

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001705.D
 Acq On : 19 Feb 2020 17:36
 Operator : SY/MD
 Sample : L1589-02
 Misc : 7.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB4-4.5-5.0

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:56:16 PM

Quant Time: Feb 20 06:21:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	202805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	370355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	330565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	146707	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	111946	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.74	113	108097	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.19	98	445106	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.49	95	155196	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.20	83	23404	4.987	ug/l	91
52) Toluene	10.25	92	73641	11.347	ug/l	99
67) Ethyl Benzene	11.60	91	104851	8.561	ug/l	98
68) m/p-Xylenes	11.70	106	110712	24.199	ug/l	100
69) o-Xylene	12.03	106	43270	9.948	ug/l	99
73) Isopropylbenzene	12.34	105	37706	3.374	ug/l	99
78) n-propylbenzene	12.67	91	80501	5.914	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	33756	3.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	139116	15.083	ug/l	100
85) sec-Butylbenzene	13.26	105	44037	3.870	ug/l	94
86) p-Isopropyltoluene	13.38	119	18582	1.880	ug/l	97
89) n-Butylbenzene	13.70	91	26544m	2.628	ug/l	
95) Naphthalene	15.24	128	36118	5.451	ug/l	95

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

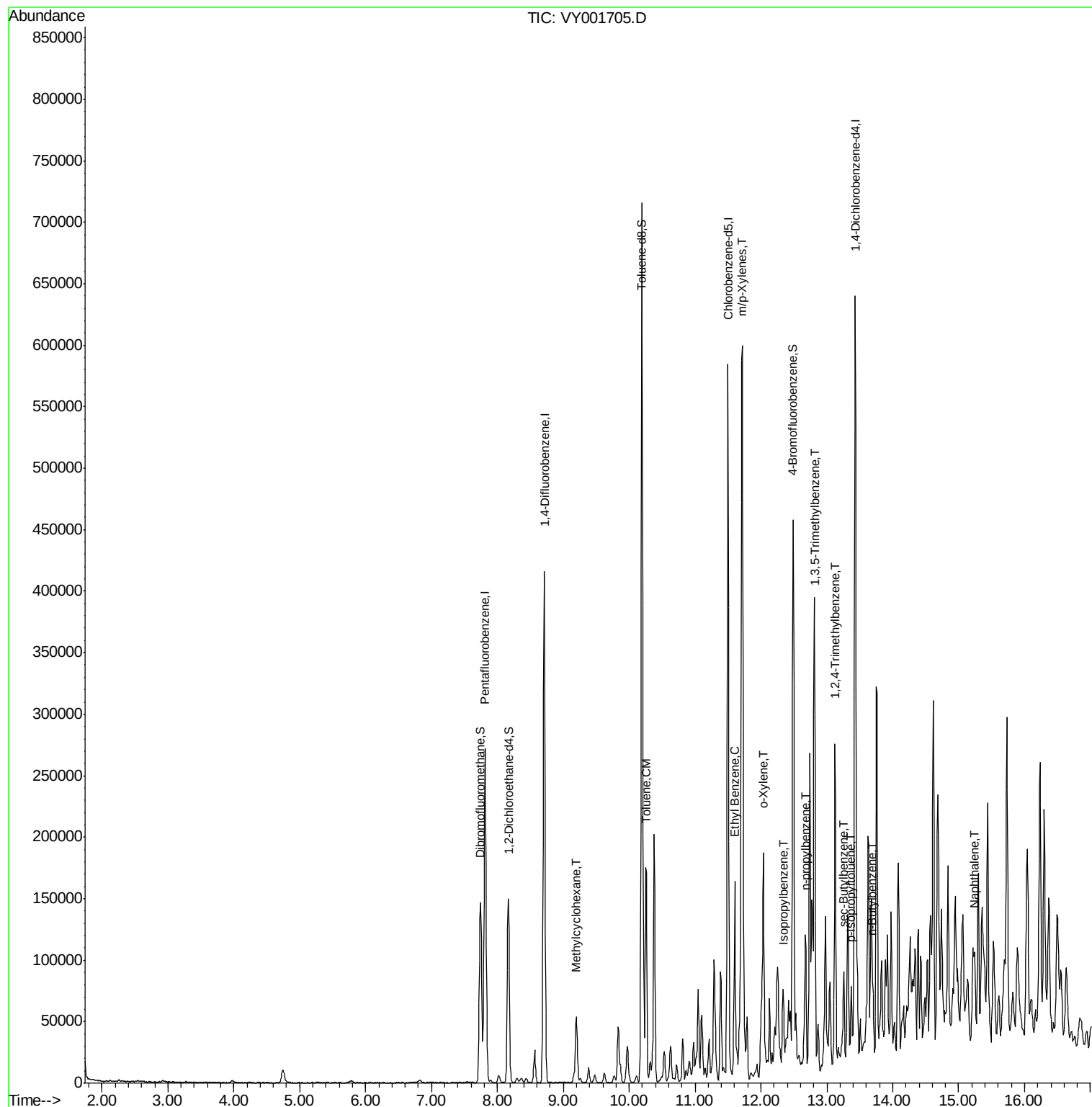
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
Data File : VY001705.D
Acq On : 19 Feb 2020 17:36
Operator : SY/MD
Sample : L1589-02
Misc : 7.54G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

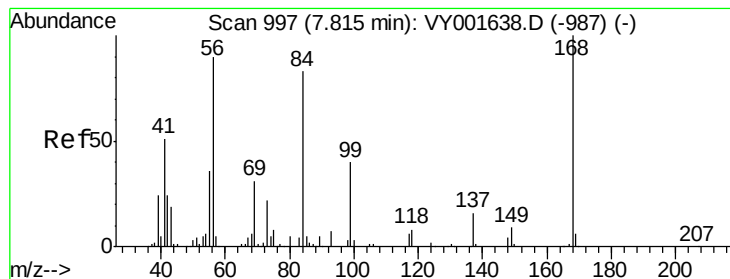
Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Manual Integrations
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Quant Time: Feb 20 06:21:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

Instrument :

MSVOA_Y

ClientSampleId :

SB4-4.5-5.0

Tot Ion:168 Resp: 202805

Ion Ratio Lower Upper

168 100

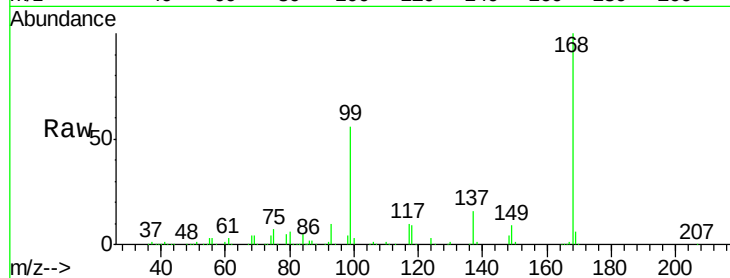
99 56.4 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001705.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001705.D (-948) (-)

