

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032420\
 Data File : VY002048.D
 Acq On : 24 Mar 2020 14:19
 Operator : SY/MD
 Sample : L2013-02
 Misc : 7.35G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-8-9

Quant Time: Mar 24 16:55:46 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	135278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	260626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	217789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	75269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	81227	56.24	ug/l	0.00
Spiked Amount			Recovery	=	112.48%	
35) Dibromofluoromethane	7.74	113	74881	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.19	98	309462	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.49	95	91600	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

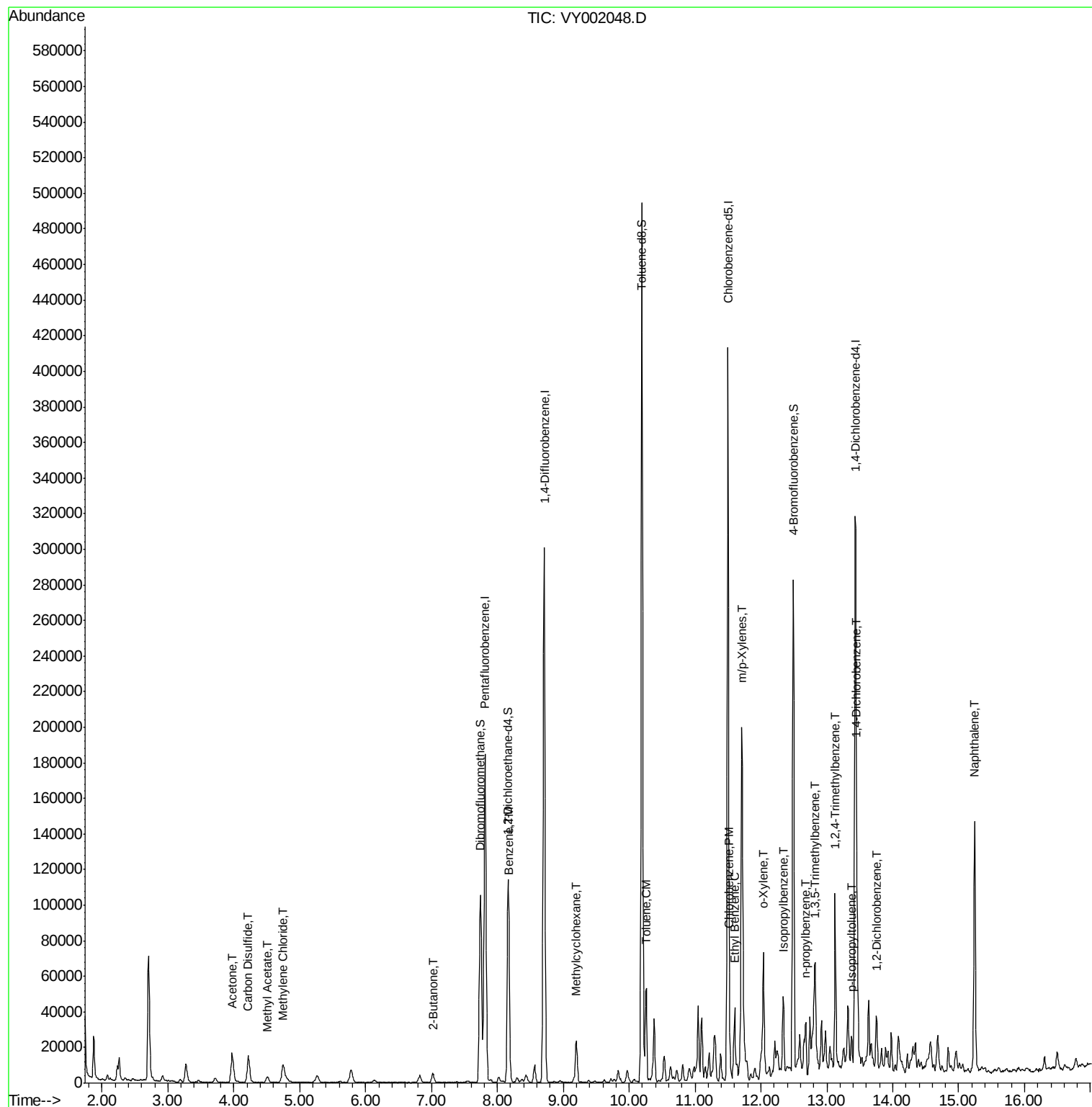
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	29160	69.324	ug/l	97
17) Carbon Disulfide	4.22	76	27992	5.536	ug/l	96
18) Methyl Acetate	4.51	43	6855	6.343	ug/l	95
20) Methylene Chloride	4.74	84	7043	3.907	ug/l	94
25) 2-Butanone	7.03	43	7415	11.592	ug/l	95
39) Methylcyclohexane	9.20	83	9448	2.840	ug/l	97
40) Benzene	8.18	78	10720	1.442	ug/l	97
52) Toluene	10.26	92	21103	4.673	ug/l	96
65) Chlorobenzene	11.53	112	6301	1.452	ug/l	97
67) Ethyl Benzene	11.60	91	21921	2.709	ug/l	97
68) m/p-Xylenes	11.71	106	56327	18.825	ug/l	98
69) o-Xylene	12.04	106	17492	6.202	ug/l	98
73) Isopropylbenzene	12.34	105	23012	4.005	ug/l	99
78) n-propylbenzene	12.68	91	22482	3.172	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	18279	3.864	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	50399	10.736	ug/l	99
86) p-Isopropyltoluene	13.38	119	7641	1.530	ug/l	94
88) 1,4-Dichlorobenzene	13.45	146	23416	9.676	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	5529	2.551	ug/l	93
95) Naphthalene	15.24	128	115659	34.693	ug/l	100

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

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Quant Title : SW846 8260
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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: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

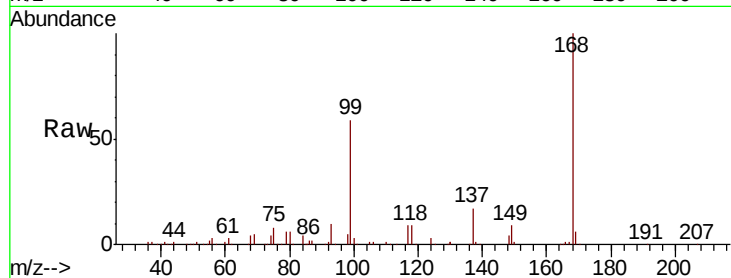
GHD1-SB-01-8-9

Tot Ion:168 Resp: 135278

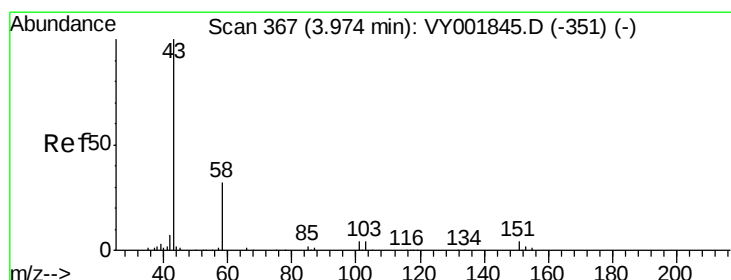
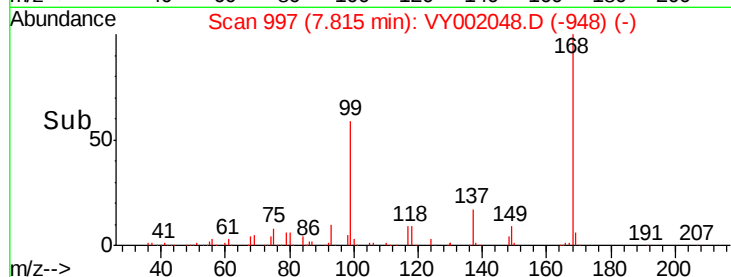
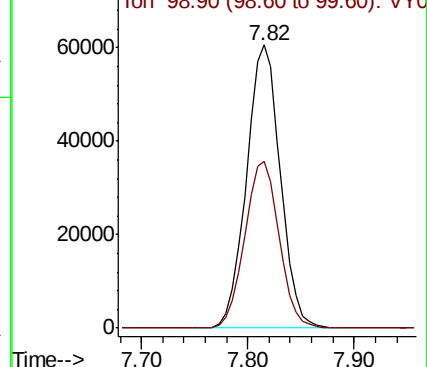
Ion Ratio Lower Upper

168 100

99 58.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY002048.D (-986) (-)



#16

Acetone

Concen: 69.324 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002048.D

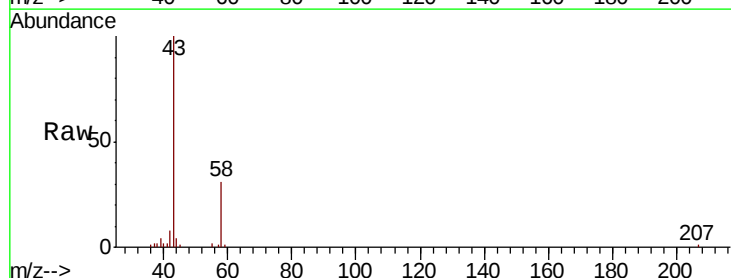
Acq: 24 Mar 2020 14:19

Tgt Ion: 43 Resp: 29160

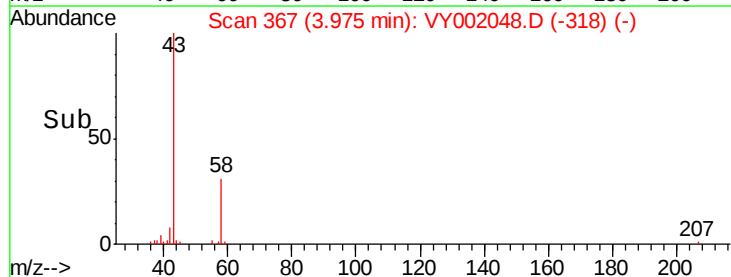
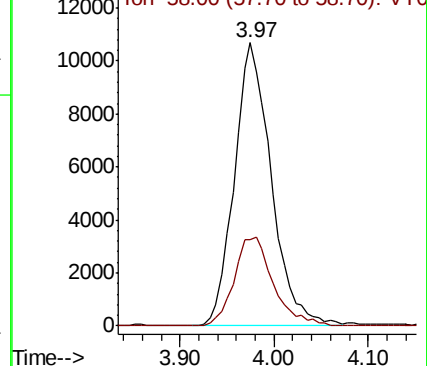
Ion Ratio Lower Upper

