

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002645.D
 Acq On : 08 May 2020 16:07
 Operator : SY/MD
 Sample : L2564-01
 Misc : 4.13G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 1:00:56 PM

Quant Time: May 11 02:35:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	239112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	359707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	298209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111648	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	95493	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.74	113	103940	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.19	98	411478	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.49	95	124478	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
Target Compounds						
16) Acetone	3.98	43	3848	9.274	ug/l	93
67) Ethyl Benzene	11.60	91	72452	7.276	ug/l	99
68) m/p-Xylenes	11.72	106	12678	3.290	ug/l	98
69) o-Xylene	12.03	106	40362	11.188	ug/l	97
73) Isopropylbenzene	12.34	105	197916	27.352	ug/l	99
78) n-propylbenzene	12.68	91	711208	84.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	79319m	13.224	ug/l	
83) tert-Butylbenzene	13.08	119	25900	4.925	ug/l	94
84) 1,2,4-Trimethylbenzene	13.13	105	1639032	274.193	ug/l	99
85) sec-Butylbenzene	13.26	105	575800	78.901	ug/l	87
86) p-Isopropyltoluene	13.38	119	261943	38.307	ug/l	99
89) n-Butylbenzene	13.70	91	525095m	84.354	ug/l	
95) Naphthalene	15.25	128	386650	95.621	ug/l #	86

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

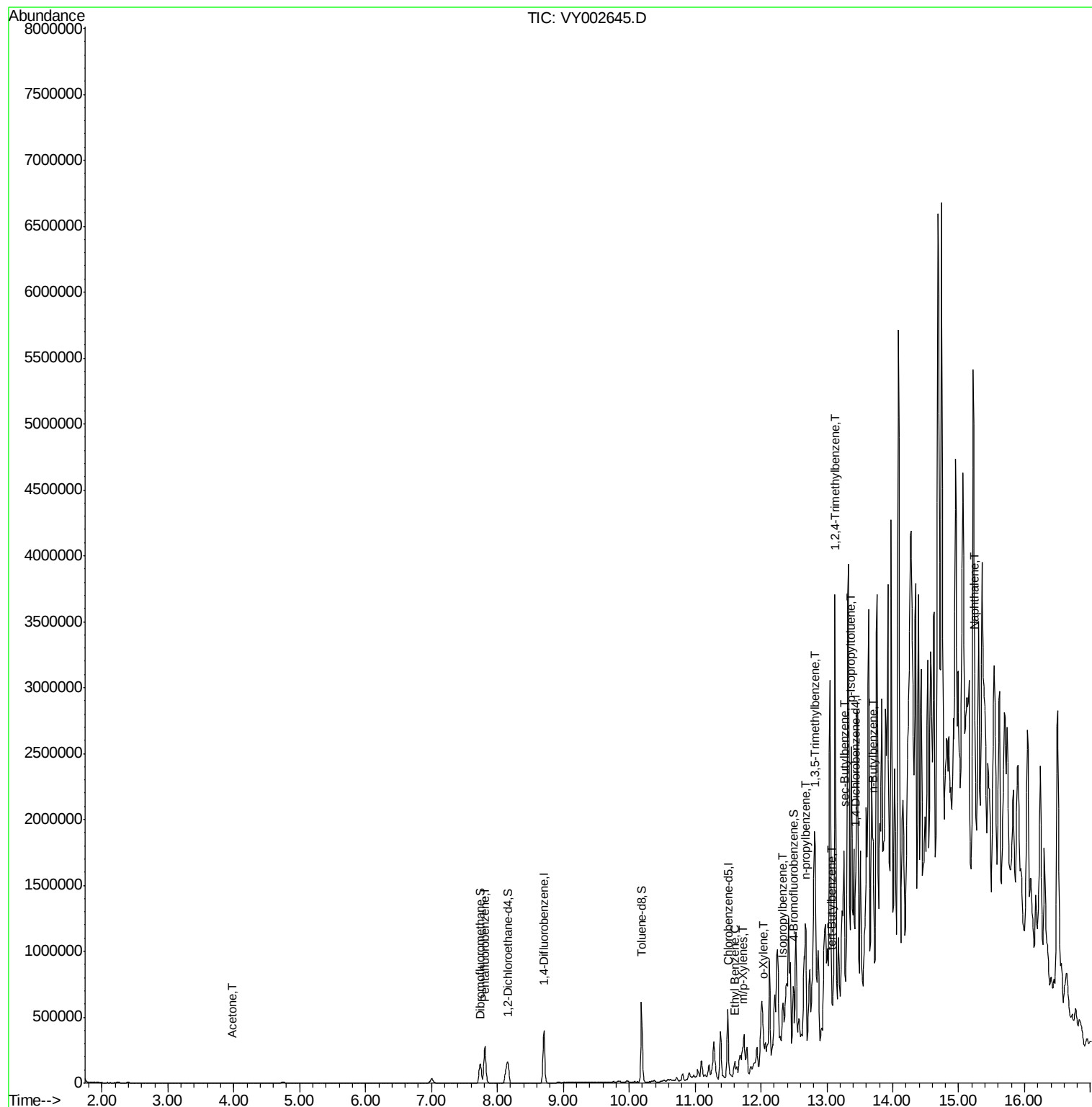
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002645.D
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Sample : L2564-01
Misc : 4.13G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

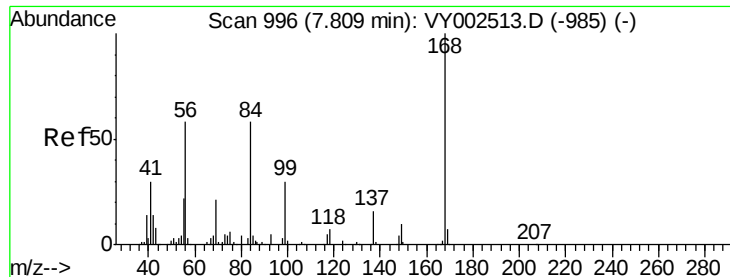
Instrument :
MSVOA_Y
ClientSampleId :
SW-1

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Quant Time: May 11 02:35:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Instrument :

MSVOA_Y

ClientSampleId :

SW-1

Tot Ion:168 Resp: 239112

Ion Ratio Lower Upper

168 100

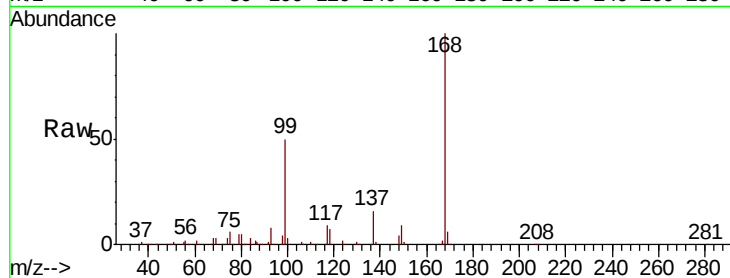
99 49.9 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

100000

80000

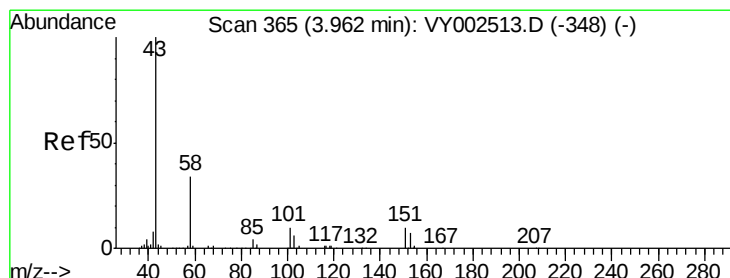
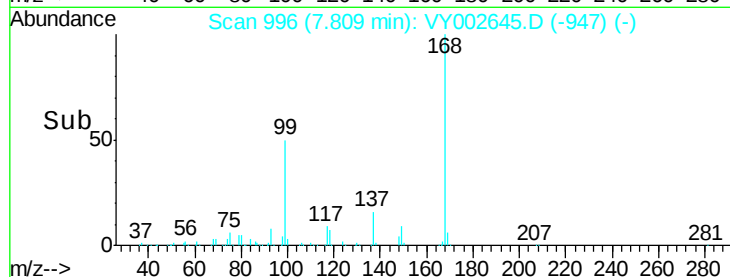
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 9.274 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002645.D

