

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
 Data File : VY001945.D
 Acq On : 11 Mar 2020 16:01
 Operator : SY/MD
 Sample : L1893-17
 Misc : 10.98G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14(1.5-2)

Manual Integrations
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 3/12/2020 2:46:18 PM

Quant Time: Mar 12 09:20:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	53834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	172547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.52	117	140610	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.41	152	61358	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	73847	128.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	256.98%	
35) Dibromofluoromethane	7.75	113	61952	65.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.50%	
50) Toluene-d8	10.24	98	4036238	1015.91	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	2031.82%	
62) 4-Bromofluorobenzene	12.49	95	1252098	906.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	1812.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.21	76	19665	9.774	ug/l	99
31) Cyclohexane	7.83	56	14811341	11727.890	ug/l	97
39) Methylcyclohexane	9.25	83	36469789	16560.097	ug/l #	91
40) Benzene	8.19	78	176044	35.770	ug/l	94
67) Ethyl Benzene	11.63	91	10792842	2065.546	ug/l	98
68) m/p-Xylenes	11.74	106	3458093	1790.089	ug/l	97
69) o-Xylene	12.06	106	980388	538.444	ug/l	69
73) Isopropylbenzene	12.36	105	5360541	1144.458	ug/l	99
78) n-propylbenzene	12.69	91	6680380	1156.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	1999255	518.479	ug/l	97
83) tert-Butylbenzene	13.09	119	215786	67.376	ug/l	70
84) 1,2,4-Trimethylbenzene	13.13	105	11278616	2947.323	ug/l	99
85) sec-Butylbenzene	13.27	105	1289769	273.214	ug/l #	64
86) p-Isopropyltoluene	13.38	119	1619223	397.622	ug/l	93
89) n-Butylbenzene	13.70	91	728472m	172.422	ug/l	
95) Naphthalene	15.24	128	117715	43.316	ug/l	97

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

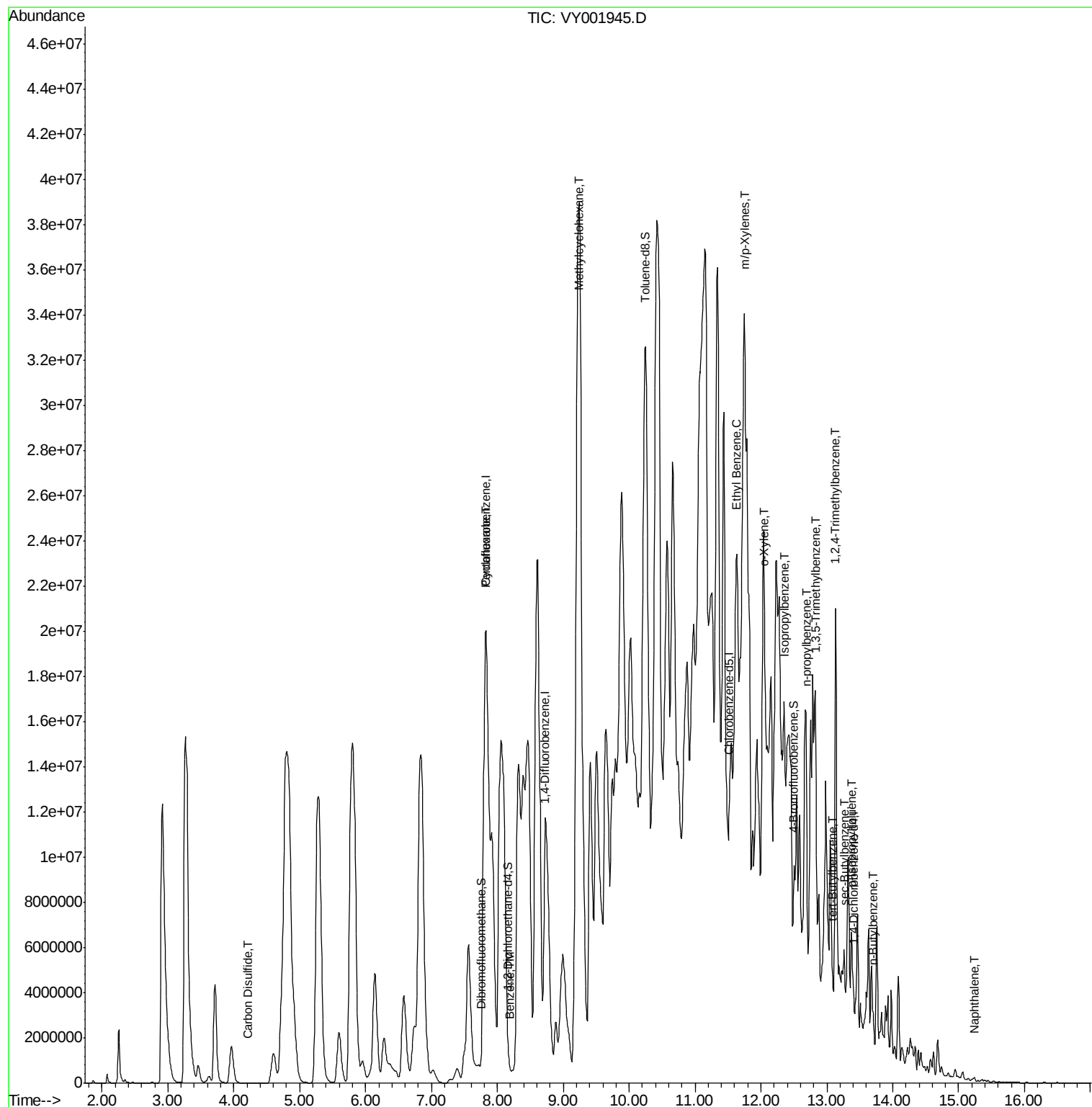
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
Data File : VY001945.D
Acq On : 11 Mar 2020 16:01
Operator : SY/MD
Sample : L1893-17
Misc : 10.98G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

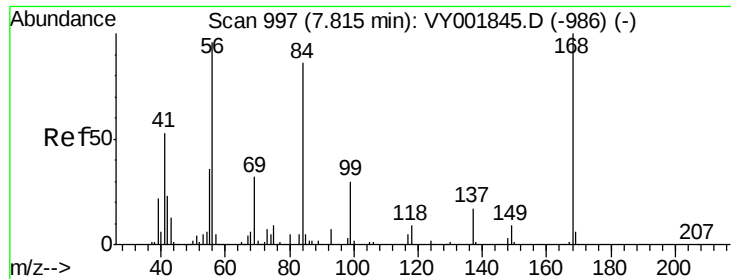
Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 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: VY001945.D

Acq: 11 Mar 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-14(1.5-2)

Tot Ion:168 Resp: 53834

Ion Ratio Lower Upper

168 100

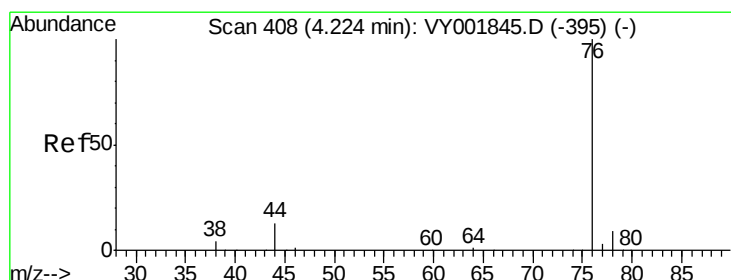
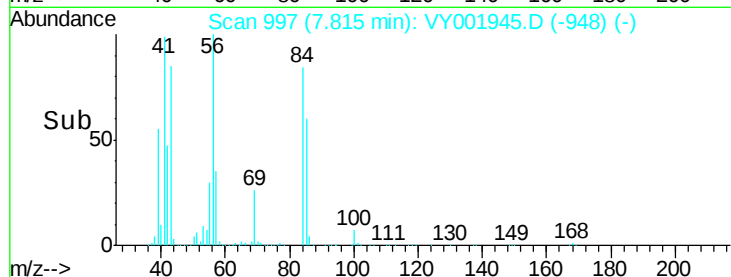
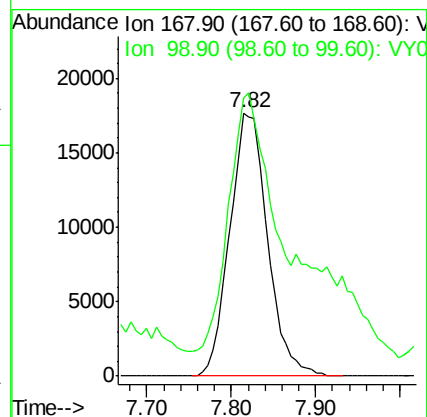
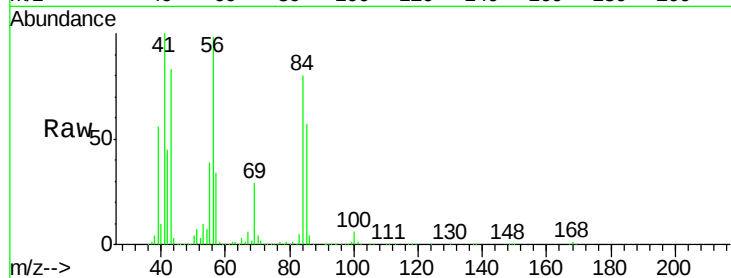
99 96.3 46.7 70.1#

