

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\
 Data File : VY001822.D
 Acq On : 02 Mar 2020 16:08
 Operator : SY/MD
 Sample : L1757-01
 Misc : 7.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-030220

Quant Time: Mar 02 17:17:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	139062	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	266013	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	194647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	68718	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	85403	57.09	ug/l	-0.01
Spiked Amount			Recovery	=	114.18%	
35) Dibromofluoromethane	7.74	113	80296	52.70	ug/l	-0.01
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.19	98	311126	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.49	95	122937	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

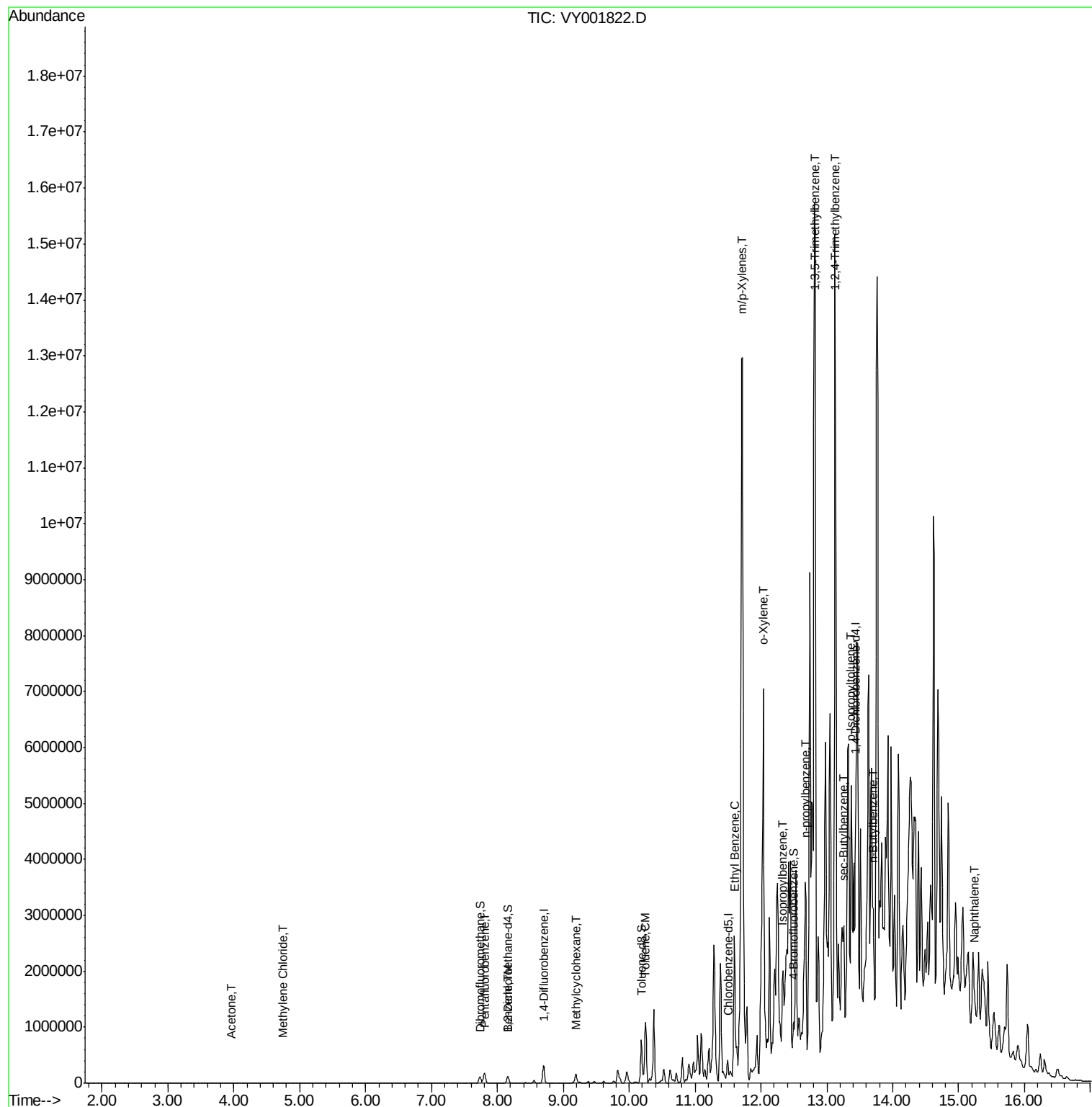
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	5871	11.343	ug/l	92
20) Methylene Chloride	4.74	84	3326	1.809	ug/l	87
39) Methylcyclohexane	9.19	83	69668	20.667	ug/l	99
40) Benzene	8.17	78	9282	1.242	ug/l	94
52) Toluene	10.25	92	461932	99.096	ug/l	100
67) Ethyl Benzene	11.60	91	1761610	244.271	ug/l	99
68) m/p-Xylenes	11.70	106	2183541	810.552	ug/l	96
69) o-Xylene	12.03	106	1592389	621.767	ug/l	100
73) Isopropylbenzene	12.33	105	676015	129.132	ug/l	100
78) n-propylbenzene	12.67	91	2310432	362.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	2089051	482.070	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	7996891	1850.997	ug/l	100
85) sec-Butylbenzene	13.26	105	731660	137.259	ug/l	80
86) p-Isopropyltoluene	13.38	119	529438	114.330	ug/l	99
89) n-Butylbenzene	13.70	91	868458	183.536	ug/l #	77
95) Naphthalene	15.24	128	242405	78.106	ug/l #	90

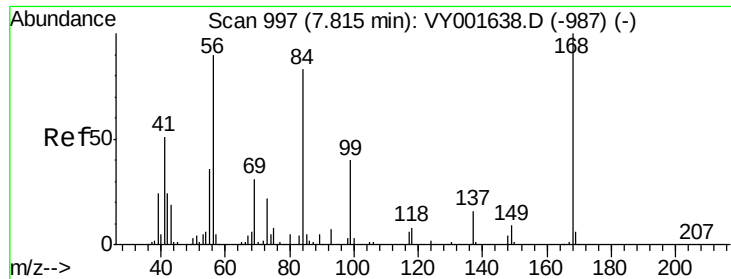
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001822.D