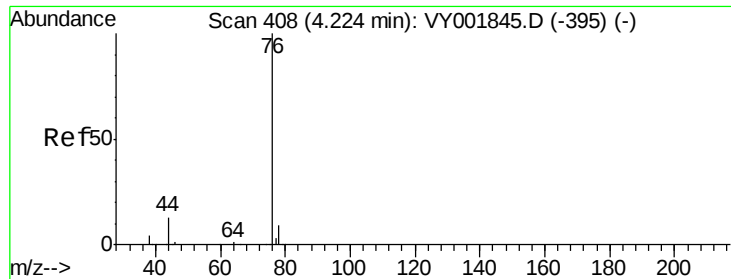
43 100

58 30.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY002048.D (-351) (-)

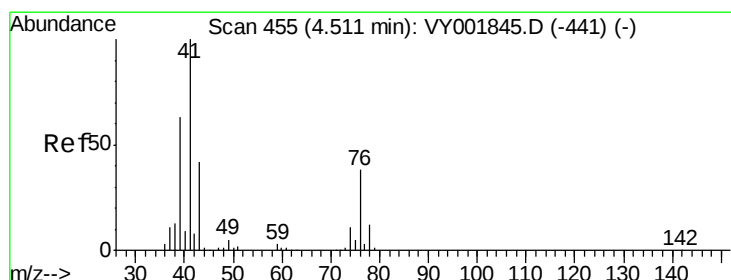
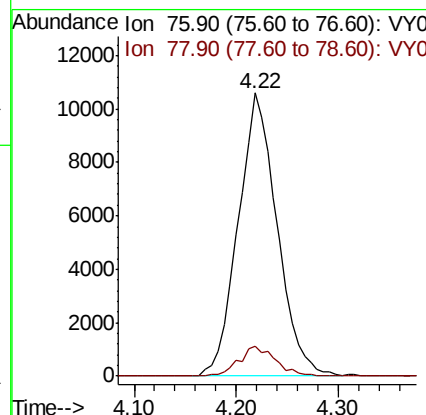
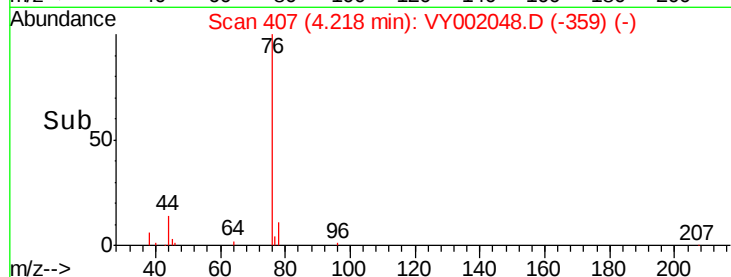
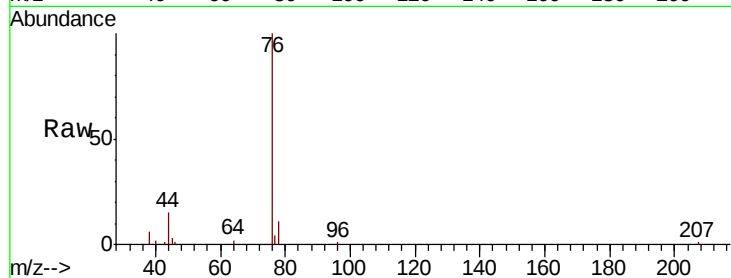




#17
Carbon Disulfide
Concen: 5.536 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

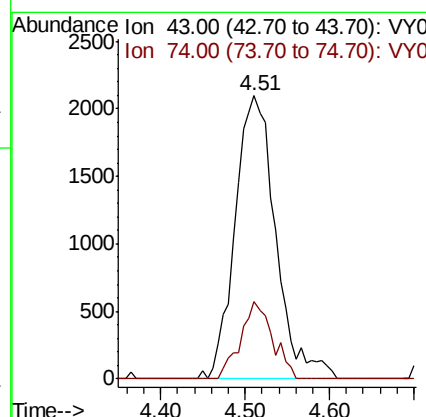
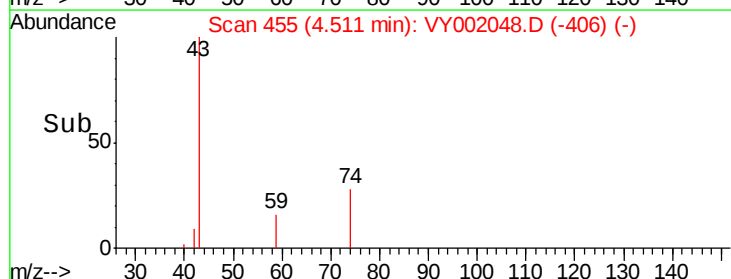
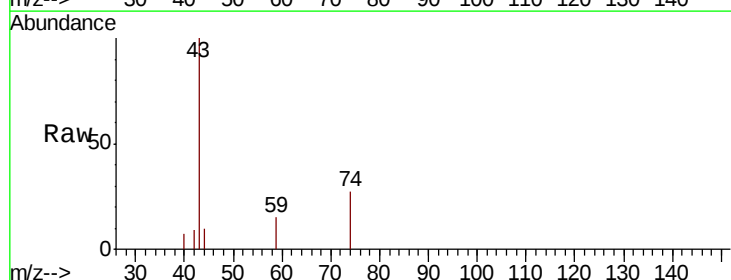
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-8-9

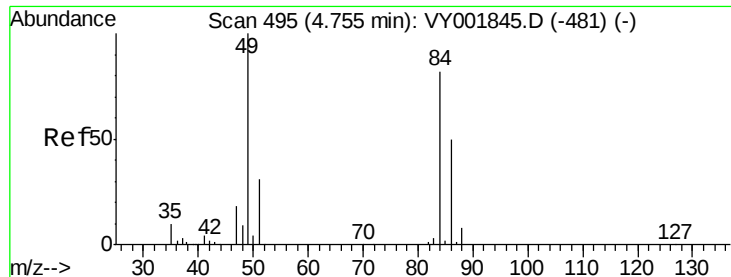
Tot Ion: 76 Resp: 27992
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.2



#18
Methyl Acetate
Concen: 6.343 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Tgt Ion: 43 Resp: 6855
Ion Ratio Lower Upper
43 100
74 21.5 19.0 28.6

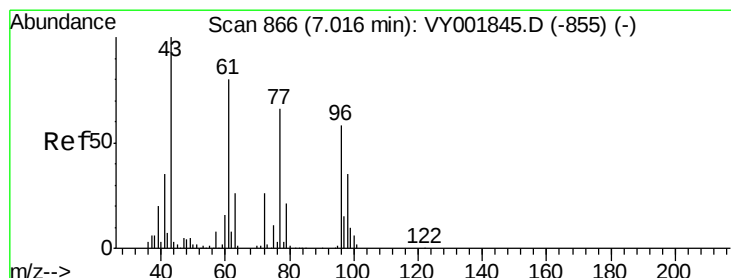
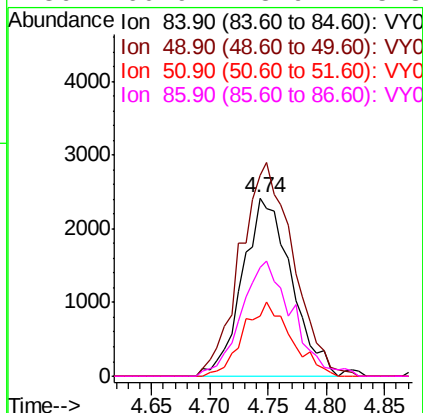
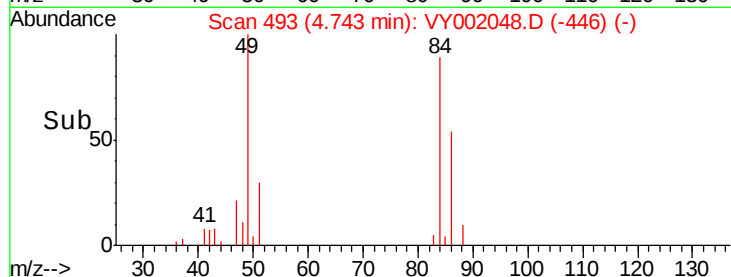
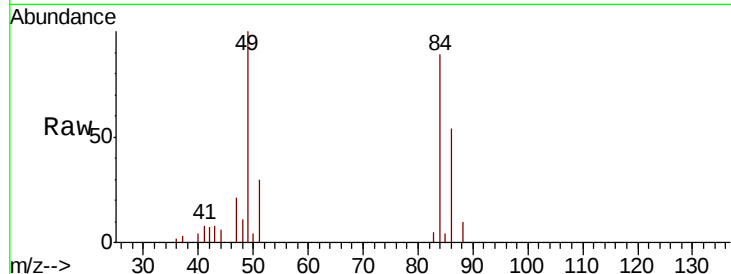




#20
Methylene Chloride
Concen: 3.907 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