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#17

Carbon Disulfide

Concen: 9.774 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001945.D

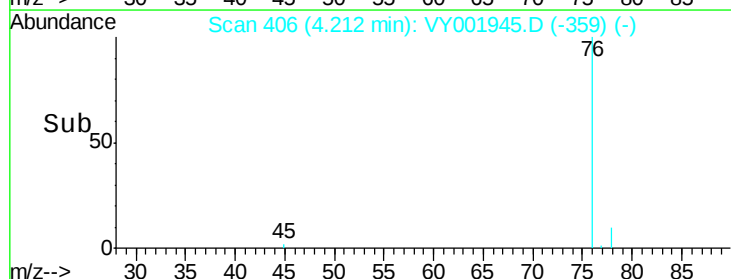
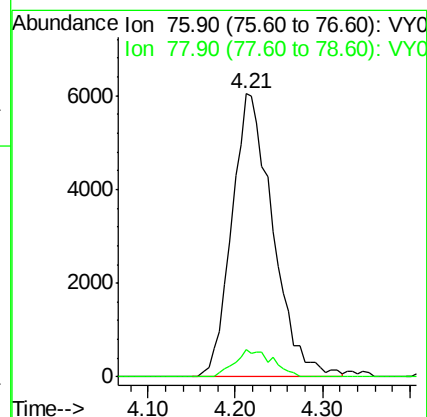
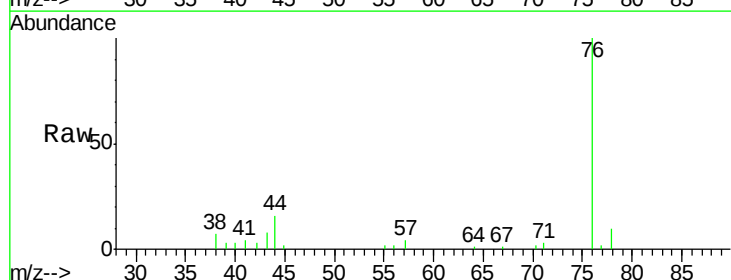
Acq: 11 Mar 2020 16:01

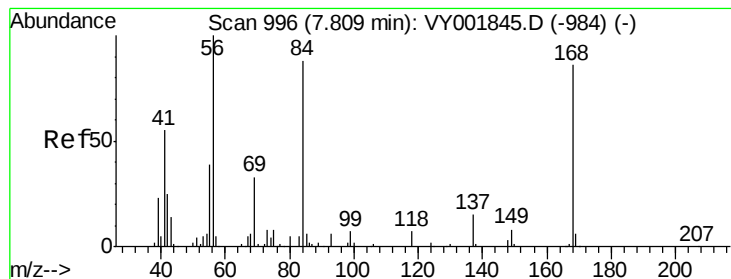
Tgt Ion: 76 Resp: 19665

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





#31

Cyclohexane

Concen: 11727.890 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001845.D

Acq: 11 Mar 2020 16:01

Tot Ion: 56 Resp: 14811341

Ion Ratio Lower Upper

56 100

69 27.2 26.7 40.1

84 87.4 70.4 105.6

Instrument :

MSVOA_Y

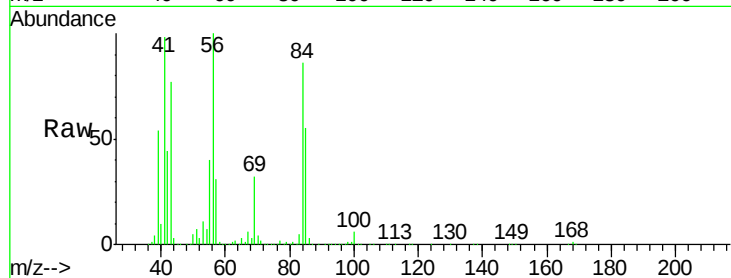
ClientSampleId :

TP-14(1.5-2)

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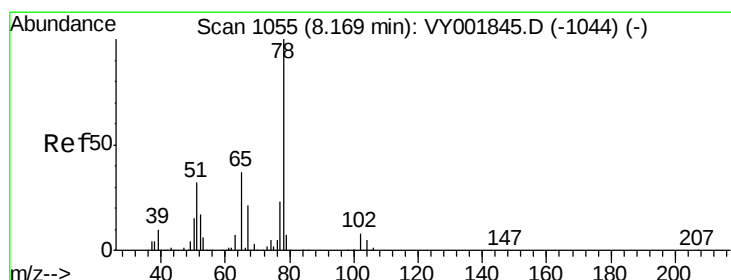
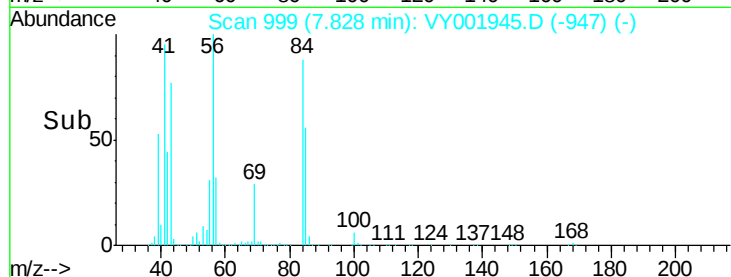
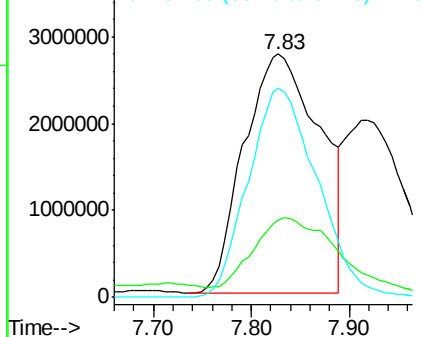
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Abundance Ion 56.00 (55.70 to 56.70): VY001845.D (-984) (-)

Ion 69.00 (68.70 to 69.70): VY001845.D (-984) (-)

Ion 84.00 (83.70 to 84.70): VY001845.D (-984) (-)



#33

1,2-Dichloroethane-d4

Concen: 128.494 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001845.D

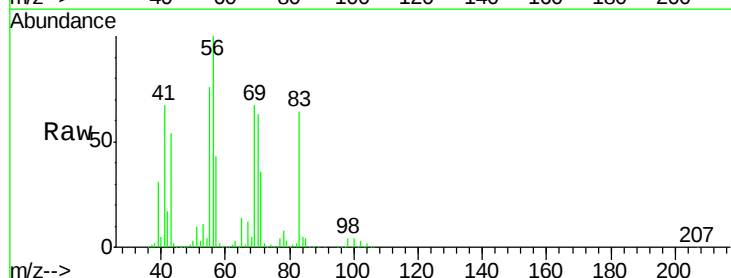
Acq: 11 Mar 2020 16:01

Tgt Ion: 65 Resp: 73847

Ion Ratio Lower Upper

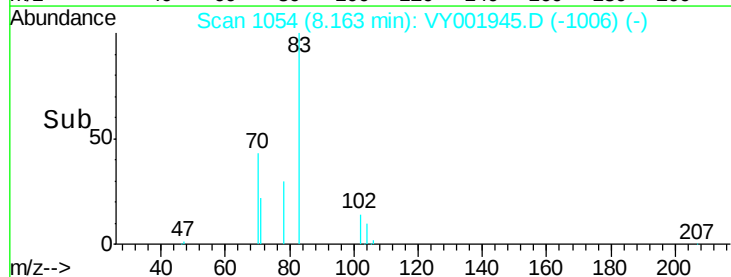
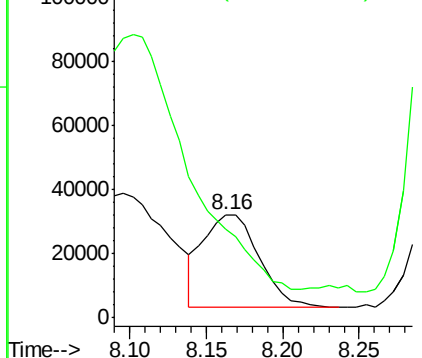
65 100

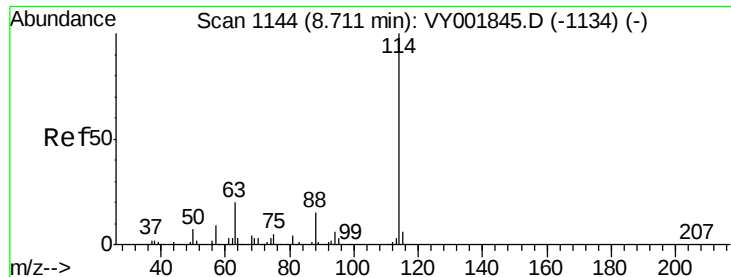
67 0.0 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001945.D

