

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001507.D
 Acq On : 05 Feb 2020 15:20
 Operator : SY/MD
 Sample : L1329-22RE
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629RE

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 4:45:45 PM

Quant Time: Feb 06 07:33:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166299	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	309080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	215172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	39814	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	102229	61.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	122.10%	
35) Dibromofluoromethane	7.75	113	95992	53.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.20	98	333403	49.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.49	95	80447	30.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.56%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	4649	9.599	ug/l	91
25) 2-Butanone	7.03	43	4579	7.287	ug/l #	77
51) 4-Methyl-2-Pentanone	10.09	43	35328	26.470	ug/l	96
67) Ethyl Benzene	11.61	91	9455	1.210	ug/l	95
68) m/p-Xylenes	11.71	106	11957	4.077	ug/l	95
69) o-Xylene	12.04	106	7151	2.586	ug/l	96
73) Isopropylbenzene	12.34	105	4560	1.502	ug/l	84
78) n-propylbenzene	12.68	91	18103	4.980	ug/l	94
80) 1,3,5-Trimethylbenzene	12.82	105	20212	7.904	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	79305	31.333	ug/l	100
85) sec-Butylbenzene	13.27	105	12294	4.045	ug/l	91
86) p-Isopropyltoluene	13.38	119	7661	2.861	ug/l	98
89) n-Butylbenzene	13.70	91	20669m	7.822	ug/l	
95) Naphthalene	15.25	128	21584	11.941	ug/l #	88

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

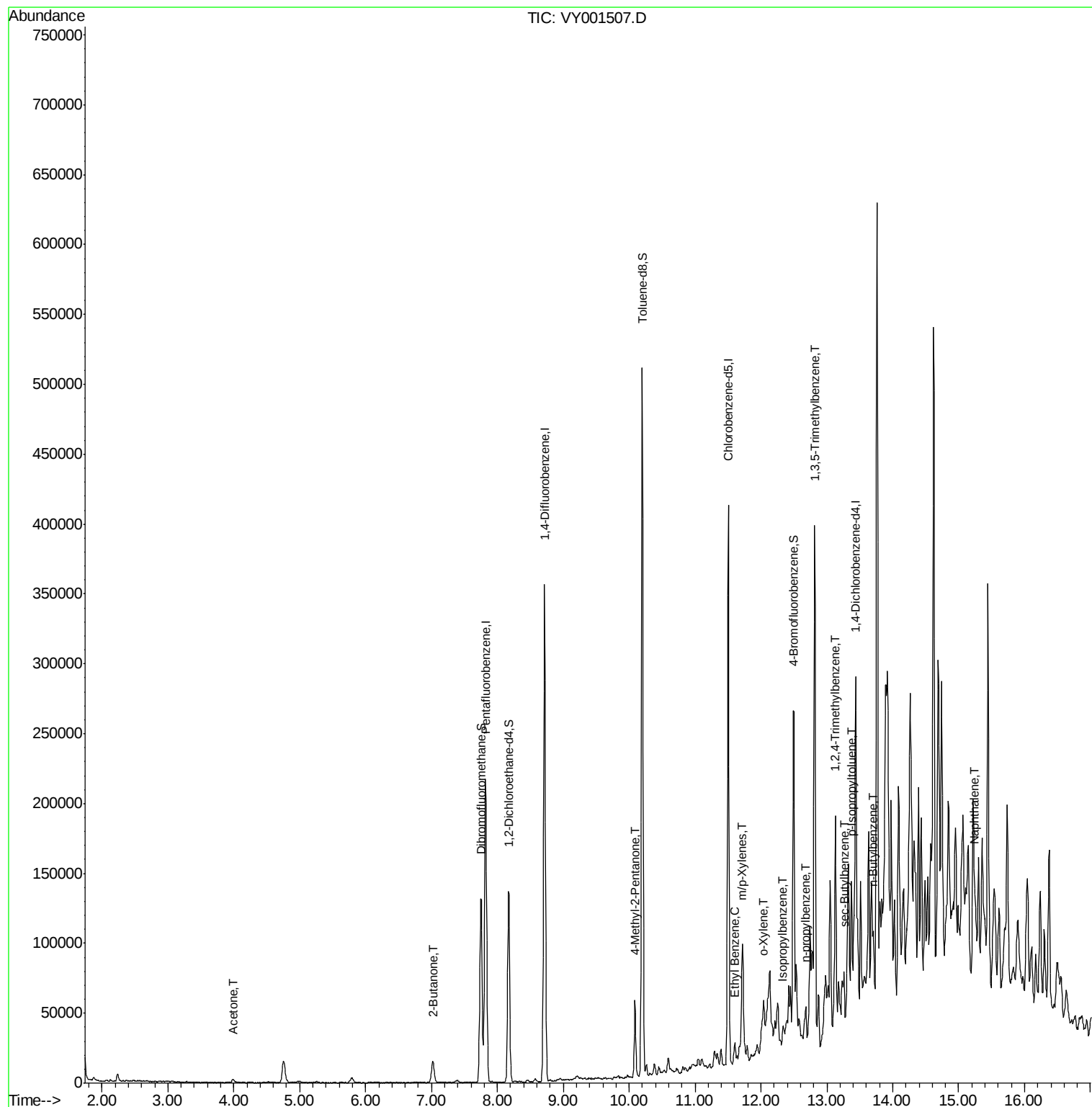
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
Data File : VY001507.D
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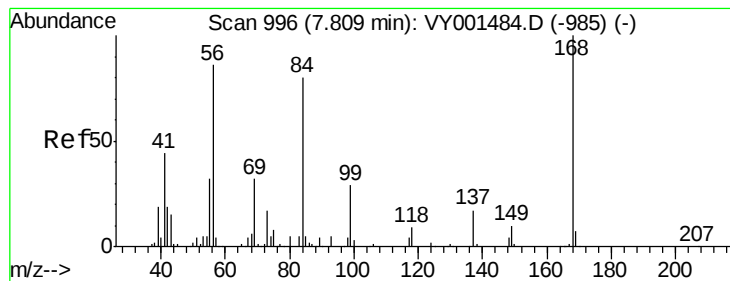
Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Manual Integrations
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2/6/2020 4:45:45 PM

Quant Time: Feb 06 07:33:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

628-629RE

Tot Ion:168 Resp: 166299

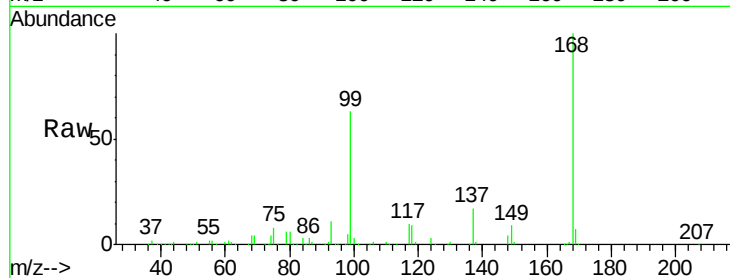
Ion Ratio Lower Upper

168 100

99 62.7 48.2 72.4

Manual Integrations
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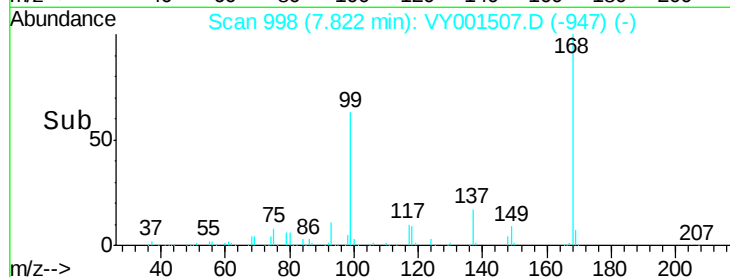


Abundance Ion 167.90 (167.60 to 168.60): VY001507.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001507.D (-947) (-)