7.82

100000

80000

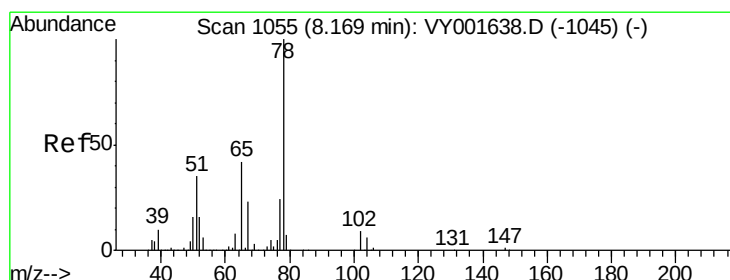
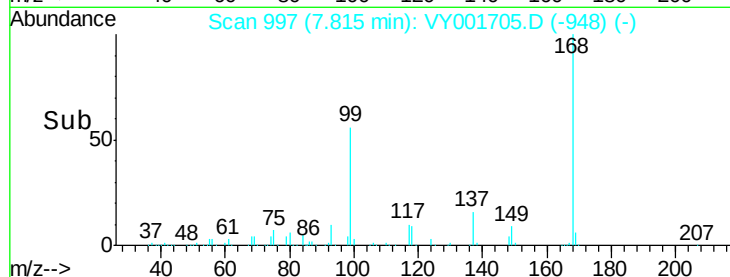
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.317 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001705.D

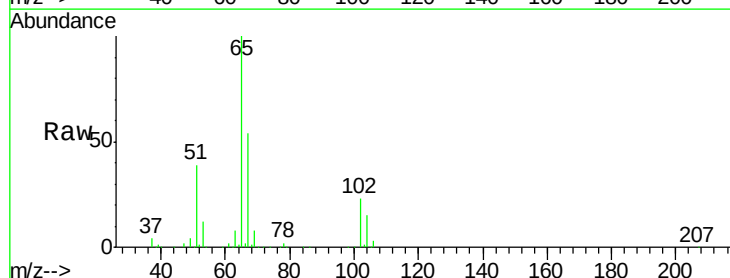
Acq: 19 Feb 2020 17:36

Tgt Ion: 65 Resp: 111946

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY001705.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001705.D (-1006) (-)

8.16

60000

50000

40000

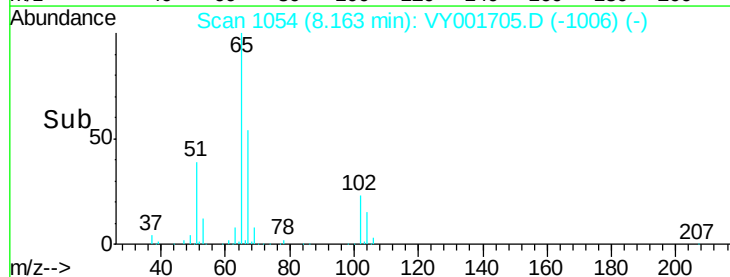
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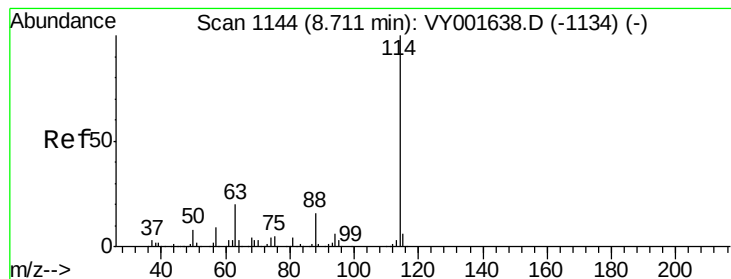
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

Instrument :

MSVOA_Y

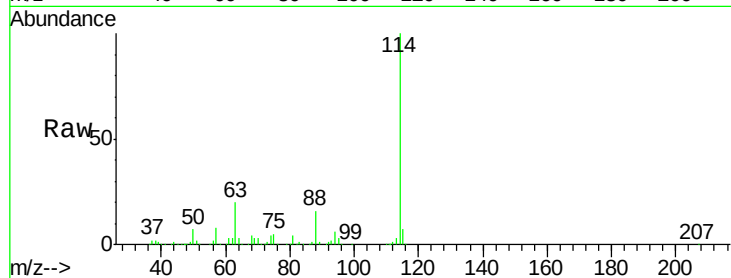
ClientSampleId :

SB4-4.5-5.0

Tot Ion	Ratio	Resp	Lower	Upper
114	100	370355		
63	19.6		0.0	41.4
88	15.8		0.0	32.8

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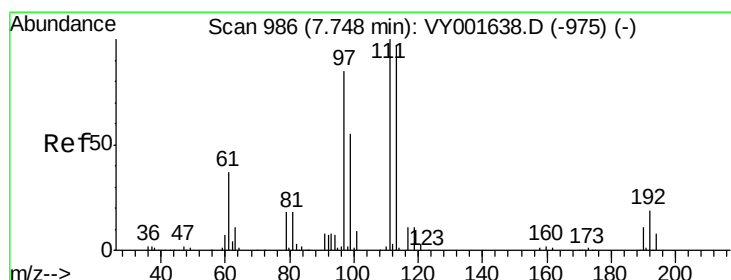
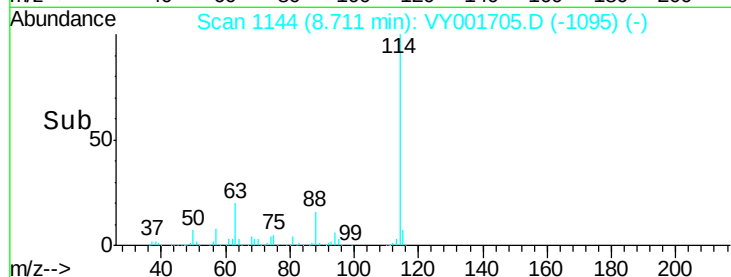
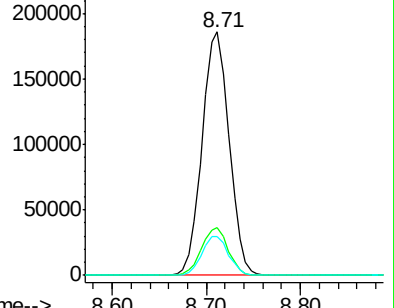
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.960 ug/l

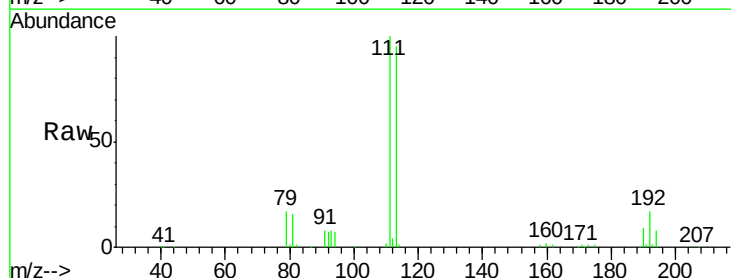
RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

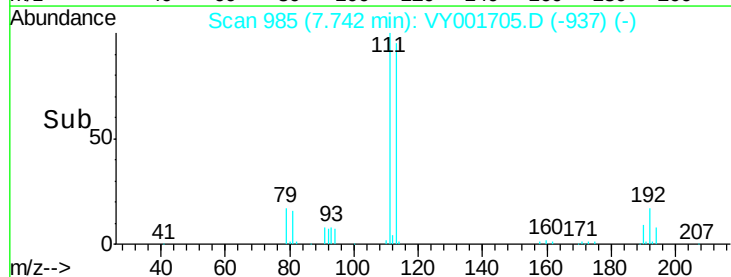
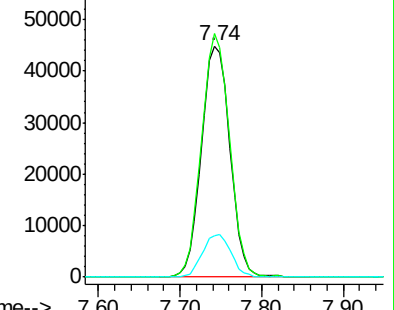
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	108097		
111	103.3		81.9	122.9
192	18.3		14.3	21.5