Acq: 02 Mar 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

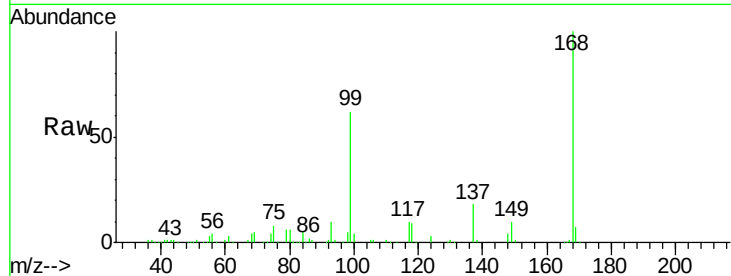
EO-02-030220

Tot Ion:168 Resp: 139062

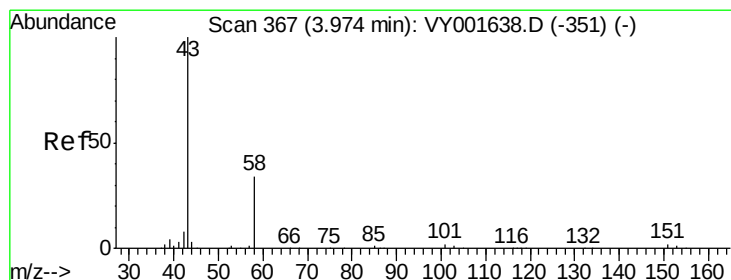
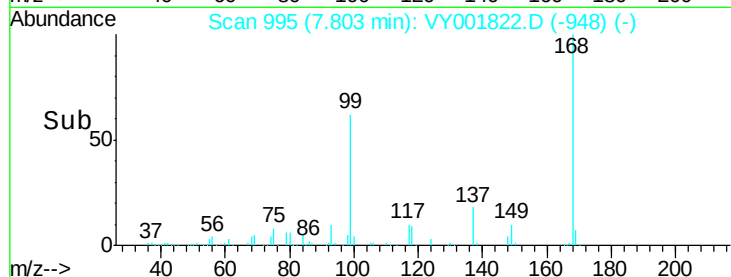
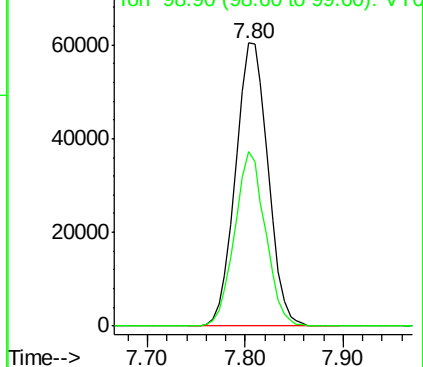
Ion Ratio Lower Upper

168 100

99 61.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001822.D (-948) (-)



#16

Acetone

Concen: 11.343 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001822.D

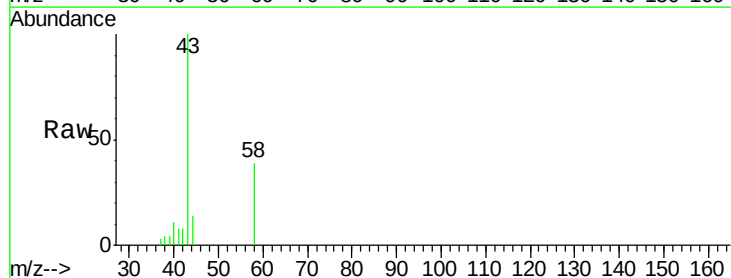
Acq: 02 Mar 2020 16:08

Tgt Ion: 43 Resp: 5871

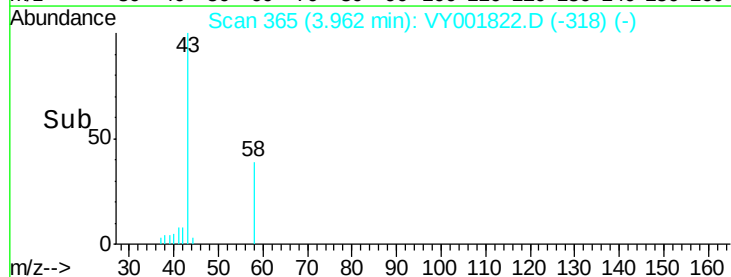
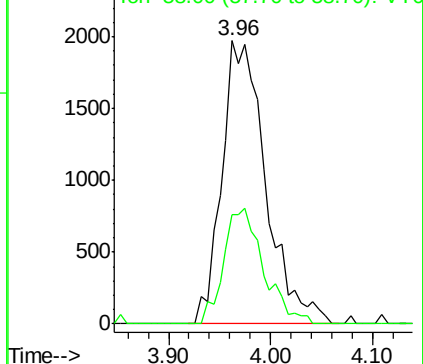
Ion Ratio Lower Upper

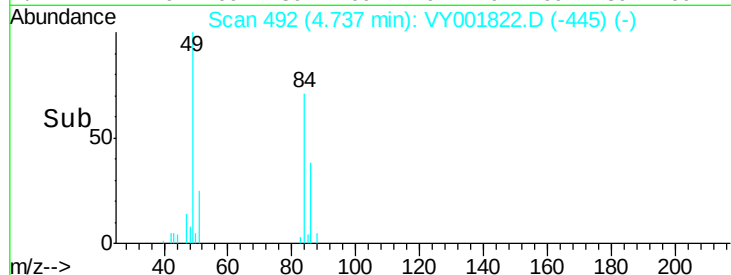
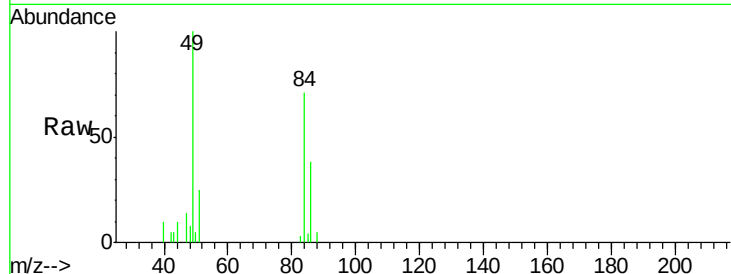
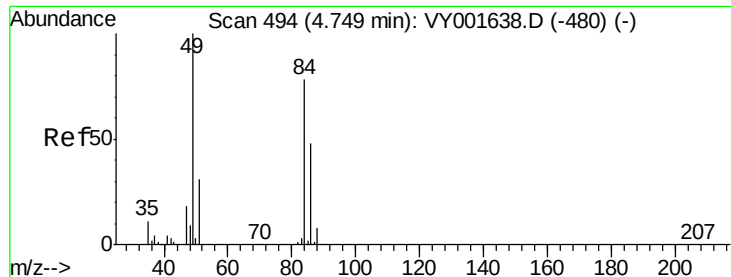
43 100

58 38.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001822.D (-318) (-)

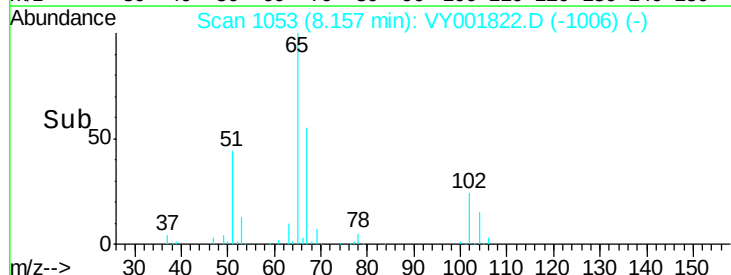
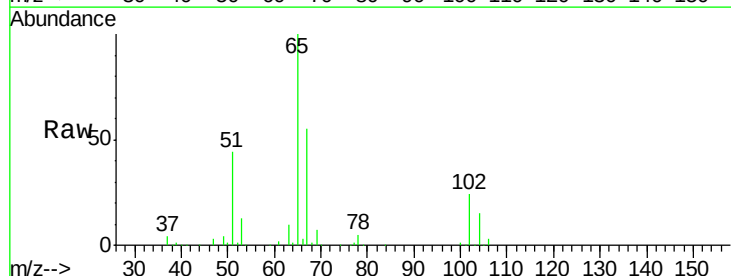
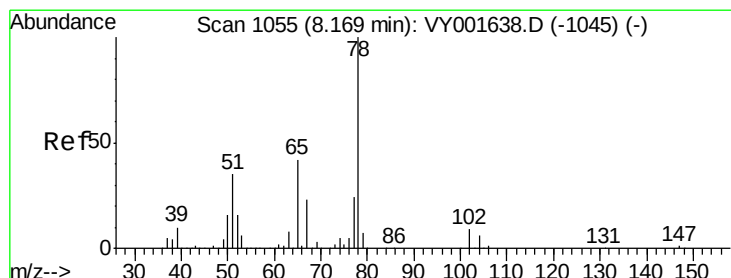
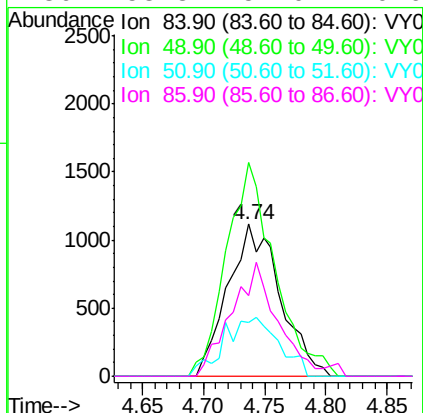