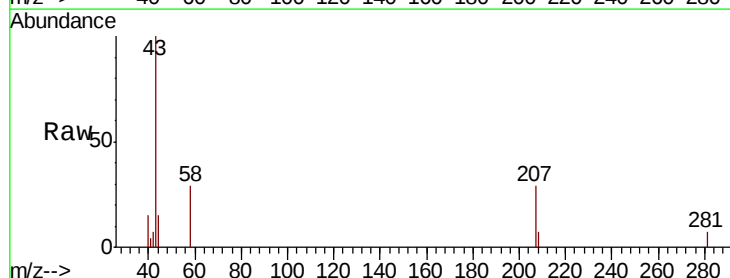
Acq: 08 May 2020 16:07

Tgt Ion: 43 Resp: 3848

Ion Ratio Lower Upper

43 100

58 29.4 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.98

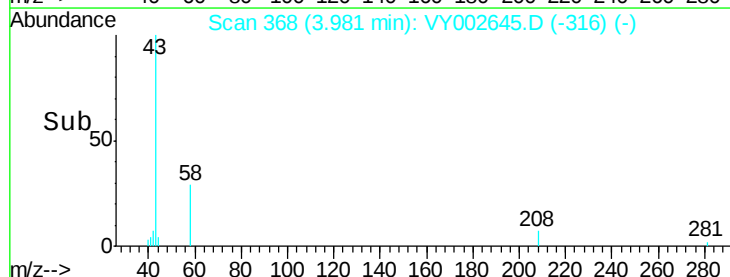
1500

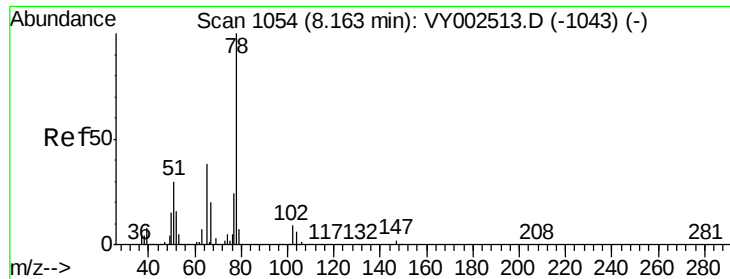
1000

500

0

Time-->





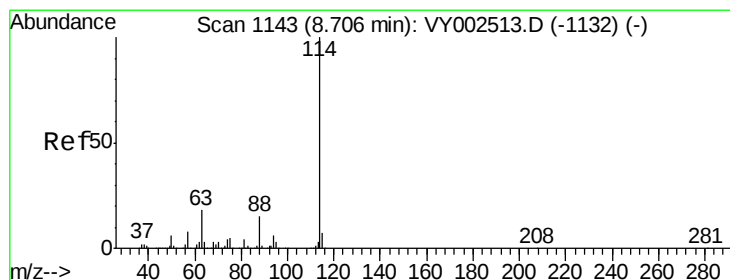
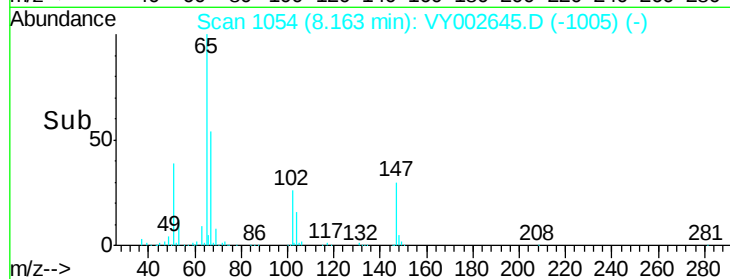
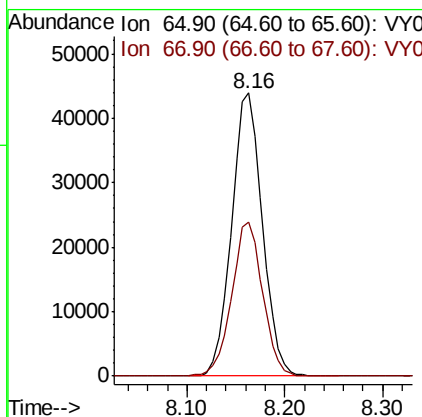
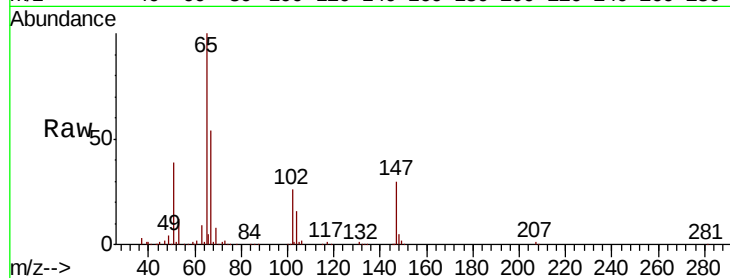
#33
 1,2-Dichloroethane-d4
 Concen: 47.497 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002645.D
 Acq: 08 May 2020 16:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	107.2

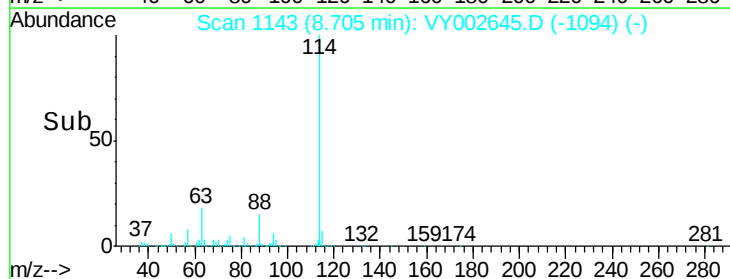
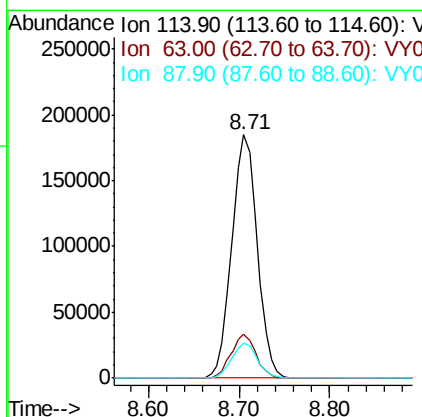
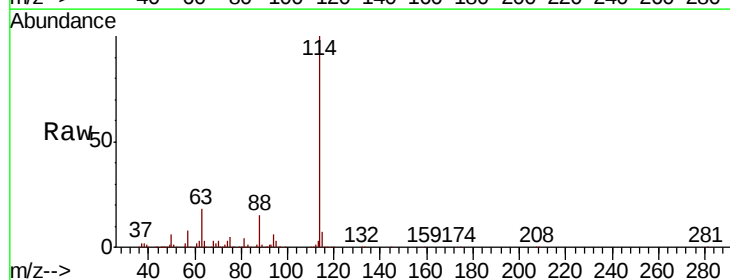
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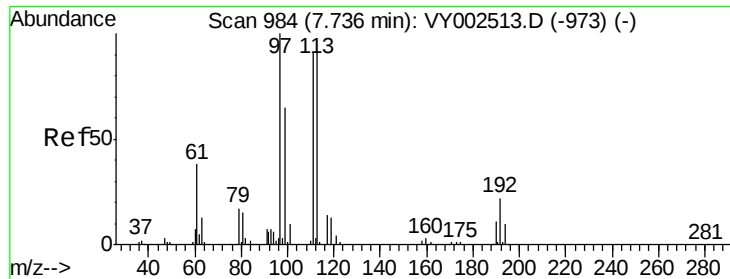
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002645.D
 Acq: 08 May 2020 16:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.4
88	14.5	0.0	29.6