Acq: 11 Mar 2020 16:01

Instrument :

MSVOA_Y

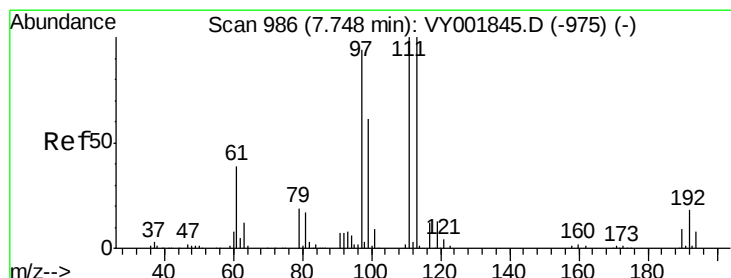
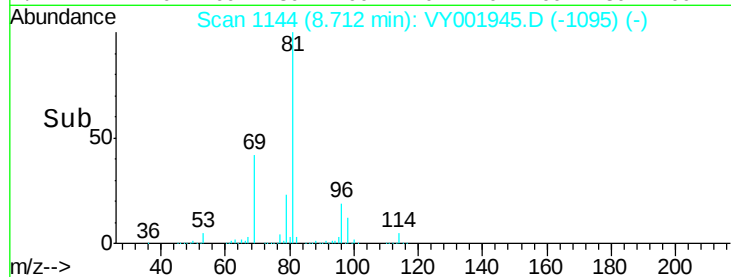
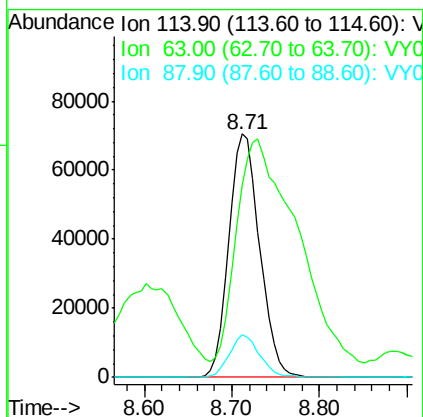
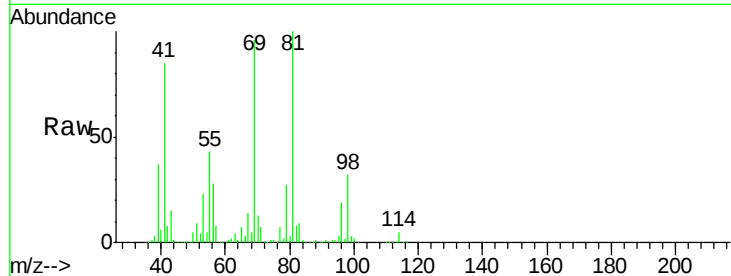
ClientSampleId :

TP-14(1.5-2)

Tot Ion:	114	Resp:	172547
Ion Ratio	Lower	Upper	
114	100		
63	63.6	0.0	39.4#
88	17.3	0.0	30.4

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#35

Dibromofluoromethane

Concen: 65.754 ug/l

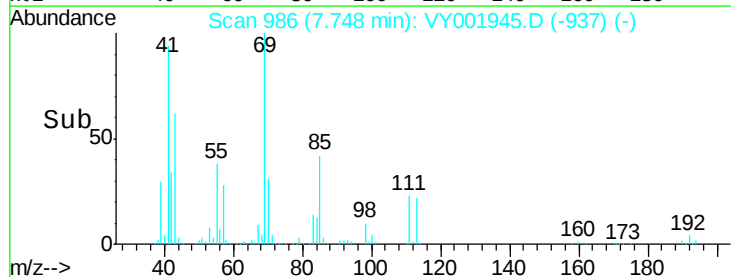
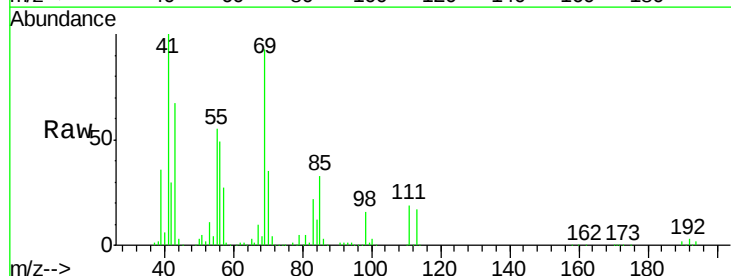
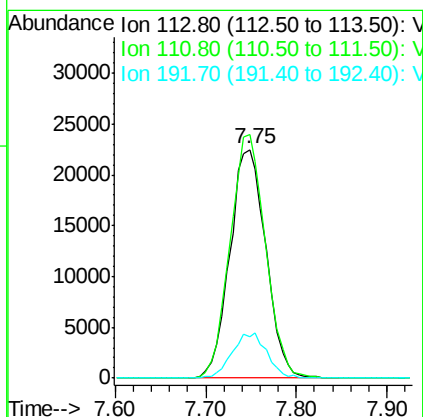
RT: 7.75 min Scan# 986

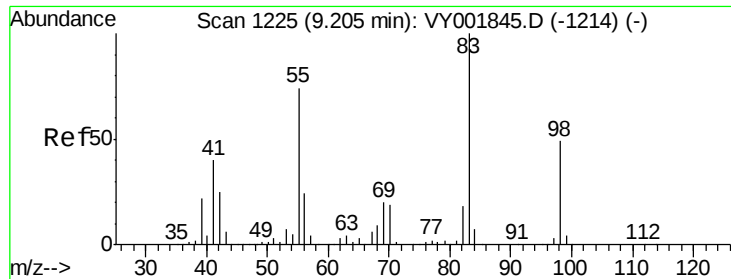
Delta R.T. 0.00 min

Lab File: VY001945.D

Acq: 11 Mar 2020 16:01

Tgt Ion:	113	Resp:	61952
Ion Ratio	Lower	Upper	
113	100		
111	104.7	81.8	122.8
192	19.0	14.2	21.2





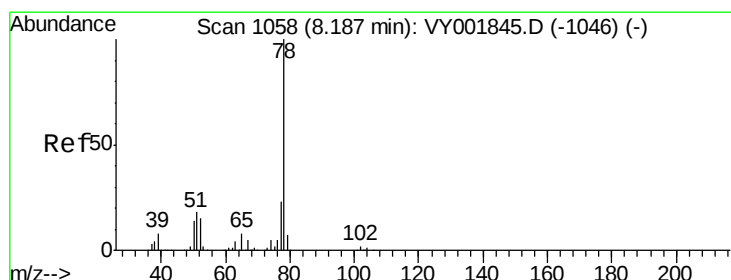
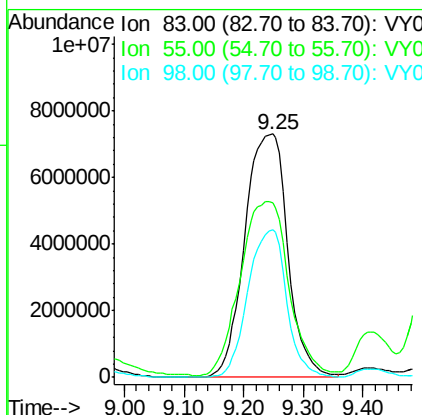
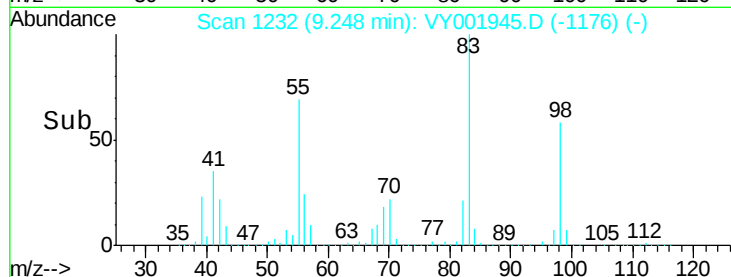
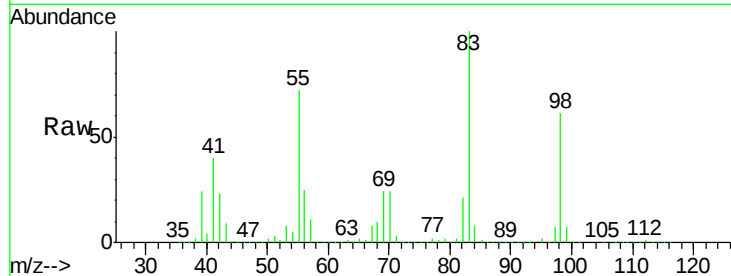
#39
Methvlcvclohexane
Concen: 16560.097 ug/l
RT: 9.25 min Scan# 1232
Delta R.T. 0.04 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion: 83 Resp: 36469789
Ion Ratio Lower Upper
83 100
55 70.8 59.4 89.0
98 60.5 38.9 58.3#