#20
Methylene Chloride
Concen: 1.809 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

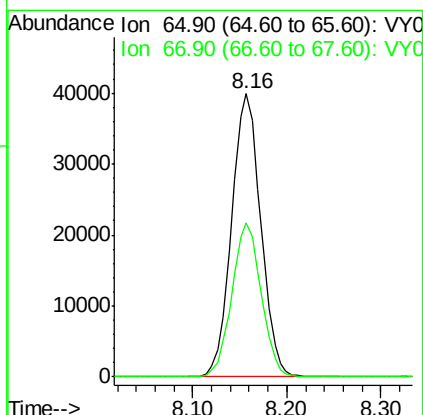
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-030220

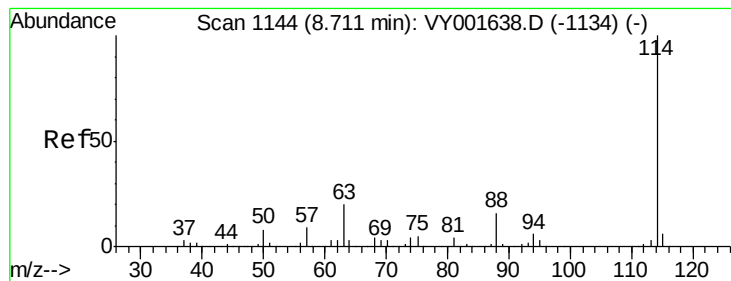
Tot Ion: 84 Resp: 3326
Ion Ratio Lower Upper
84 100
49 140.7 99.2 148.8
51 35.7 31.5 47.3
86 53.3 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 57.095 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion: 65 Resp: 85403
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001822.D

Acq: 02 Mar 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-030220

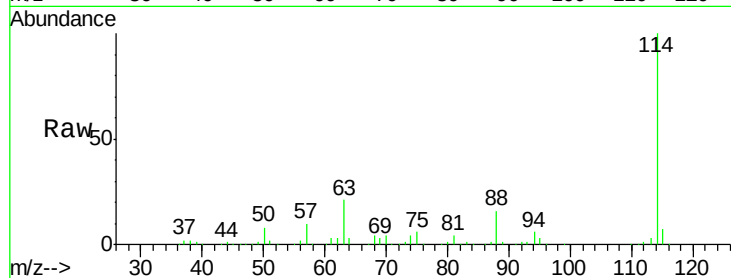
Tot Ion:114 Resp: 266013

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

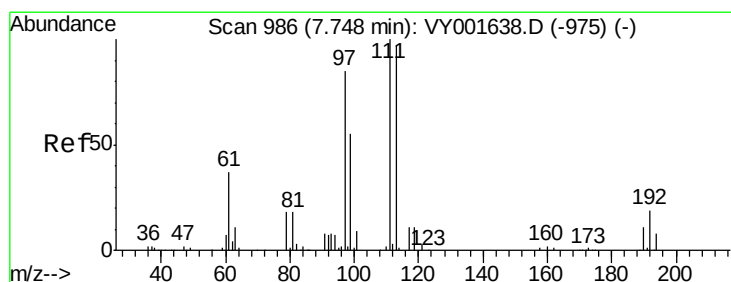
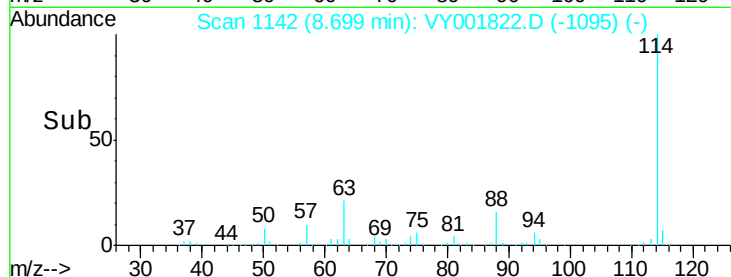
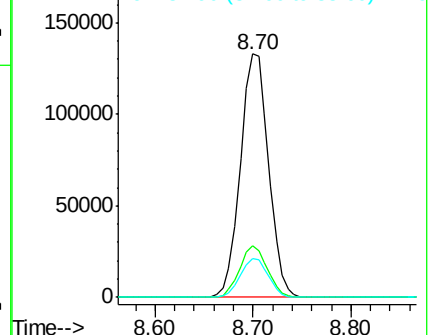
88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 52.701 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001822.D

Acq: 02 Mar 2020 16:08

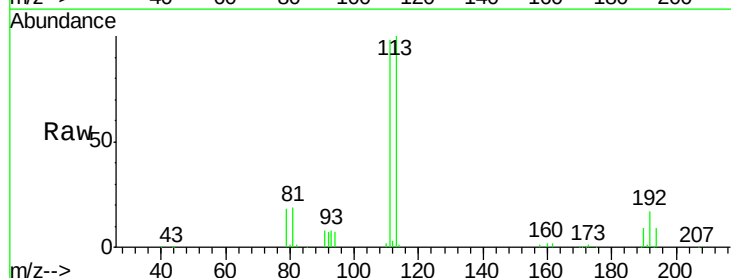
Tgt Ion:113 Resp: 80296

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

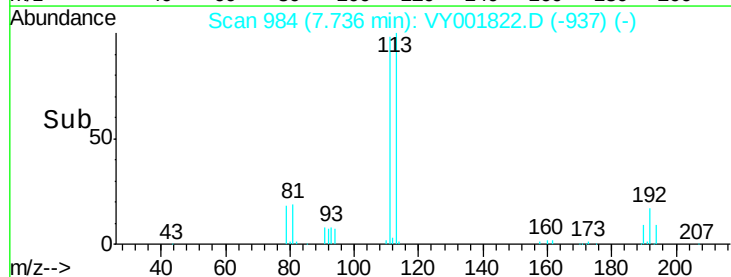
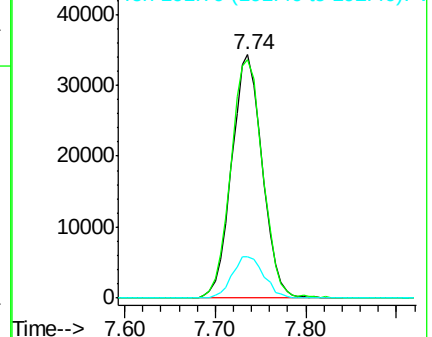
192 17.5 14.3 21.5