#35

Dibromofluoromethane

Concen: 50.526 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Instrument :

MSVOA_Y

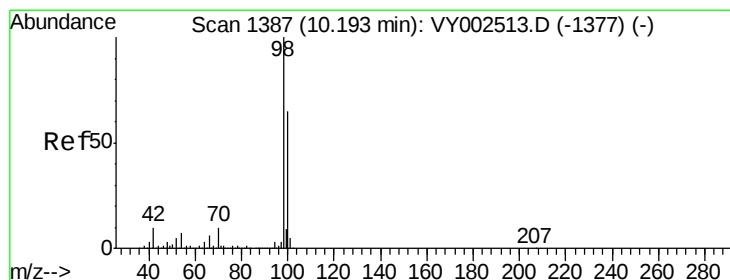
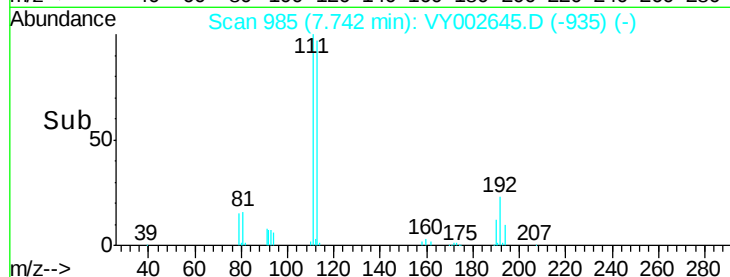
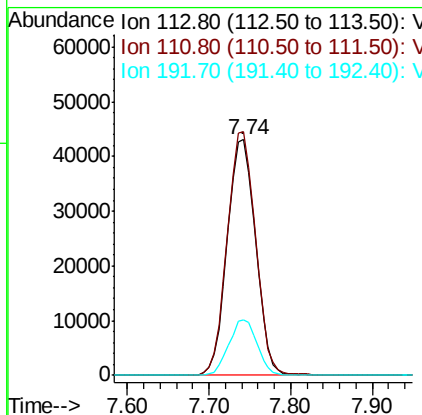
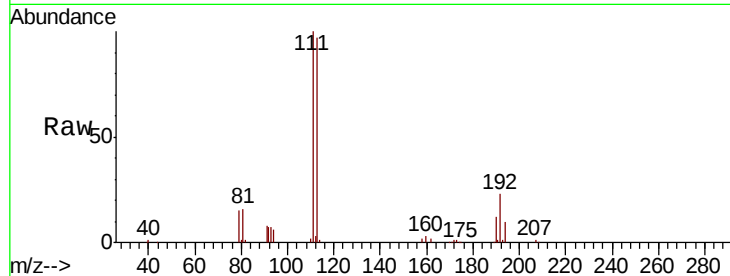
ClientSampleId :

SW-1

Tot Ion:	113	Resp:	103940
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.8	122.6
192	23.4	18.2	27.4

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#50

Toluene-d8

Concen: 51.220 ug/l

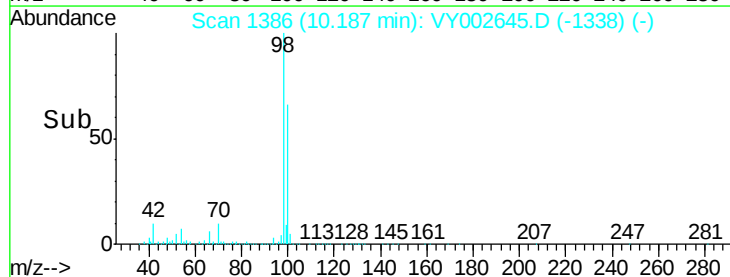
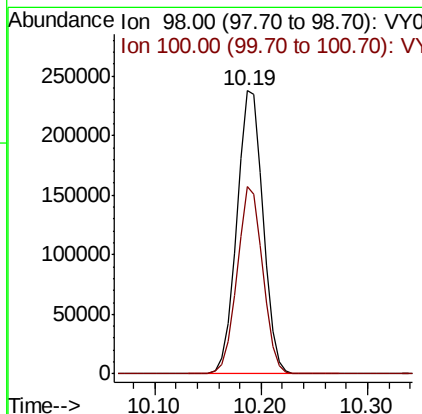
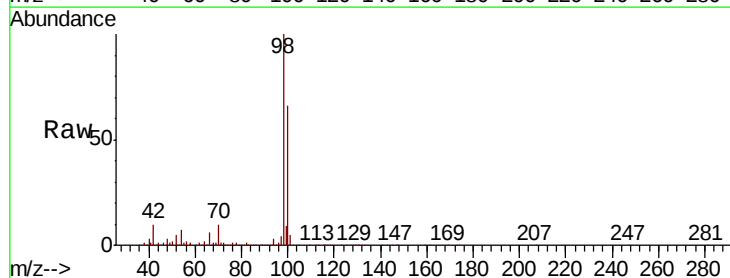
RT: 10.19 min Scan# 1386

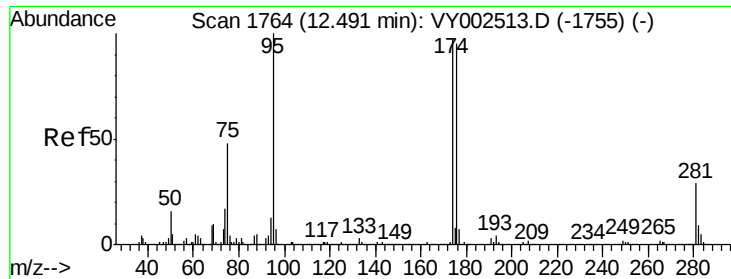
Delta R.T. -0.01 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Tgt Ion:	98	Resp:	411478
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.2	78.2





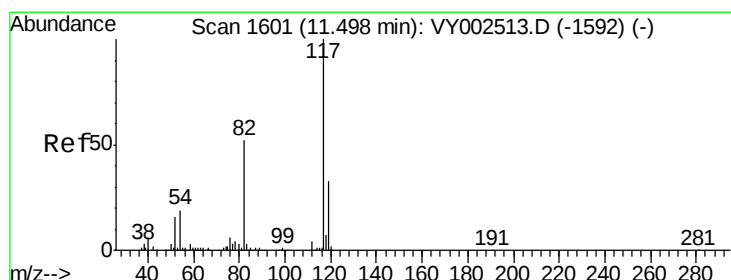
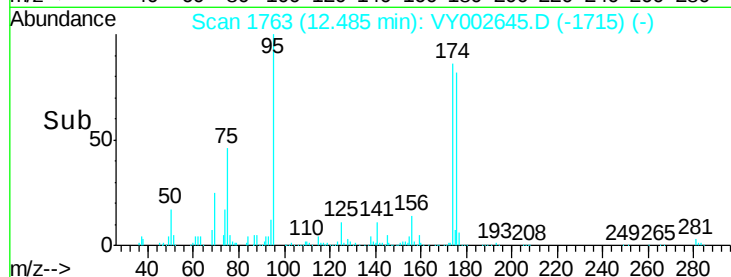
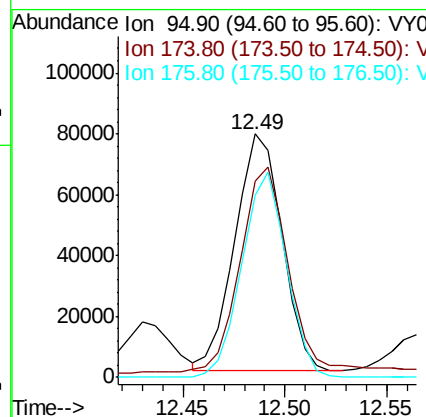
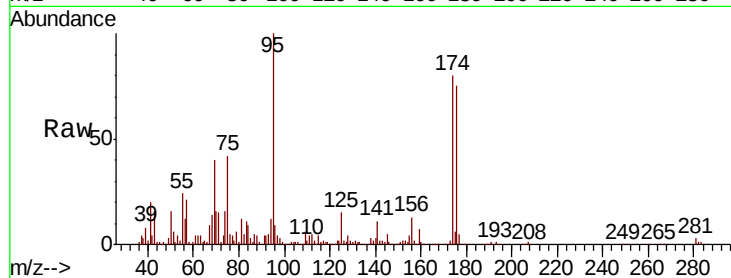
#62
4-Bromofluorobenzene
Concen: 45.663 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Instrument :
MSVOA_Y
ClientSampled :
SW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	124478		
174	101.1	0.0	188.8	
176	82.1	0.0	183.2	