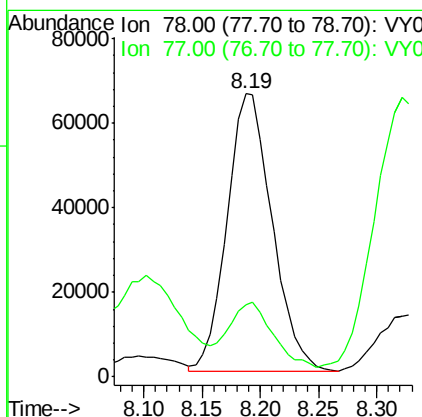
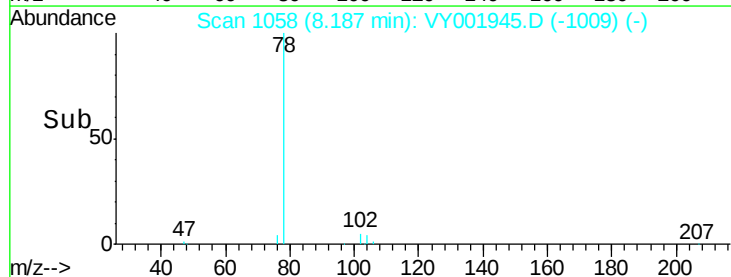
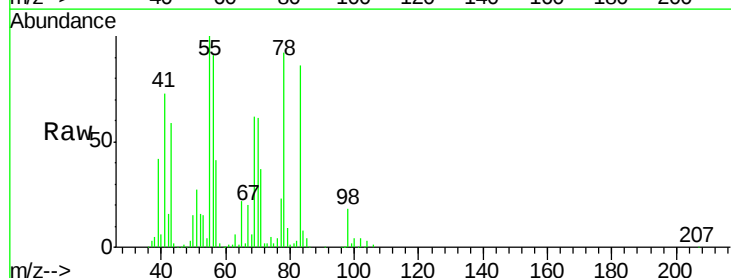
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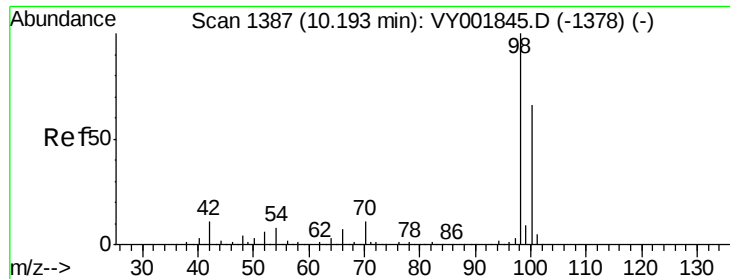
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#40
Benzene
Concen: 35.770 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion: 78 Resp: 176044
Ion Ratio Lower Upper
78 100
77 20.3 18.7 28.1





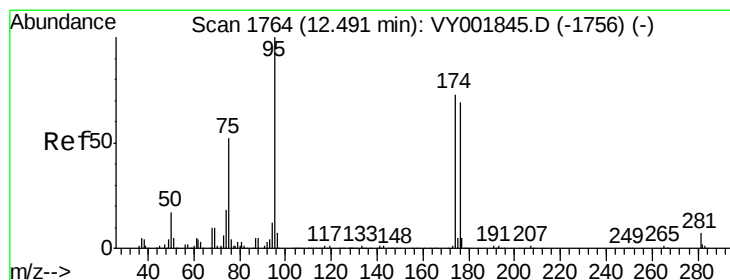
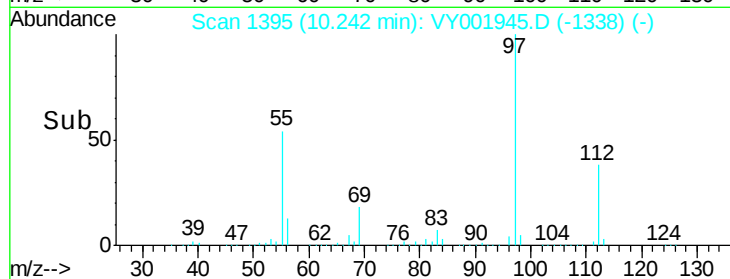
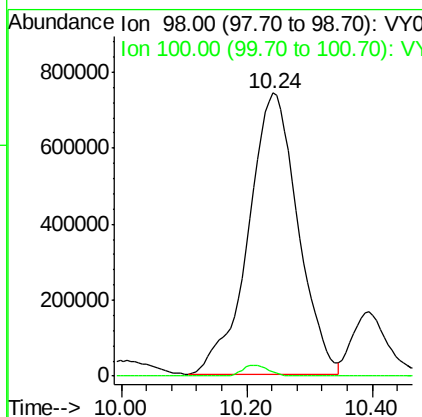
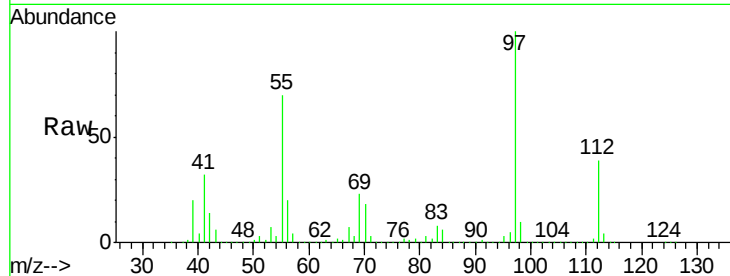
#50
Toluene-d8
Concen: 1015.909 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.05 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion: 98 Resp: 4036238
Ion Ratio Lower Upper
98 100
100 0.0 53.0 79.4#

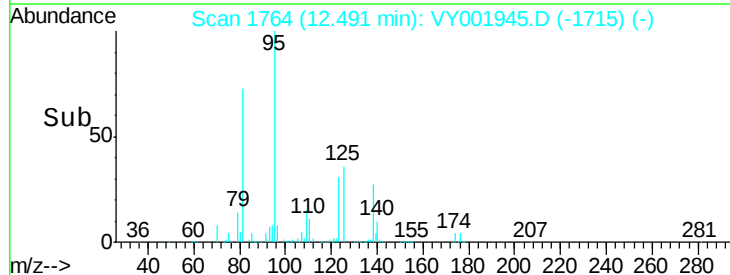
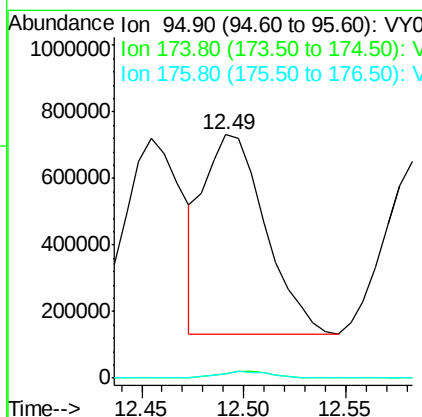
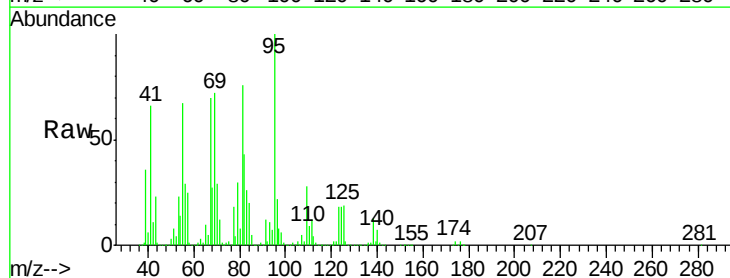
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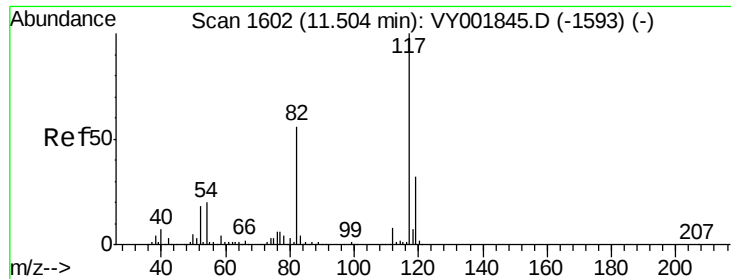
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#62
4-Bromofluorobenzene
Concen: 906.351 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion: 95 Resp: 1252098
Ion Ratio Lower Upper
95 100
174 2.9 0.0 145.0
176 2.8 0.0 137.4