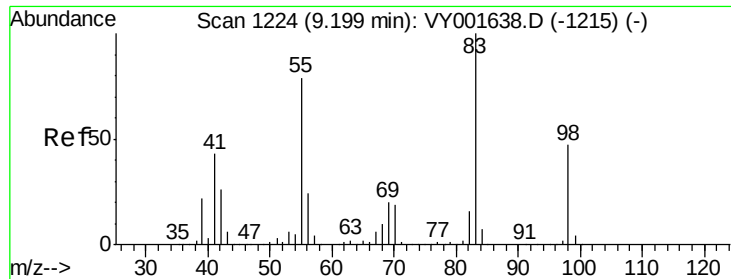


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

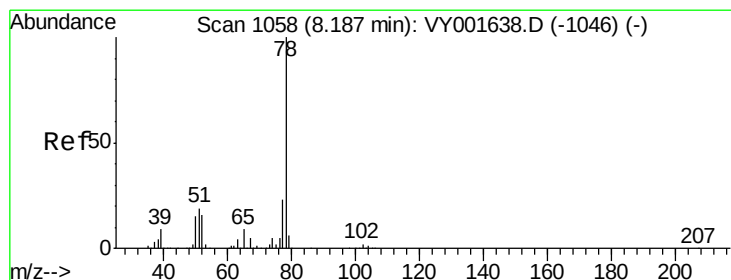
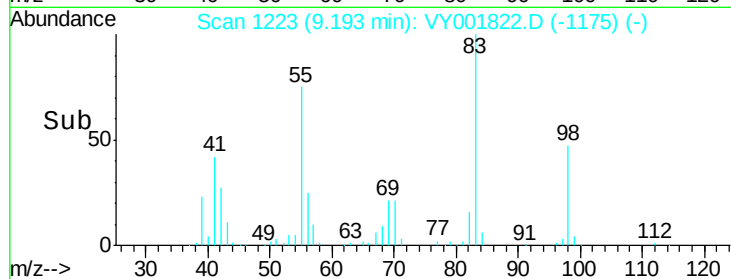
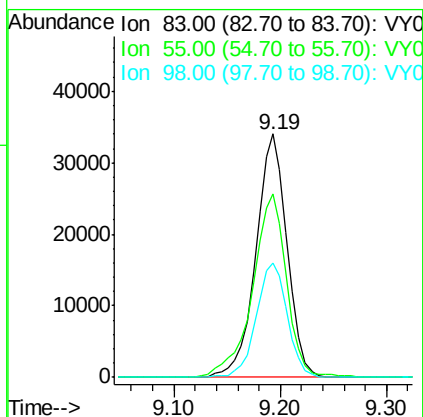
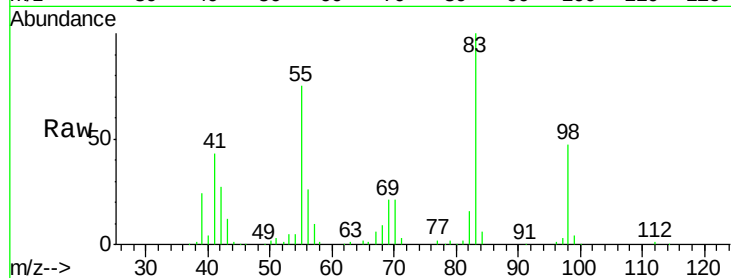




#39
Methylvlcyclohexane
Concen: 20.667 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

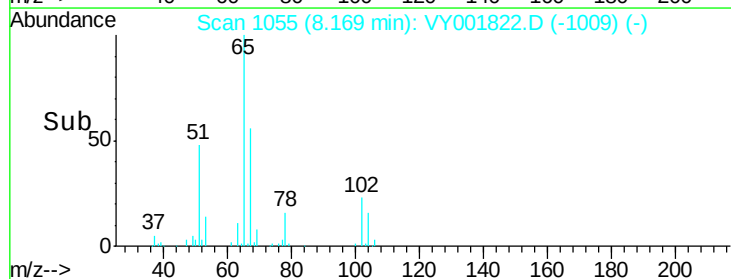
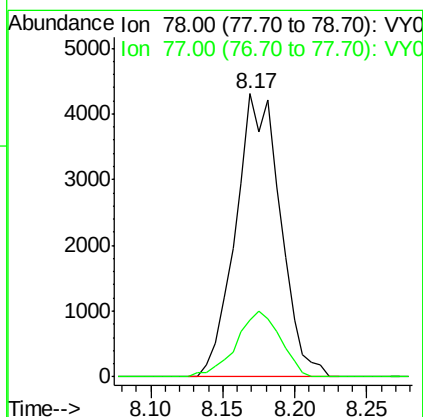
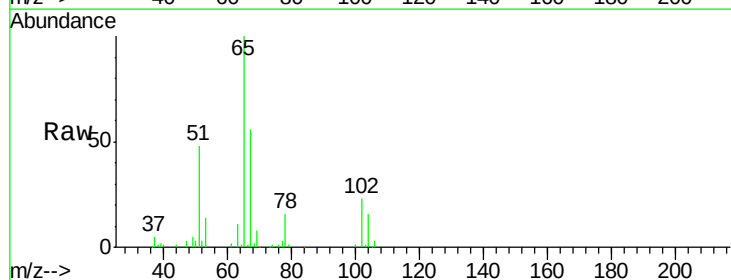
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-030220

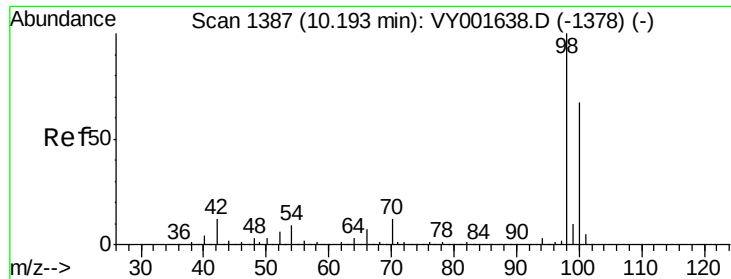
Tot Ion: 83 Resp: 69668
Ion Ratio Lower Upper
83 100
55 75.1 61.3 91.9
98 47.1 38.0 57.0



#40
Benzene
Concen: 1.242 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion: 78 Resp: 9282
Ion Ratio Lower Upper
78 100
77 19.9 18.2 27.4

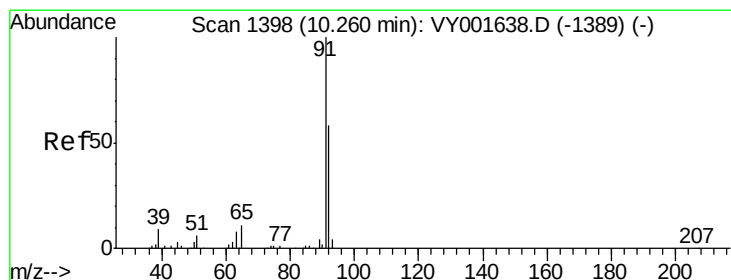
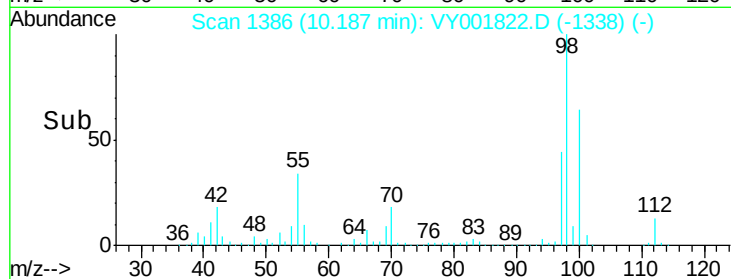
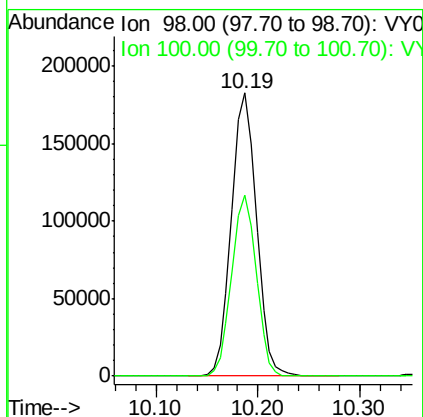
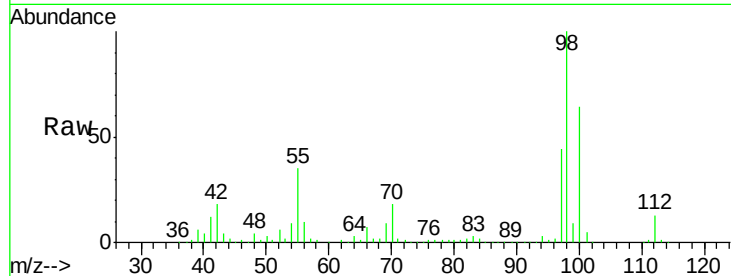