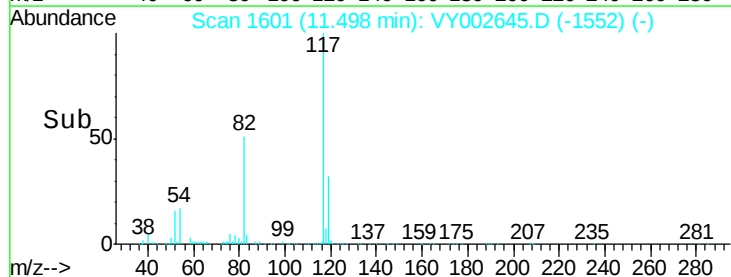
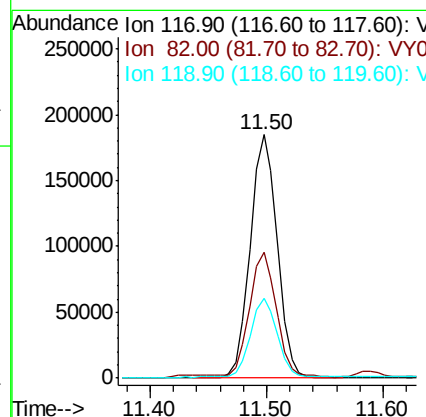
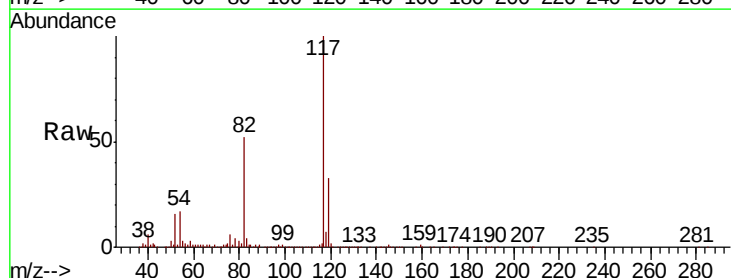
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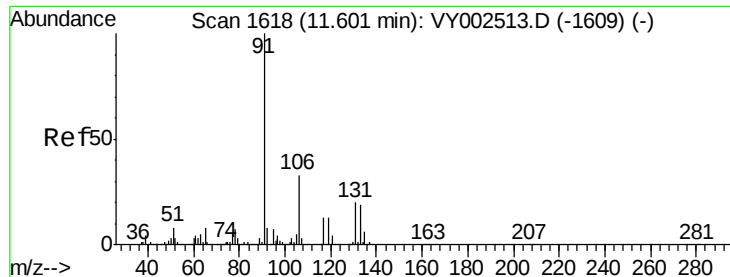
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	298209		
82	51.1	41.3	61.9	
119	32.4	26.0	39.0	





#67

Ethyl Benzene

Concen: 7.276 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Instrument :

MSVOA_Y

ClientSampled :

SW-1

Tot Ion: 91 Resp: 72452

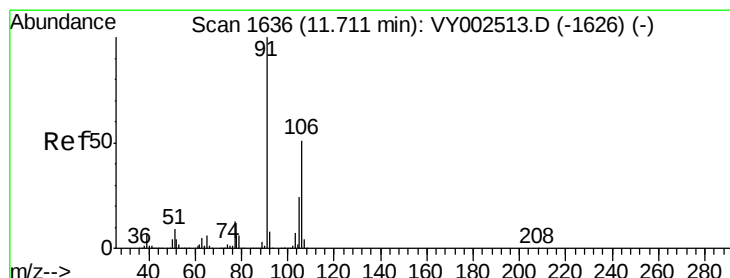
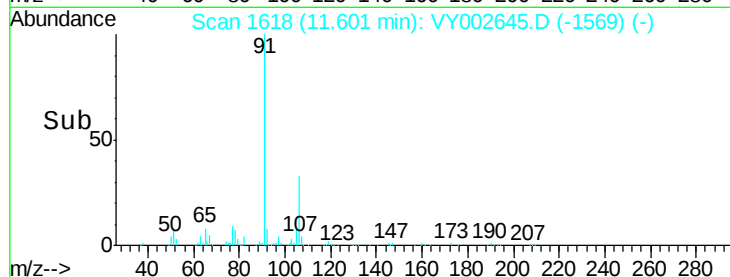
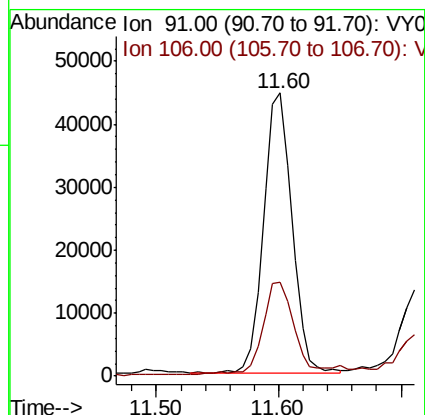
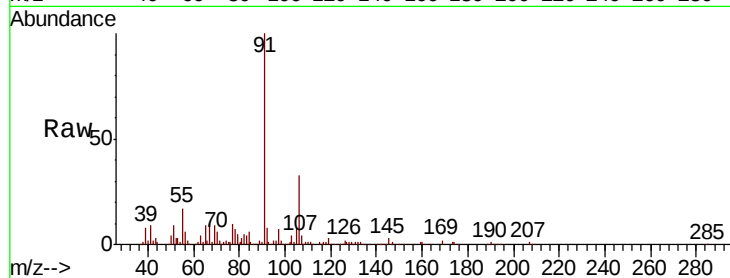
Ion Ratio Lower Upper

91 100

106 32.9 26.1 39.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 3.290 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002645.D

