

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000883.D
 Acq On : 05 Dec 2019 15:17
 Operator : SY/MD
 Sample : K6174-01
 Misc : 6.53G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOLID-COMP

Quant Time: Dec 06 05:15:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	250094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	484260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	437425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	132539	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	7.73	113	142196	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.18	98	971747	86.12	ug/l	0.00
Spiked Amount			Recovery	=	172.24%	
62) 4-Bromofluorobenzene	12.47	95	261724	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	

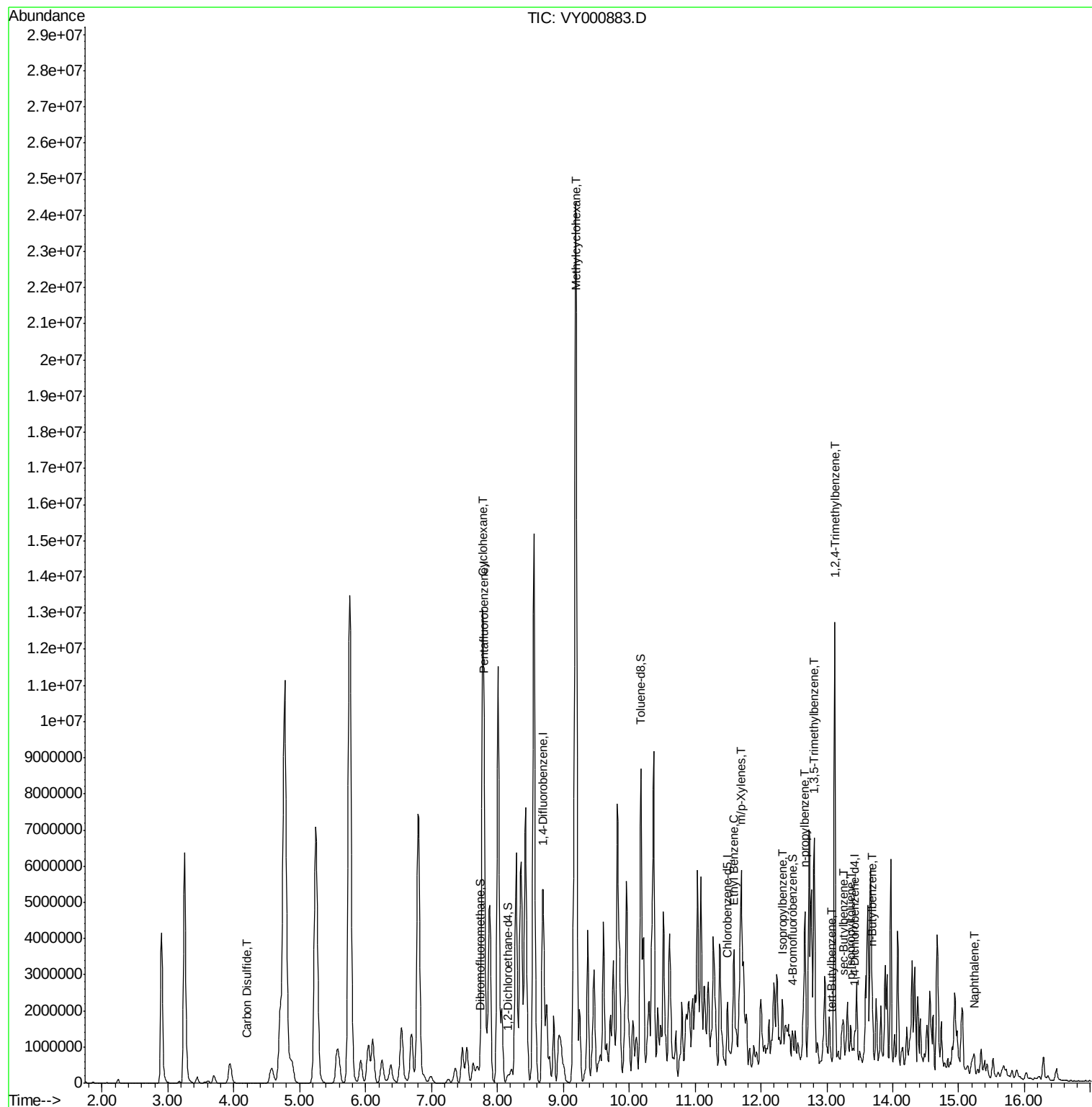
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.20	76	12799	1.443	ug/l #	95
31) Cyclohexane	7.79	56	5727381	1015.062	ug/l	94
39) Methylcyclohexane	9.19	83	12127421	1901.057	ug/l	97
67) Ethyl Benzene	11.59	91	1345666	79.466	ug/l	97
68) m/p-Xylenes	11.70	106	1480148	232.874	ug/l	99
73) Isopropylbenzene	12.33	105	1002199	73.881	ug/l	100
78) n-propylbenzene	12.67	91	3091999	186.680	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	2483094	221.083	ug/l	97
83) tert-Butylbenzene	13.07	119	27355	2.897	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.12	105	6797179	604.901	ug/l	99
85) sec-Butylbenzene	13.25	105	672555	48.973	ug/l #	62
86) p-Isopropyltoluene	13.37	119	346487	29.007	ug/l	95
89) n-Butylbenzene	13.69	91	928200	76.858	ug/l #	78
95) Naphthalene	15.23	128	375199	46.024	ug/l	97

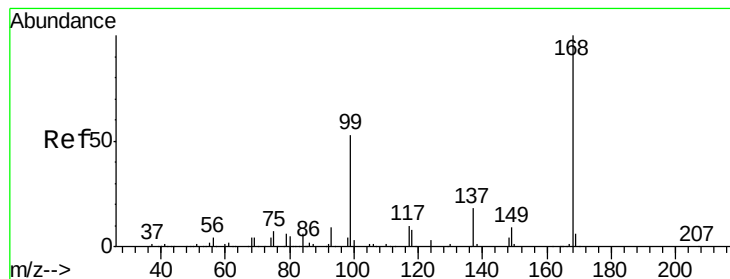
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000883.D

Acq: 05 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

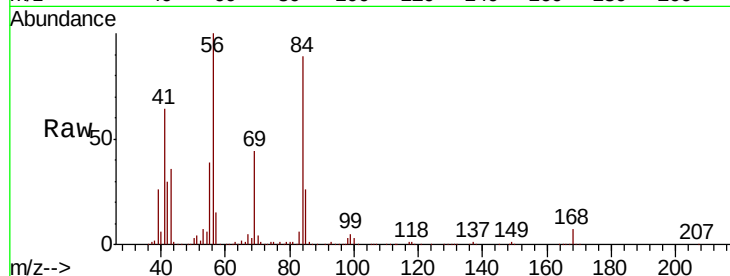
SOLID-COMP

Tot Ion:168 Resp: 250094

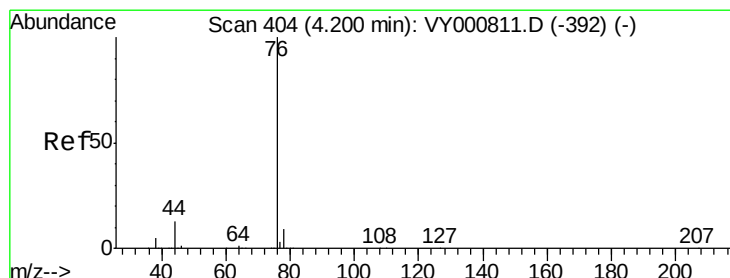
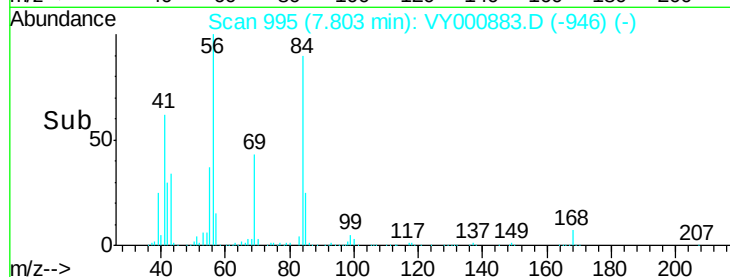
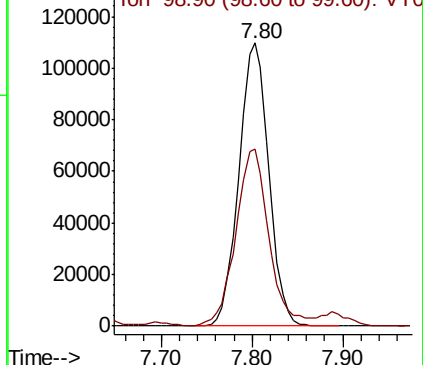
Ion Ratio Lower Upper