#50
Toluene-d8
Concen: 52.123 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

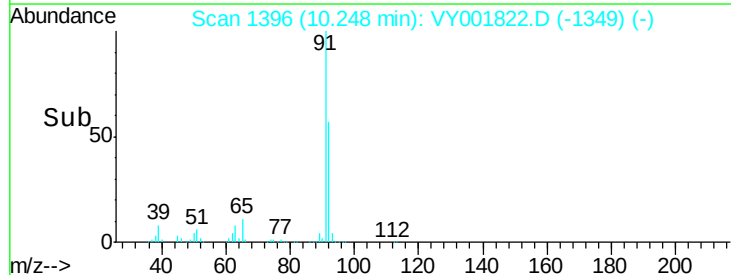
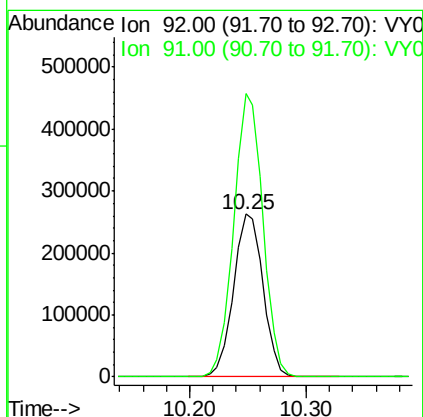
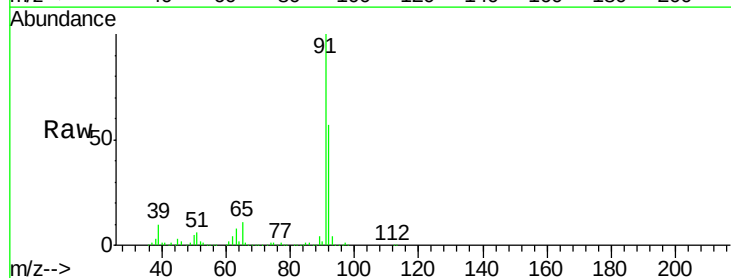
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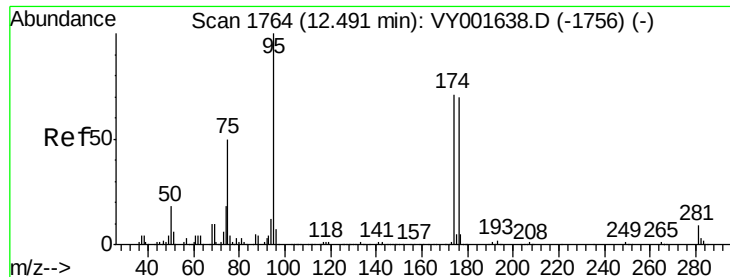
Tot Ion: 98 Resp: 311126
Ion Ratio Lower Upper
98 100
100 62.6 53.0 79.4



#52
Toluene
Concen: 99.096 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion: 92 Resp: 461932
Ion Ratio Lower Upper
92 100
91 171.6 137.0 205.6

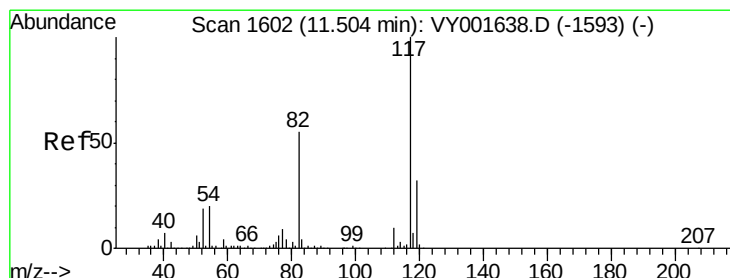
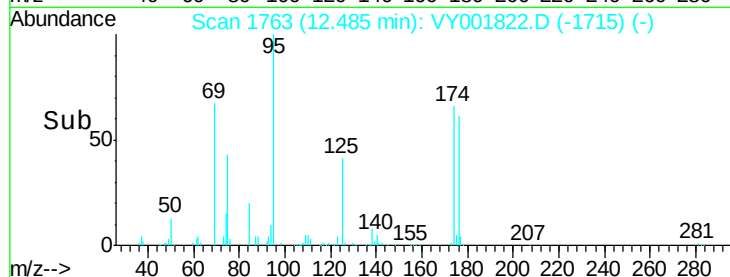
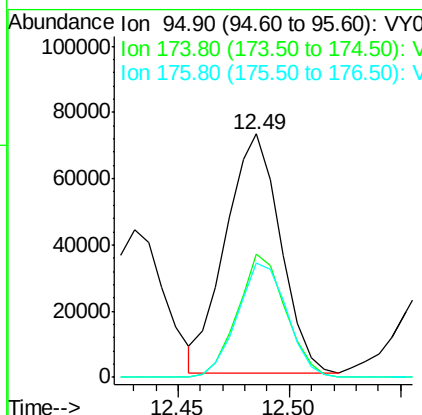
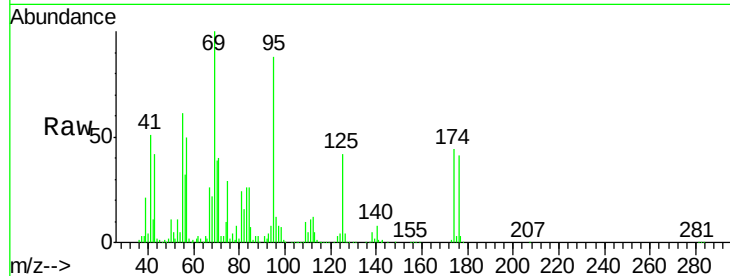




#62
4-Bromofluorobenzene
Concen: 53.015 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