7.82

Time-->



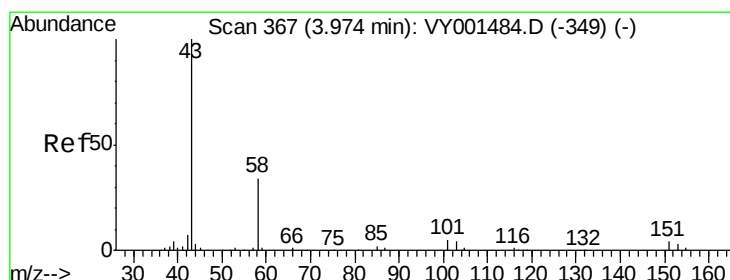
Abundance

Ion 167.90 (167.60 to 168.60): VY001507.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001507.D (-947) (-)

7.82

Time-->



#16

Acetone

Concen: 9.599 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001507.D

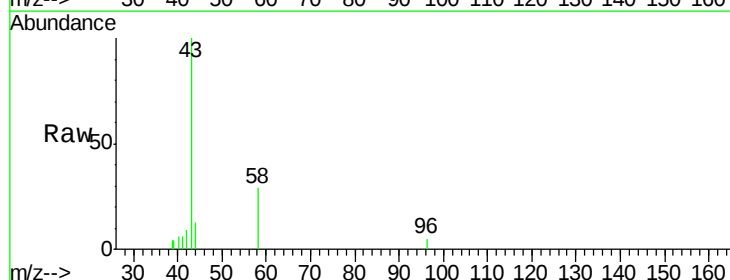
Acq: 05 Feb 2020 15:20

Tgt Ion: 43 Resp: 4649

Ion Ratio Lower Upper

43 100

58 29.2 27.5 41.3

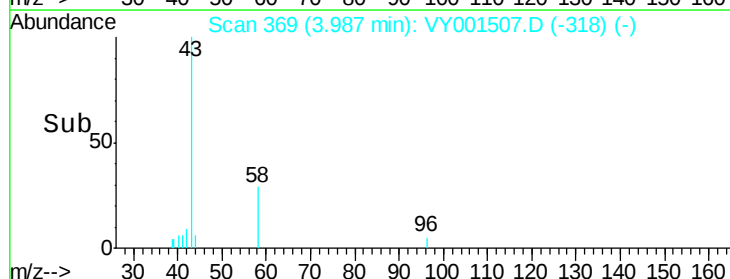


Abundance Ion 43.00 (42.70 to 43.70): VY001507.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001507.D (-318) (-)

3.99

Time-->



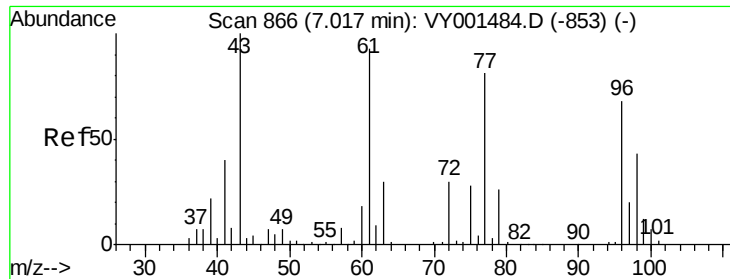
Abundance

Ion 43.00 (42.70 to 43.70): VY001507.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001507.D (-318) (-)

3.99

Time-->



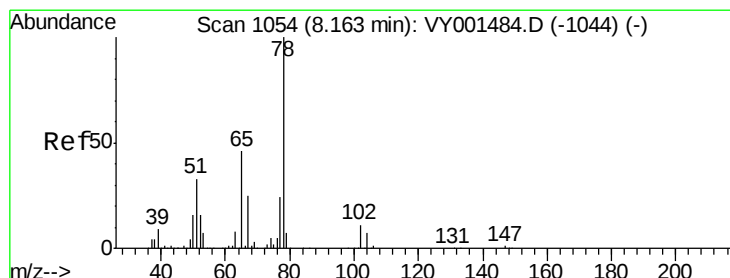
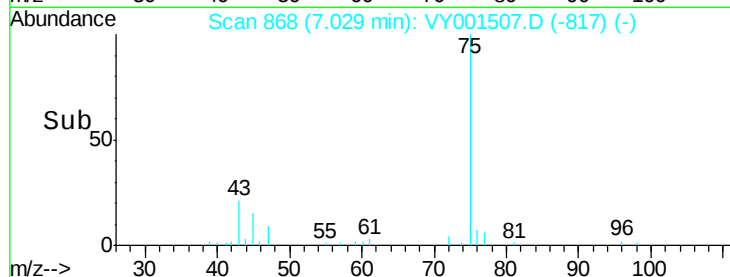
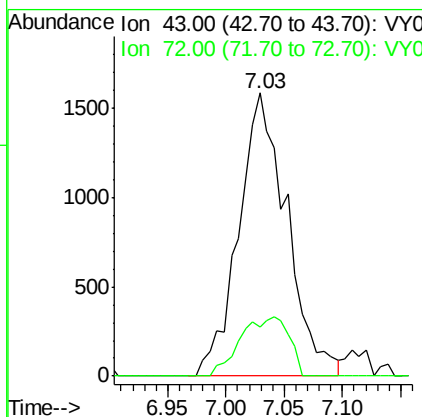
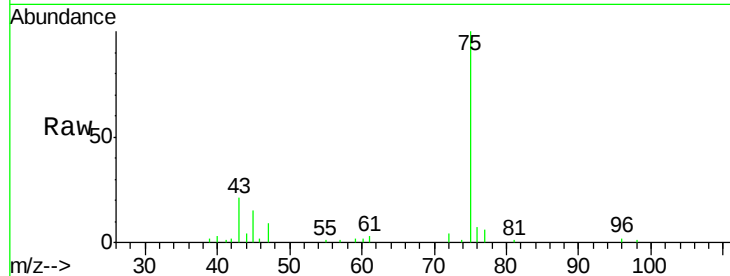
#25
2-Butanone
Concen: 7.287 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Tot Ion: 43 Resp: 4579
Ion Ratio Lower Upper
43 100
72 17.2 23.8 35.8#

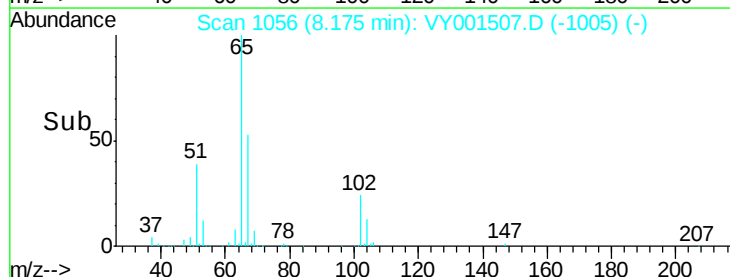
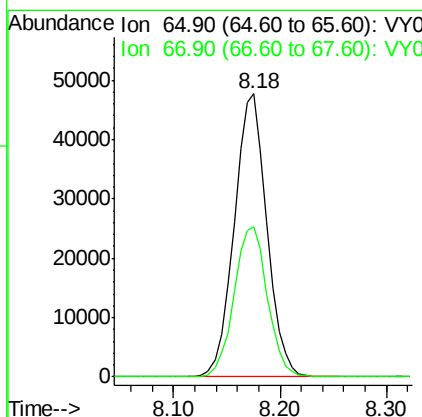
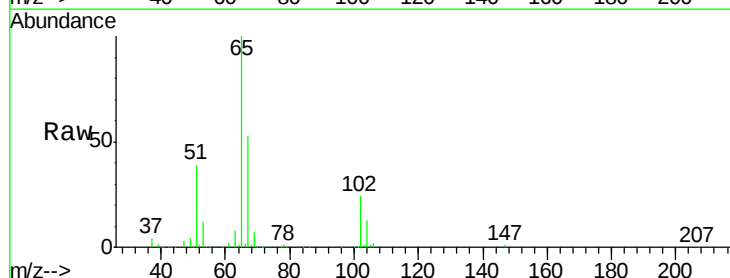
Manual Integrations
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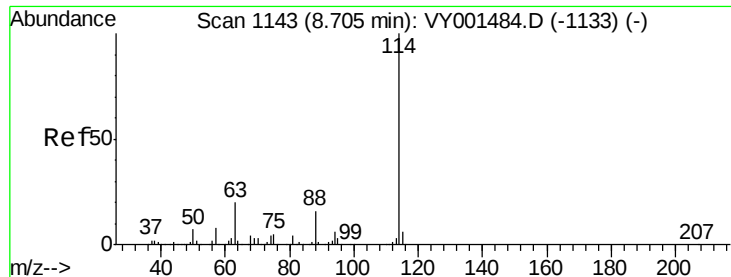
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#33
1,2-Dichloroethane-d4
Concen: 61.054 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion: 65 Resp: 102229
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.6