168 100

99 62.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000883.D (-946) (-)



#17

Carbon Disulfide

Concen: 1.443 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000883.D

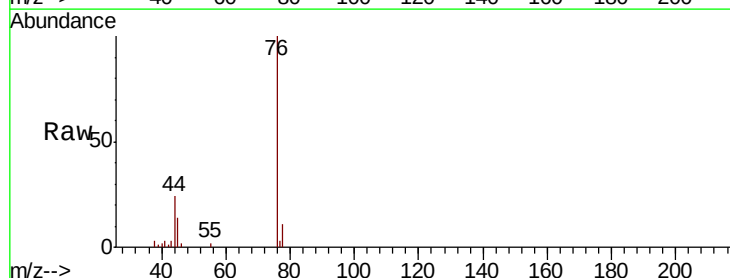
Acq: 05 Dec 2019 15:17

Tgt Ion: 76 Resp: 12799

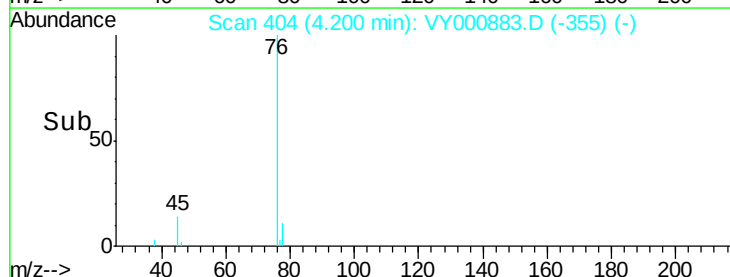
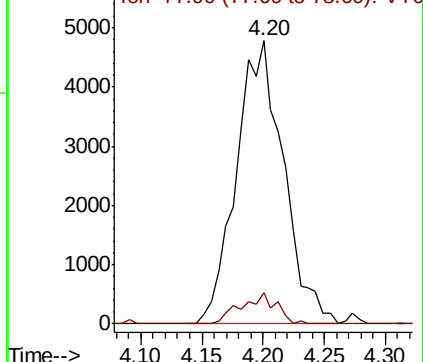
Ion Ratio Lower Upper

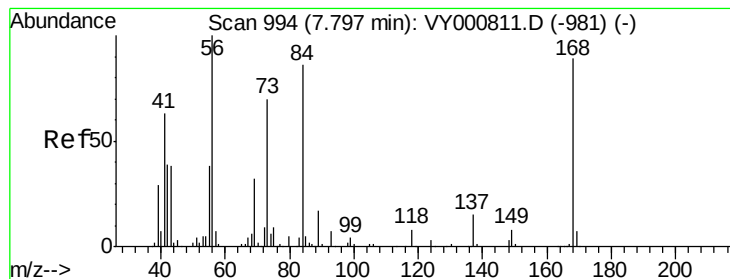
76 100

78 11.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VY000883.D (-355) (-)





#31

Cyclohexane

Concen: 1015.062 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000883.D

Acq: 05 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

SOLID-COMP

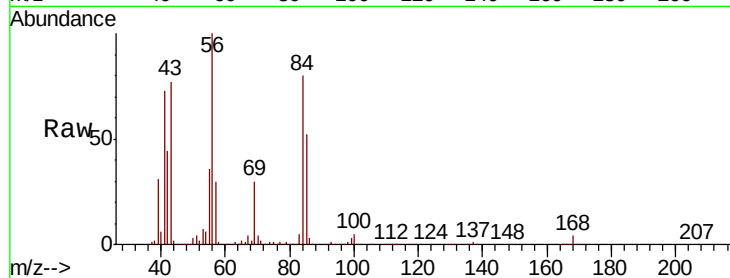
Tot Ion: 56 Resp: 5727381

Ion Ratio Lower Upper

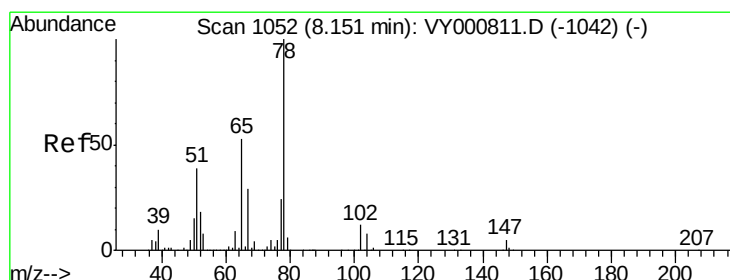
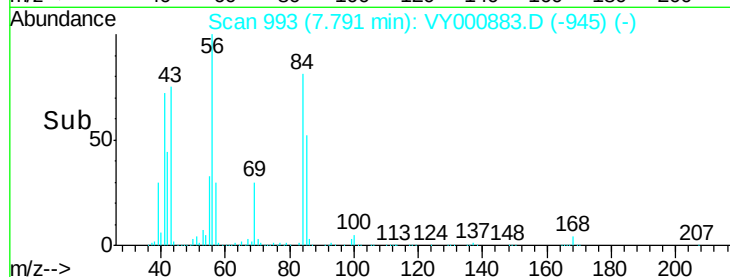
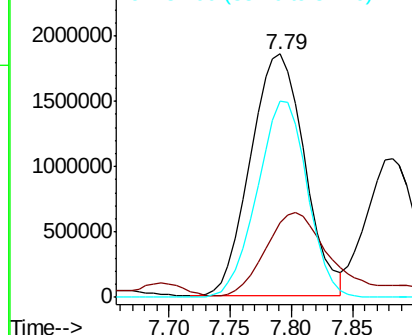
56 100

69 28.2 25.9 38.9

84 80.7 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 49.874 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000883.D

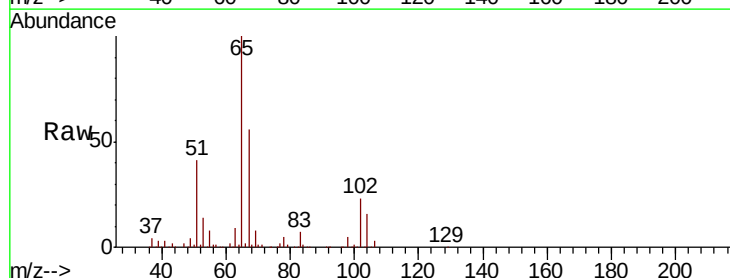
Acq: 05 Dec 2019 15:17

Tgt Ion: 65 Resp: 132539

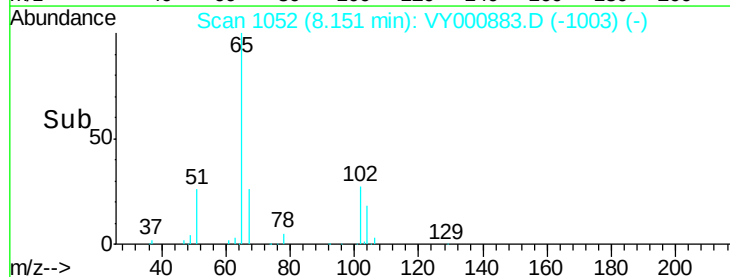
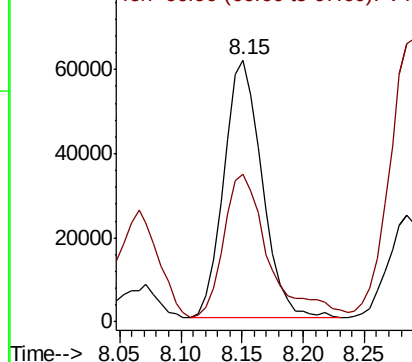
Ion Ratio Lower Upper