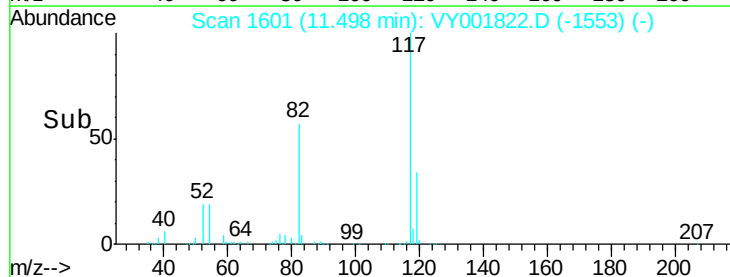
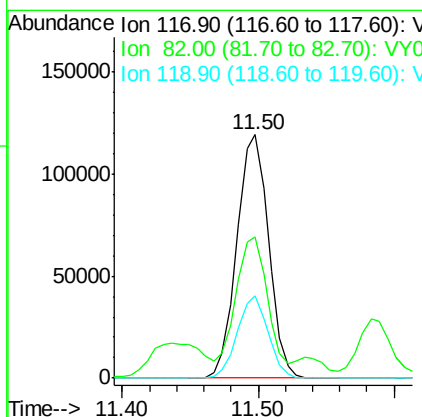
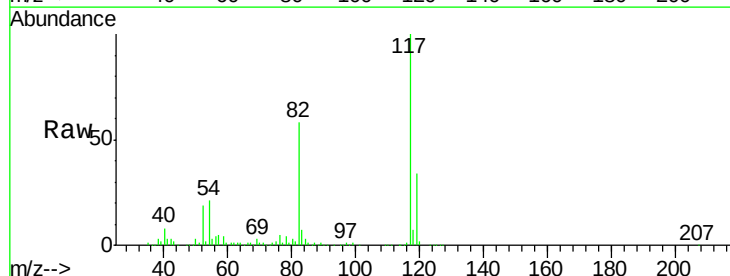
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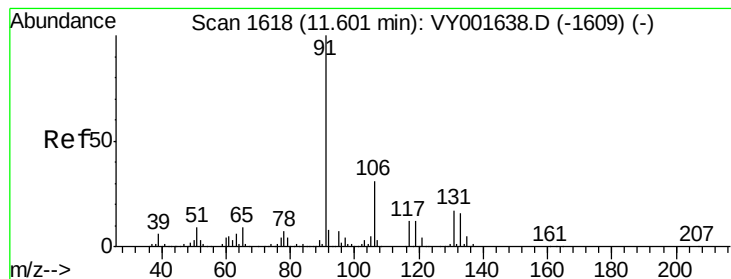
Tot Ion	95	Resp	122937
Ion Ratio	Lower	Upper	
95	100		
174	45.6	0.0	138.4
176	43.8	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion	117	Resp	194647
Ion Ratio	Lower	Upper	
117	100		
82	55.5	45.5	68.3
119	34.0	25.8	38.6





#67

Ethyl Benzene

Concen: 244.271 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001822.D

Acq: 02 Mar 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

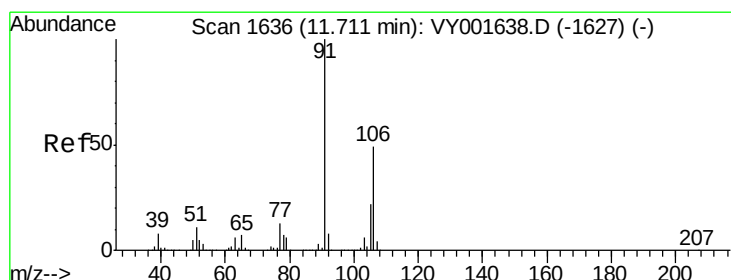
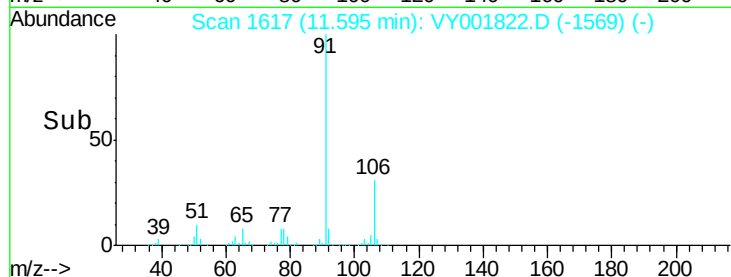
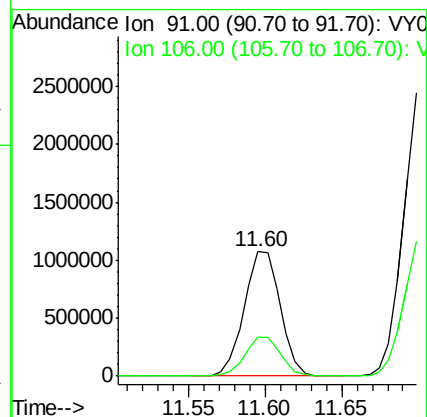
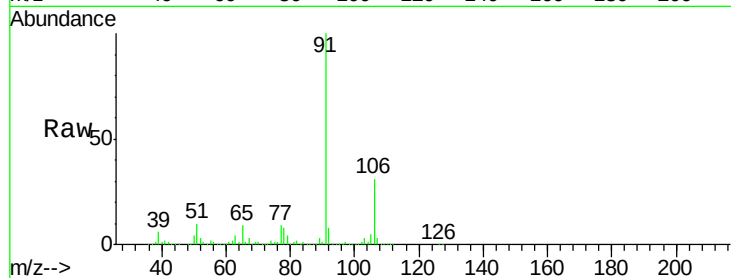
EO-02-030220

Tot Ion: 91 Resp: 1761610

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7



#68

m/p-Xylenes

Concen: 810.552 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001822.D

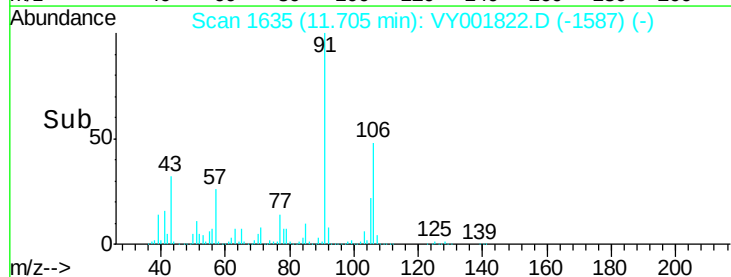
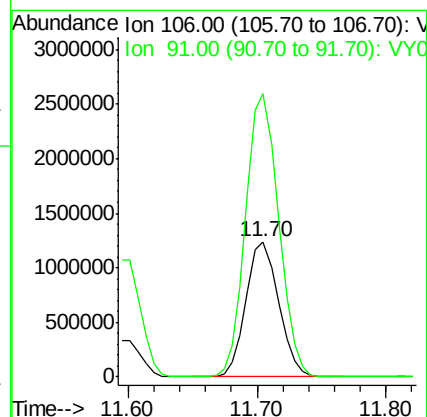
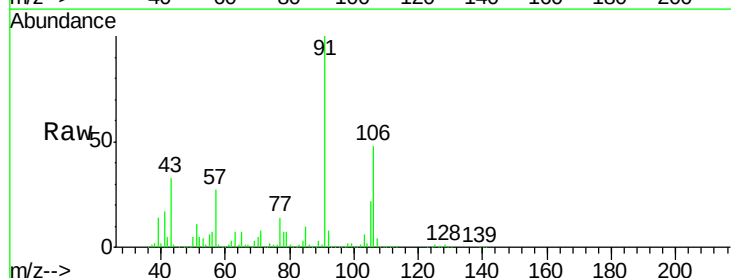
Acq: 02 Mar 2020 16:08