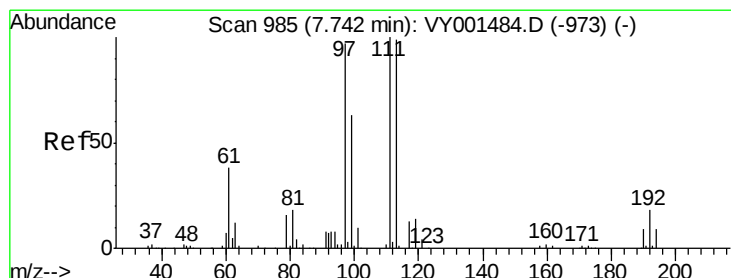
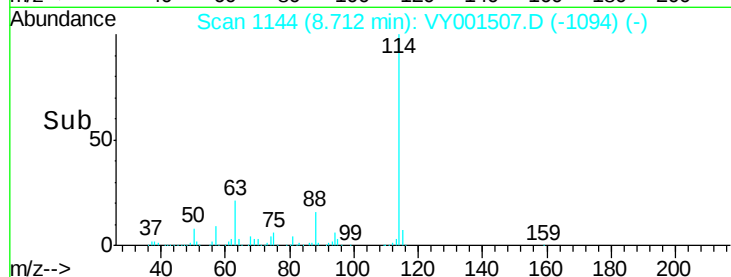
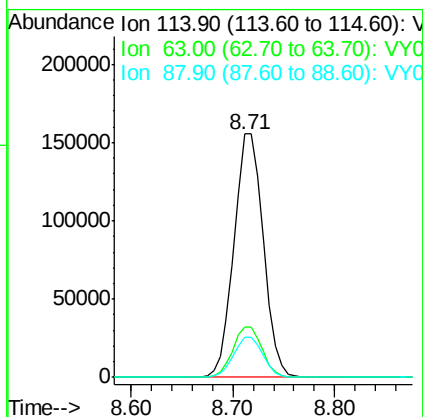
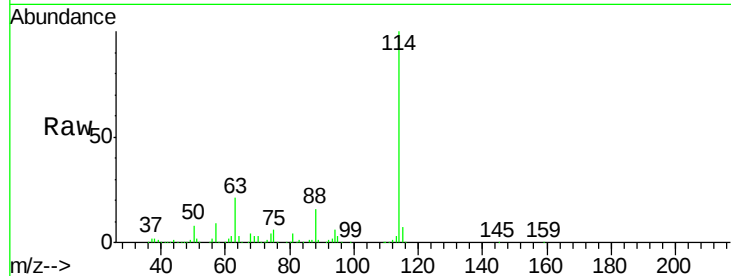
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629RE

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.8	0.0	39.8
88	16.4	0.0	32.6

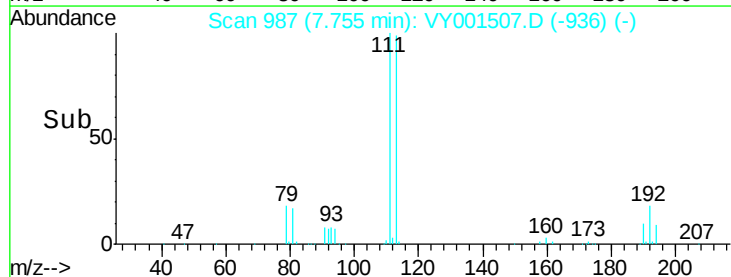
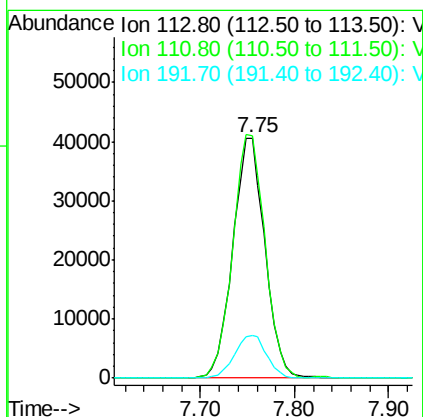
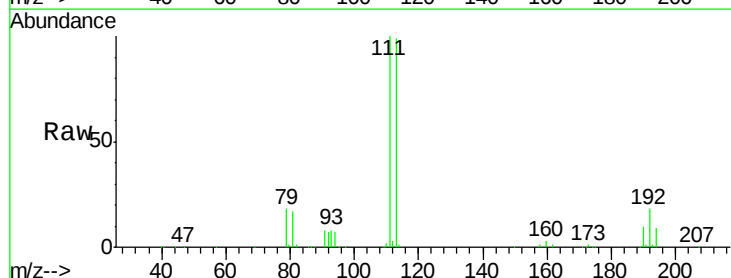
Manual Integrations
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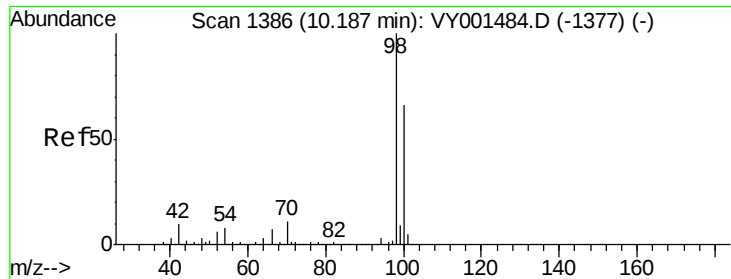
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#35
 Dibromofluoromethane
 Concen: 53.858 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.2	82.9	124.3
192	17.8	14.6	22.0





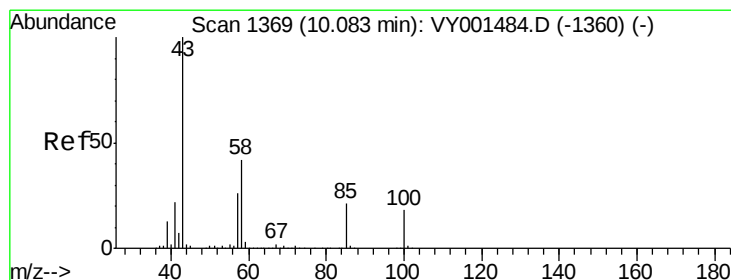
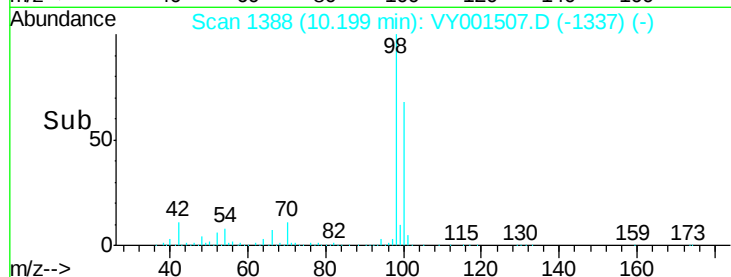
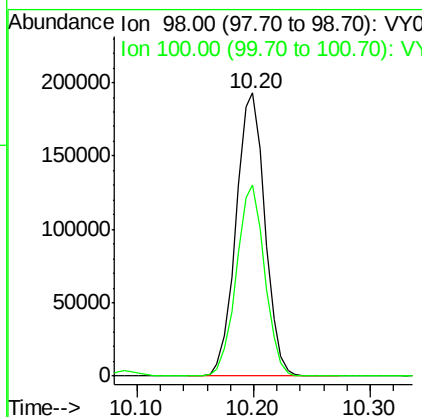
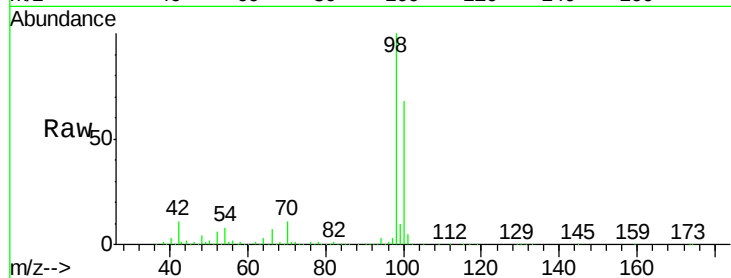
#50
Toluene-d8
Concen: 49.443 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Tot Ion: 98 Resp: 333403
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6

