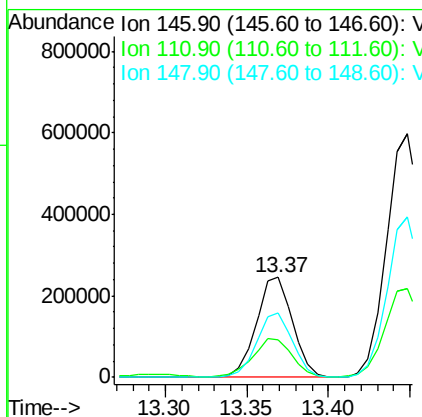
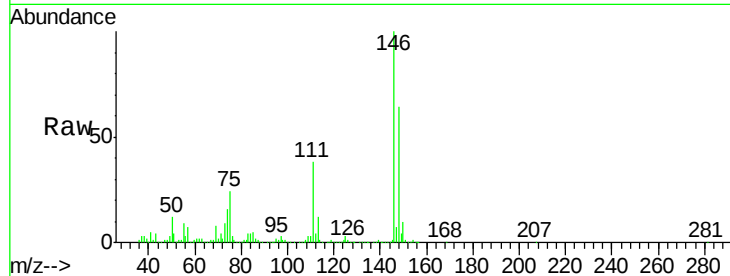
#87
 1,3-Dichlorobenzene
 Concen: 452.566 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002817.D
 Acq: 02 Jun 2020 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.4	55.0
148	63.9	31.9	95.7

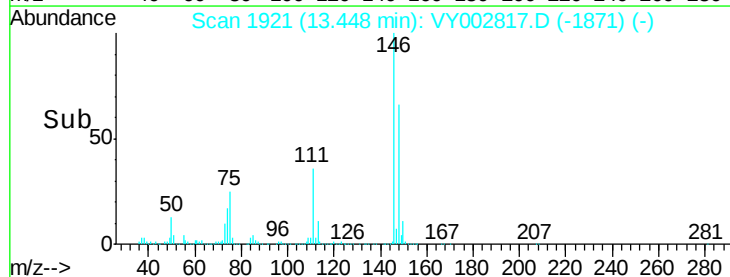
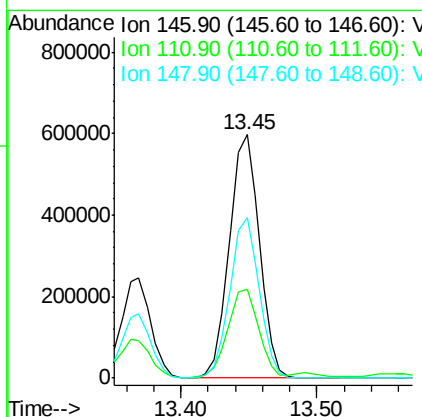
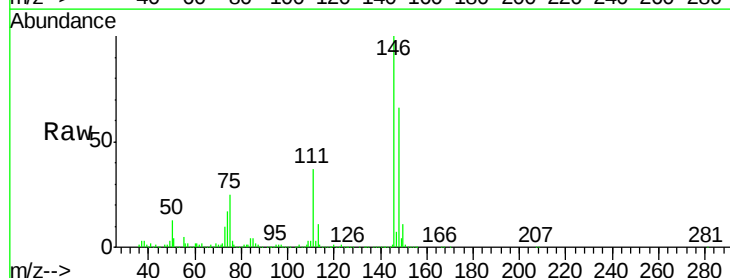
Manual Integrations
 APPROVED

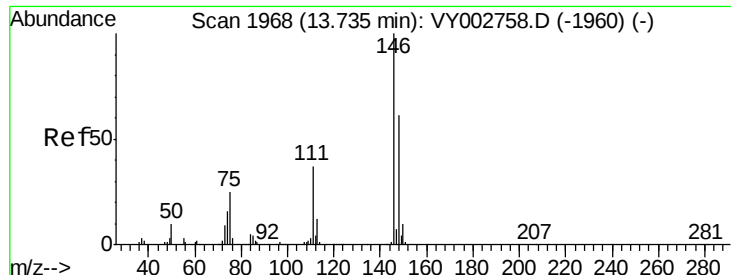
MMDadoda
 6/3/2020 11:31:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 1096.020 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002817.D
 Acq: 02 Jun 2020 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.3
148	64.4	32.1	96.3





#91
 1,2-Dichlorobenzene
 Concen: 2370.551 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002817.D
 Acq: 02 Jun 2020 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 INF-SLUDGE

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.9	56.9
148	64.5	31.9	95.5

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:31:38 AM