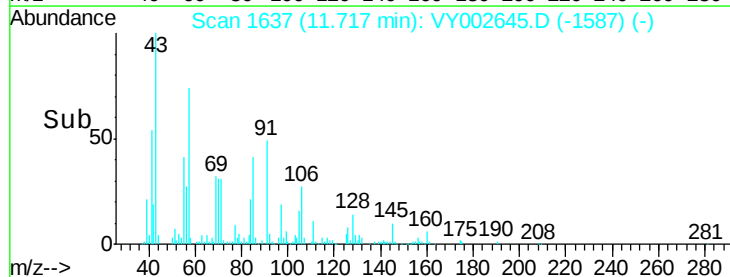
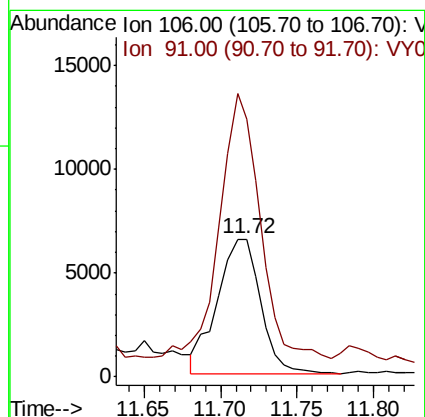
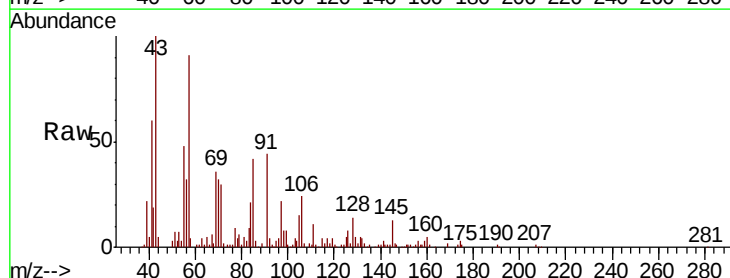
Acq: 08 May 2020 16:07

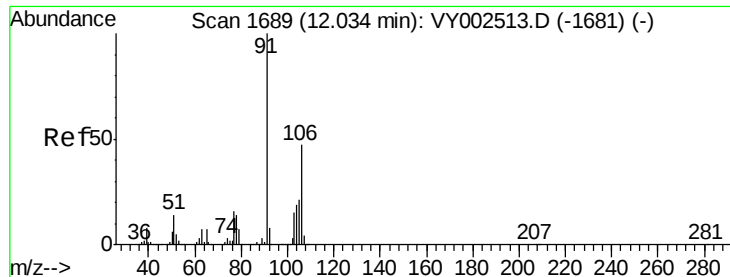
Tgt Ion: 106 Resp: 12678

Ion Ratio Lower Upper

106 100

91 191.1 155.2 232.8





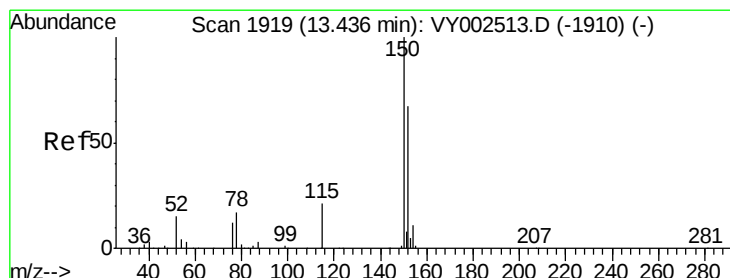
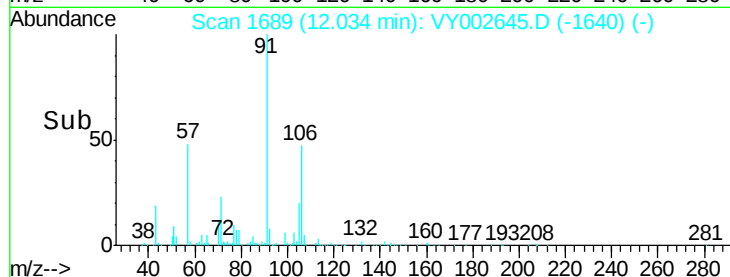
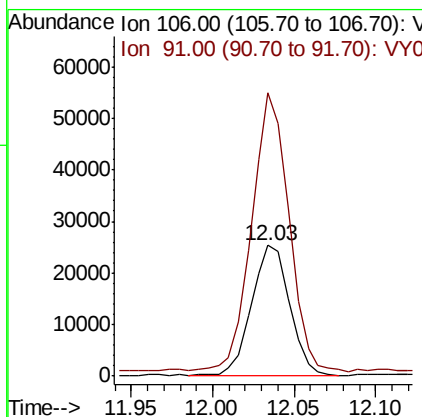
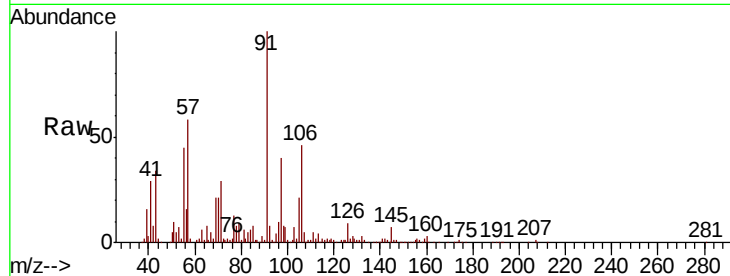
#69
o-Xylene
Concen: 11.188 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Instrument :
MSVOA_Y
Client Sampled :
SW-1

Tot Ion:106 Resp: 40362
Ion Ratio Lower Upper
106 100
91 211.7 103.8 311.3

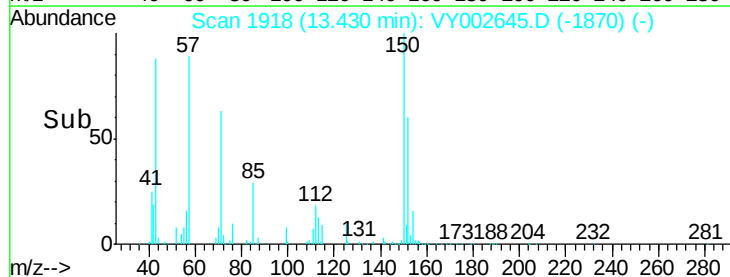
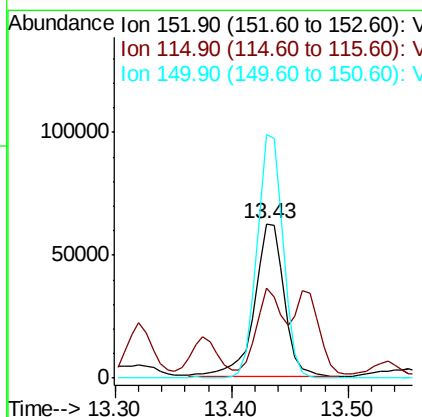
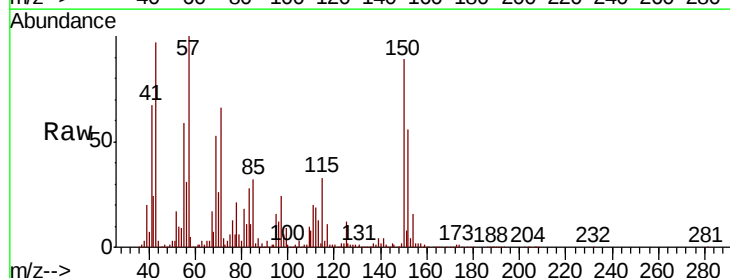
Manual Integrations
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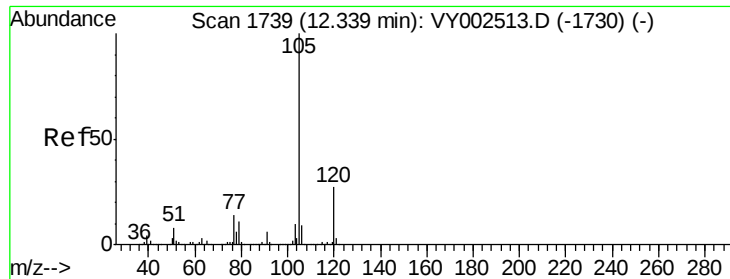
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Tgt Ion:152 Resp: 111648
Ion Ratio Lower Upper
152 100
115 46.6 27.5 82.4
150 138.2 0.0 346.4