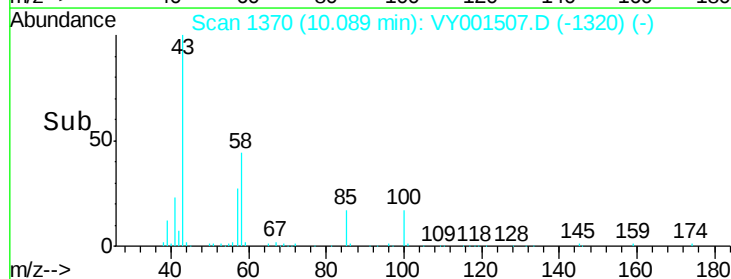
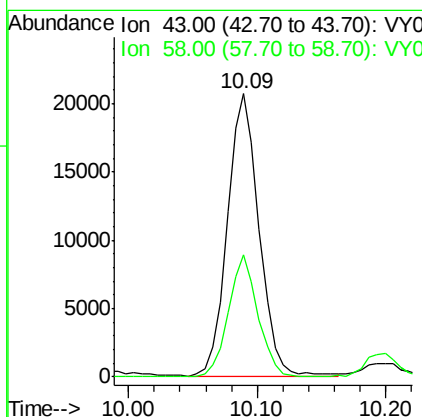
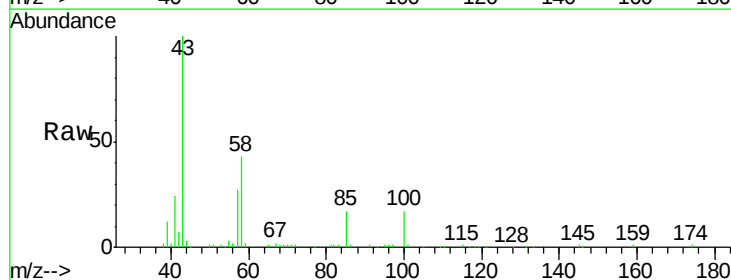
Manual Integrations
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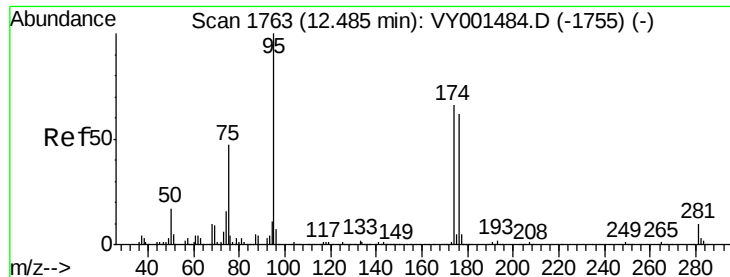
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#51
4-Methyl-2-Pentanone
Concen: 26.470 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion: 43 Resp: 35328
Ion Ratio Lower Upper
43 100
58 40.0 33.9 50.9





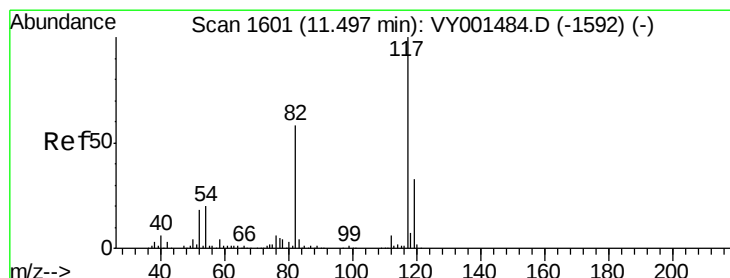
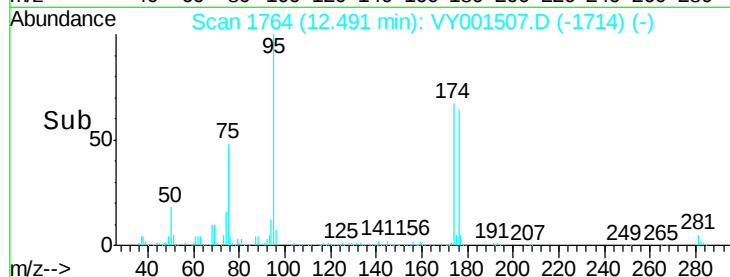
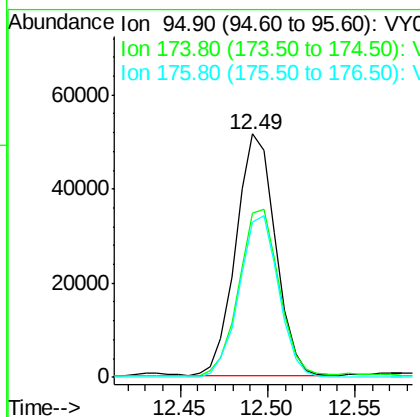
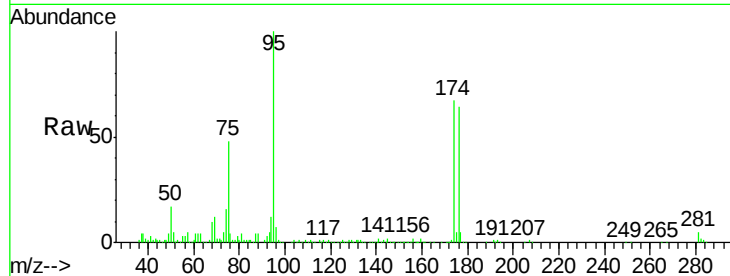
#62
4-Bromofluorobenzene
Concen: 30.283 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Tot Ion	Ratio	Resp	Lower	Upper
95	100	80447		
174	71.0	0.0	141.4	
176	66.8	0.0	135.4	

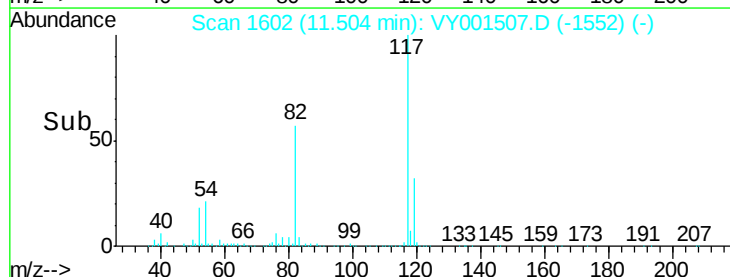
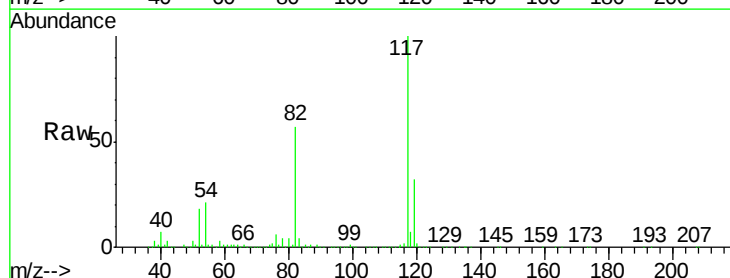
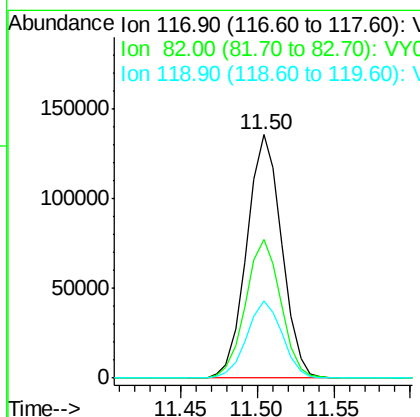
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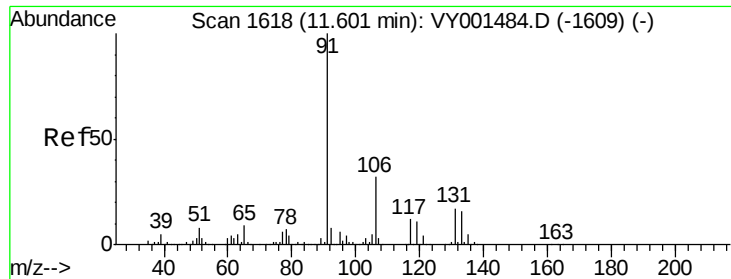
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	215172		
82	56.8	46.1	69.1	
119	31.4	26.1	39.1	