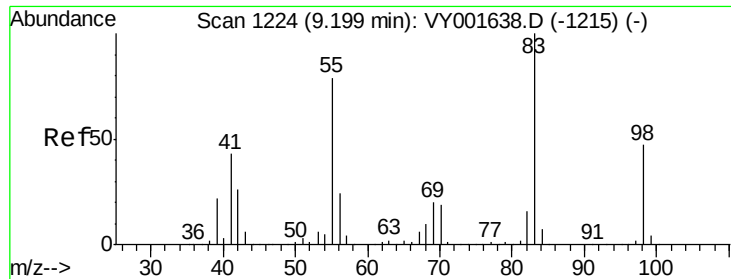


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





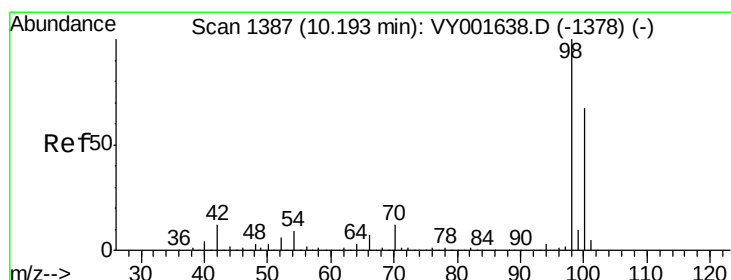
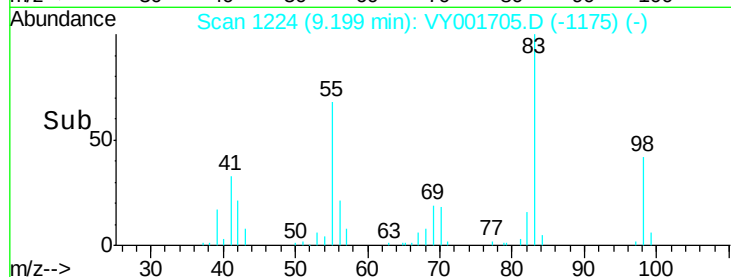
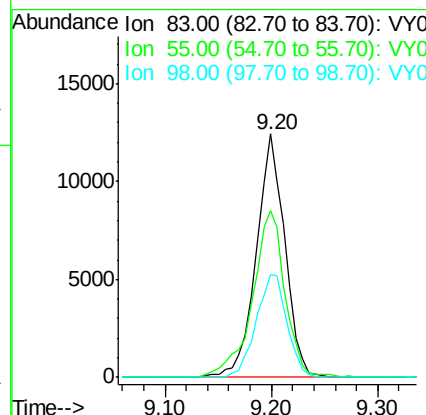
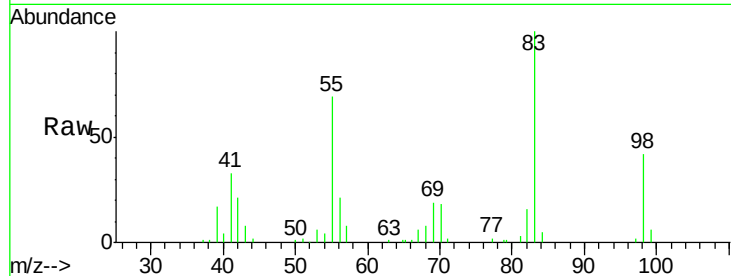
#39
Methylvlcyclohexane
Concen: 4.987 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Tot Ion	83.00	Resp	23404
Ion	Ratio	Lower	Upper
83	100		
55	68.5	61.3	91.9
98	42.4	38.0	57.0

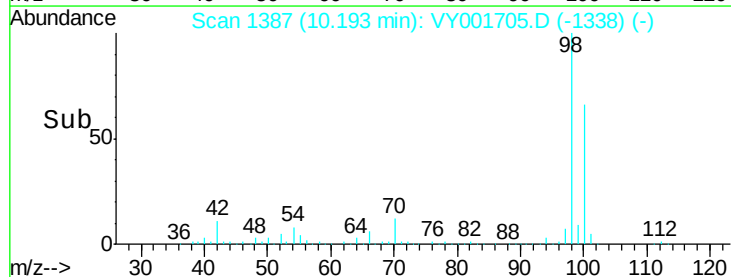
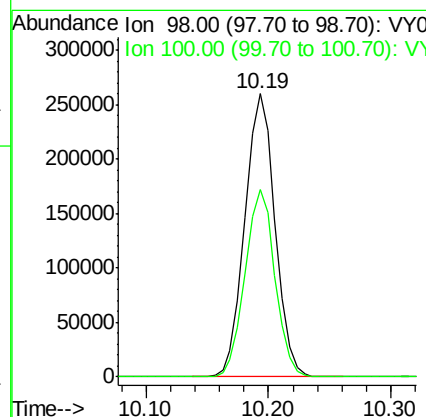
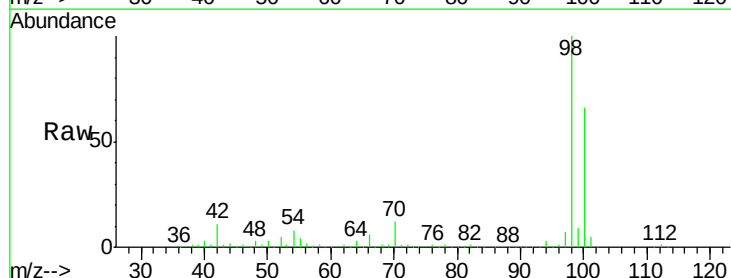
Manual Integrations
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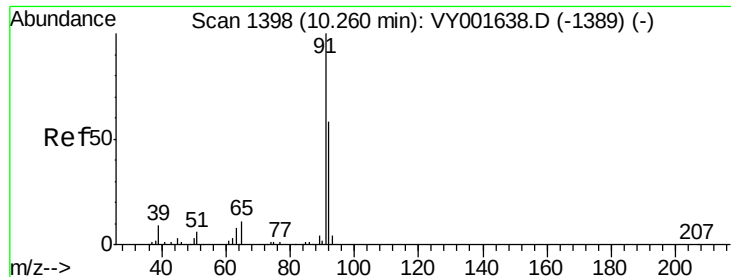
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#50
Toluene-d8
Concen: 53.561 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Tgt Ion	98.00	Resp	445106
Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





#52

Toluene

Concen: 11.347 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

Instrument :

MSVOA_Y

ClientSampleId :