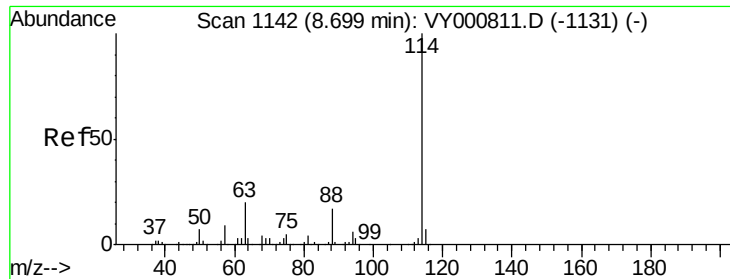
65 100

67 65.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

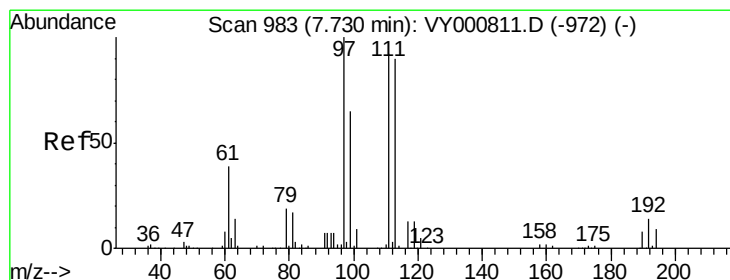
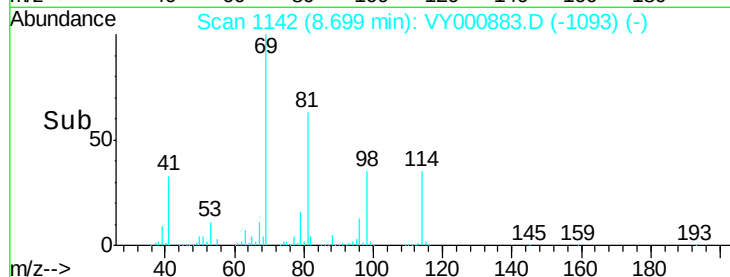
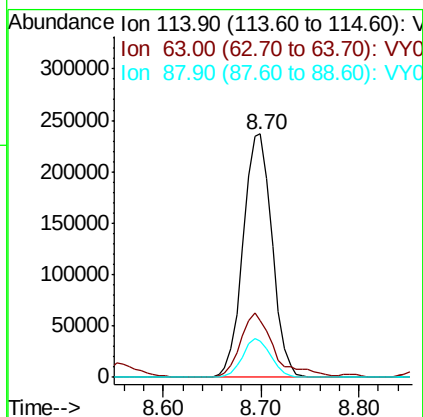
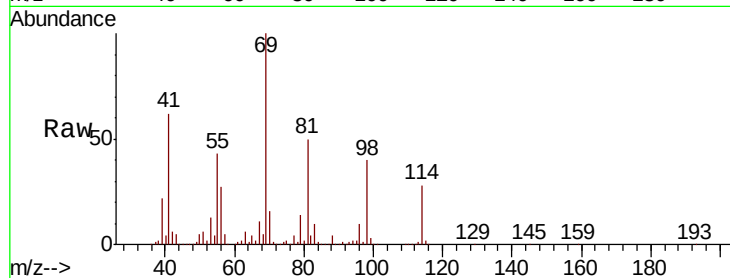




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

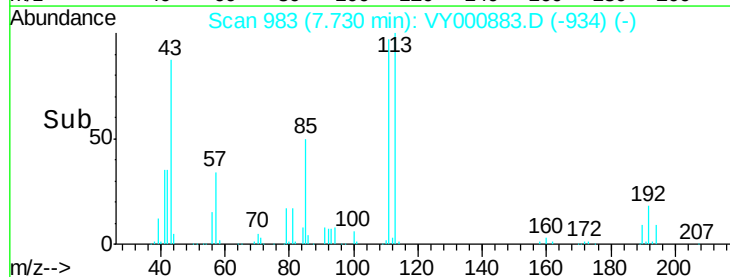
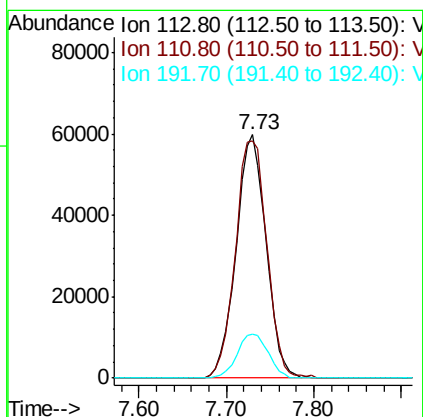
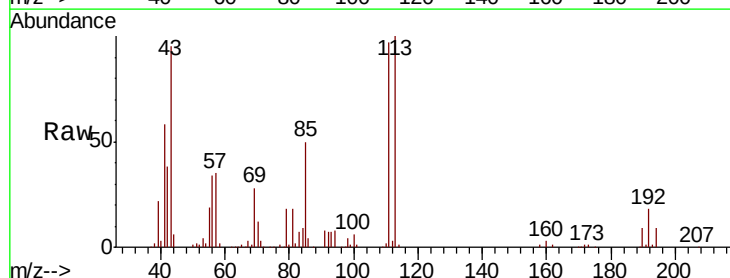
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOLID-COMP

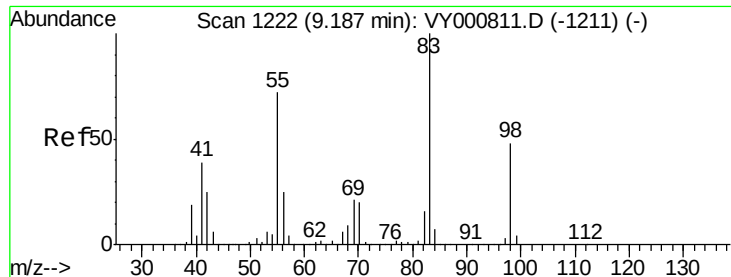
Tot Ion:114 Resp: 484260
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 39.8
 88 15.2 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.384 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

Tgt Ion:113 Resp: 142196
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 18.8 14.2 21.2

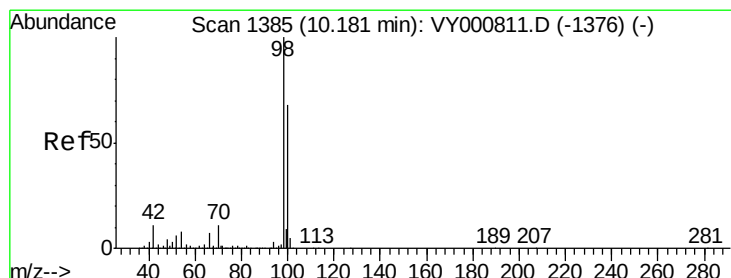
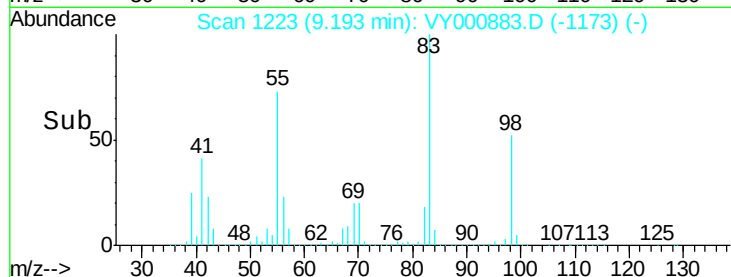
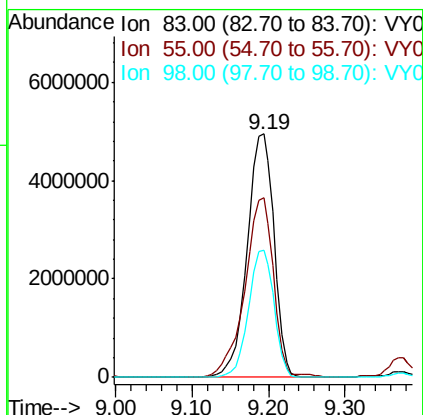
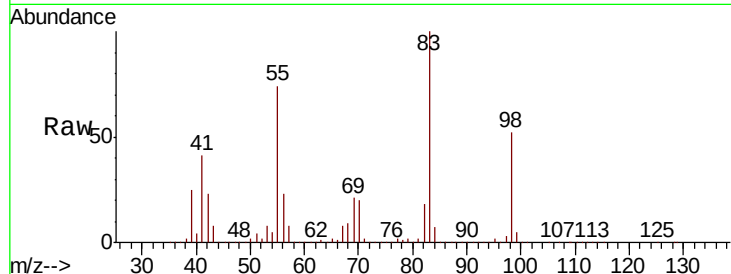