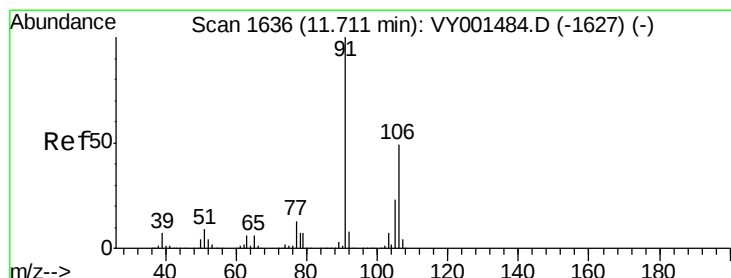
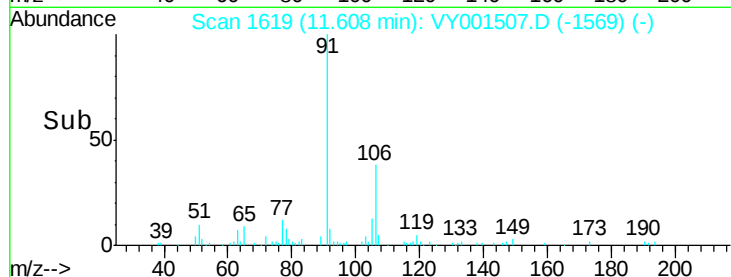
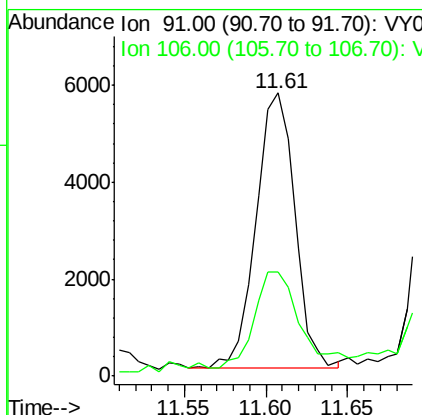
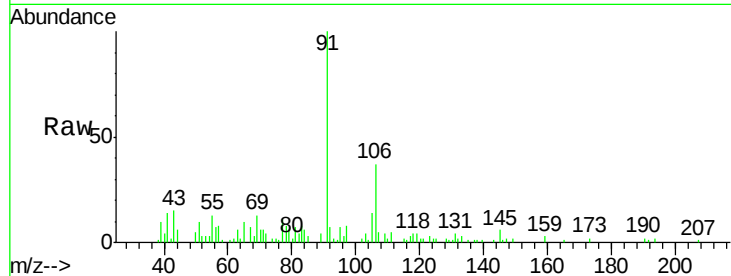
#67
Ethyl Benzene
Concen: 1.210 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Tot Ion: 91 Resp: 9455
Ion Ratio Lower Upper
91 100
106 34.6 25.3 37.9

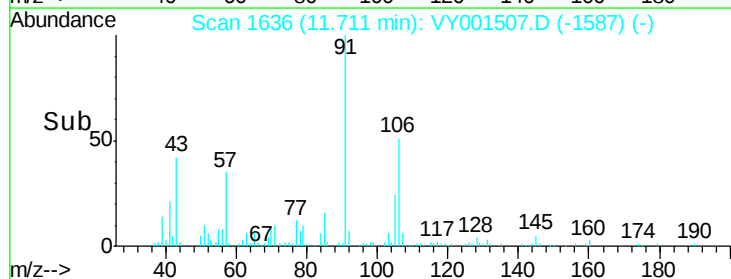
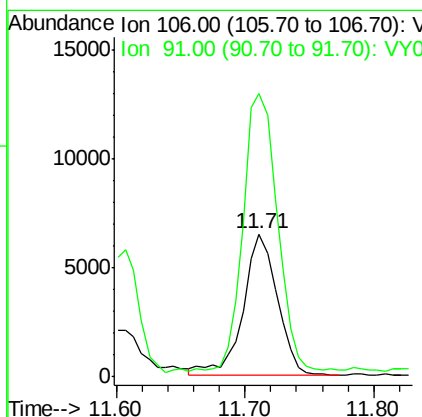
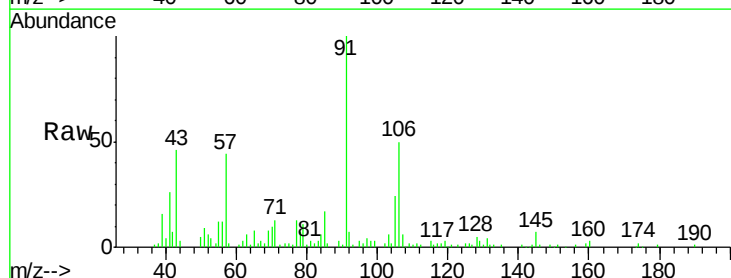
Manual Integrations
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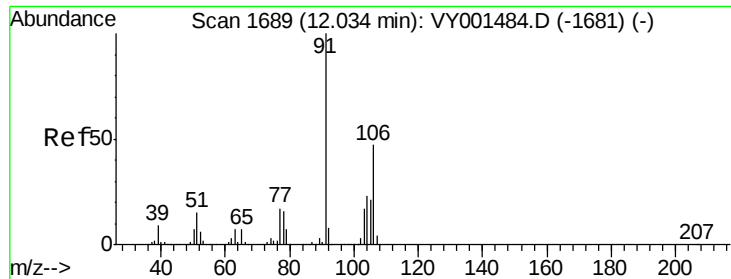
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#68
m/p-Xylenes
Concen: 4.077 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion: 106 Resp: 11957
Ion Ratio Lower Upper
106 100
91 196.8 163.6 245.4