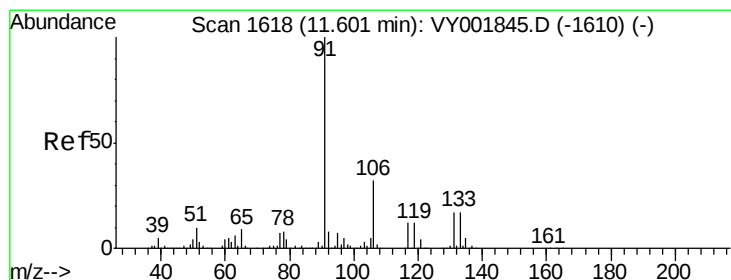
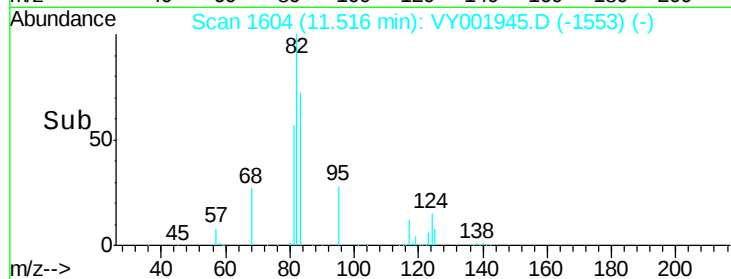
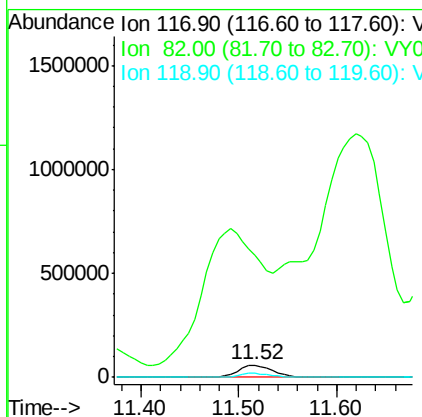
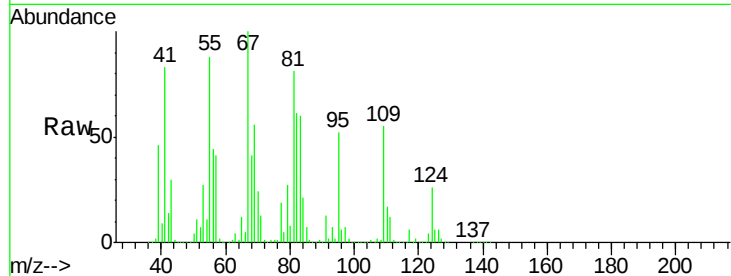
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion	Ratio	Lower	Upper
117	100		
82	635.7	44.5	66.7#
119	31.0	25.7	38.5

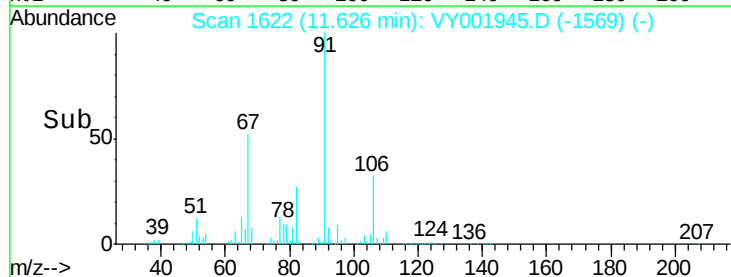
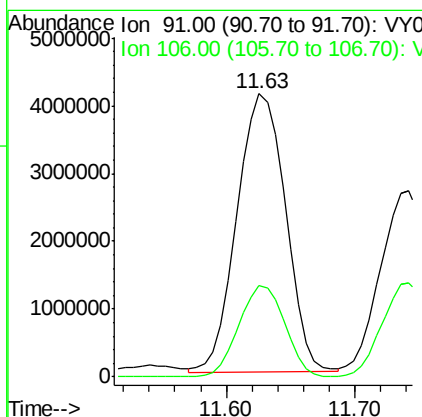
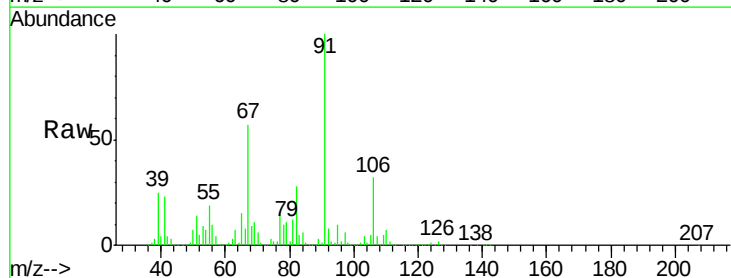
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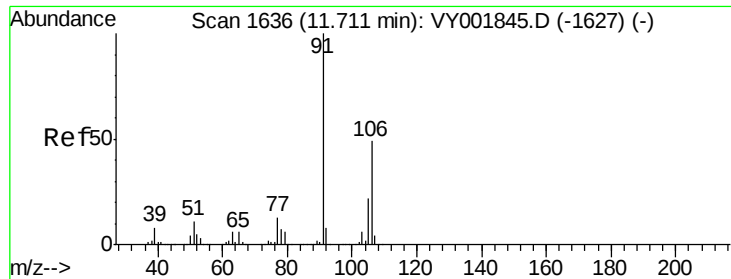
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#67
Ethyl Benzene
Concen: 2065.546 ug/l
RT: 11.63 min Scan# 1622
Delta R.T. 0.02 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.4	38.2





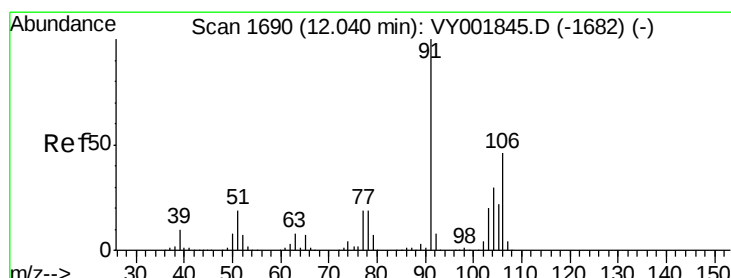
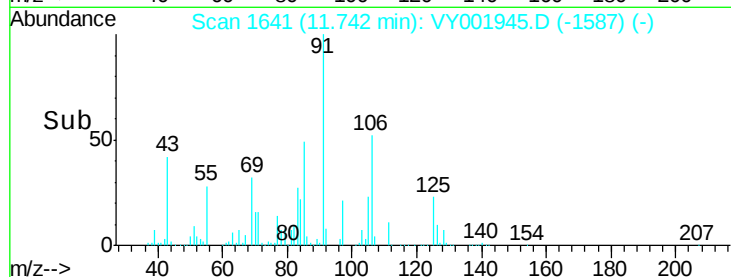
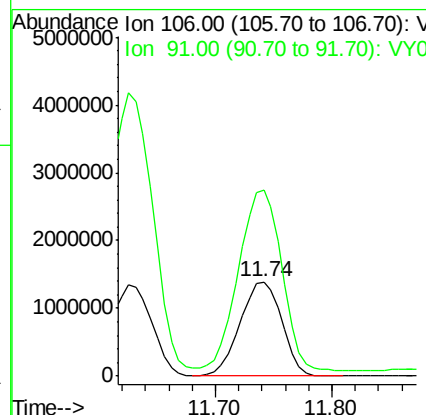
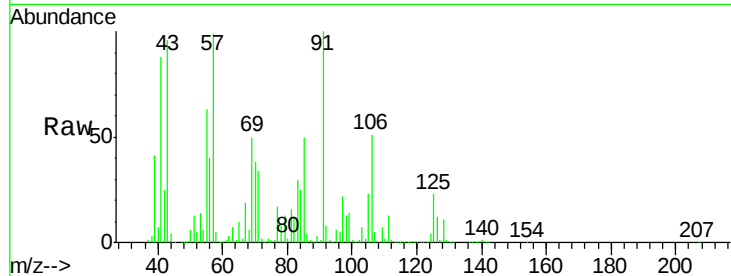
#68
m/p-Xvlenes
Concen: 1790.089 ug/l
RT: 11.74 min Scan# 1641
Delta R.T. 0.03 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion:106 Resp: 3458093
Ion Ratio Lower Upper
106 100
91 197.8 161.3 241.9