#39
Methylvlcyclohexane
Concen: 1901.057 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

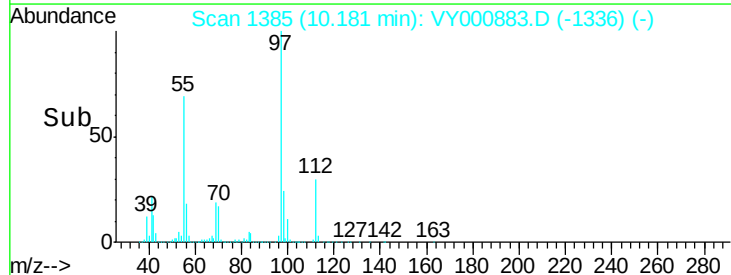
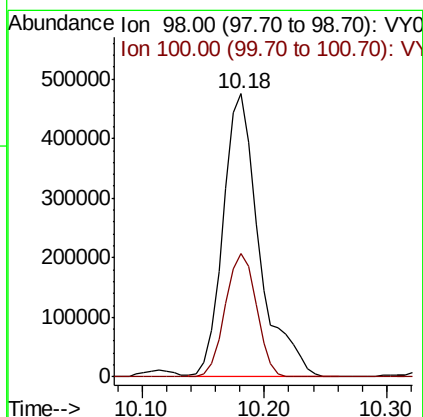
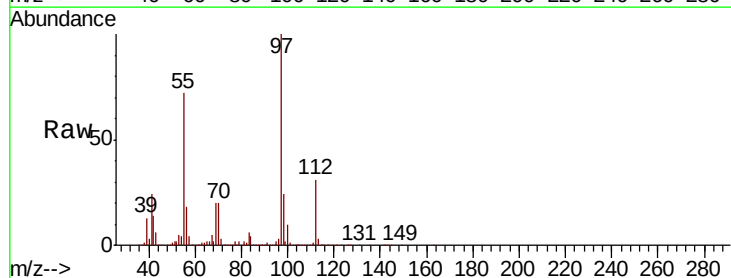
Instrument :
MSVOA_Y
ClientSampleId :
SOLID-COMP

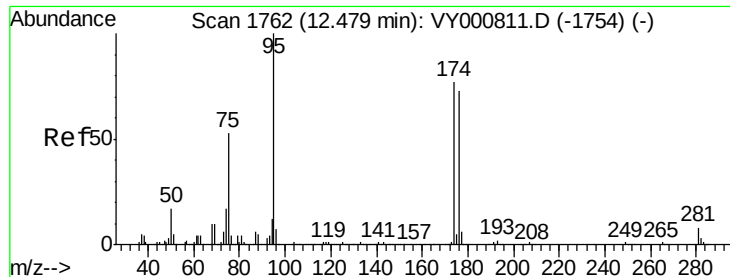
Tot Ion: 83 Resp:12127421
Ion Ratio Lower Upper
83 100
55 73.6 57.8 86.6
98 52.0 38.6 58.0



#50
Toluene-d8
Concen: 86.123 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Tgt Ion: 98 Resp: 971747
Ion Ratio Lower Upper
98 100
100 37.5 53.1 79.7#

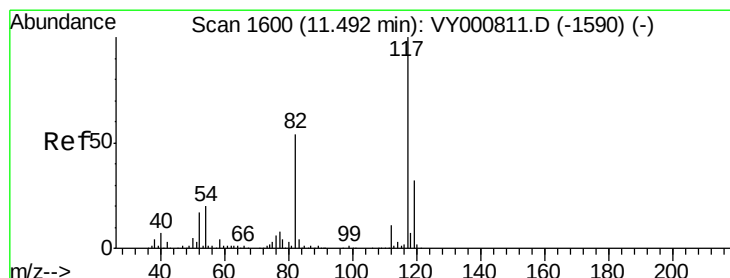
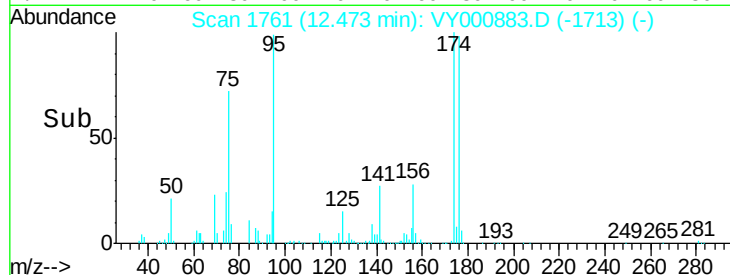
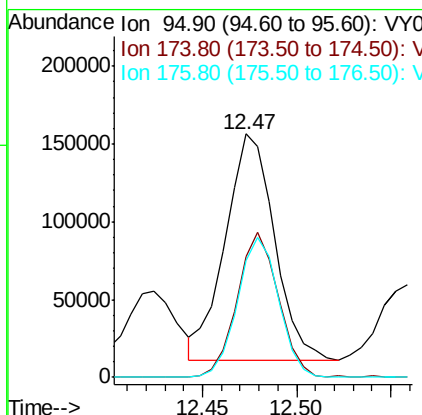
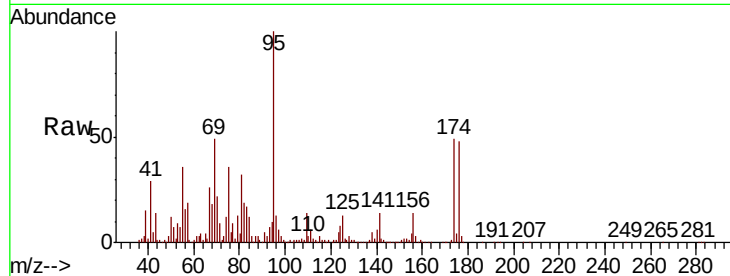




#62
4-Bromofluorobenzene
Concen: 61.764 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