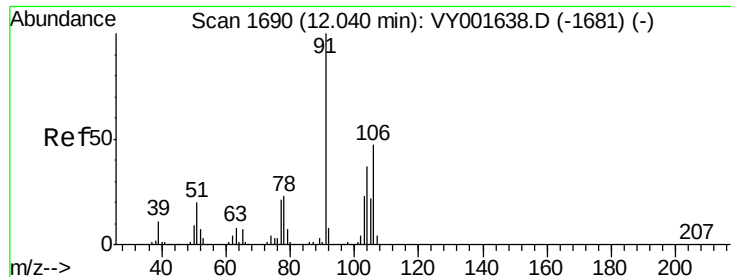
Tgt Ion: 106 Resp: 2183541

Ion Ratio Lower Upper

106 100

91 210.6 163.3 244.9

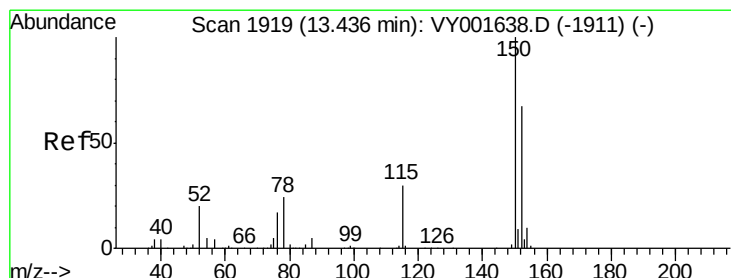
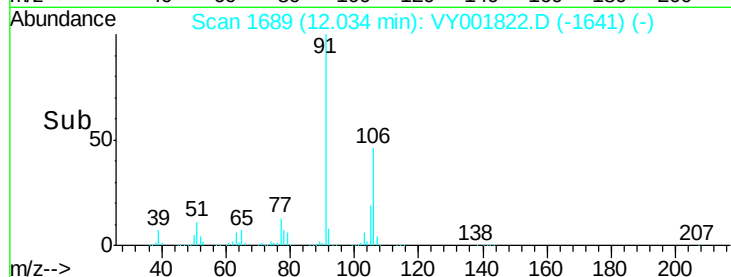
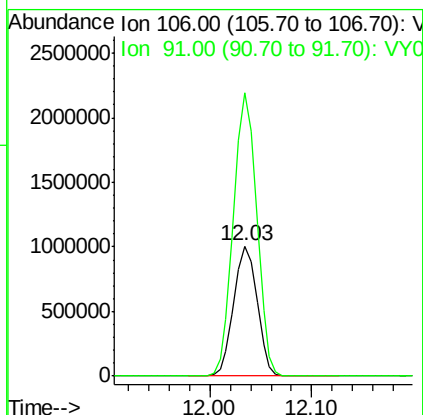
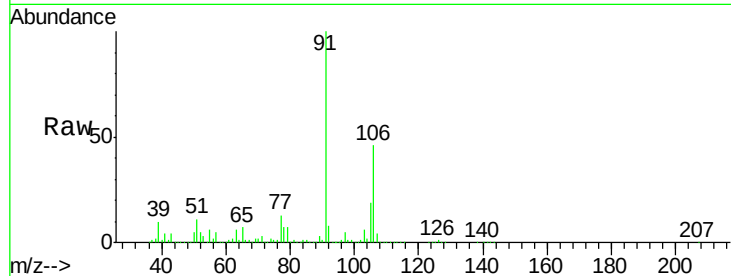




#69
o-Xylene
Concen: 621.767 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

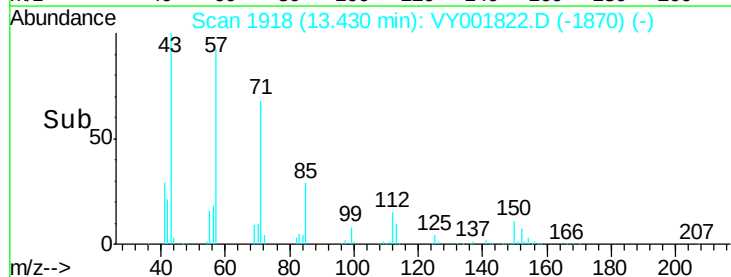
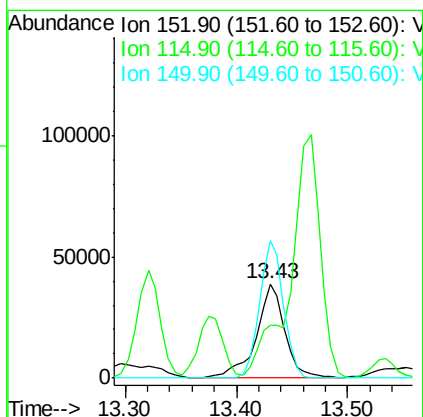
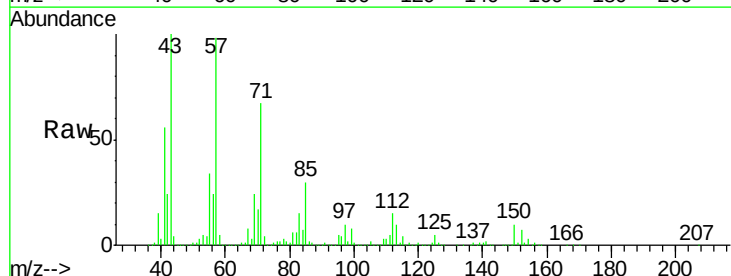
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-030220

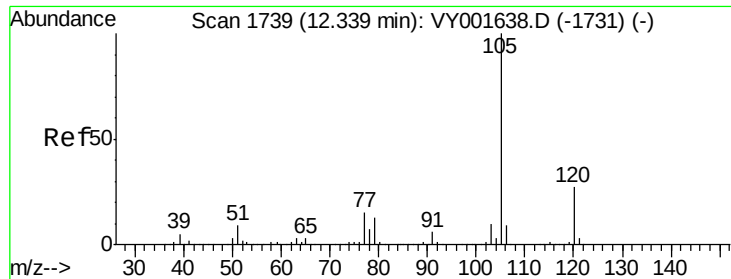
Tot Ion:106 Resp: 1592389
Ion Ratio Lower Upper
106 100
91 217.3 108.3 324.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion:152 Resp: 68718
Ion Ratio Lower Upper
152 100
115 0.0 31.4 94.2#
150 123.8 0.0 407.2





#73

Isopropylbenzene

Concen: 129.132 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001822.D

Acq: 02 Mar 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

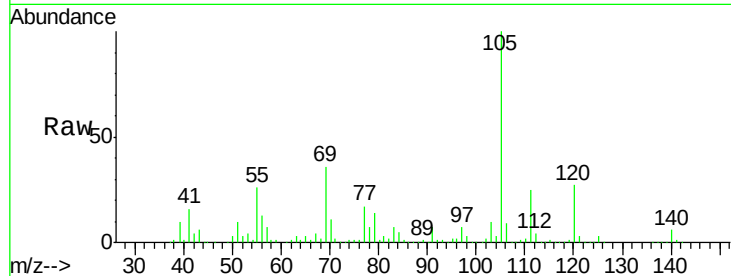
EO-02-030220

Tot Ion:105 Resp: 676015

Ion Ratio Lower Upper

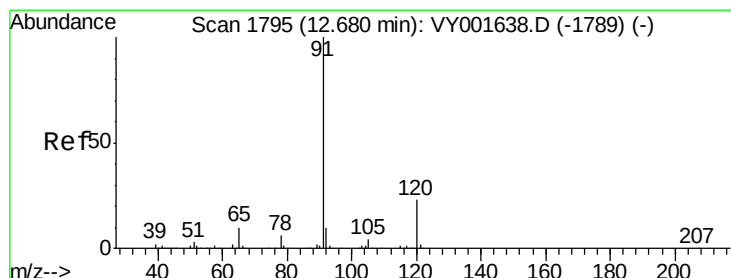
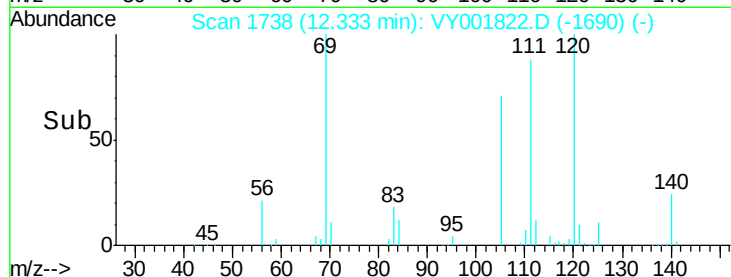
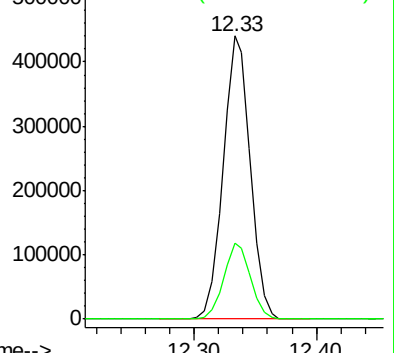
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 362.372 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001822.D