#73

Isopropylbenzene

Concen: 27.352 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Instrument :

MSVOA_Y

ClientSampled :

SW-1

Tot Ion: 105 Resp: 197916

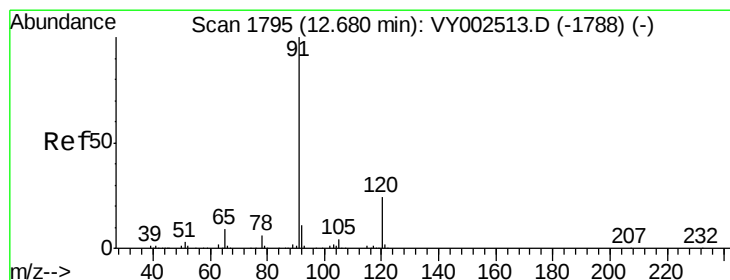
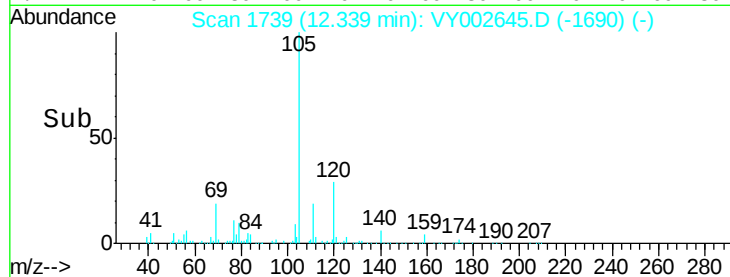
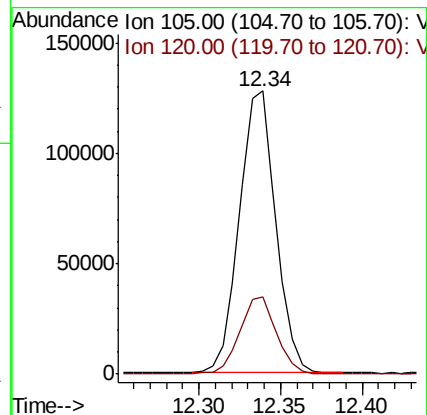
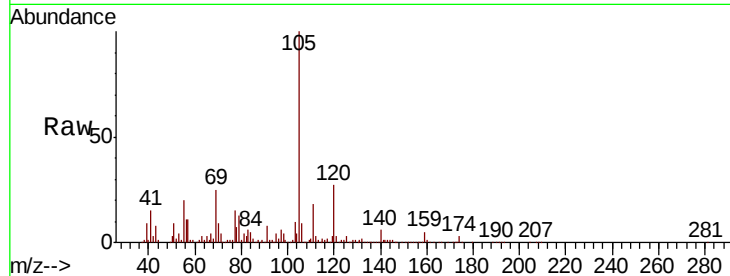
Ion Ratio Lower Upper

105 100

120 28.0 13.8 41.3

Manual Integrations
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#78

n-propylbenzene

Concen: 84.697 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002645.D

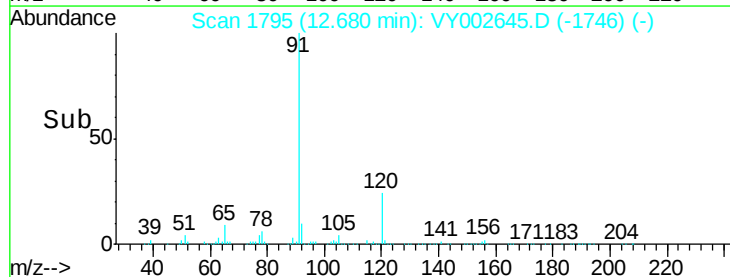
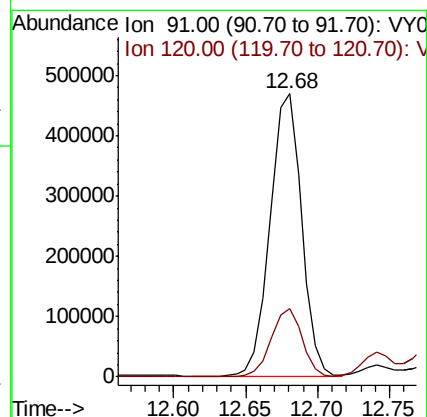
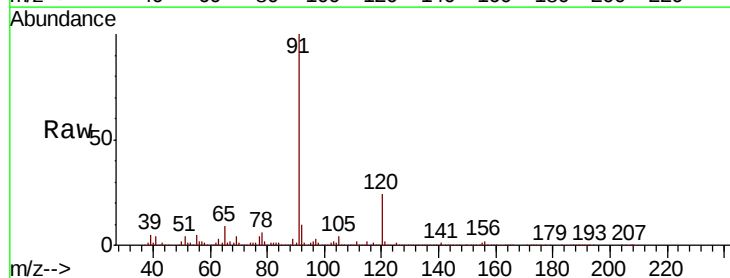
Acq: 08 May 2020 16:07

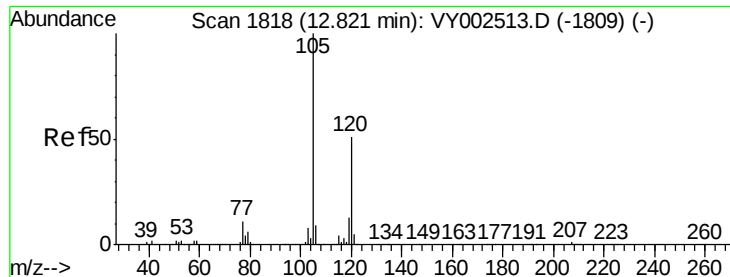
Tgt Ion: 91 Resp: 711208

Ion Ratio Lower Upper

91 100

120 23.8 12.2 36.4





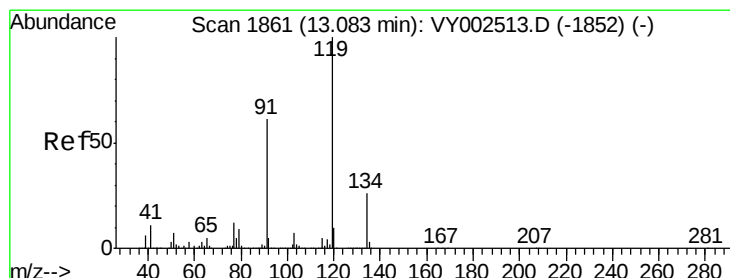
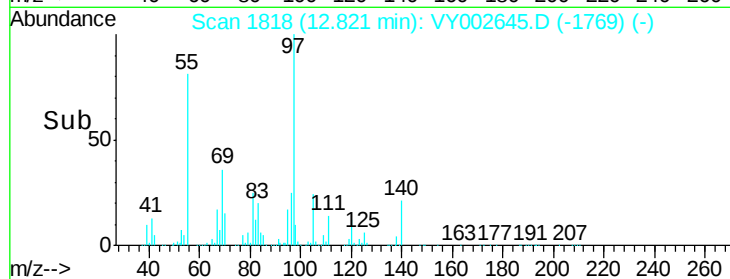
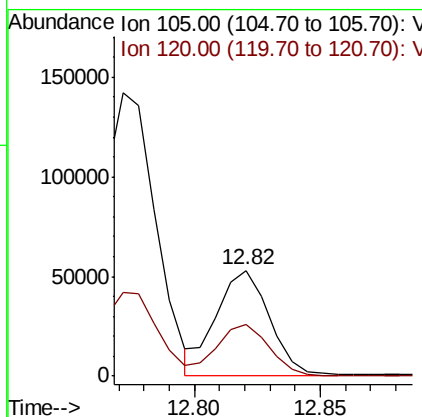
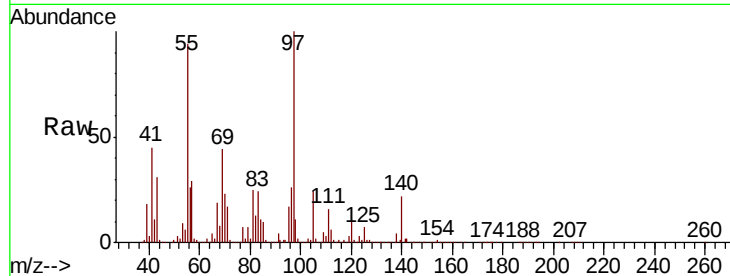
#80
 1,3,5-Trimethylbenzene
 Concen: 13.224 ug/l m
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002645.D
 Acq: 08 May 2020 16:07