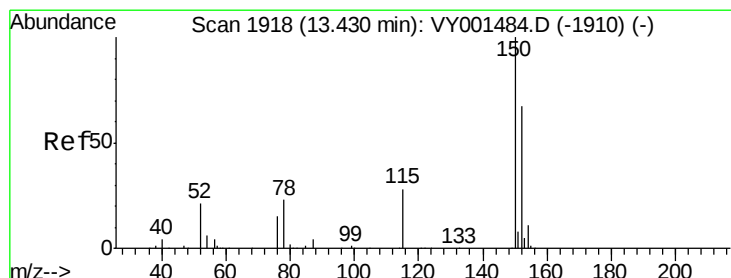
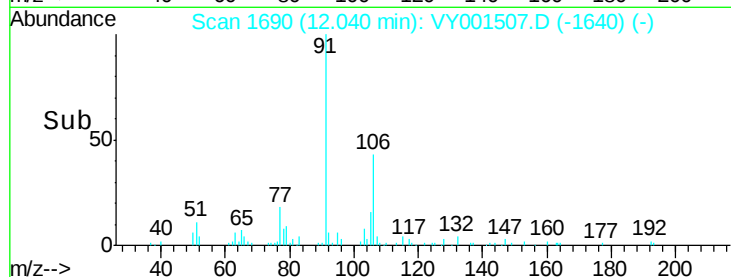
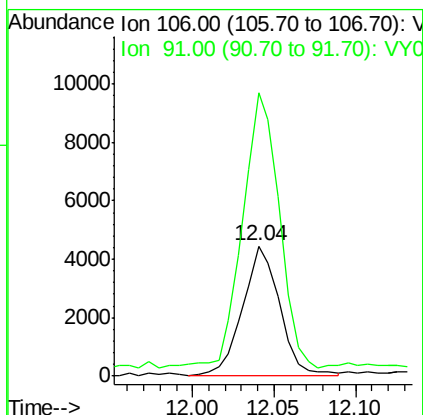
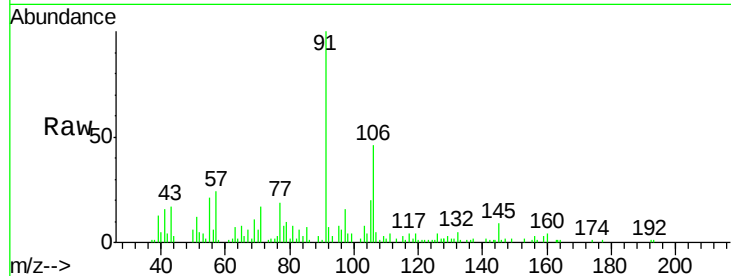
#69
o-Xylene
Concen: 2.586 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampled :
628-629RE

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.5	106.0	318.0

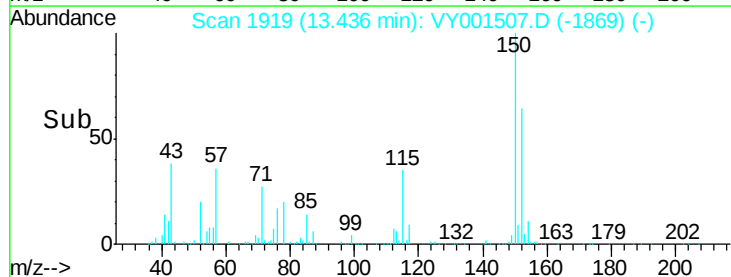
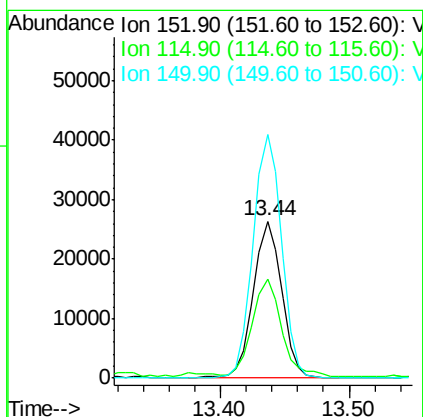
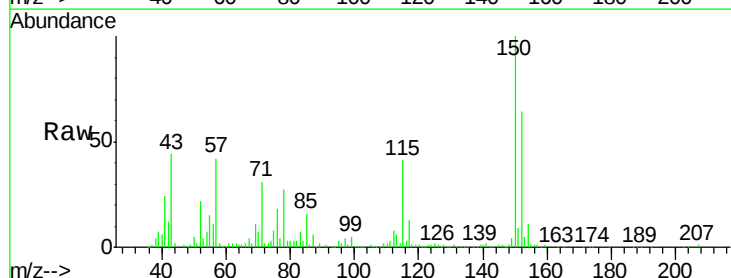
Manual Integrations
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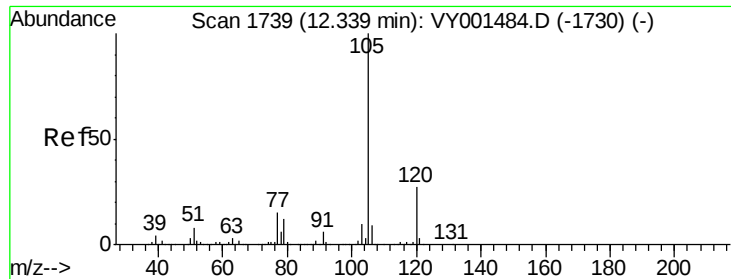
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2/6/2020 4:45:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.4	94.3
150	156.6	0.0	346.8





#73

Isopropylbenzene

Concen: 1.502 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

628-629RE

Tot Ion:105 Resp: 4560

Ion Ratio Lower Upper

105 100

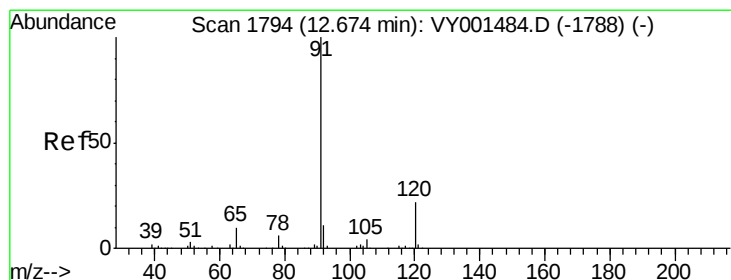
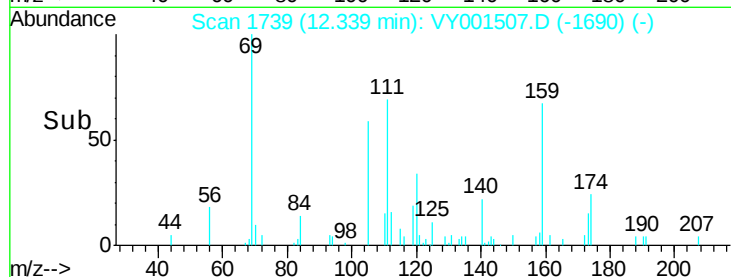
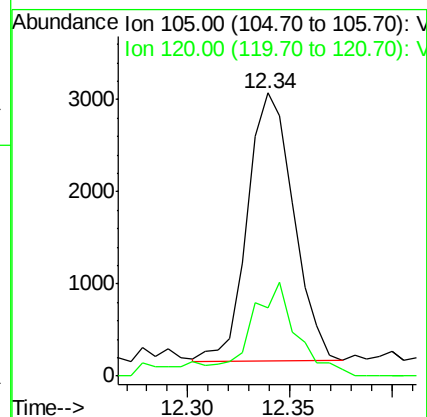
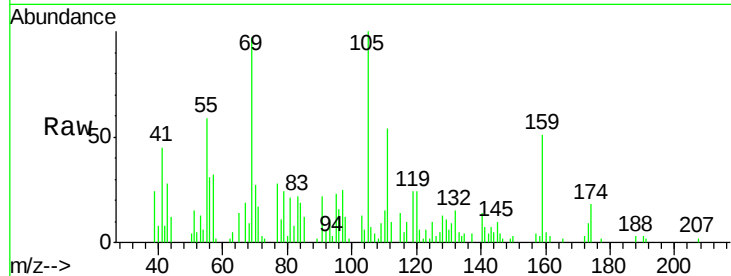
120 34.7 13.3 39.9