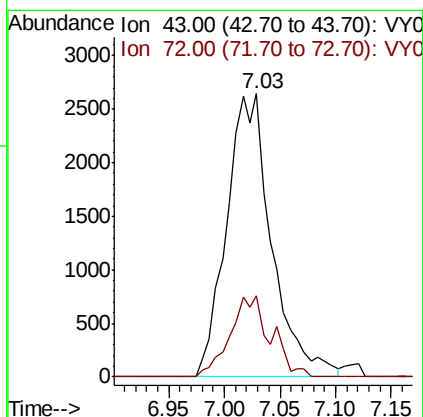
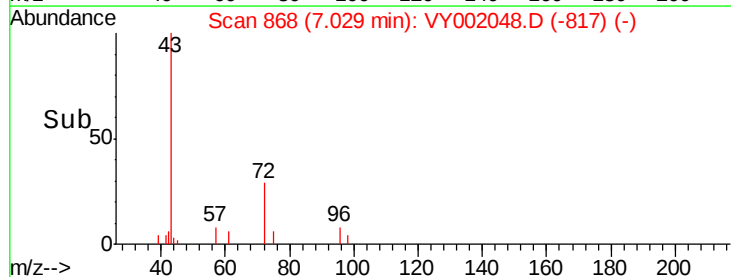
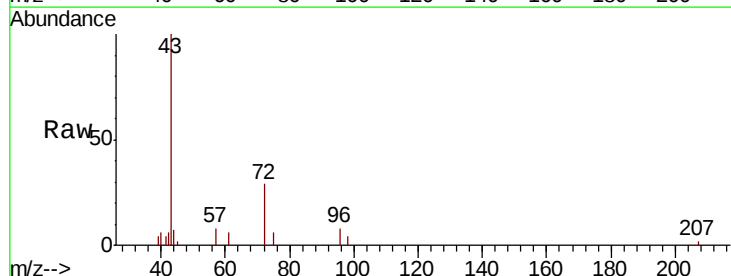
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-8-9

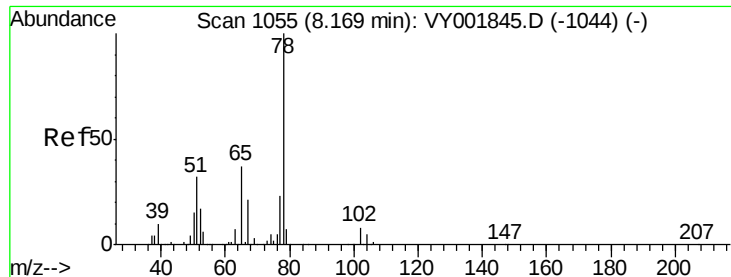
Tot Ion: 84 Resp: 7043
Ion Ratio Lower Upper
84 100
49 112.8 98.2 147.2
51 33.5 30.2 45.2
86 60.9 48.9 73.3



#25
2-Butanone
Concen: 11.592 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Tgt Ion: 43 Resp: 7415
Ion Ratio Lower Upper
43 100
72 28.6 20.9 31.3

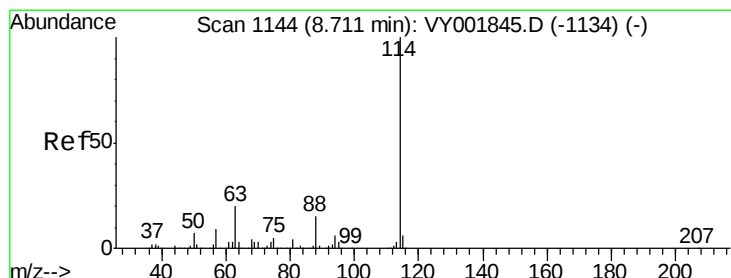
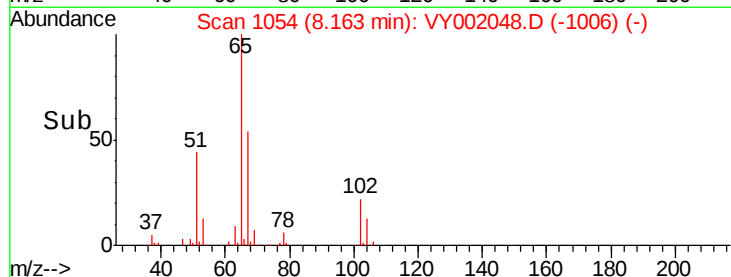
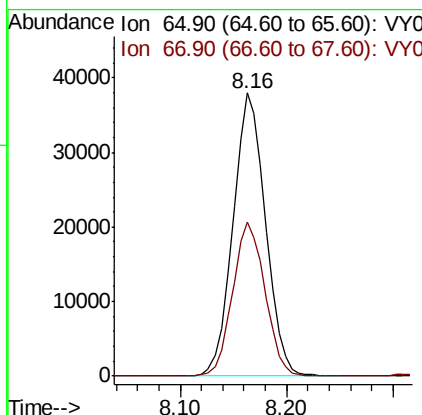
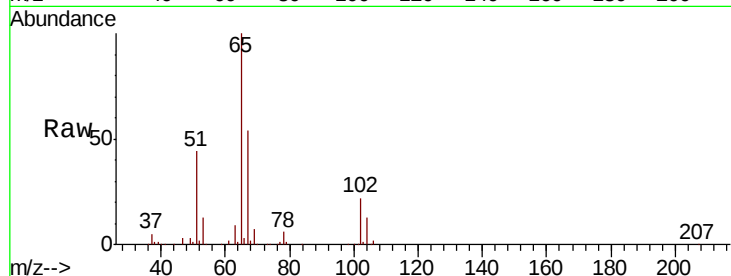




#33
 1,2-Dichloroethane-d4
 Concen: 56.244 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

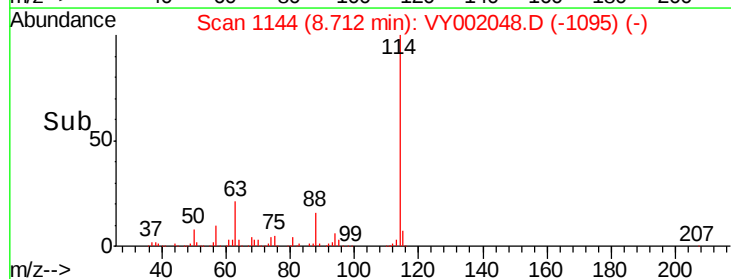
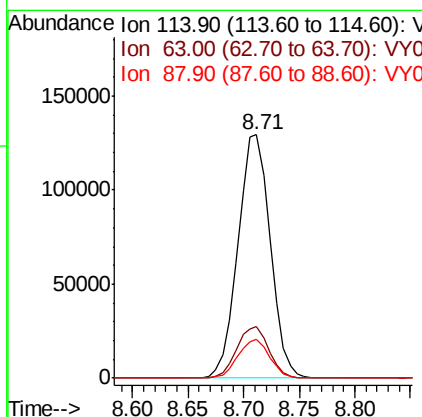
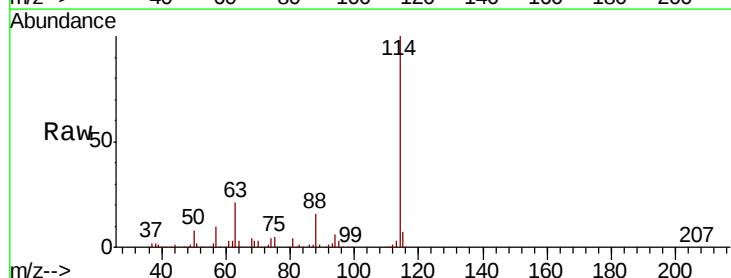
Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-8-9

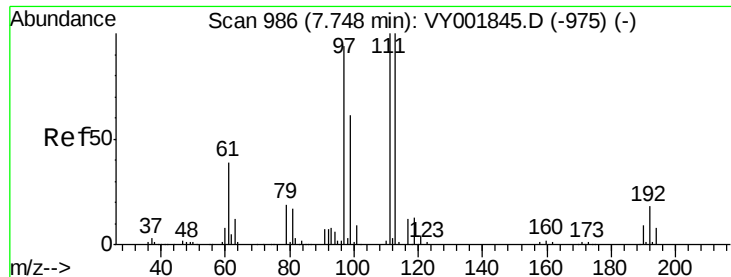
Tot Ion: 65 Resp: 81227
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

Tgt Ion: 114 Resp: 260626
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.4
 88 15.7 0.0 30.4

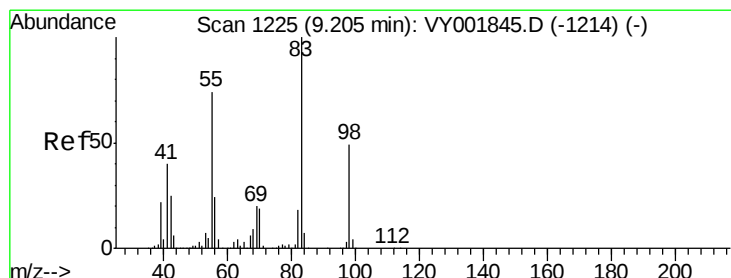
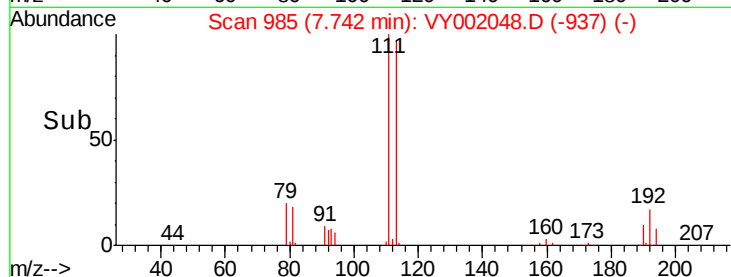
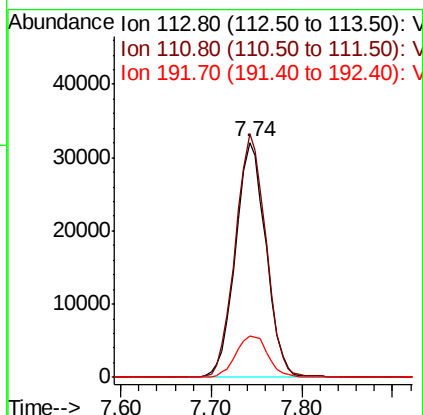
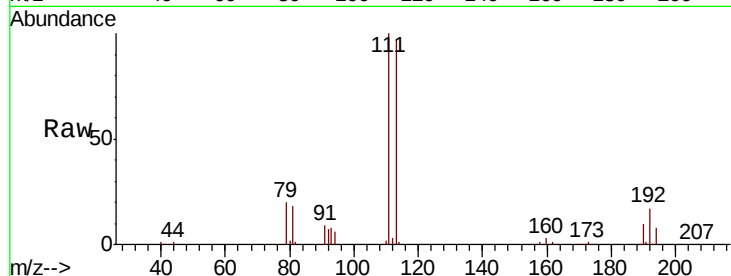