Instrument :
 MSVOA_Y
 ClientSampled :
 SW-1

Tot Ion:105 Resp: 79319
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.3 75.9#

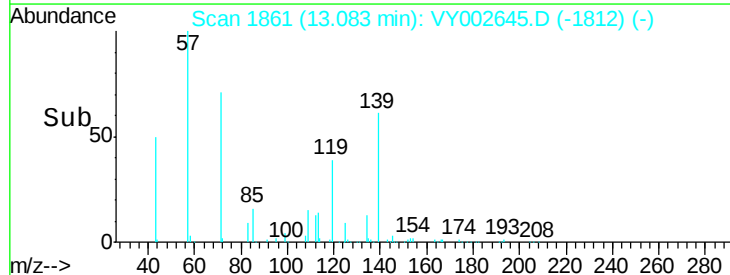
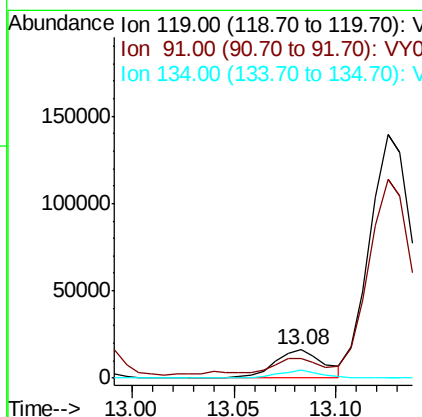
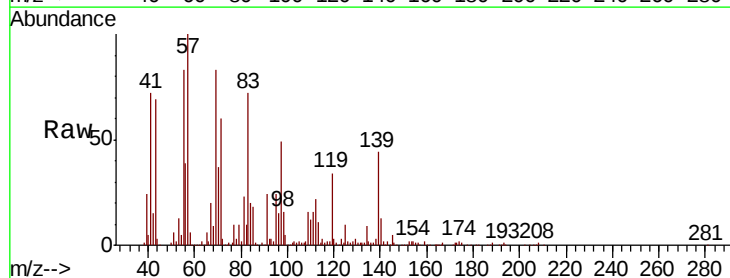
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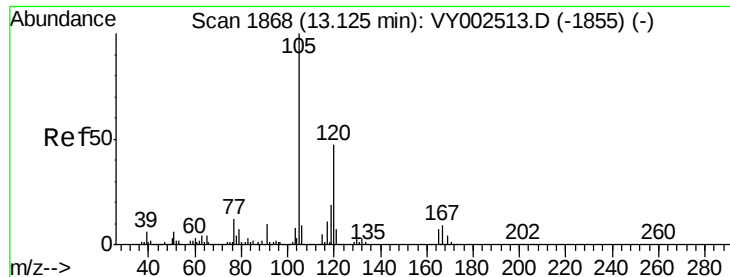
MMDadoda
 5/11/2020 1:00:56 PM



#83
 tert-Butylbenzene
 Concen: 4.925 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002645.D
 Acq: 08 May 2020 16:07

Tgt Ion:119 Resp: 25900
 Ion Ratio Lower Upper
 119 100
 91 65.8 30.6 91.6
 134 23.9 13.5 40.4





#84

1,2,4-Trimethylbenzene

Concen: 274.193 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VY002645.D

Acq: 08 May 2020 16:07

Instrument :

MSVOA_Y

ClientSampleId :

SW-1

Tot Ion:105 Resp: 1639032

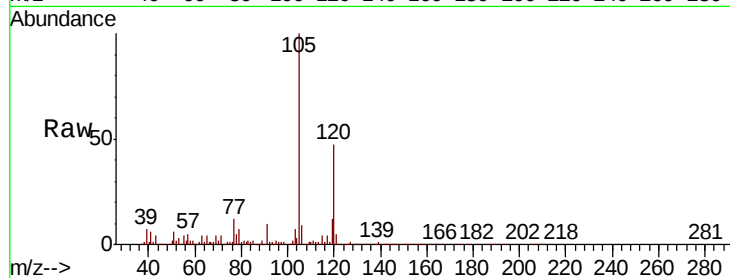
Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.3

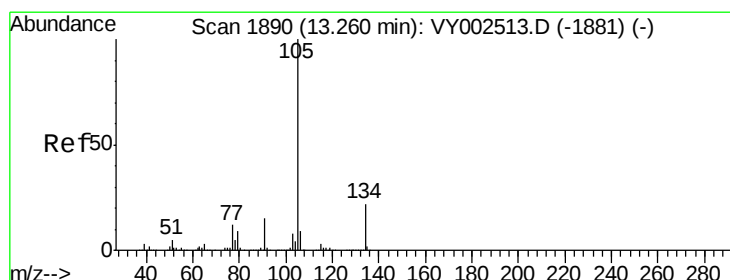
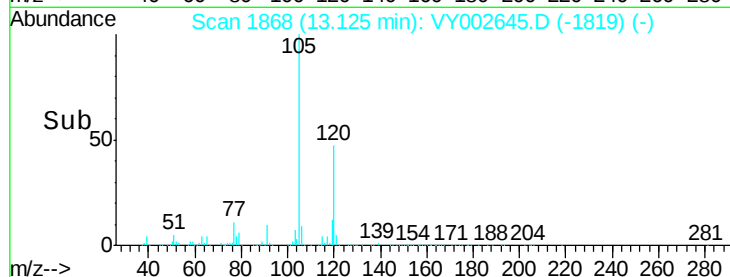
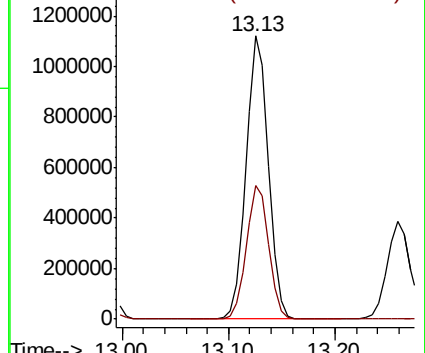
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 78.901 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002645.D