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#78

n-propylbenzene

Concen: 4.980 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001507.D

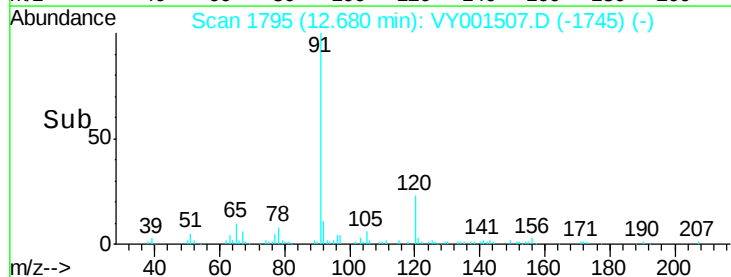
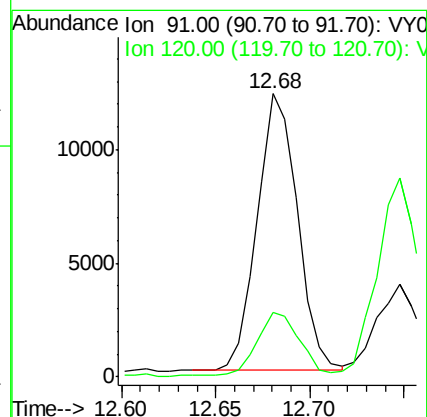
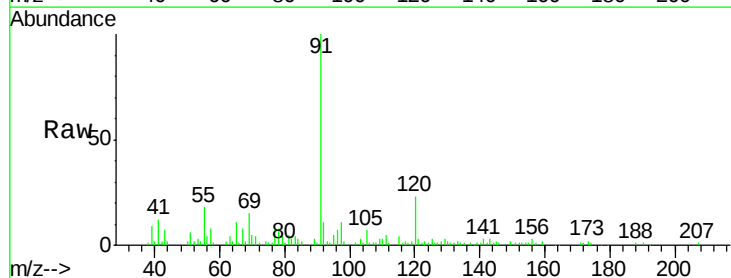
Acq: 05 Feb 2020 15:20

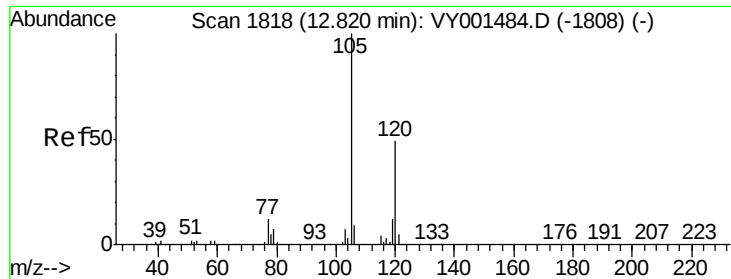
Tgt Ion: 91 Resp: 18103

Ion Ratio Lower Upper

91 100

120 25.5 11.4 34.2





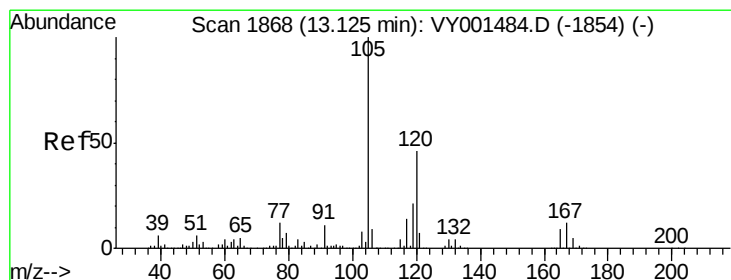
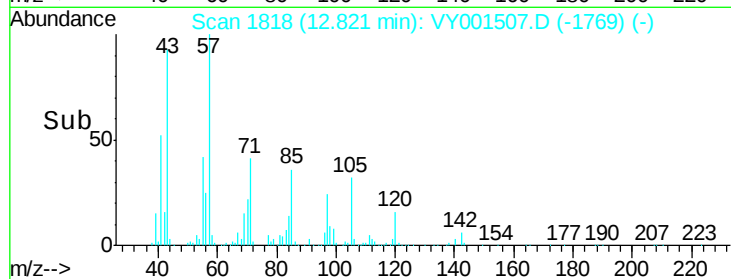
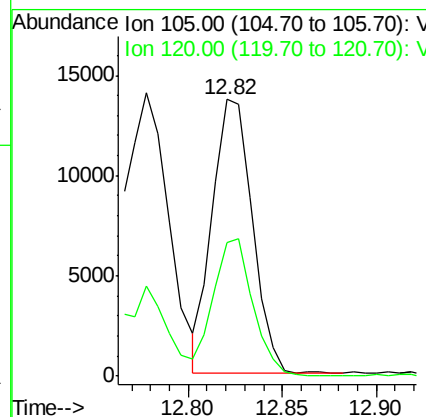
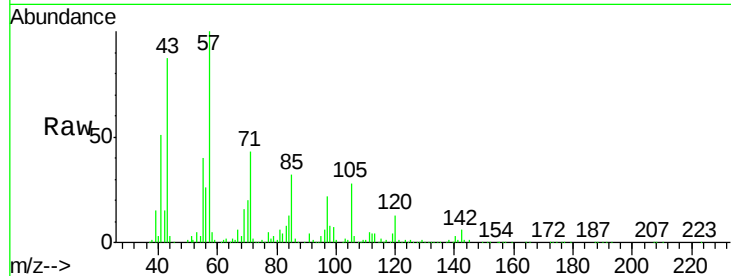
#80
 1,3,5-Trimethylbenzene
 Concen: 7.904 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 628-629RE

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.1	72.2

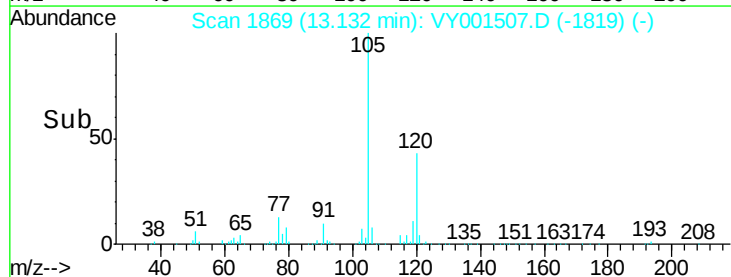
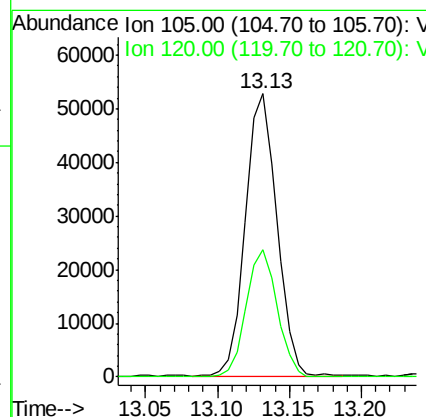
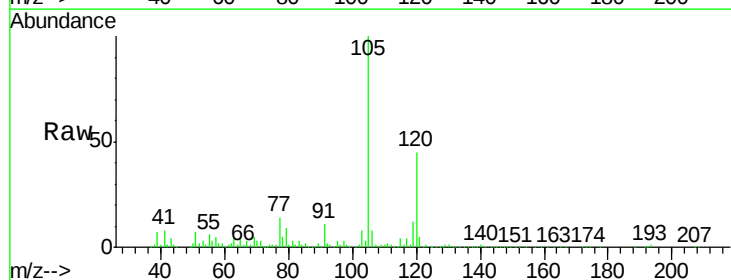
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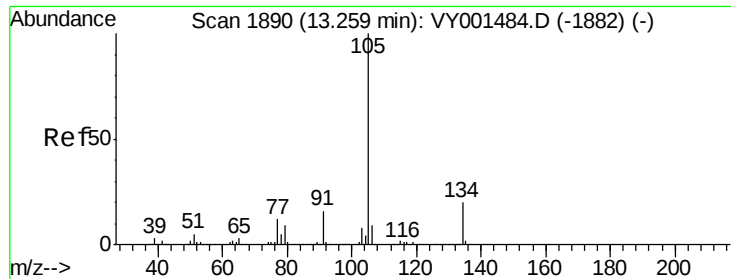
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#84
 1,2,4-Trimethylbenzene
 Concen: 31.333 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001507.D
 Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.0