SB4-4.5-5.0

Tot Ion: 92 Resp: 73641

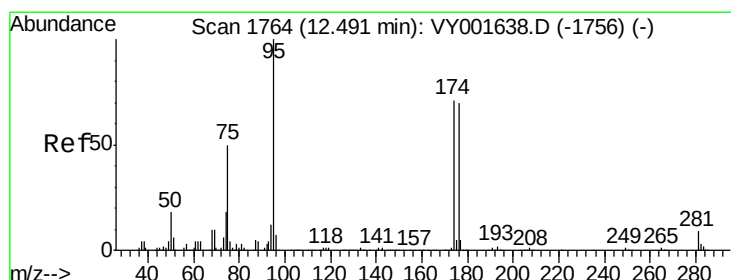
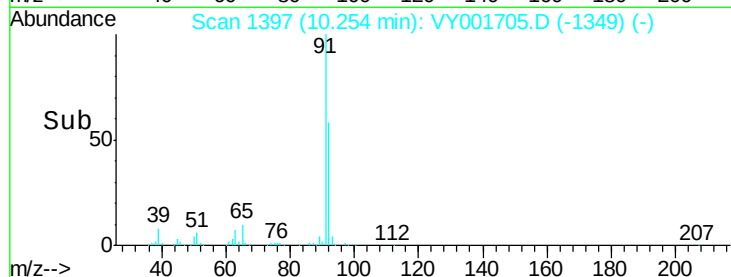
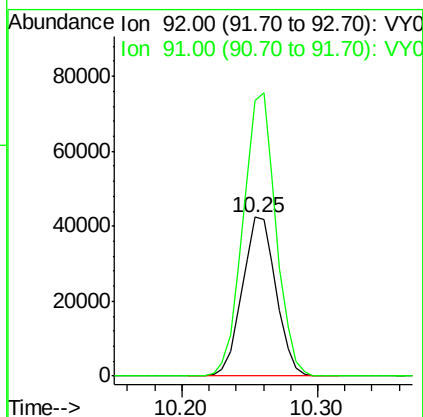
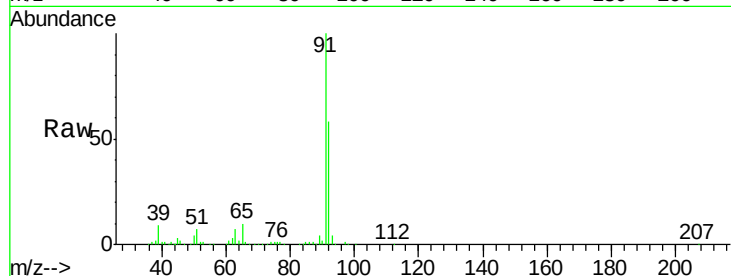
Ion Ratio Lower Upper

92 100

91 172.6 137.0 205.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.071 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

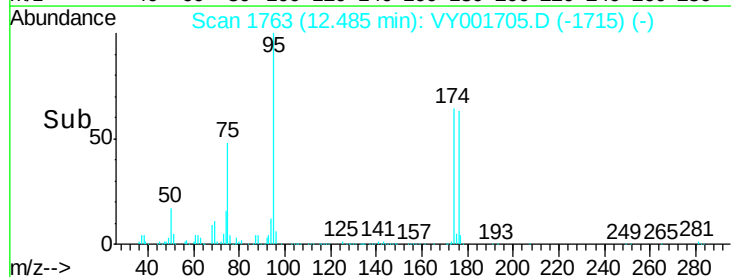
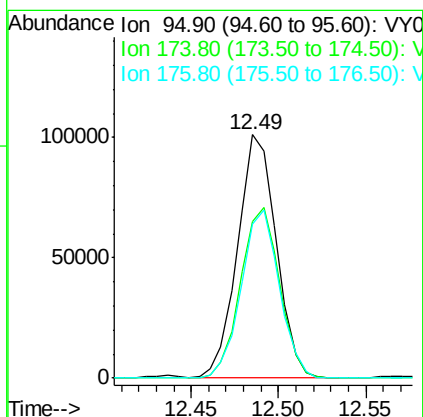
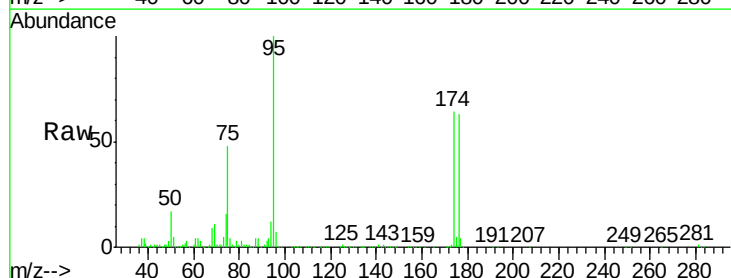
Tgt Ion: 95 Resp: 155196

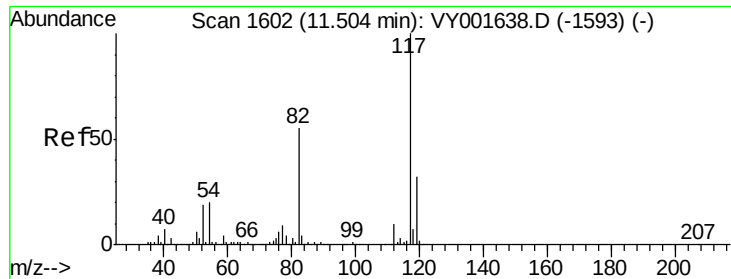
Ion Ratio Lower Upper

95 100

174 70.9 0.0 138.4

176 68.2 0.0 131.8





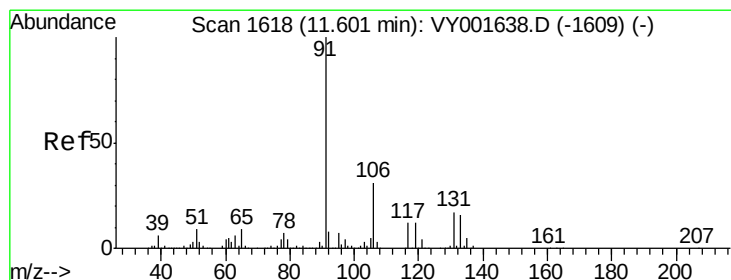
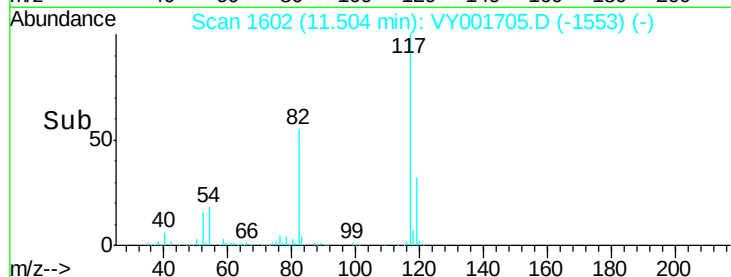
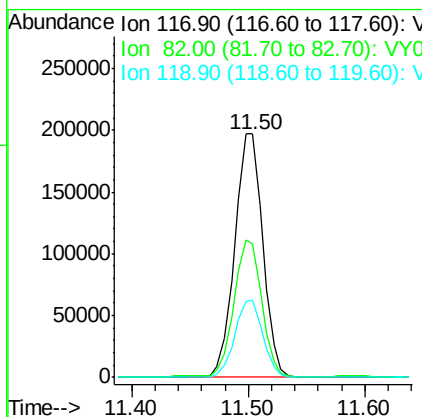
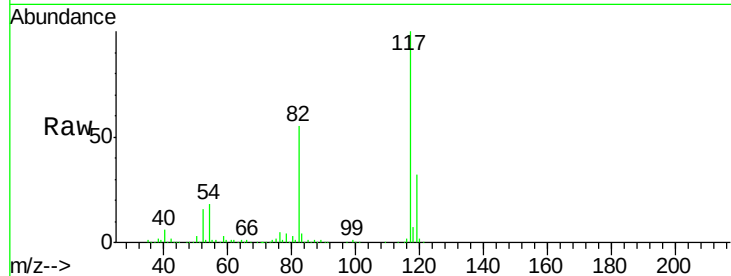
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.5	68.3
119	31.8	25.8	38.6