#35
Dibromofluoromethane
Concen: 52.617 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

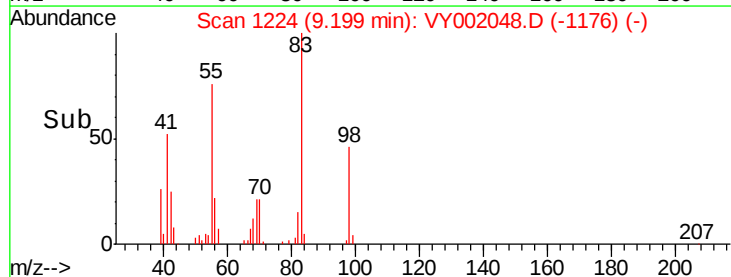
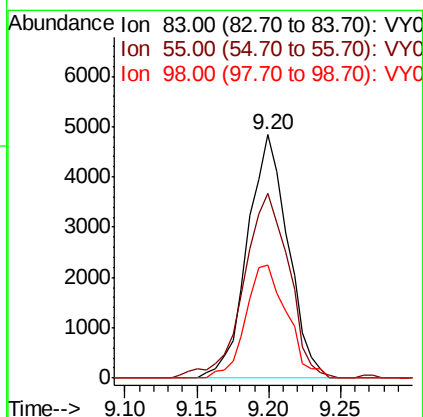
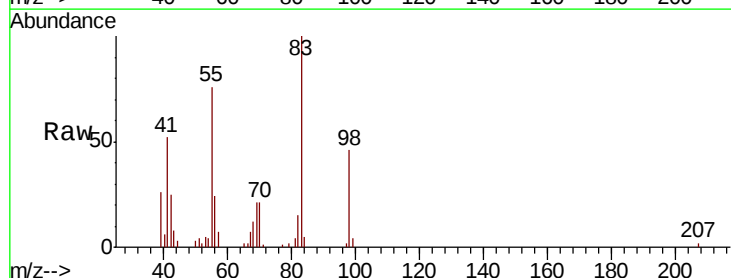
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-8-9

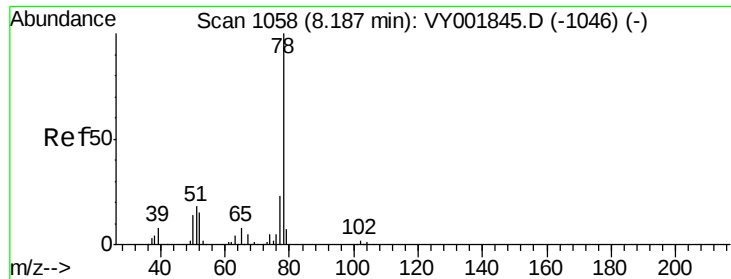
Tot Ion:113 Resp: 74881
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 18.5 14.2 21.2



#39
Methylcyclohexane
Concen: 2.840 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Tgt Ion: 83 Resp: 9448
Ion Ratio Lower Upper
83 100
55 75.9 59.4 89.0
98 46.4 38.9 58.3





#40

Benzene

Concen: 1.442 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

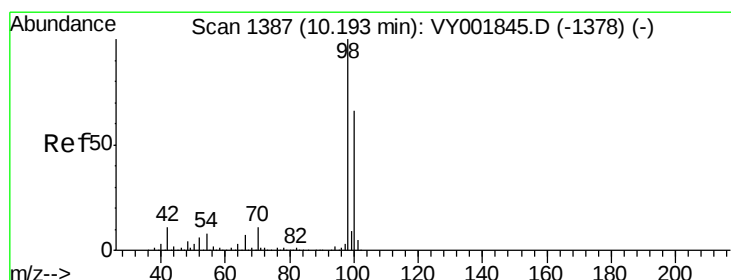
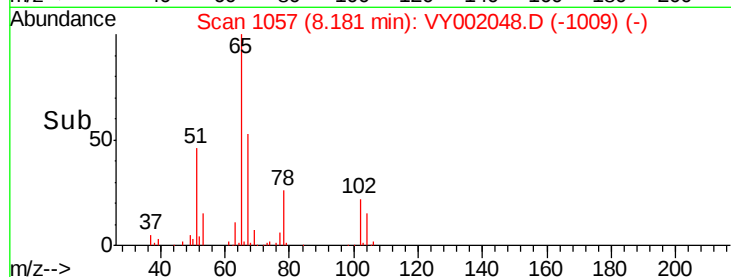
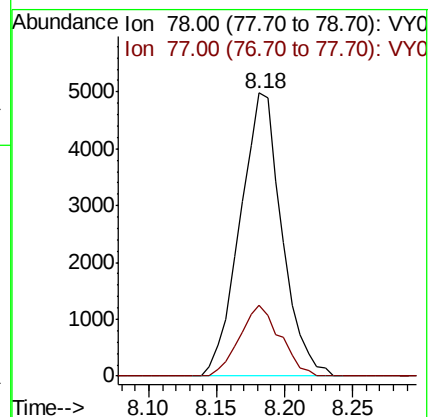
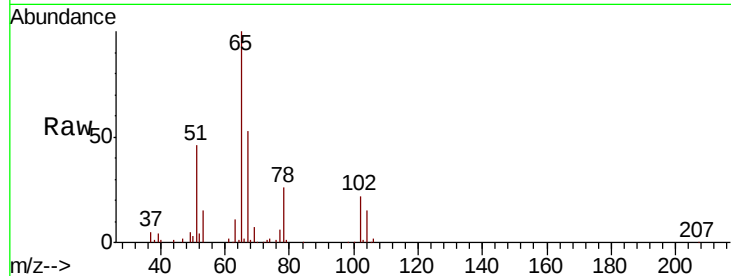
GHD1-SB-01-8-9

Tot Ion: 78 Resp: 10720

Ion Ratio Lower Upper

78 100

77 25.0 18.7 28.1



#50

Toluene-d8

Concen: 51.567 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002048.D

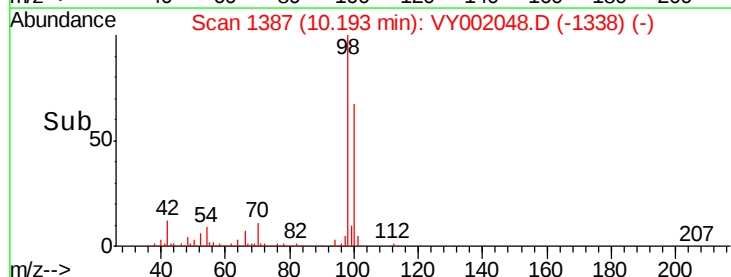
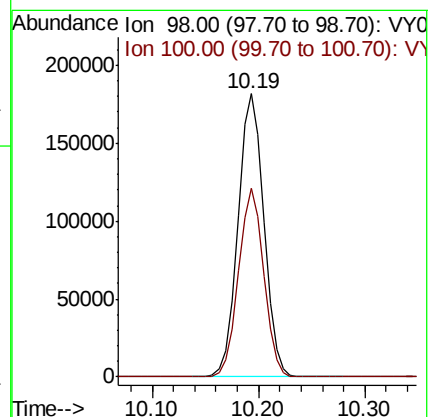
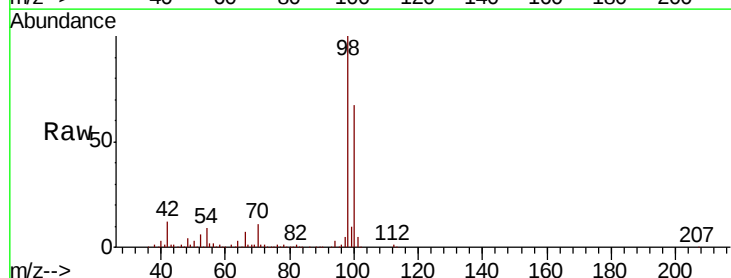
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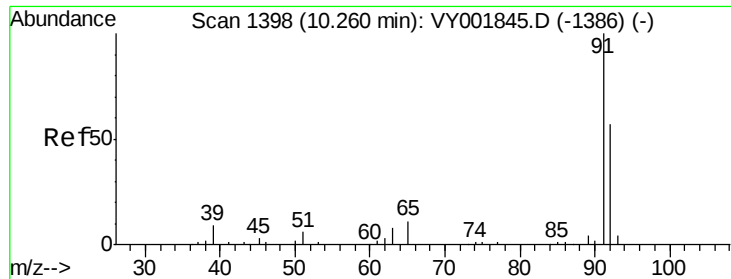
Tgt Ion: 98 Resp: 309462