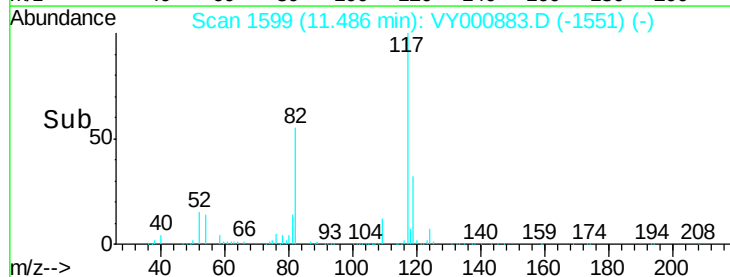
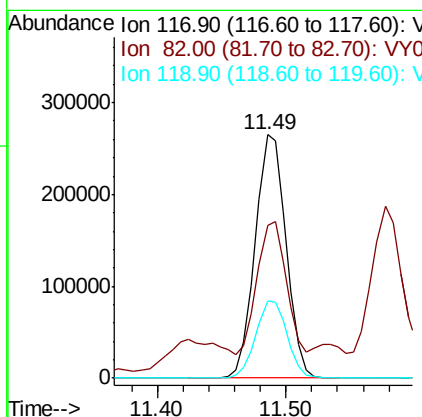
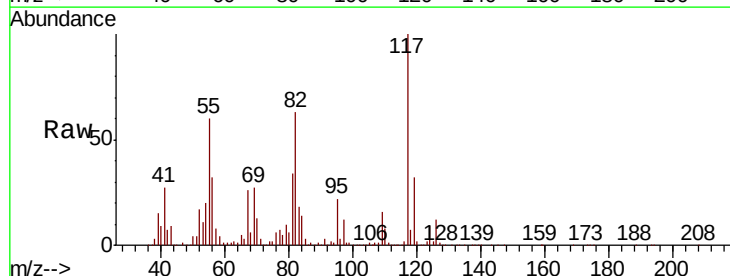
Instrument :
MSVOA_Y
ClientSampleId :
SOLID-COMP

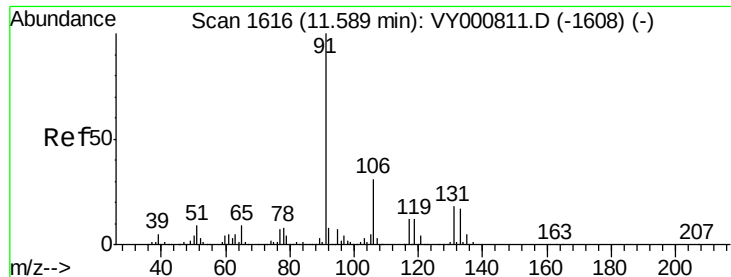
Tot Ion	95	Resp	261724
Ion Ratio	Lower	Upper	
95	100		
174	53.7	0.0	150.6
176	52.1	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Tgt Ion	117	Resp	437425
Ion Ratio	Lower	Upper	
117	100		
82	50.0	43.1	64.7
119	31.6	25.3	37.9





#67

Ethyl Benzene

Concen: 79.466 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000883.D

Acq: 05 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

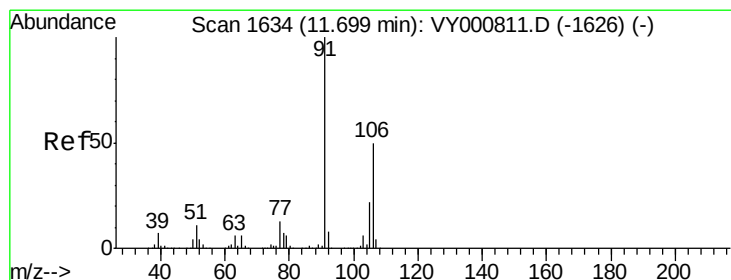
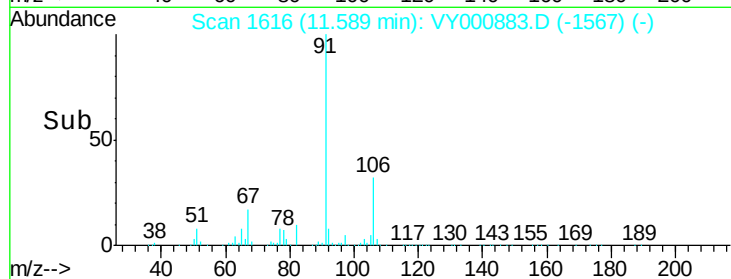
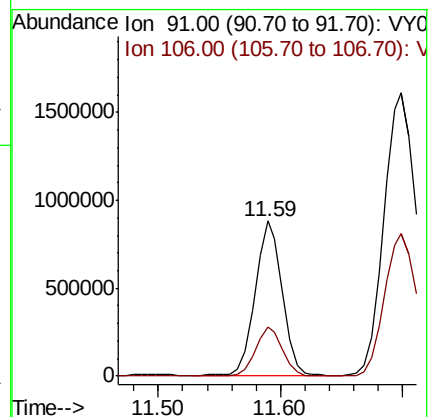
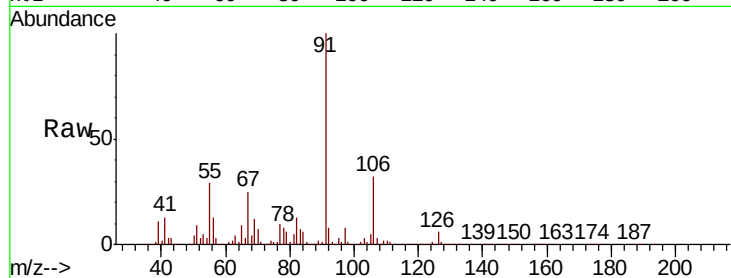
SOLID-COMP

Tot Ion: 91 Resp: 1345666

Ion Ratio Lower Upper

91 100

106 31.9 24.4 36.6



#68

m/p-Xylenes

Concen: 232.874 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000883.D

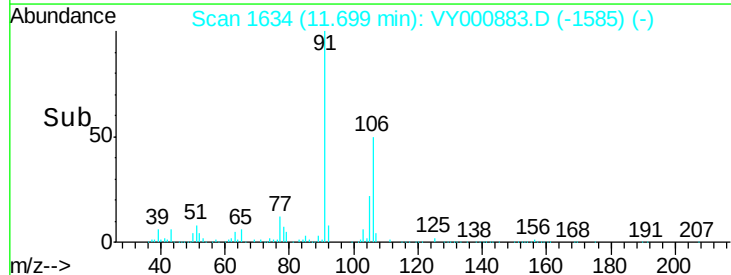
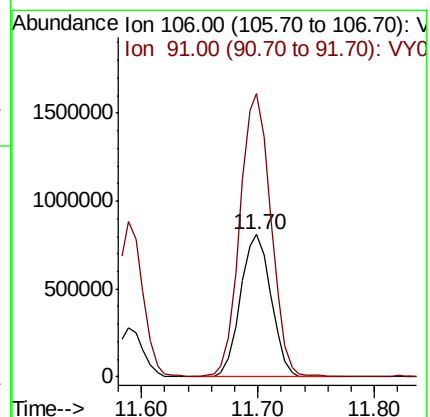
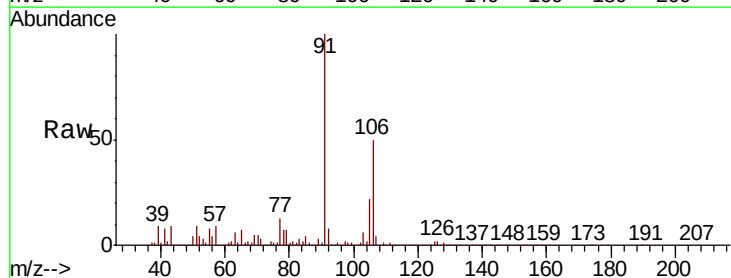
Acq: 05 Dec 2019 15:17