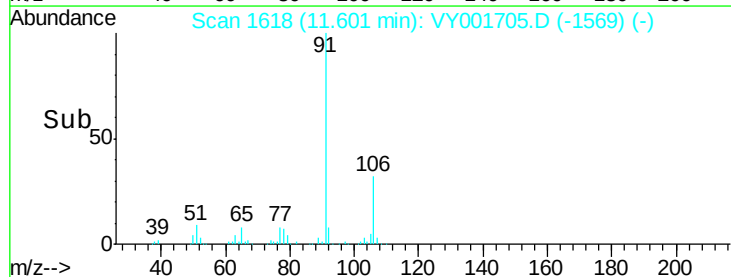
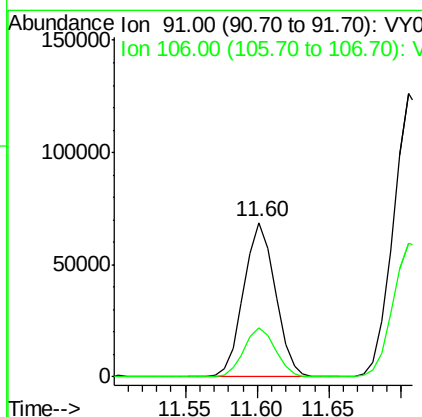
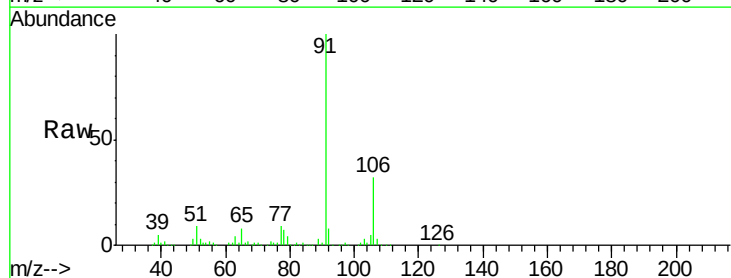
Manual Integrations
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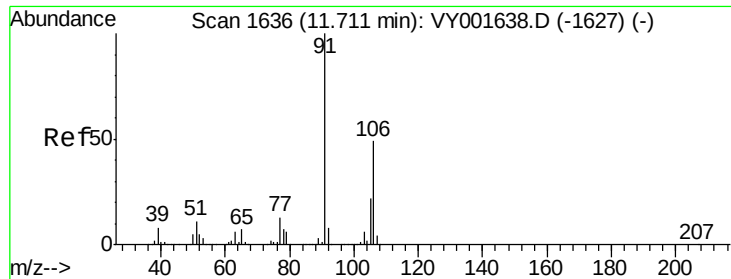
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#67
Ethyl Benzene
Concen: 8.561 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.5	36.7





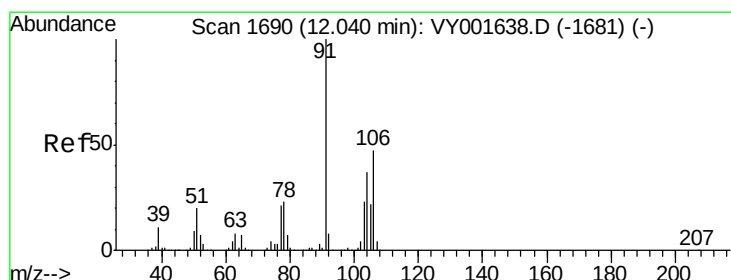
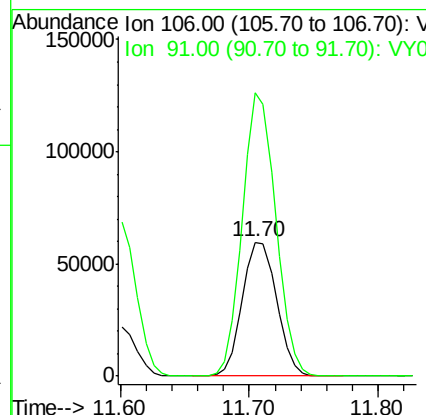
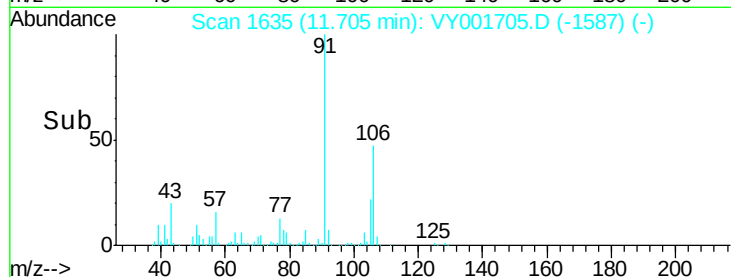
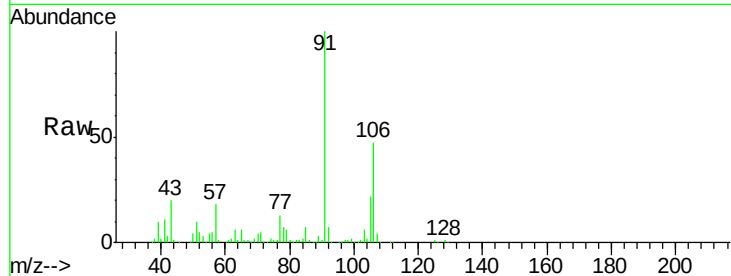
#68
m/p-Xylenes
Concen: 24.199 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
110712	106	100			
	91	204.0	163.3	244.9	

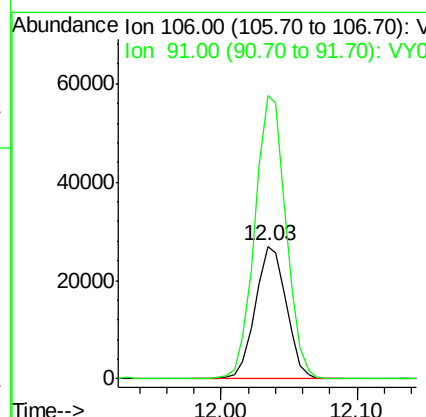
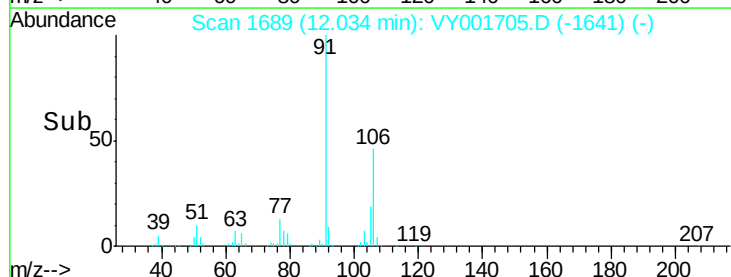
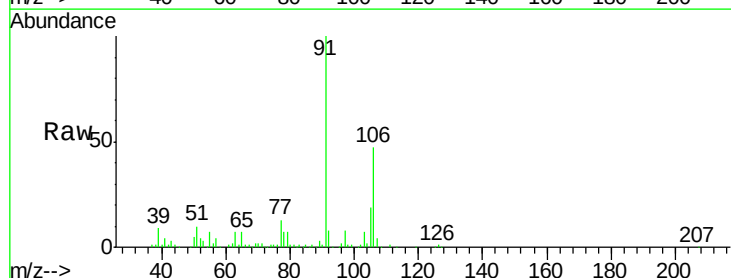
Manual Integrations
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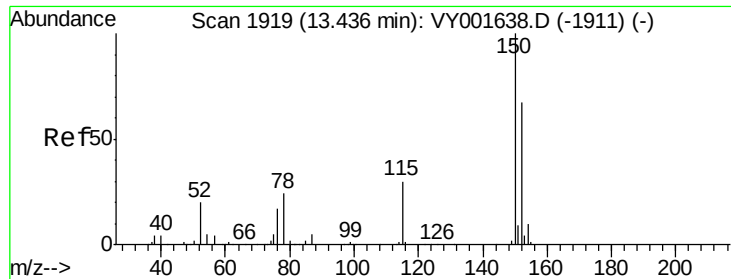
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#69
o-Xylene
Concen: 9.948 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43270	106	100			
	91	214.9	108.3	324.9	