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.4





#52

Toluene

Concen: 4.673 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

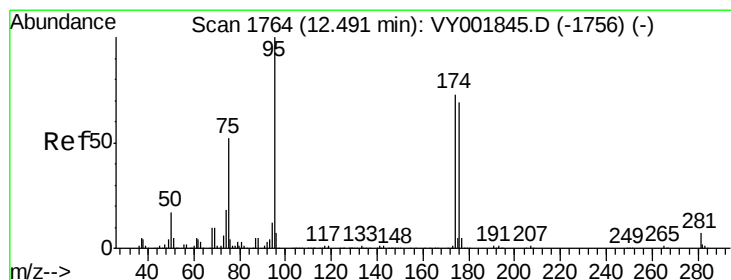
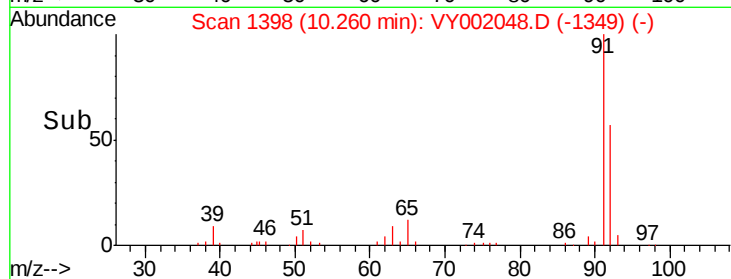
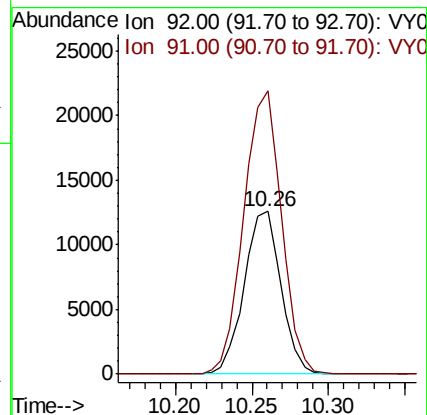
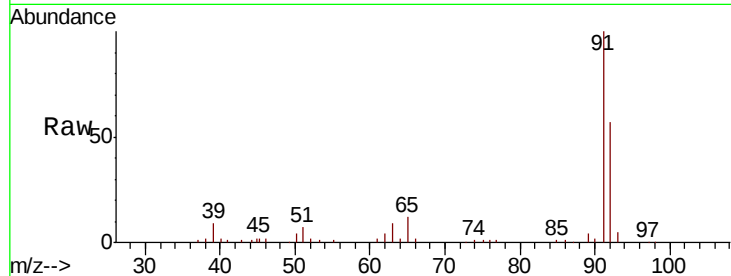
GHD1-SB-01-8-9

Tot Ion: 92 Resp: 21103

Ion Ratio Lower Upper

92 100

91 178.2 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 43.898 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

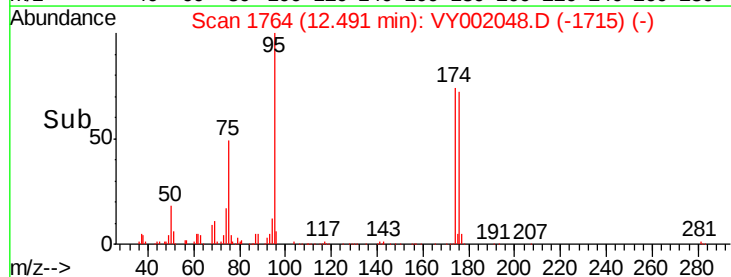
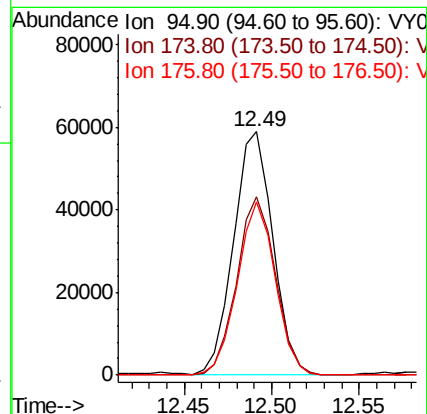
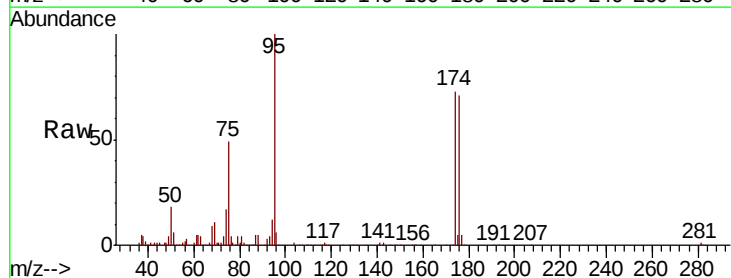
Tgt Ion: 95 Resp: 91600

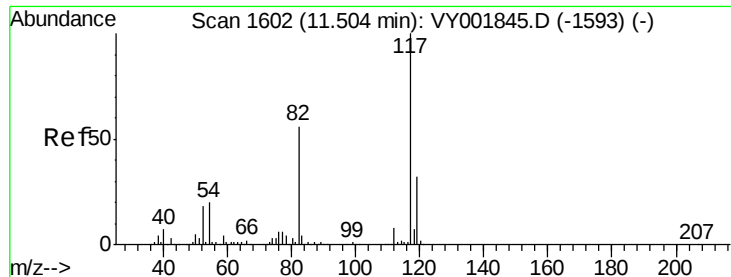
Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

176 68.8 0.0 137.4

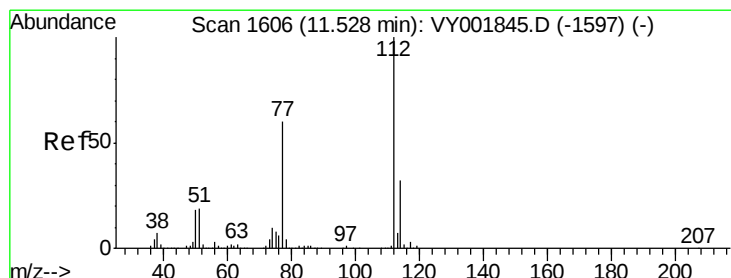
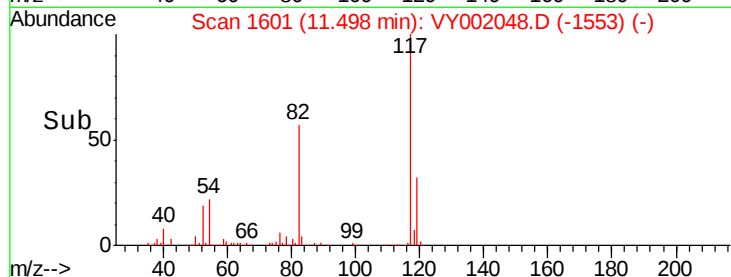
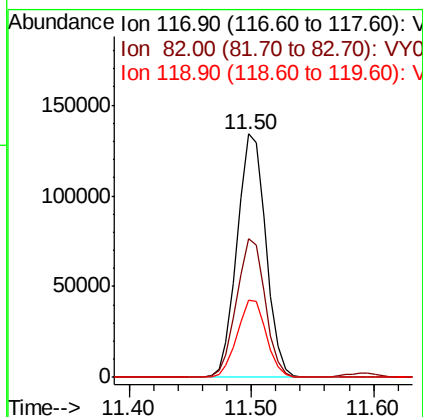
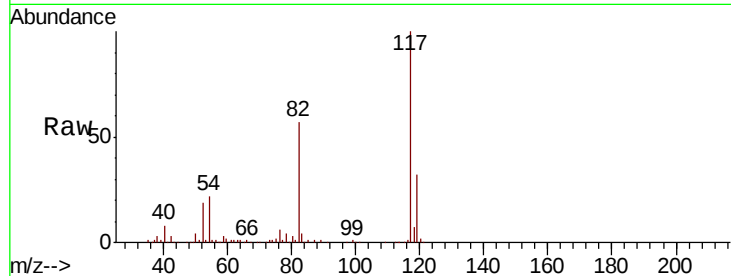




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

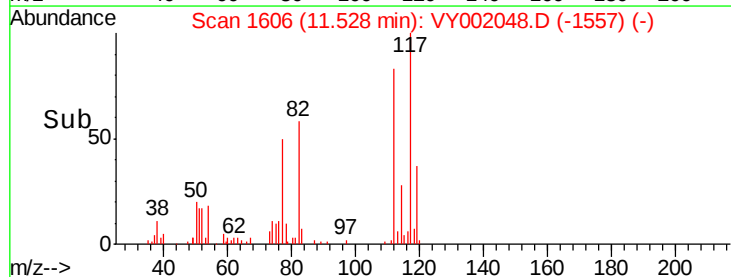
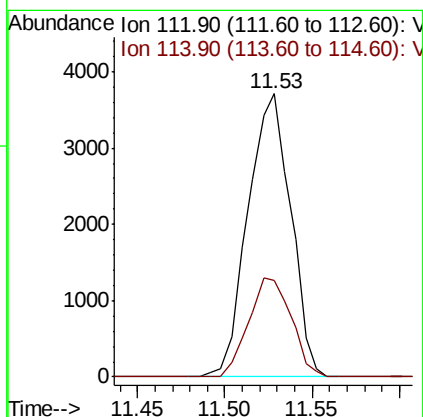
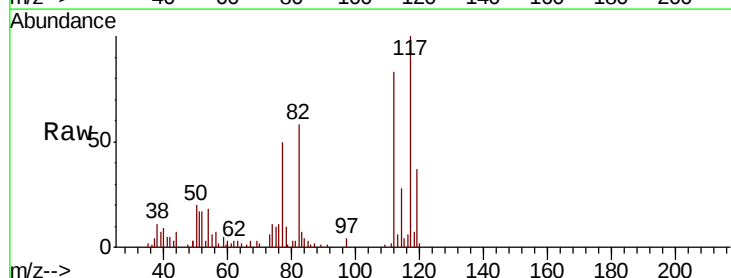
Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-8-9

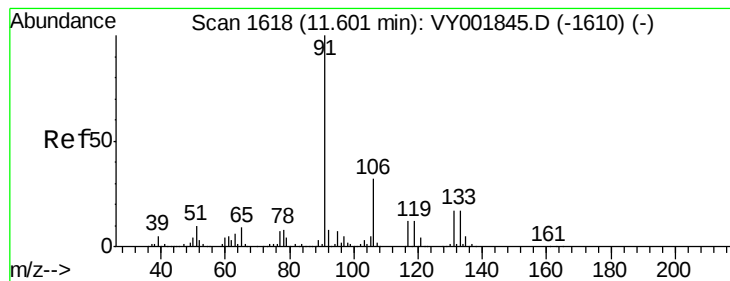
Tot Ion:117 Resp: 217789
Ion Ratio Lower Upper
117 100
82 57.0 44.5 66.7
119 31.8 25.7 38.5