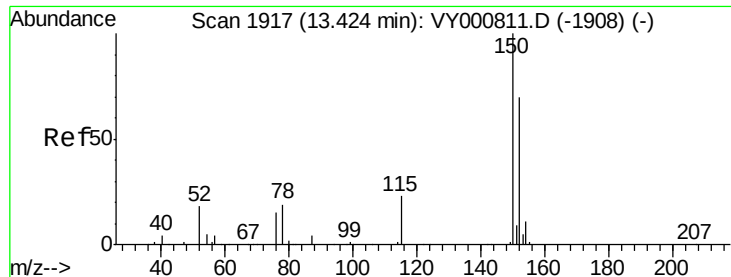
Tgt Ion: 106 Resp: 1480148

Ion Ratio Lower Upper

106 100

91 201.0 159.6 239.4



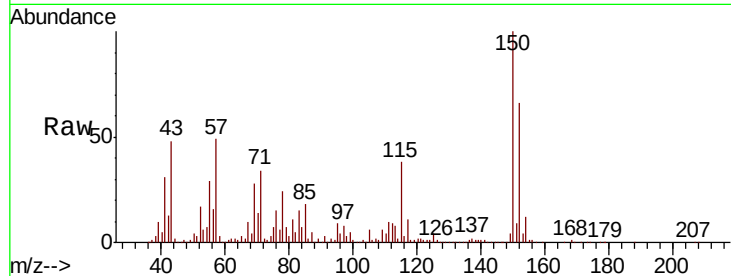


#72

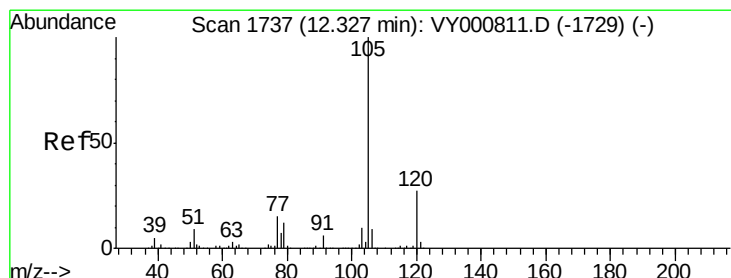
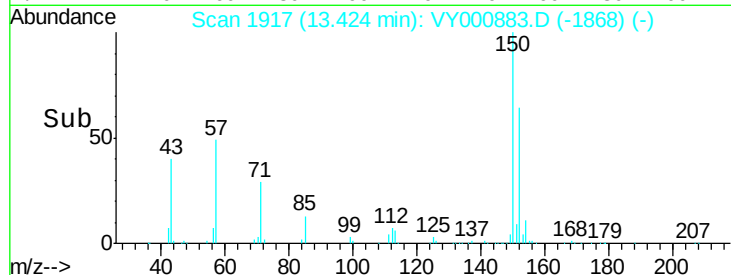
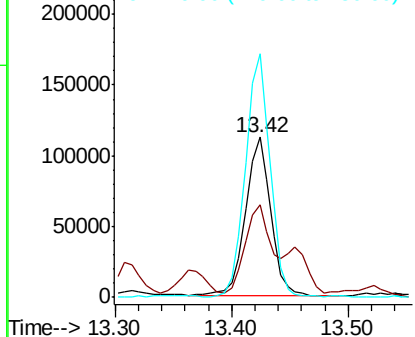
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Instrument :
MSVOA_Y
ClientSampleId :
SOLID-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	87.8
150	148.0	0.0	351.2



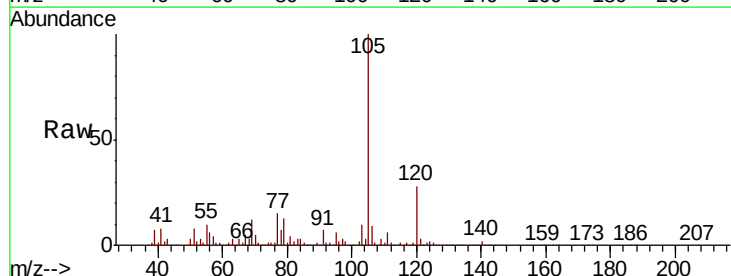
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



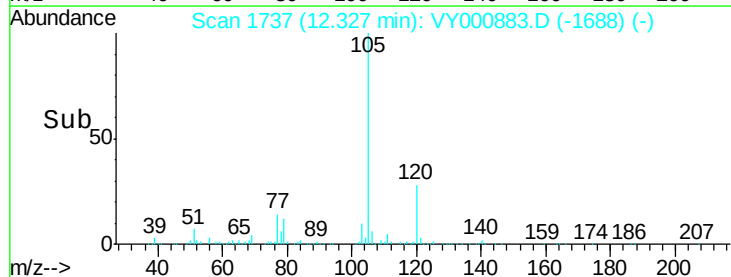
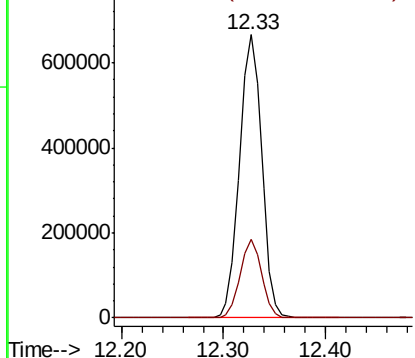
#73

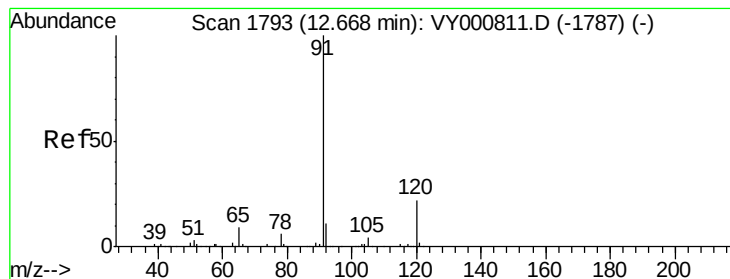
Isopropylbenzene
Concen: 73.881 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 186.680 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000883.D

Acq: 05 Dec 2019 15:17

Instrument :

MSVOA_Y

ClientSampleId :

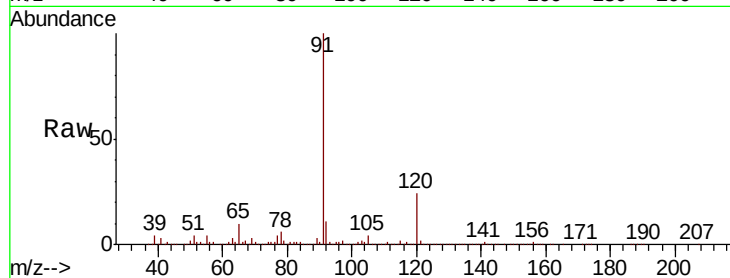
SOLID-COMP

Tot Ion: 91 Resp: 3091999

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY000883.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VY000883.D (-1744) (-)

2500000

2000000

1500000

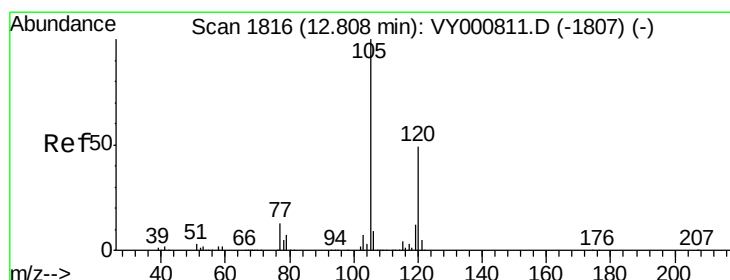
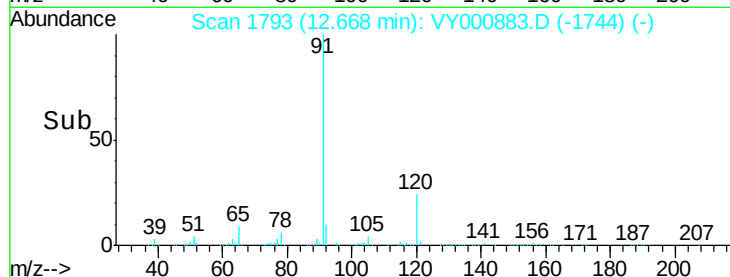
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 221.083 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000883.D

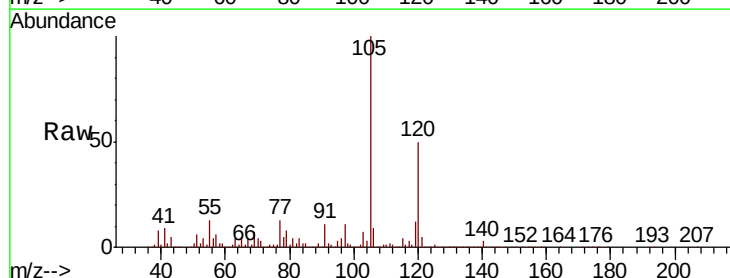
Acq: 05 Dec 2019 15:17

Tgt Ion:105 Resp: 2483094

Ion Ratio Lower Upper

105 100

120 51.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000883.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY000883.D (-1767) (-)