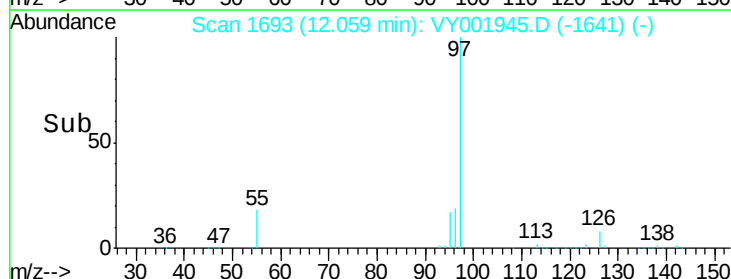
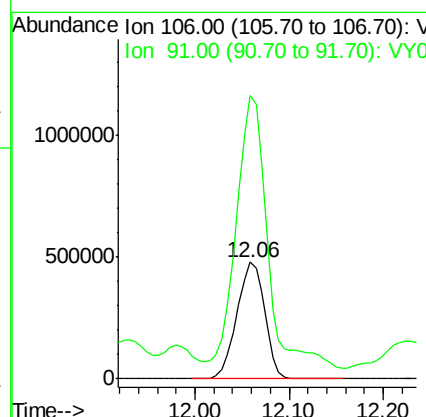
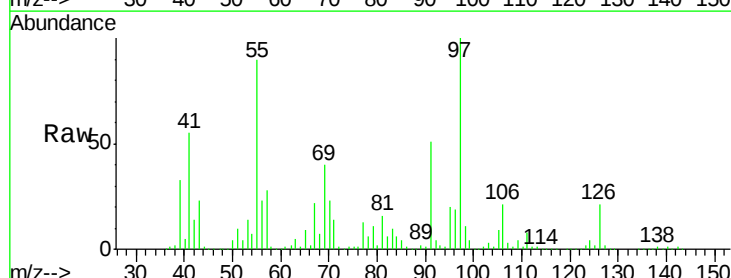
Manual Integrations
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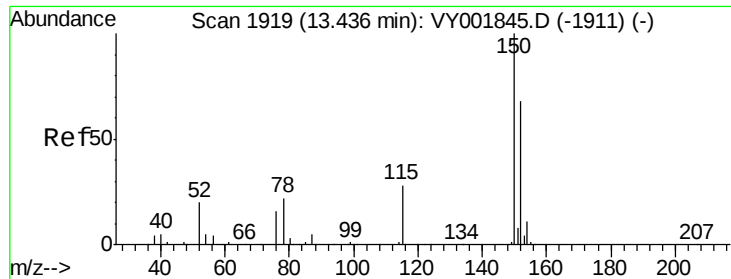
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#69
o-Xylene
Concen: 538.444 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion:106 Resp: 980388
Ion Ratio Lower Upper
106 100
91 263.2 106.8 320.4





#72

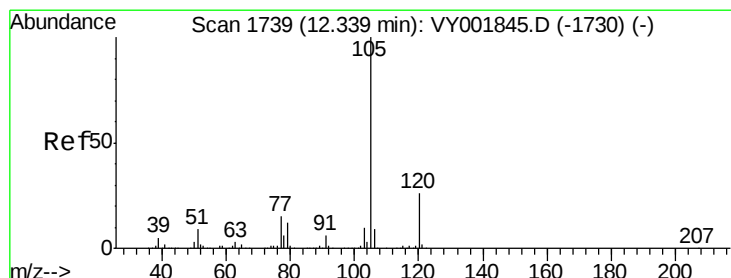
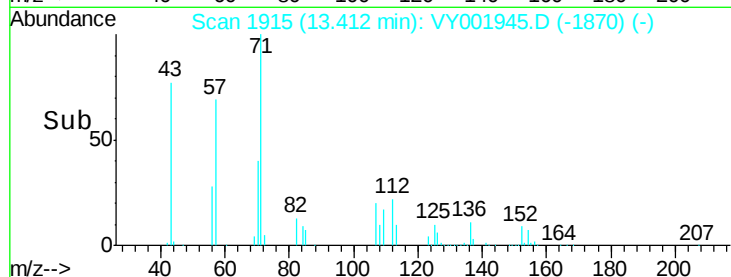
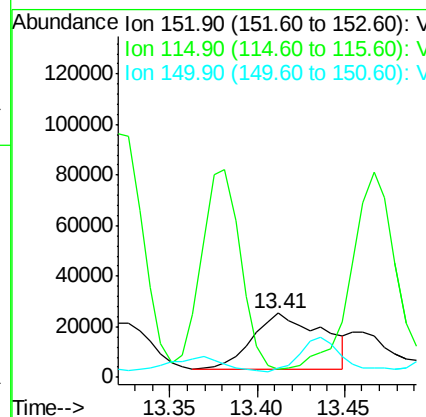
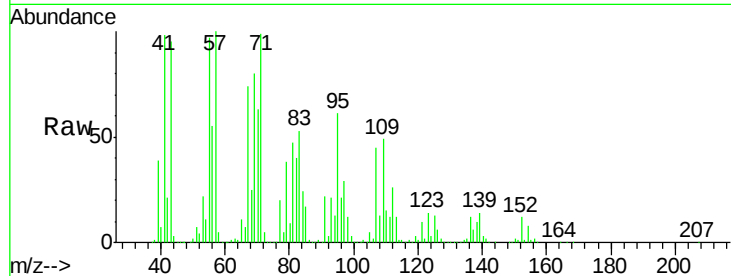
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.41 min Scan# 1915
Delta R.T. -0.02 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.9	89.7#
150	0.0	0.0	340.6

Manual Integrations
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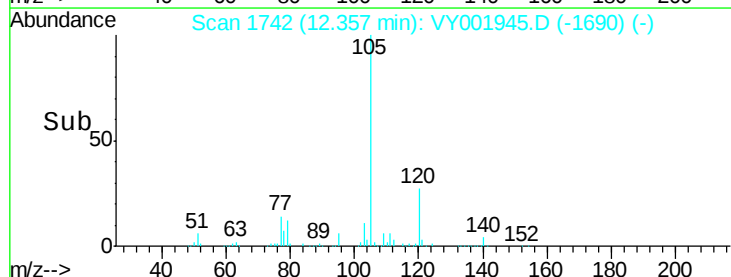
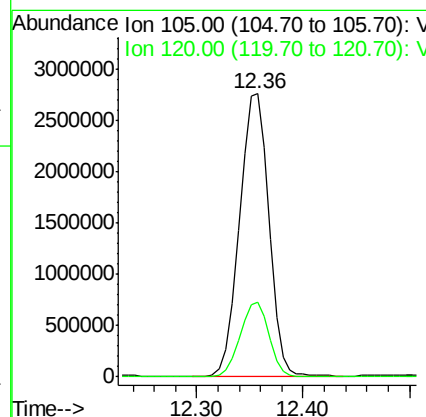
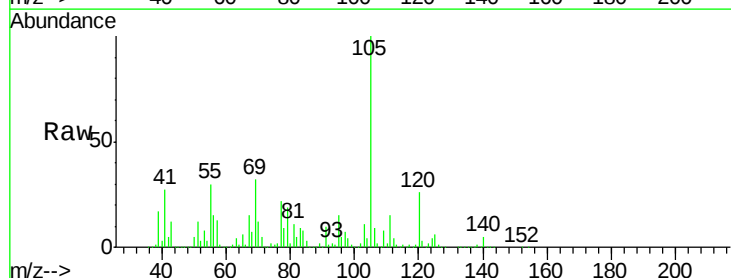
MMDadoda
3/12/2020 2:46:18 PM

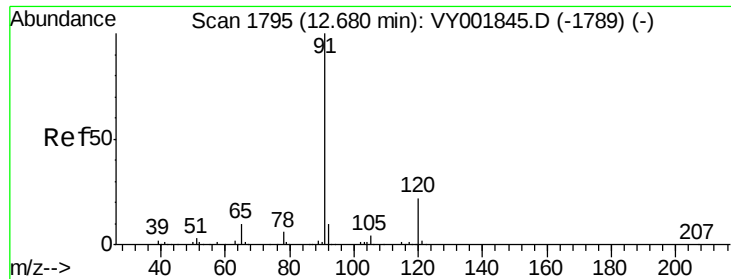


#73

Isopropylbenzene
Concen: 1144.458 ug/l
RT: 12.36 min Scan# 1742
Delta R.T. 0.02 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3





#78

n-propylbenzene

Concen: 1156.058 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VY001945.D

Acq: 11 Mar 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-14(1.5-2)

Tot Ion: 91 Resp: 6680380

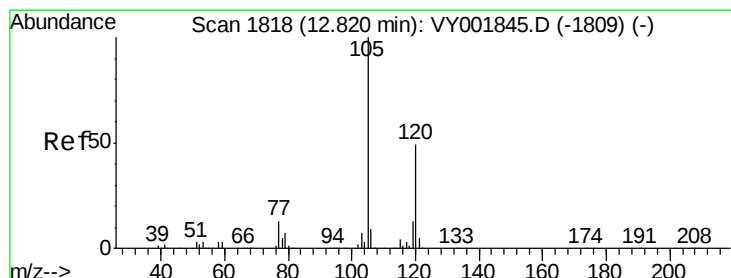
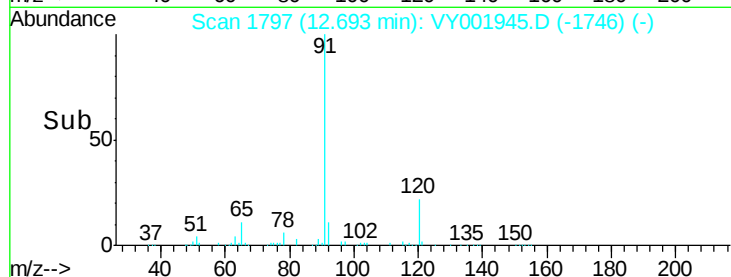
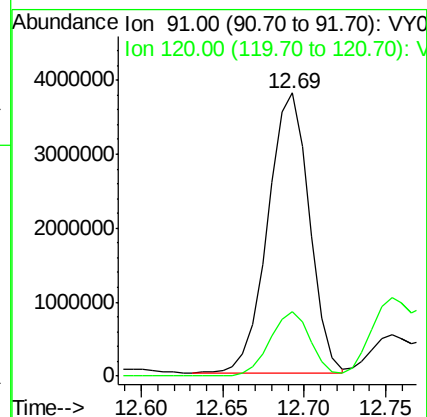
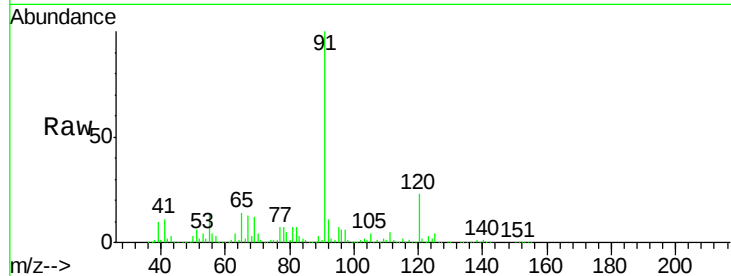
Ion Ratio Lower Upper