#65
Chlorobenzene
Concen: 1.452 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Tgt Ion:112 Resp: 6301
Ion Ratio Lower Upper
112 100
114 34.3 25.9 38.9





#67

Ethyl Benzene

Concen: 2.709 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

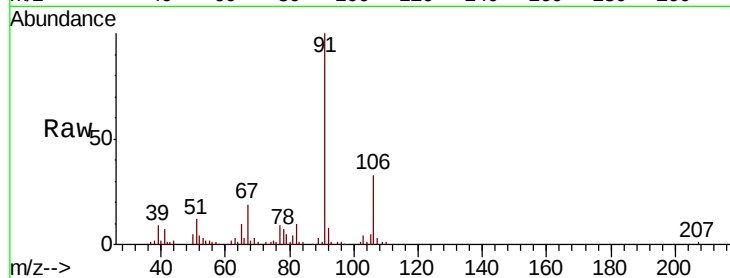
GHD1-SB-01-8-9

Tot Ion: 91 Resp: 21921

Ion Ratio Lower Upper

91 100

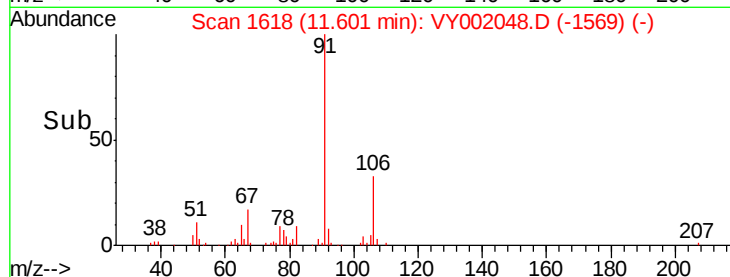
106 33.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1610) (-)

Ion 106.00 (105.70 to 106.70): VY001845.D (-1610) (-)

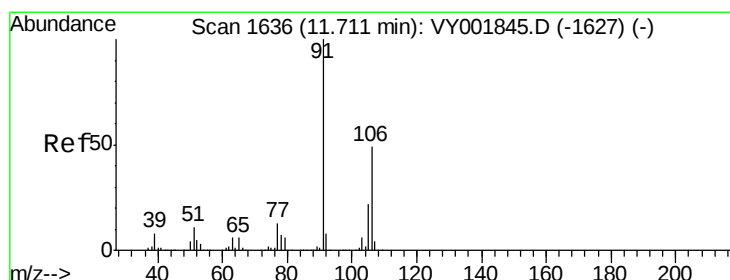
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VY002048.D (-1569) (-)

Ion 106.00 (105.70 to 106.70): VY002048.D (-1569) (-)

Time-->



#68

m/p-Xylenes

Concen: 18.825 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002048.D

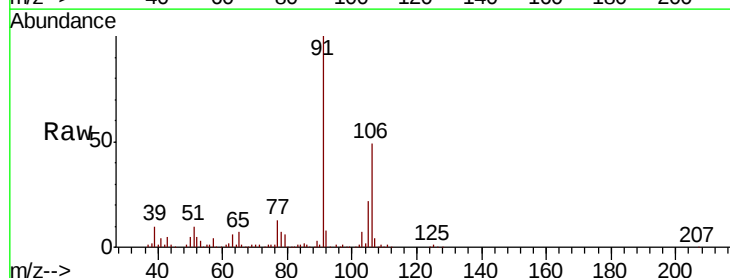
Acq: 24 Mar 2020 14:19

Tgt Ion: 106 Resp: 56327

Ion Ratio Lower Upper

106 100

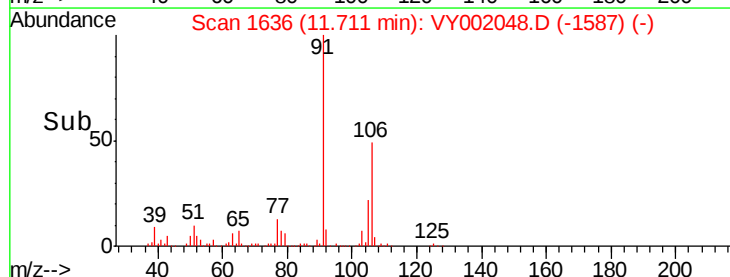
91 204.5 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): VY001845.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1627) (-)

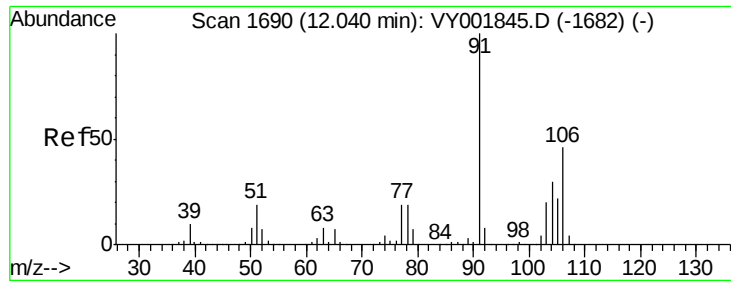
Time-->



Abundance Ion 106.00 (105.70 to 106.70): VY002048.D (-1587) (-)

Ion 91.00 (90.70 to 91.70): VY002048.D (-1587) (-)

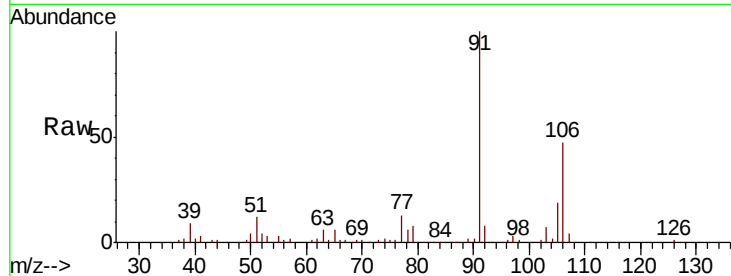
Time-->



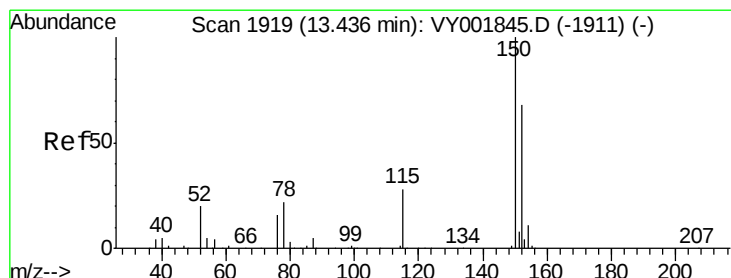
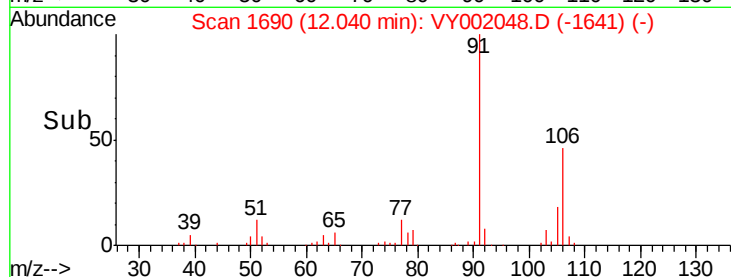
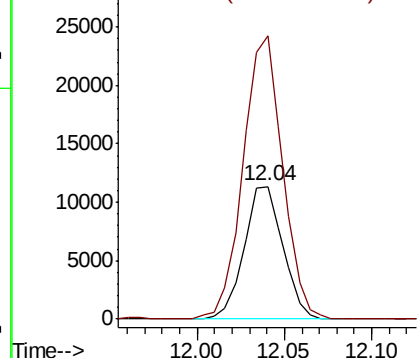
#69
o-Xylene
Concen: 6.202 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :
GHD1-SB-01-8-9

Tot Ion:106 Resp: 17492
Ion Ratio Lower Upper
106 100
91 217.4 106.8 320.4

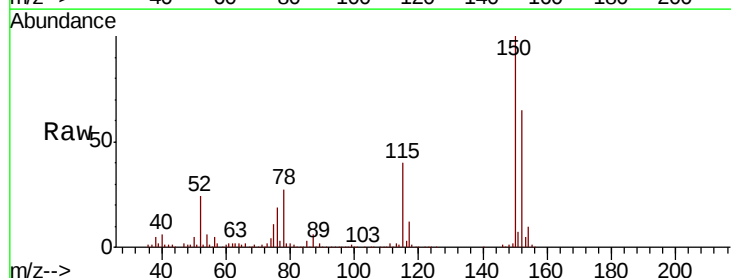


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

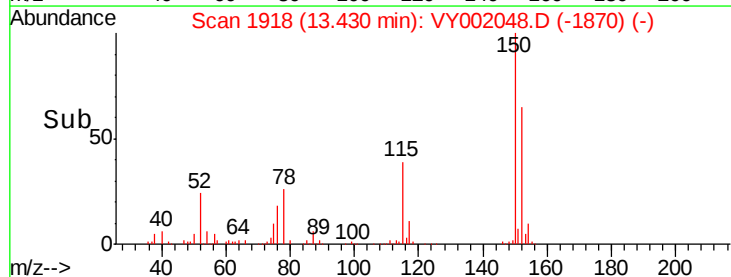
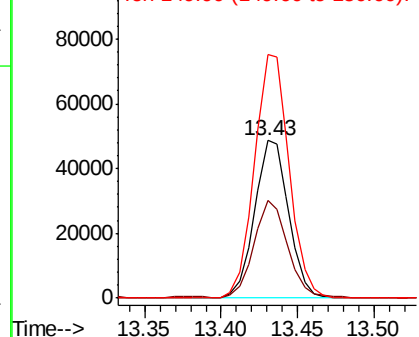