2000000

1500000

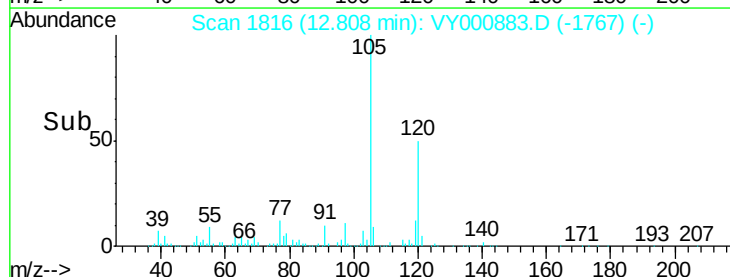
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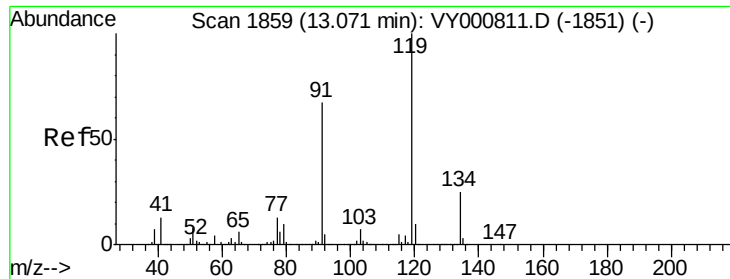
500000

0

12.80 12.85

Time-->

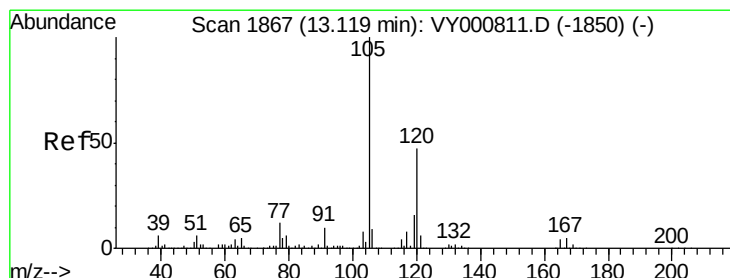
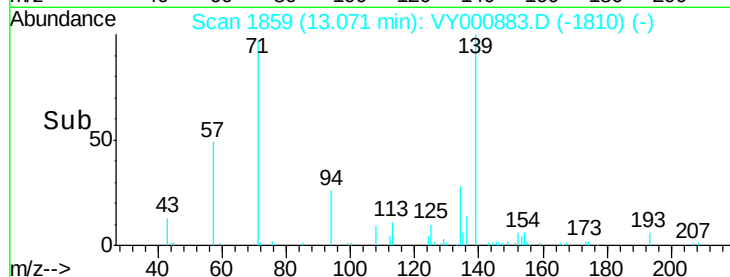
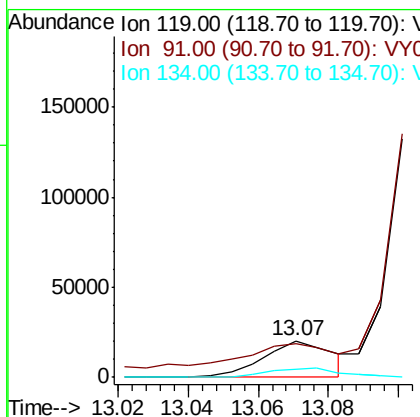
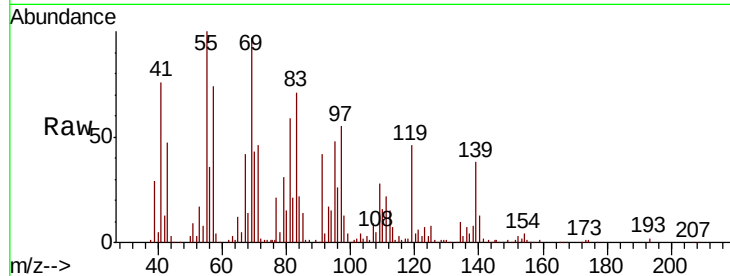




#83
 tert-Butylbenzene
 Concen: 2.897 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

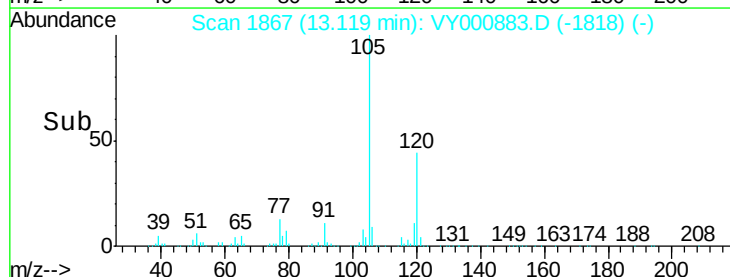
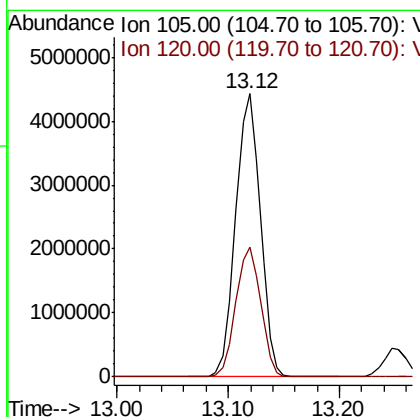
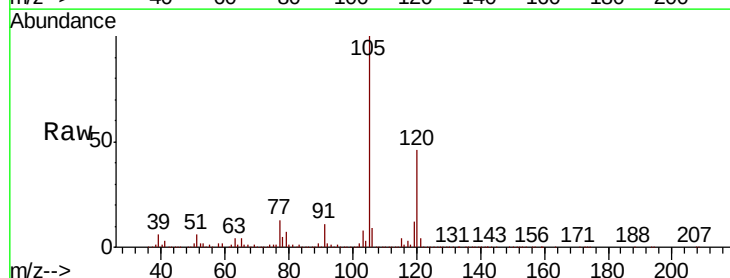
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOLID-COMP

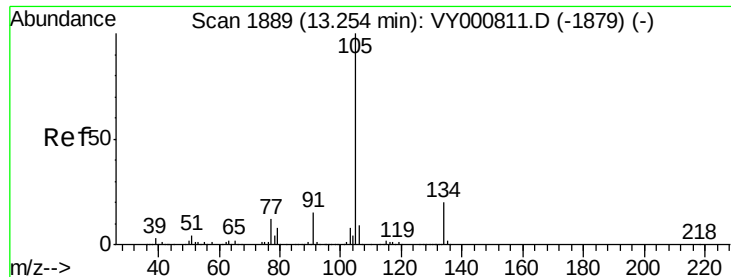
Tot Ion:119 Resp: 27355
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.3 96.8#
 134 28.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 604.901 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

Tgt Ion:105 Resp: 6797179
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.6 67.8