#72

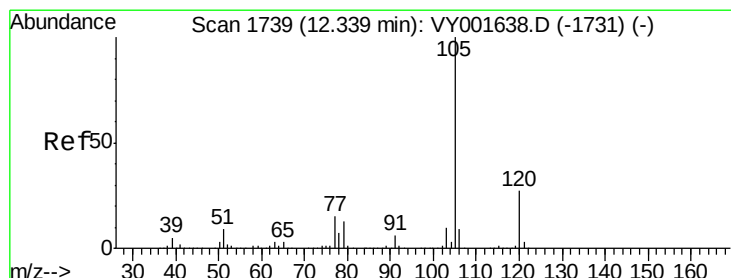
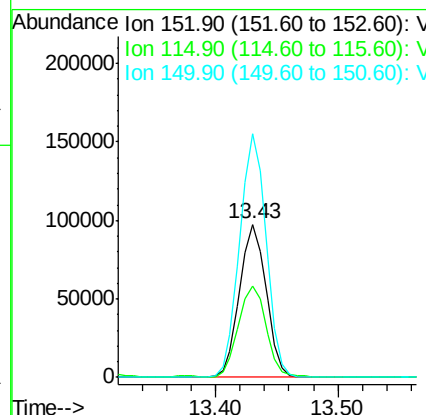
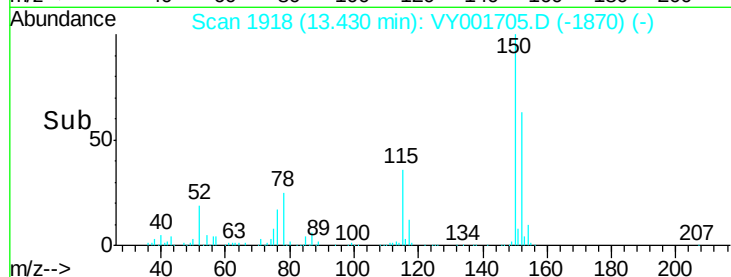
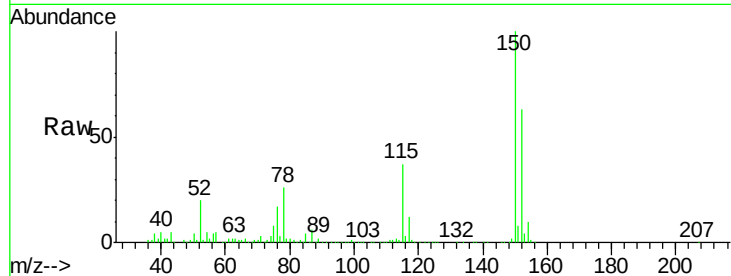
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.4	94.2
150	158.2	0.0	407.2

Manual Integrations
APPROVED

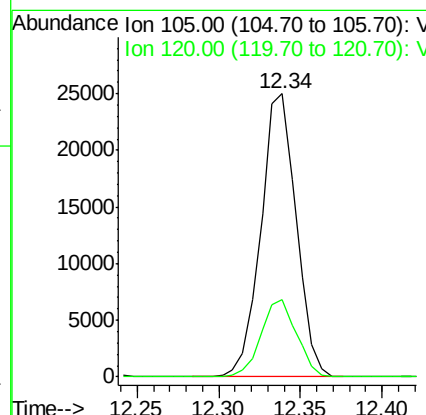
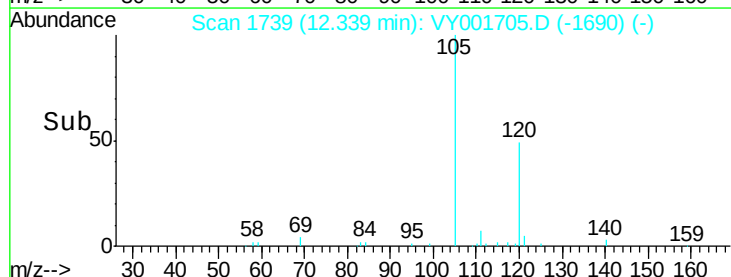
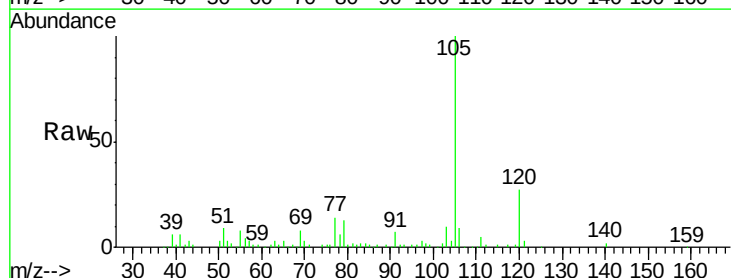
MMDadoda
2/20/2020 5:56:16 PM

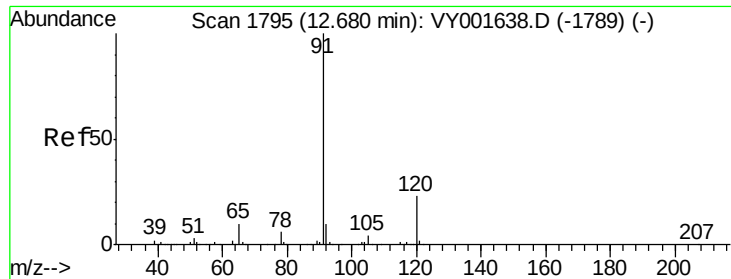


#73

Isopropylbenzene
Concen: 3.374 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.1





#78

n-propylbenzene

Concen: 5.914 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001705.D

Acq: 19 Feb 2020 17:36

Instrument :

MSVOA_Y

ClientSampleId :

SB4-4.5-5.0

Tot Ion: 91 Resp: 80501

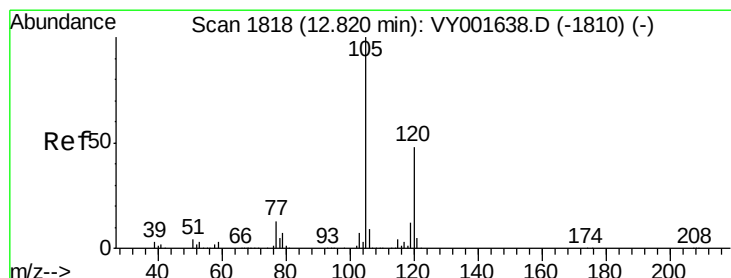
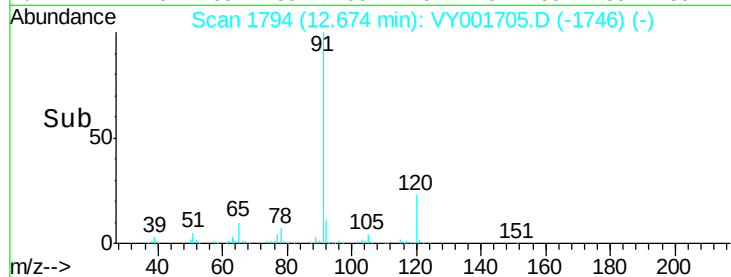
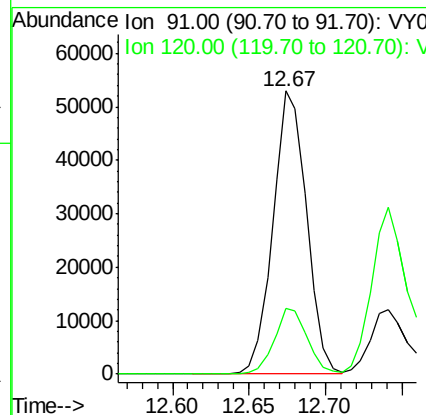
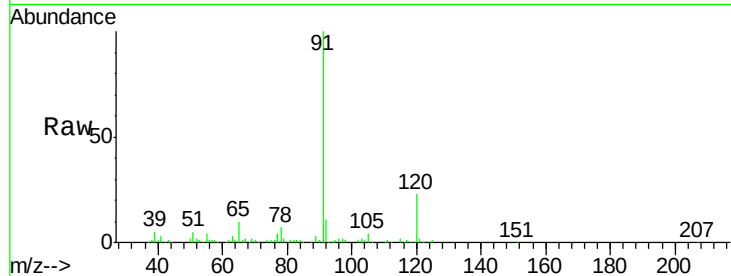
Ion Ratio Lower Upper