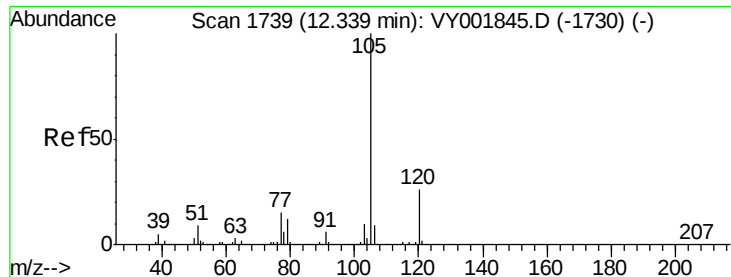
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002048.D
Acq: 24 Mar 2020 14:19

Tgt Ion:152 Resp: 75269
Ion Ratio Lower Upper
152 100
115 61.7 29.9 89.7
150 157.4 0.0 340.6



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: 4.005 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

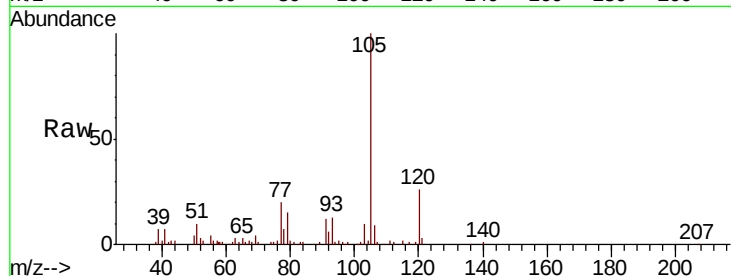
GHD1-SB-01-8-9

Tot Ion:105 Resp: 23012

Ion Ratio Lower Upper

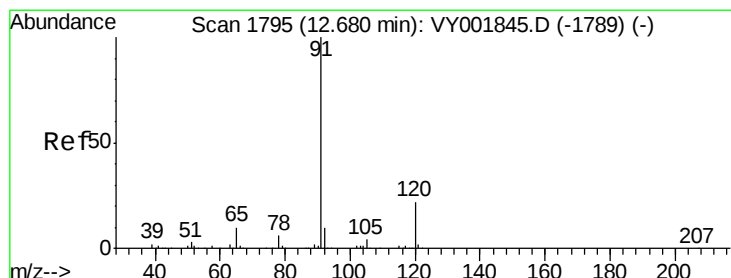
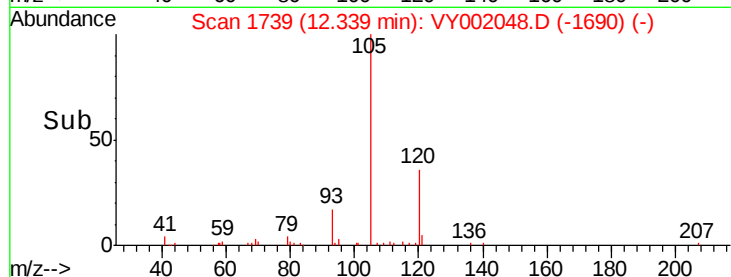
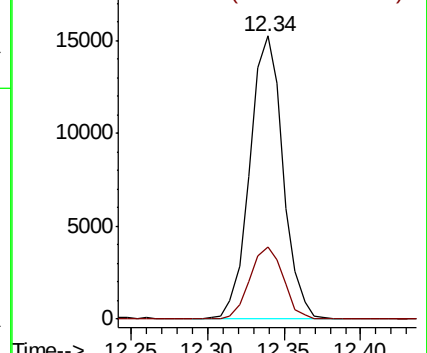
105 100

120 25.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.172 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002048.D

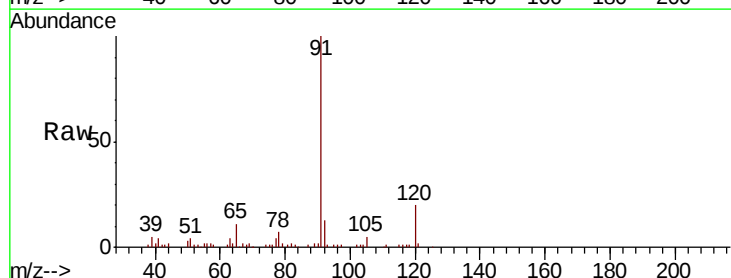
Acq: 24 Mar 2020 14:19

Tgt Ion: 91 Resp: 22482

Ion Ratio Lower Upper

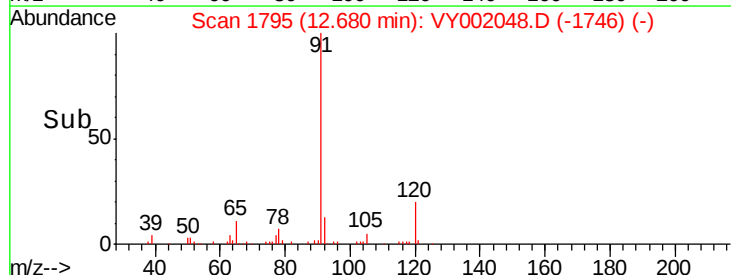
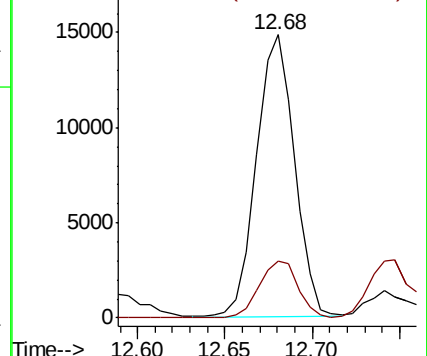
91 100

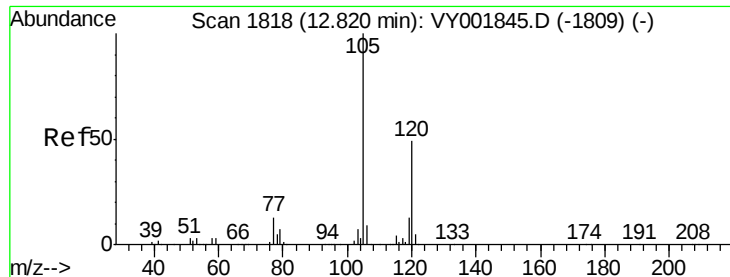
120 20.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.864 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002048.D

Acq: 24 Mar 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

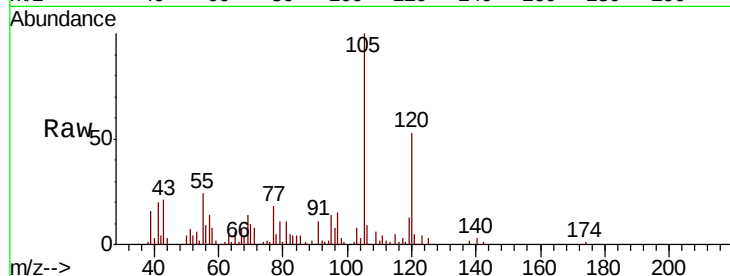
GHD1-SB-01-8-9

Tot Ion:105 Resp: 18279

Ion Ratio Lower Upper

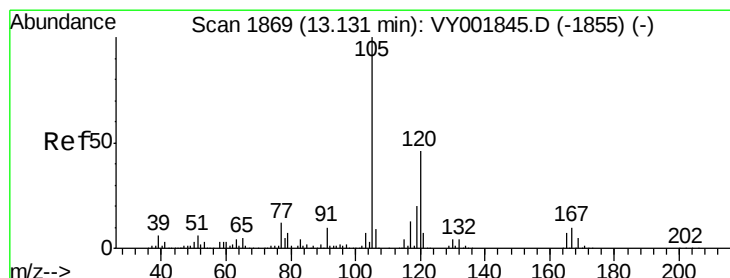
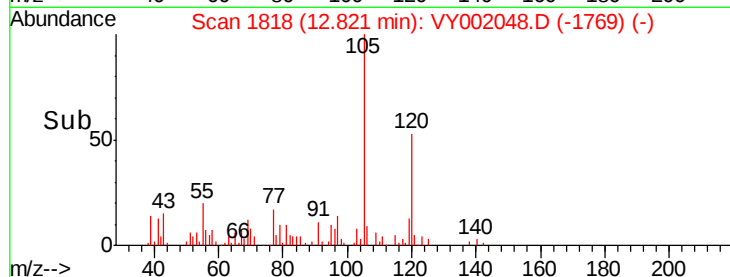
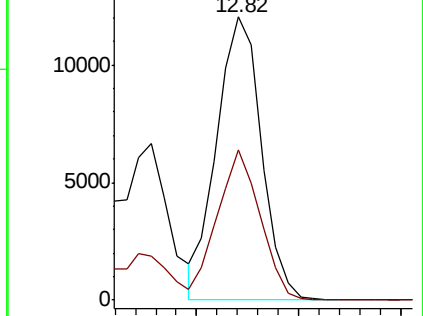
105 100

120 50.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.736 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY002048.D

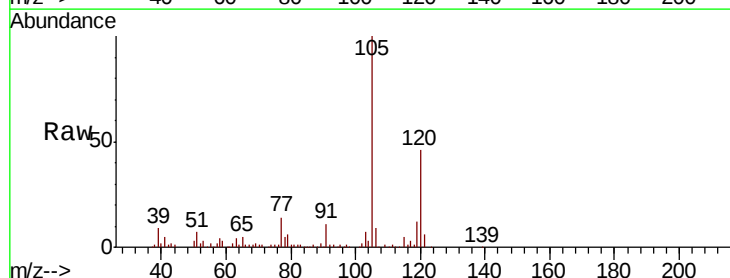
Acq: 24 Mar 2020 14:19

Tgt Ion:105 Resp: 50399

Ion Ratio Lower Upper

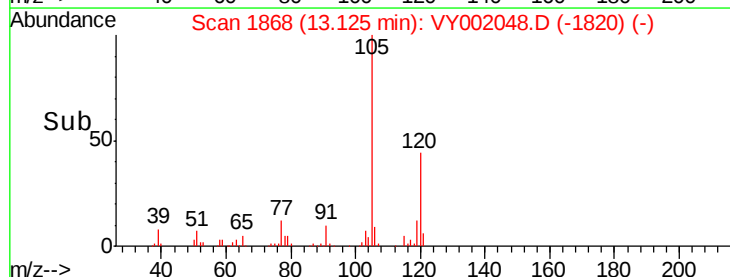
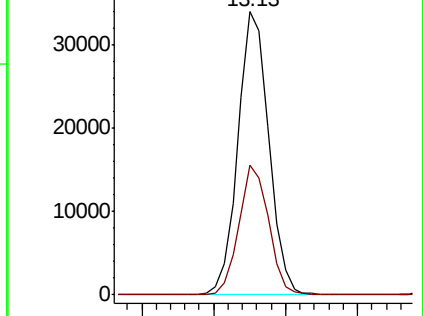
105 100