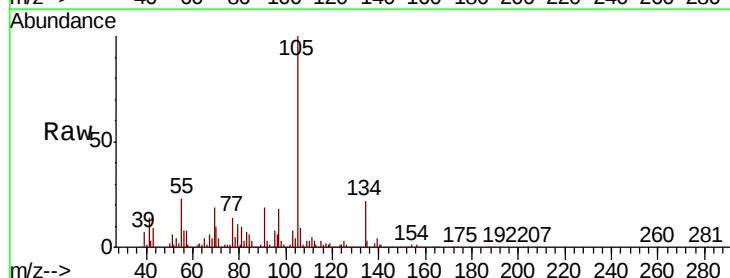
Acq: 08 May 2020 16:07

Tgt Ion:105 Resp: 575800

Ion Ratio Lower Upper

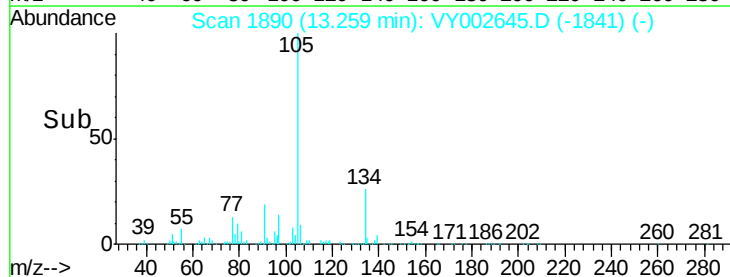
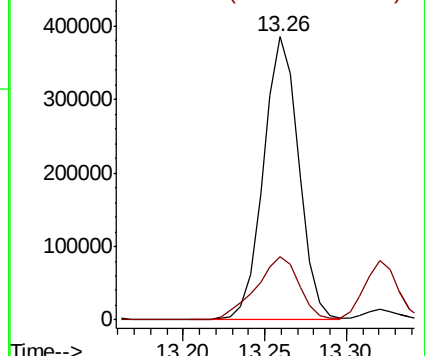
105 100

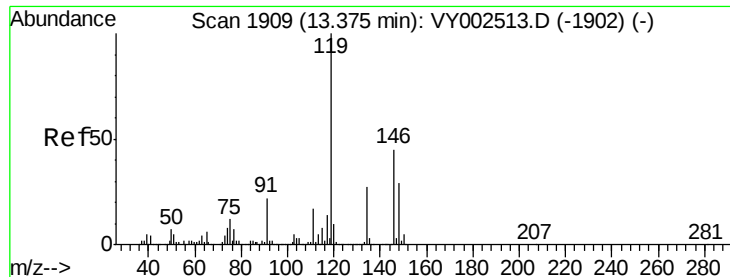
134 27.5 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





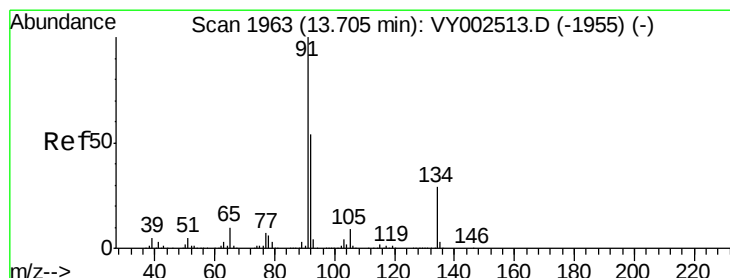
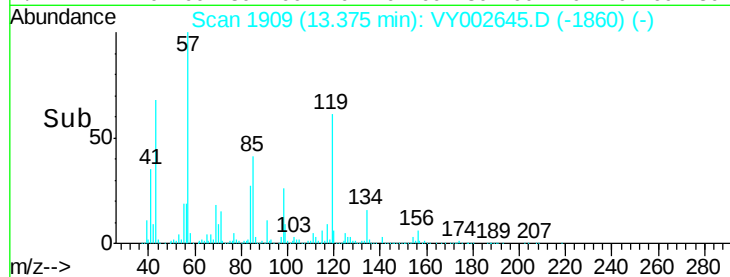
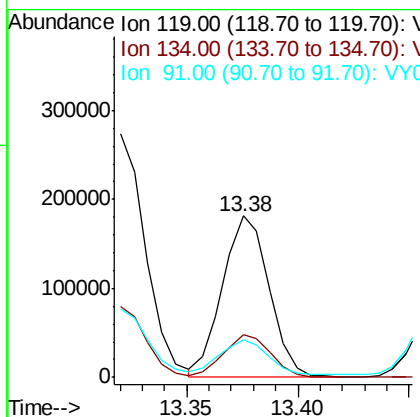
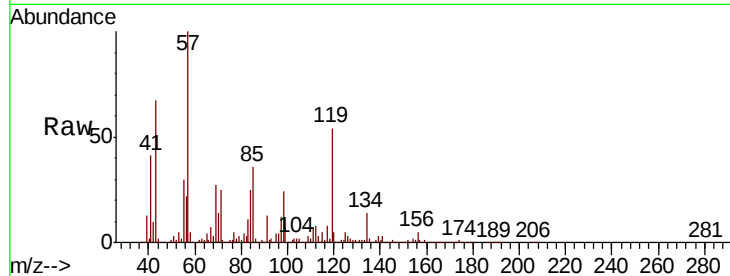
#86
p-Isopropyltoluene
Concen: 38.307 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Instrument :
MSVOA_Y
ClientSampled :
SW-1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	261943		
134	26.7	13.5	40.5	
91	22.8	10.9	32.9	

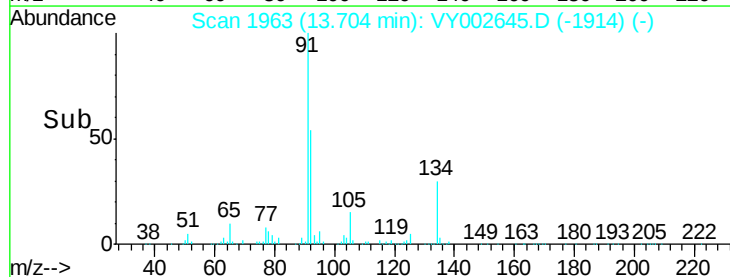
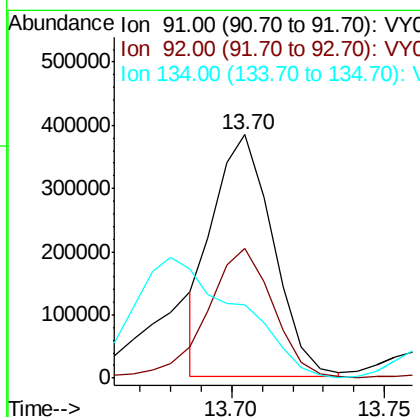
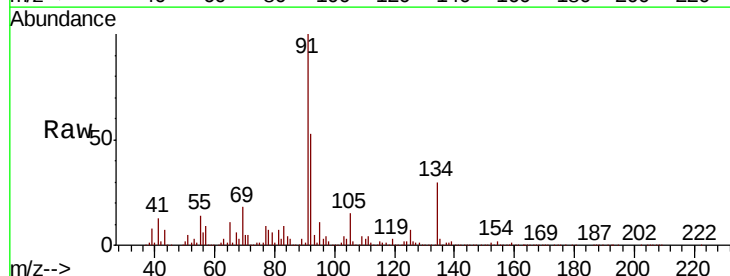
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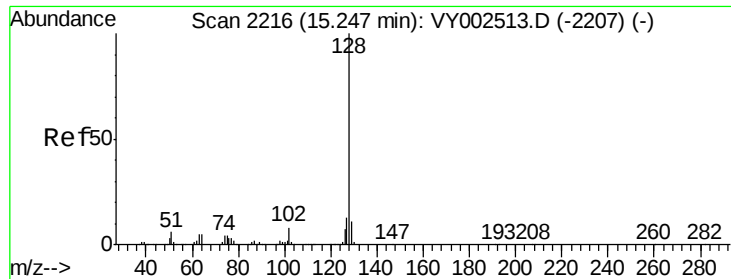
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#89
n-Butylbenzene
Concen: 84.354 ug/l m
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	525095		
92	58.1	27.1	81.3	
134	0.0	14.4	43.0#	





#95
Naphthalene
Concen: 95.621 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002645.D
Acq: 08 May 2020 16:07

Instrument :
MSVOA_Y
ClientSampleId :
SW-1

Tot Ion:	128	Resp:	386650
Ion Ratio	Lower	Upper	
128	100		
127	19.9	10.5	15.7#
129	14.7	8.8	13.2#

Manual Integrations
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5/11/2020 1:00:56 PM