91 100

120 22.9 11.1 33.1

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#80

1,3,5-Trimethylbenzene

Concen: 3.649 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001705.D

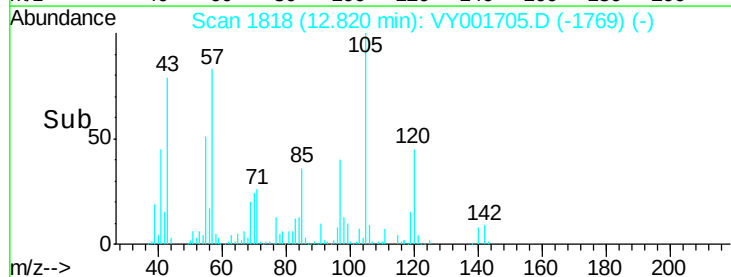
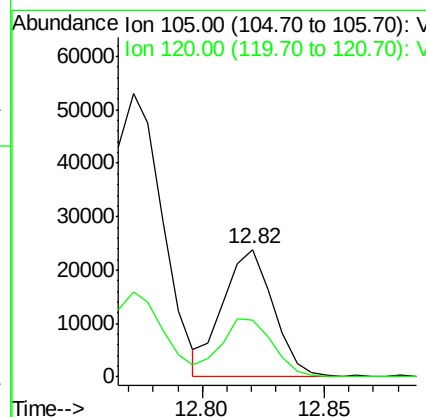
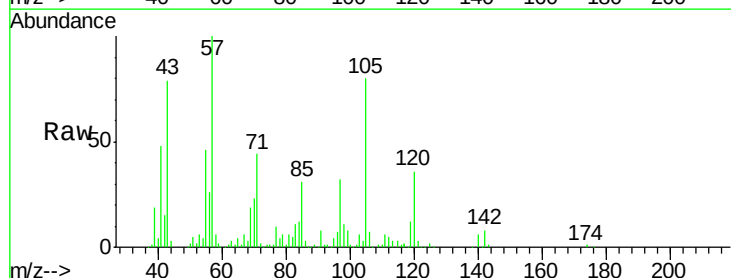
Acq: 19 Feb 2020 17:36

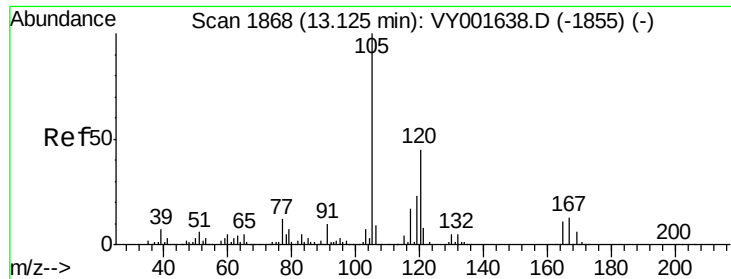
Tgt Ion: 105 Resp: 33756

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





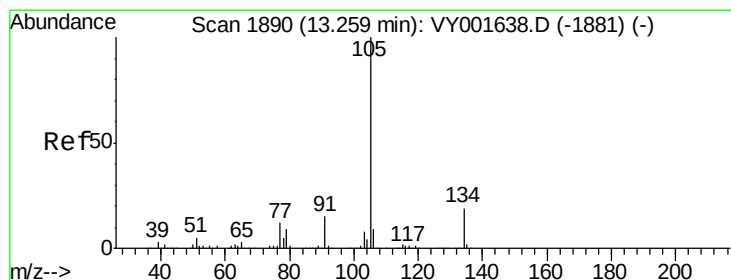
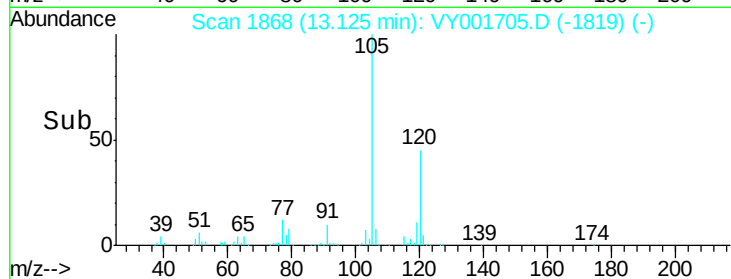
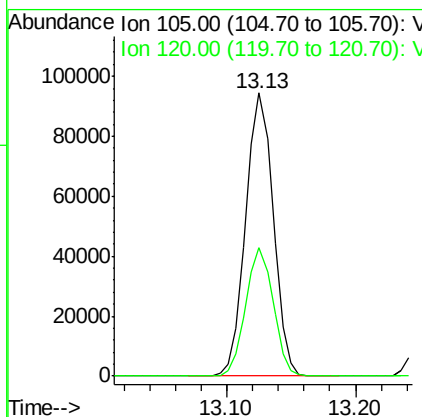
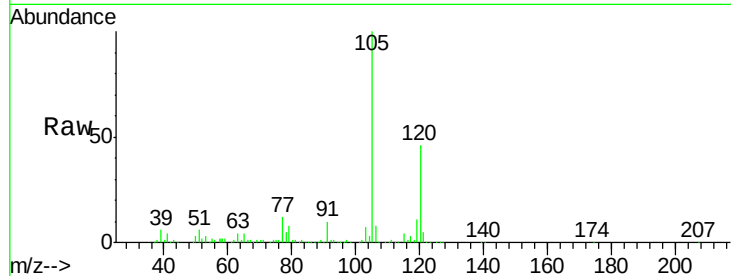
#84
 1,2,4-Trimethylbenzene
 Concen: 15.083 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001705.D
 Acq: 19 Feb 2020 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB4-4.5-5.0