91 100

120 22.6 11.0 33.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 518.479 ug/l

RT: 12.83 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VY001945.D

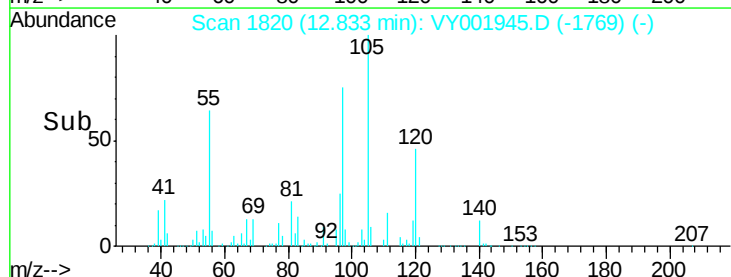
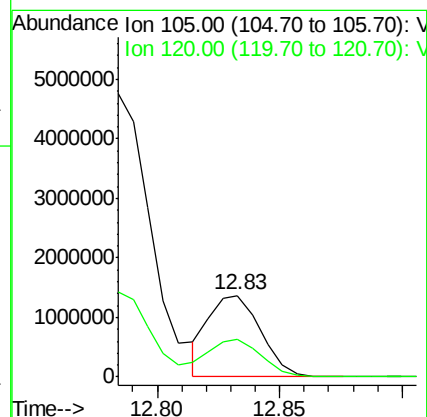
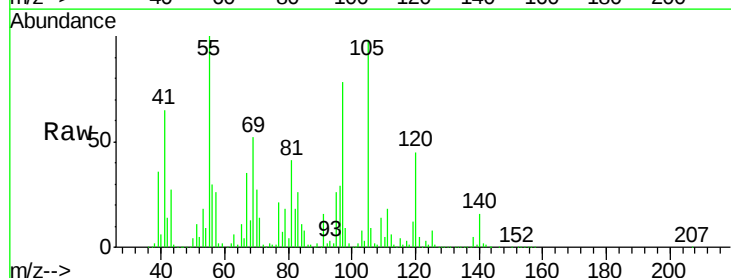
Acq: 11 Mar 2020 16:01

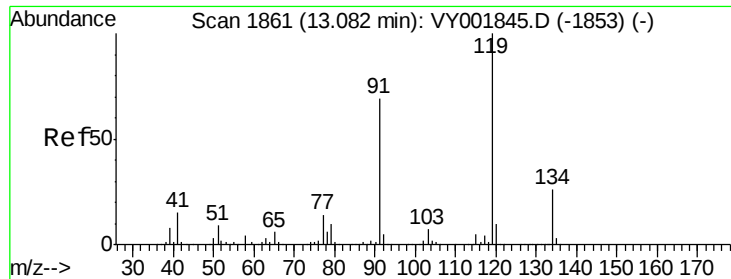
Tgt Ion: 105 Resp: 1999255

Ion Ratio Lower Upper

105 100

120 50.8 24.4 73.2





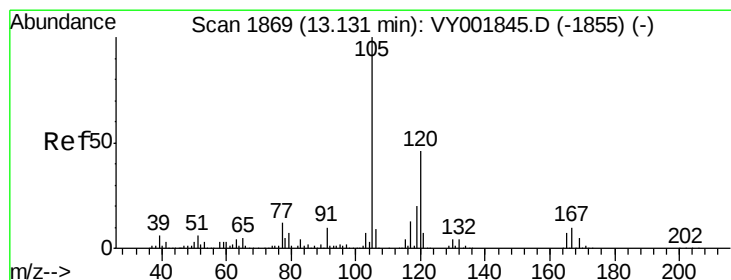
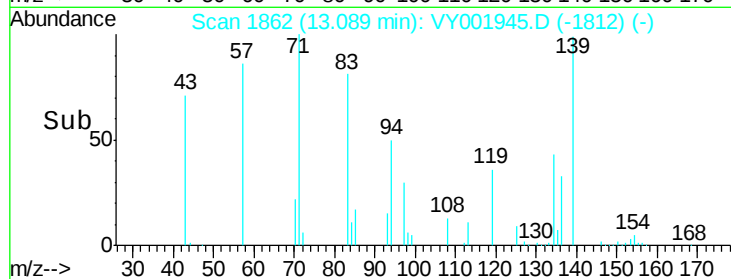
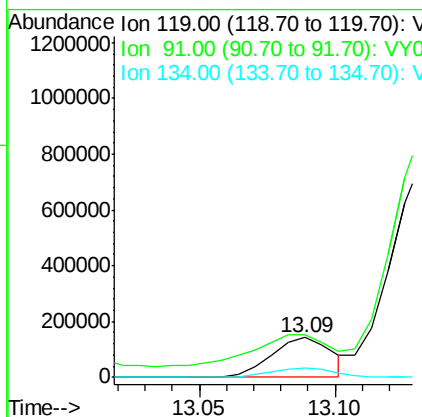
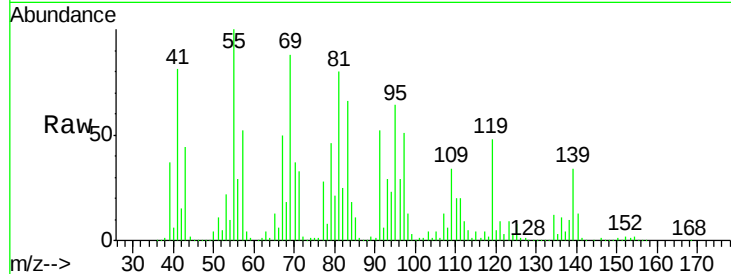
#83
tert-Butylbenzene
Concen: 67.376 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampled :
TP-14(1.5-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100				
91	101.1	34.0	101.8		
134	26.5	13.5	40.4		

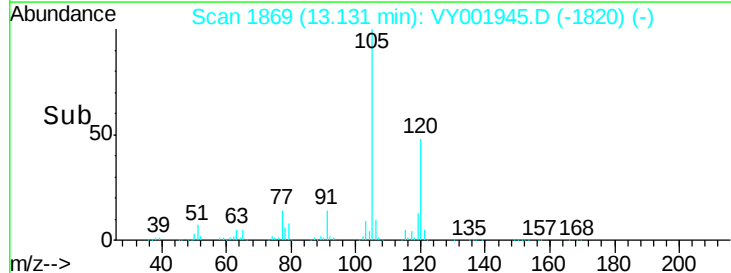
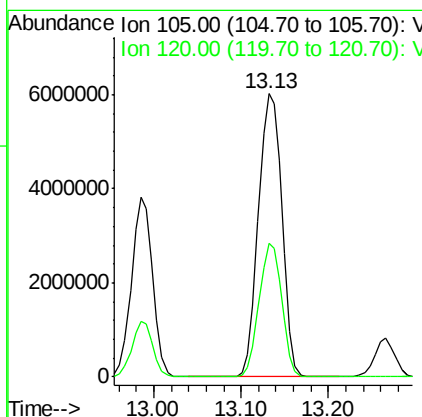
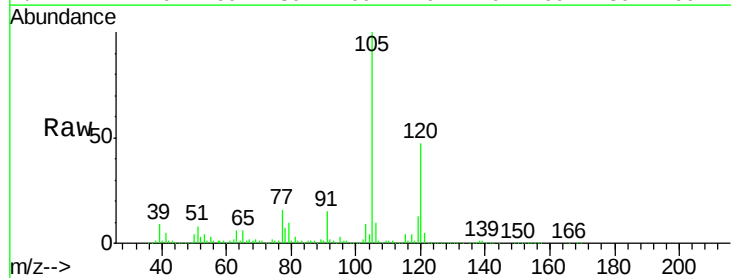
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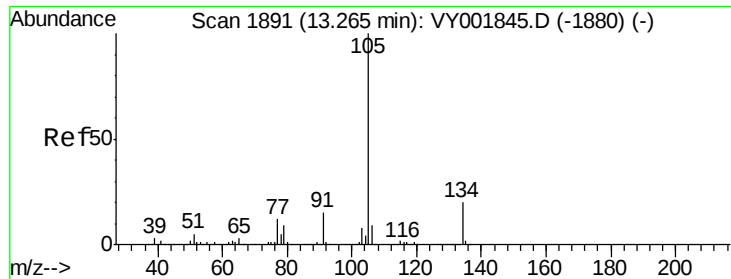
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#84
1,2,4-Trimethylbenzene
Concen: 2947.323 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	45.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 273.214 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001945.D