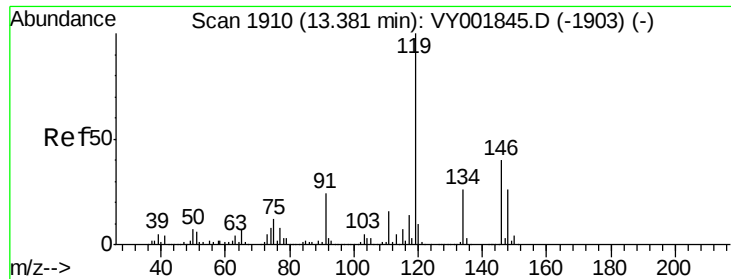
120 44.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

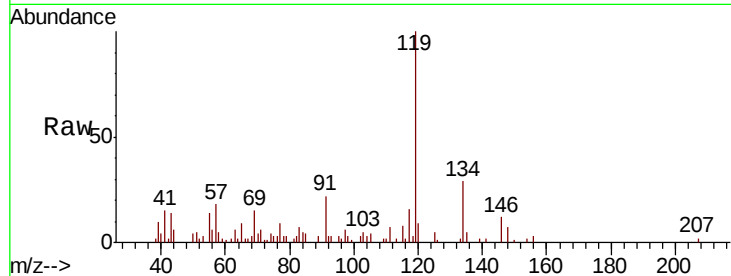




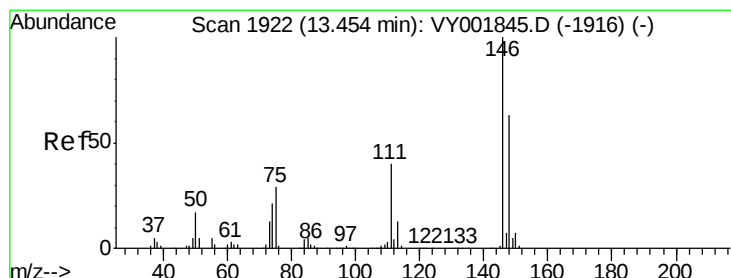
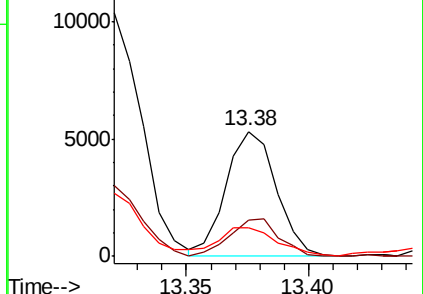
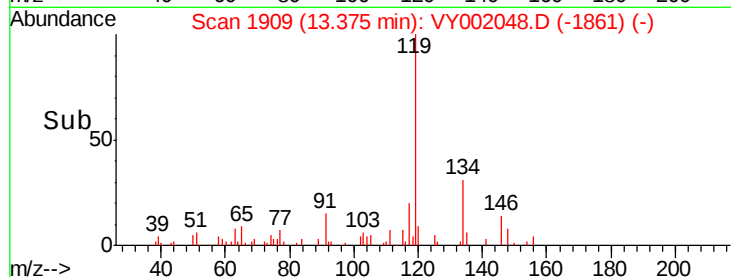
#86
 p-Isopropyltoluene
 Concen: 1.530 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleID :
 GHD1-SB-01-8-9

Tot Ion:119 Resp: 7641
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.1 39.3
 91 26.8 11.9 35.7

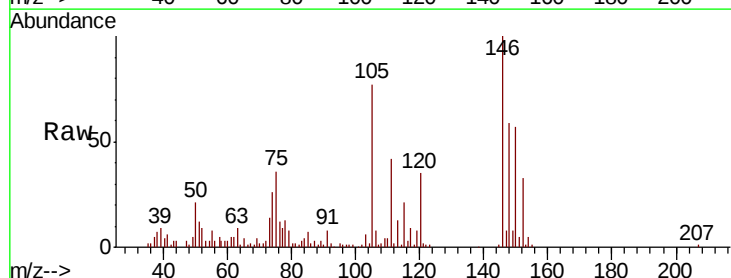


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

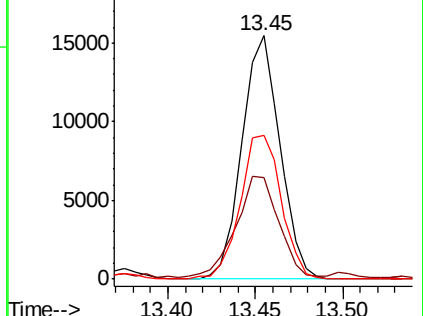
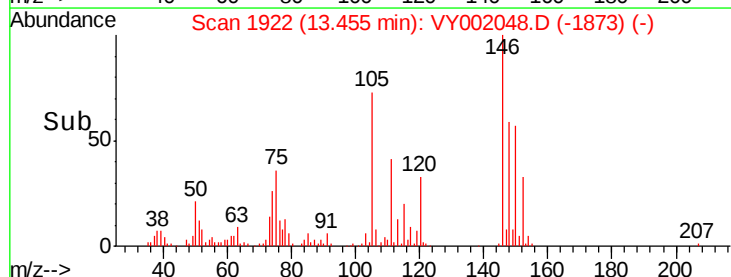


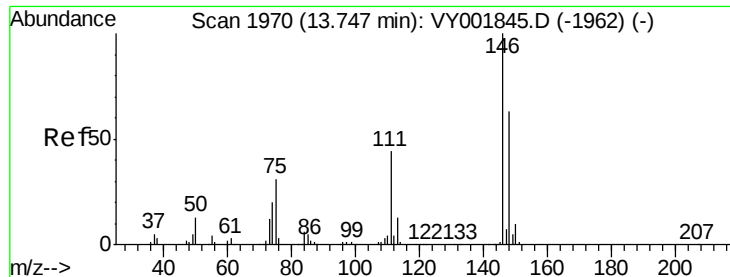
#88
 1,4-Dichlorobenzene
 Concen: 9.676 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

Tgt Ion:146 Resp: 23416
 Ion Ratio Lower Upper
 146 100
 111 46.1 20.0 60.0
 148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

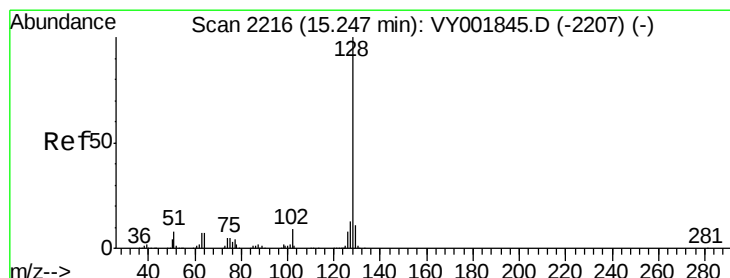
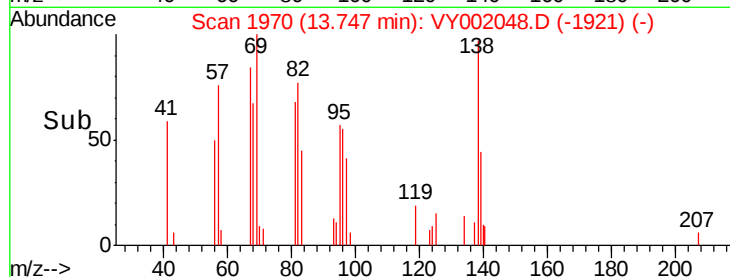
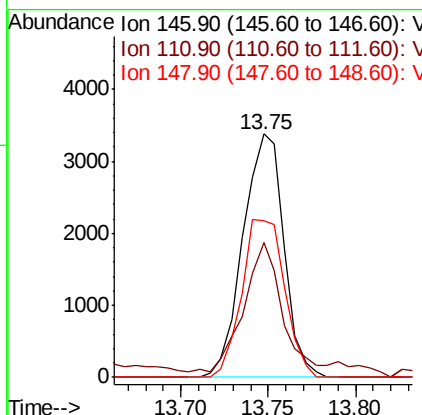
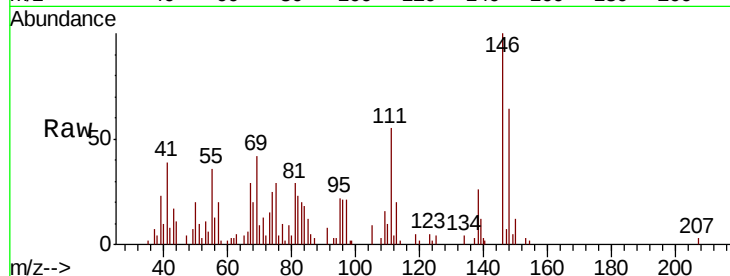




#91
 1,2-Dichlorobenzene
 Concen: 2.551 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHD1-SB-01-8-9

Tot Ion:146 Resp: 5529
 Ion Ratio Lower Upper
 146 100
 111 48.5 21.5 64.5
 148 68.0 32.0 96.0



#95
 Naphthalene
 Concen: 34.693 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002048.D
 Acq: 24 Mar 2020 14:19

Tgt Ion:128 Resp: 115659
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.1 15.1
 129 10.7 8.6 13.0