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3

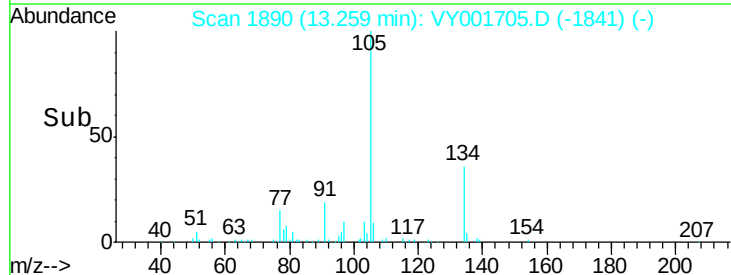
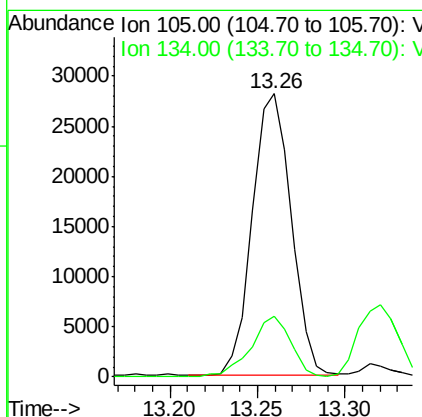
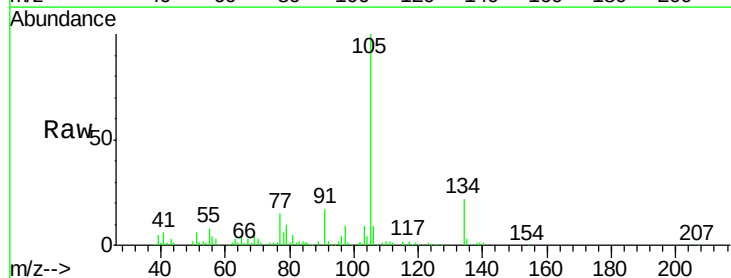
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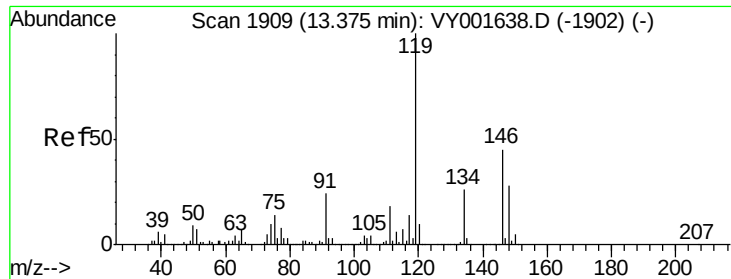
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#85
 sec-Butylbenzene
 Concen: 3.870 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001705.D
 Acq: 19 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	22.1	9.8	29.3





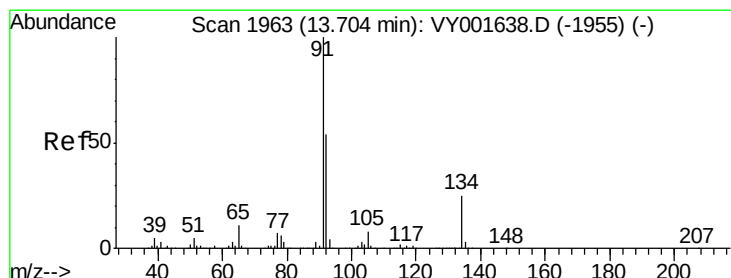
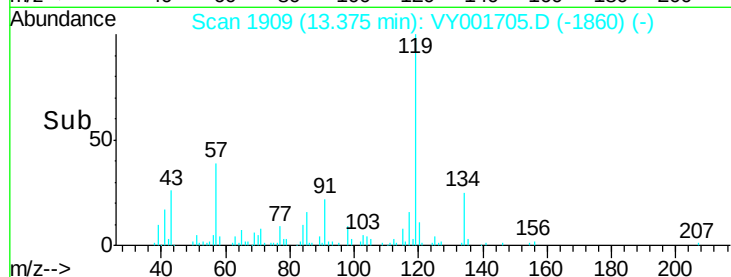
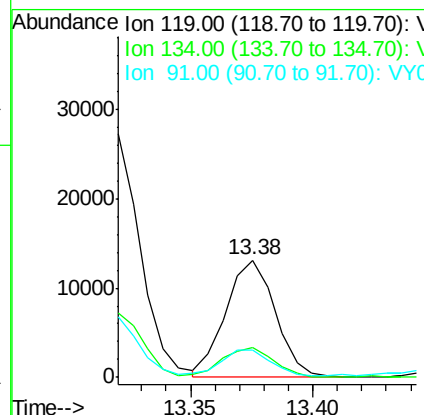
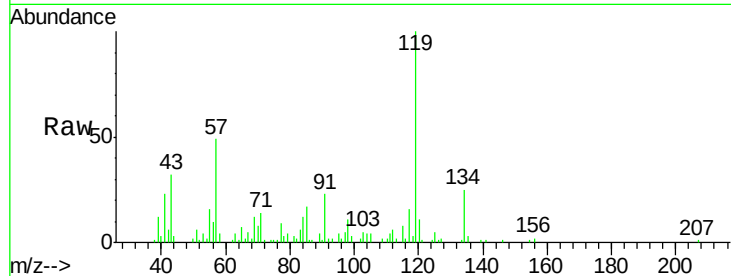
#86
 p-Isopropyltoluene
 Concen: 1.880 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001705.D
 Acq: 19 Feb 2020 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB4-4.5-5.0

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	39.0
91	21.9	12.2	36.6

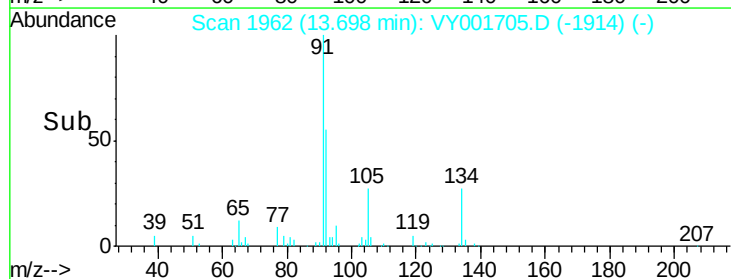
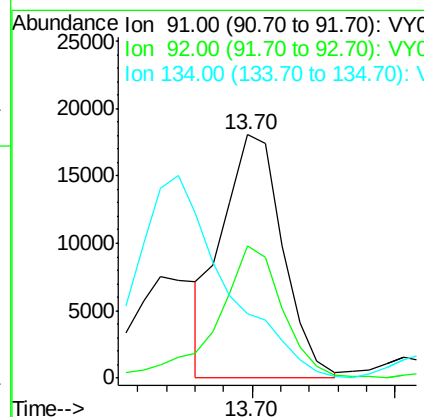
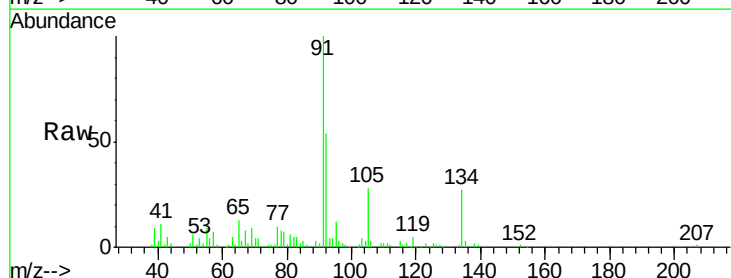
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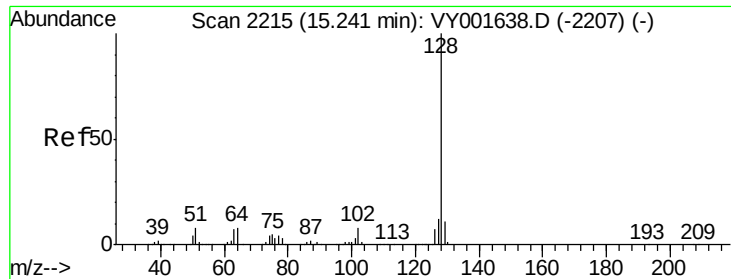
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#89
 n-Butylbenzene
 Concen: 2.628 ug/l m
 RT: 13.70 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VY001705.D
 Acq: 19 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	27.5	82.4
134	0.0	12.4	37.4#





#95
Naphthalene
Concen: 5.451 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001705.D
Acq: 19 Feb 2020 17:36

Instrument :
MSVOA_Y
ClientSampleId :
SB4-4.5-5.0

Tot Ion:	128	Resp:	36118
Ion Ratio	Lower	Upper	
128	100		
127	14.5	9.9	14.9
129	12.7	8.6	13.0

Manual Integrations
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