#85

sec-Butylbenzene

Concen: 4.045 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

628-629RE

Tot Ion:105 Resp: 12294

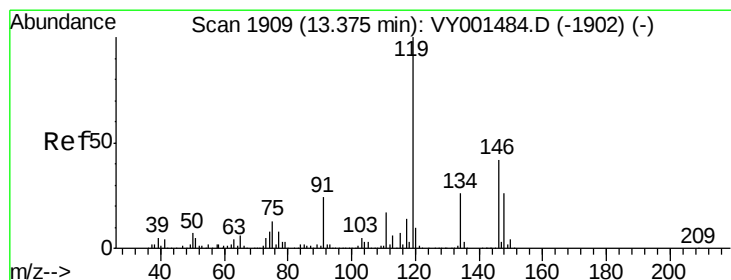
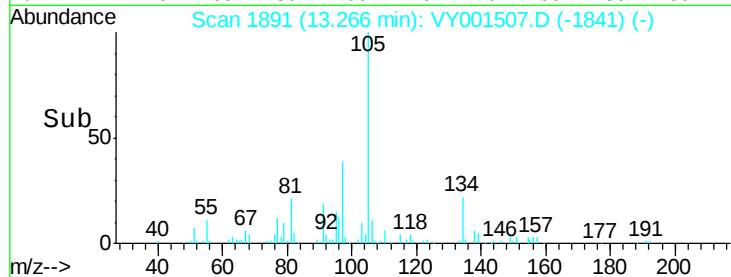
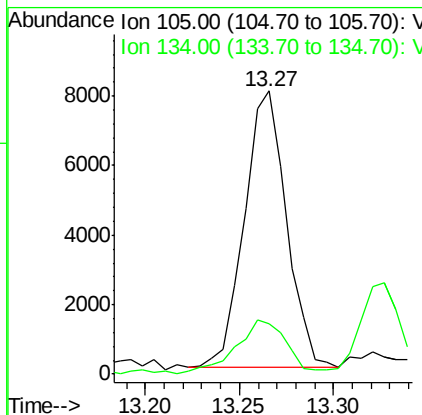
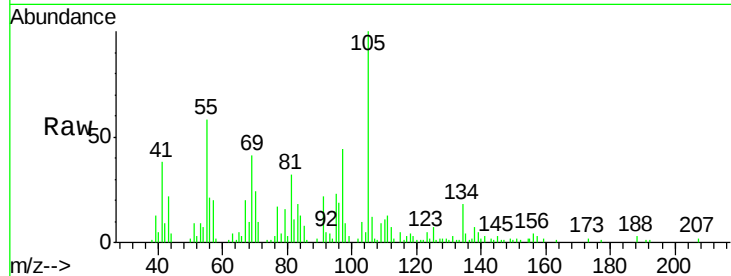
Ion Ratio Lower Upper

105 100

134 23.9 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 2.861 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001507.D

Acq: 05 Feb 2020 15:20

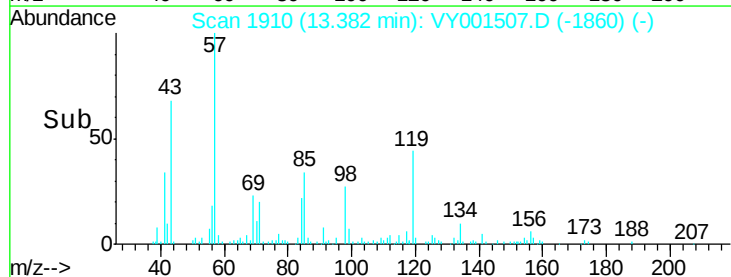
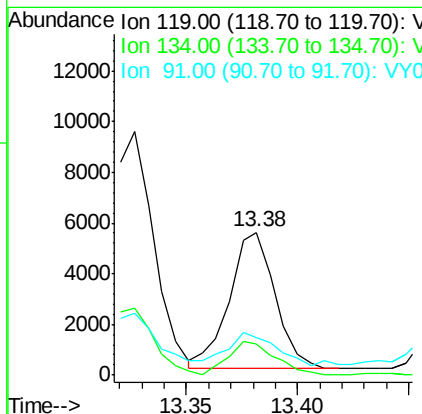
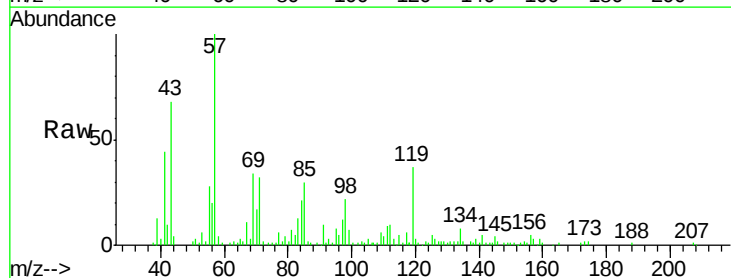
Tgt Ion:119 Resp: 7661

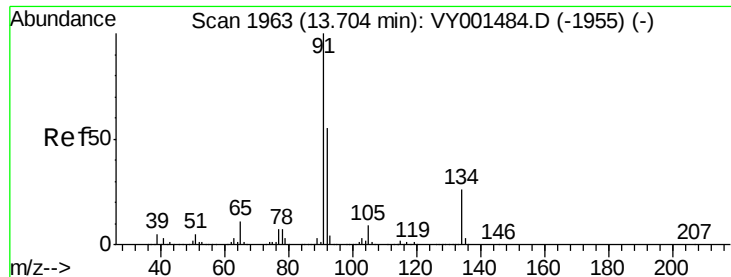
Ion Ratio Lower Upper

119 100

134 25.2 13.3 39.8

91 25.1 12.2 36.6





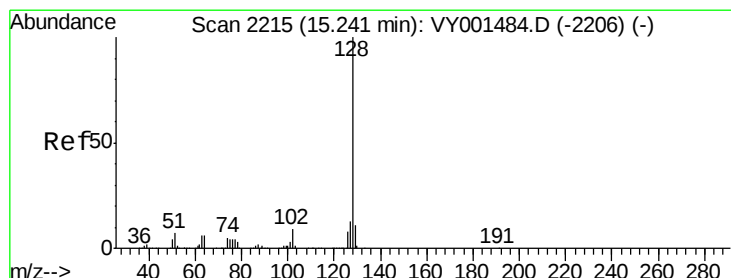
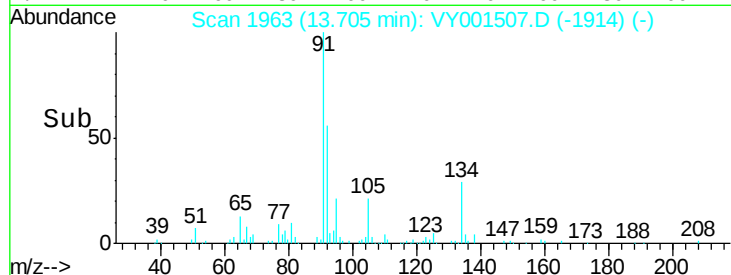
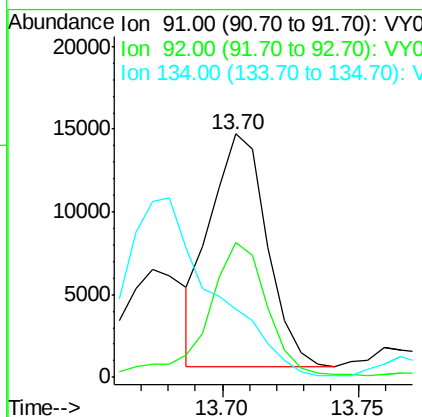
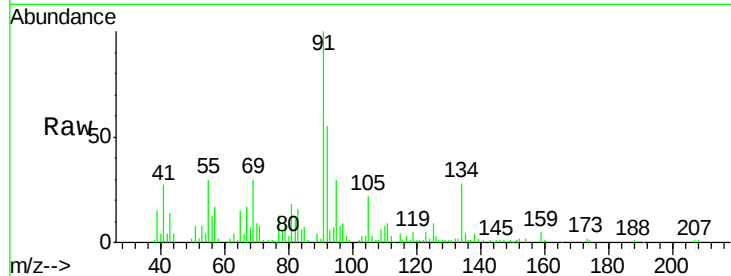
#89
n-Butylbenzene
Concen: 7.822 ug/l m
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
628-629RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	27.3	81.9
134	0.0	13.0	38.9#

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#95
Naphthalene
Concen: 11.941 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001507.D
Acq: 05 Feb 2020 15:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.1	15.1#
129	16.2	8.9	13.3#