Acq: 11 Mar 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-14(1.5-2)

Tot Ion:105 Resp: 1289769

Ion Ratio Lower Upper

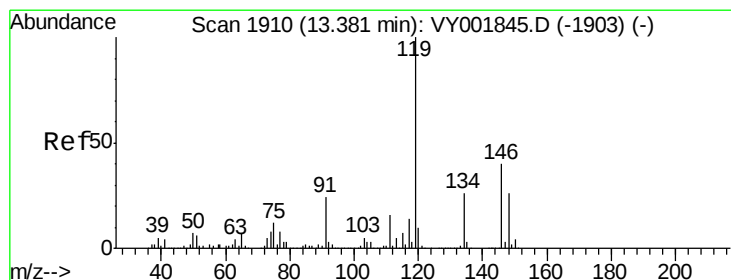
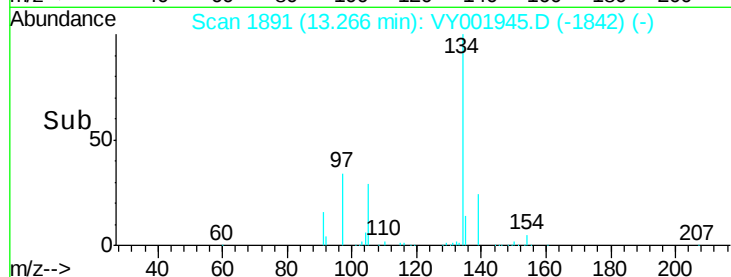
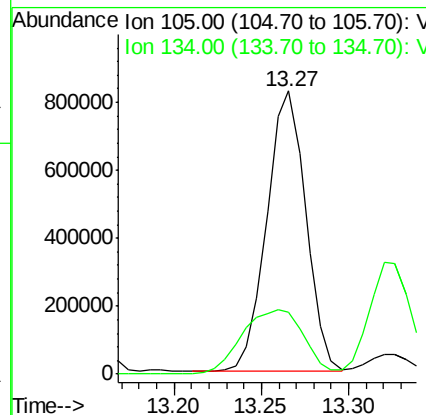
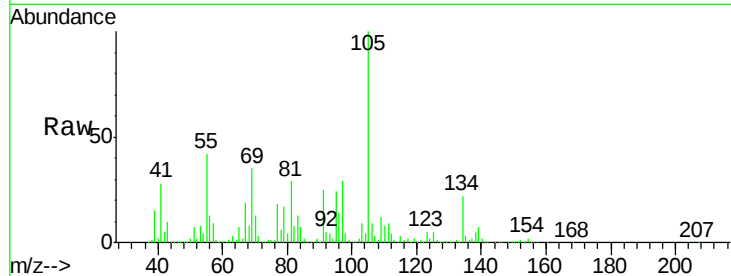
105 100

134 35.6 9.7 29.1#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 397.622 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001945.D

Acq: 11 Mar 2020 16:01

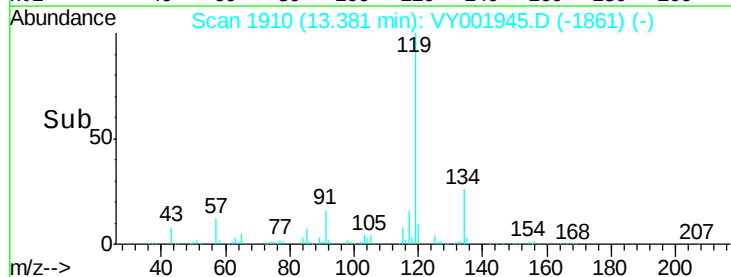
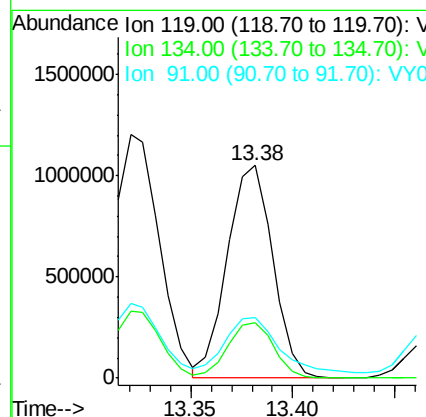
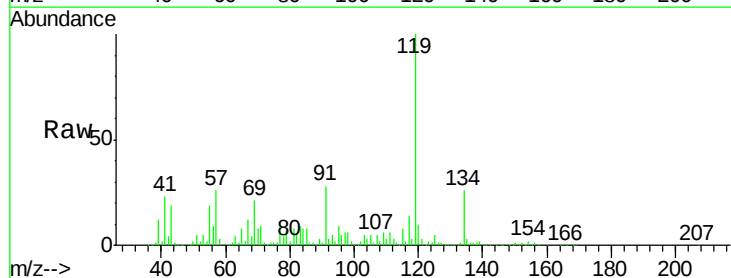
Tgt Ion:119 Resp: 1619223

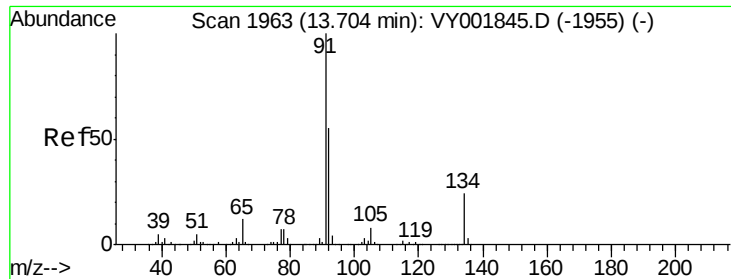
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 30.4 11.9 35.7





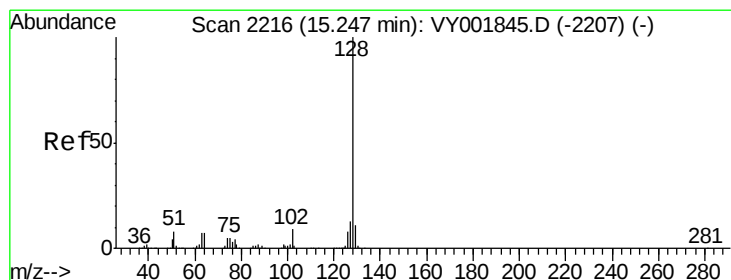
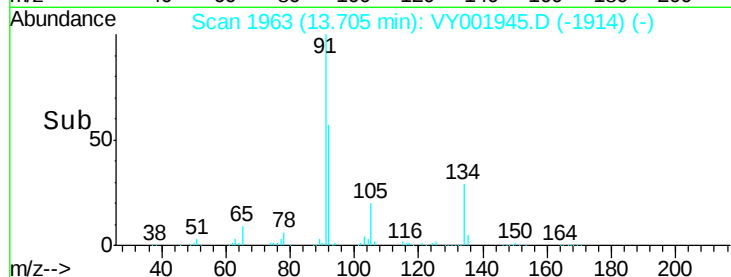
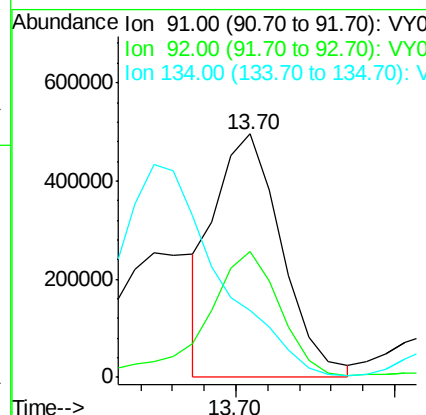
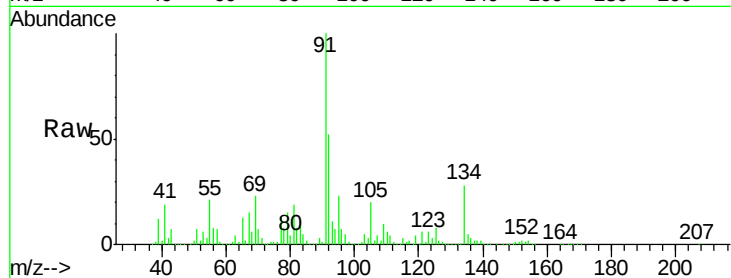
#89
n-Butylbenzene
Concen: 172.422 ug/l m
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-14(1.5-2)

Tot Ion	Ratio	Resp	Lower	Upper
91	100	728472		
92	55.8		27.5	82.4
134	0.0		12.5	37.5#

Manual Integrations
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#95
Naphthalene
Concen: 43.316 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001945.D
Acq: 11 Mar 2020 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	117715		
127	13.7		10.1	15.1
129	12.4		8.6	13.0