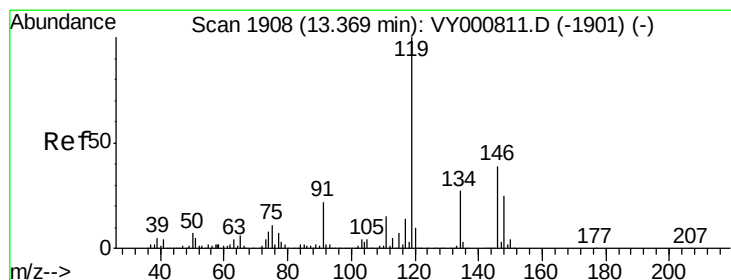
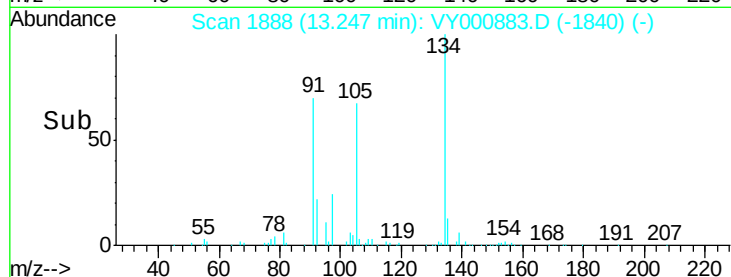
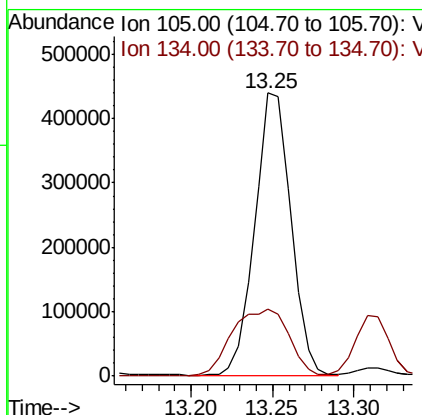
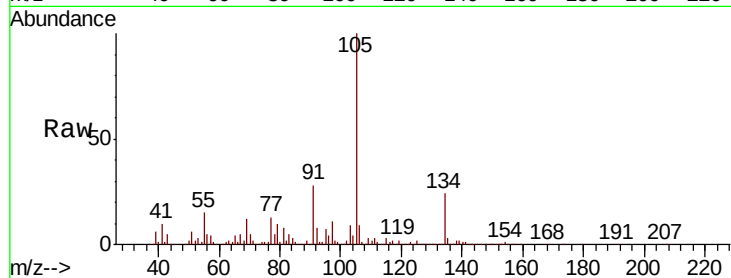




#85
 sec-Butylbenzene
 Concen: 48.973 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

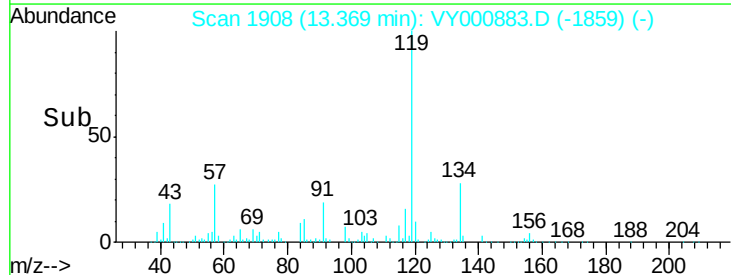
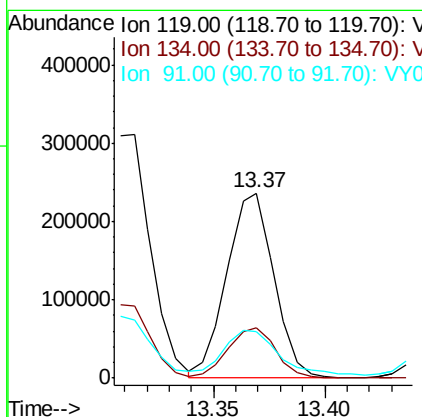
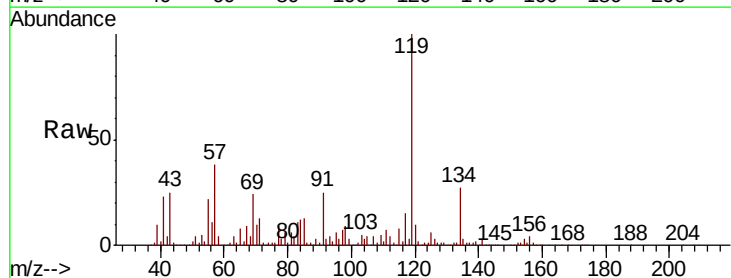
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOLID-COMP

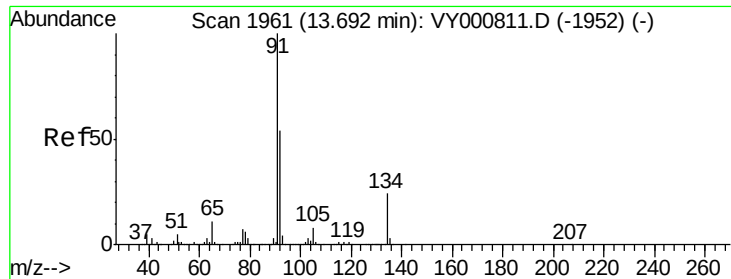
Tot Ion:105 Resp: 672555
 Ion Ratio Lower Upper
 105 100
 134 37.4 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 29.007 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000883.D
 Acq: 05 Dec 2019 15:17

Tgt Ion:119 Resp: 346487
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.5 40.4
 91 26.8 11.5 34.5

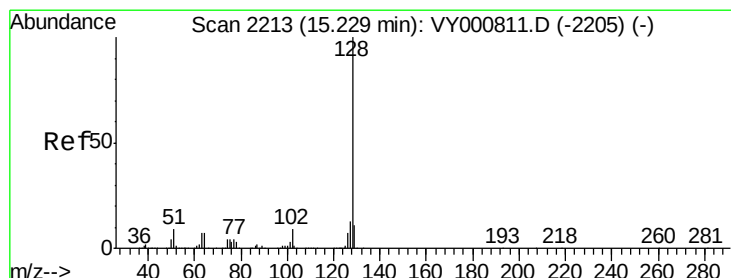
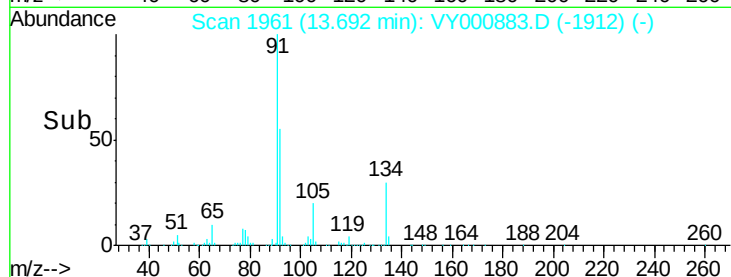
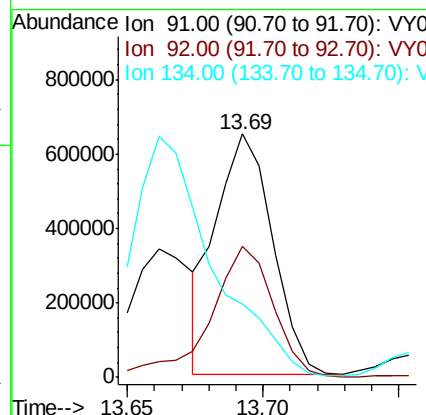
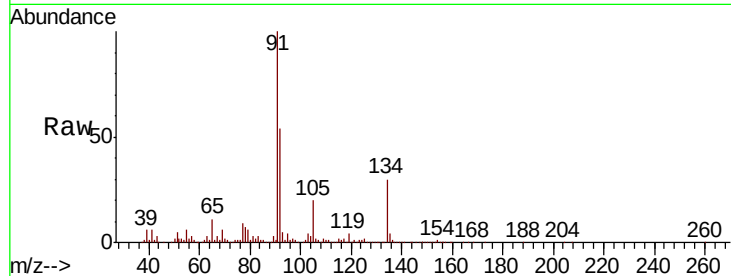




#89
n-Butylbenzene
Concen: 76.858 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Instrument :
MSVOA_Y
ClientSampleId :
SOLID-COMP

Tot Ion: 91 Resp: 928200
Ion Ratio Lower Upper
91 100
92 60.3 26.9 80.7
134 0.0 12.6 37.6#



#95
Naphthalene
Concen: 46.024 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000883.D
Acq: 05 Dec 2019 15:17

Tgt Ion: 128 Resp: 375199
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 13.1 8.8 13.2