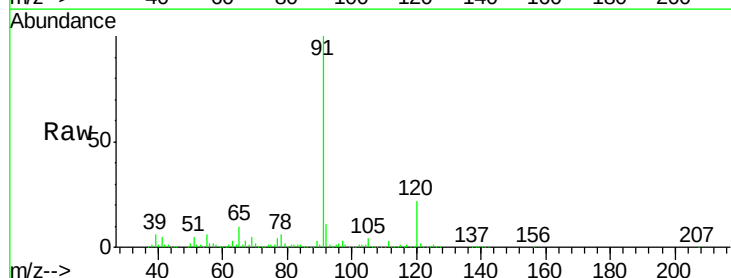
Acq: 02 Mar 2020 16:08

Tgt Ion: 91 Resp: 2310432

Ion Ratio Lower Upper

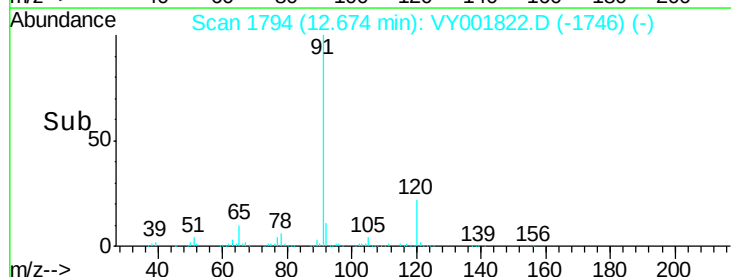
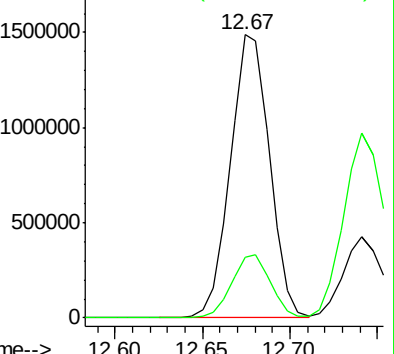
91 100

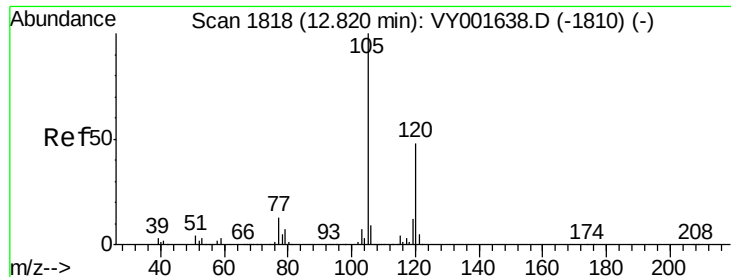
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

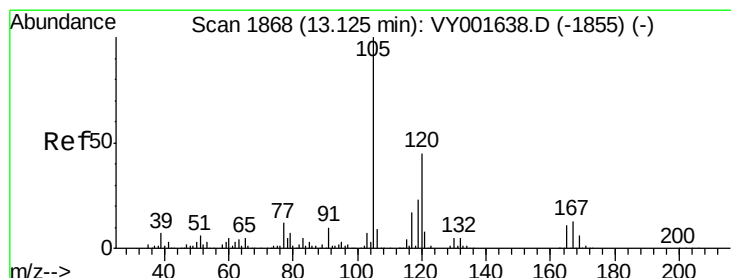
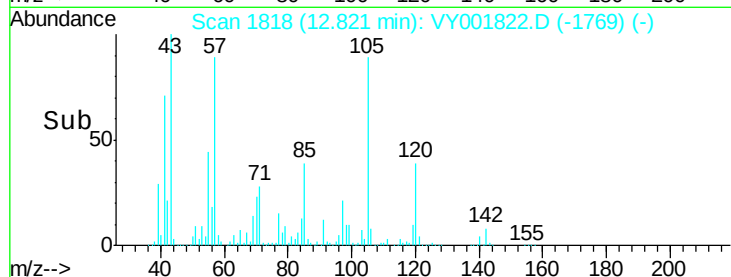
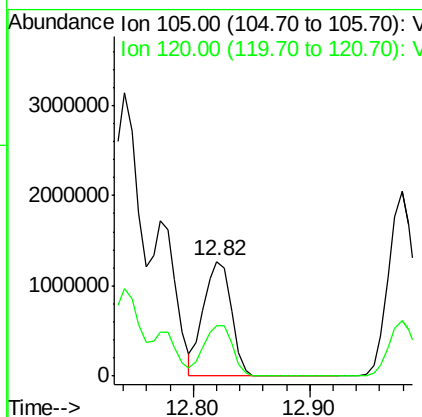
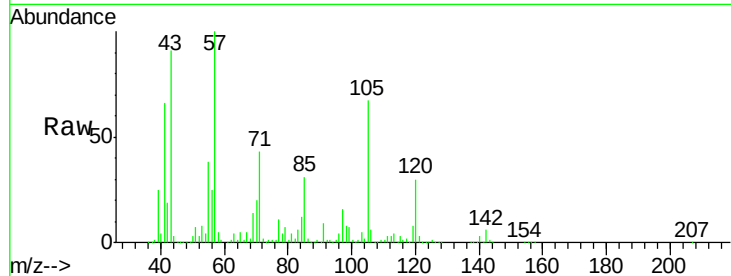




#80
 1,3,5-Trimethylbenzene
 Concen: 482.070 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001822.D
 Acq: 02 Mar 2020 16:08

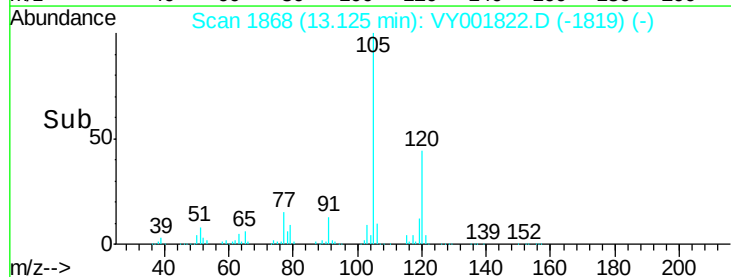
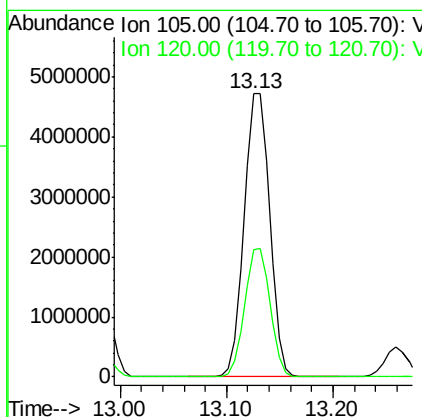
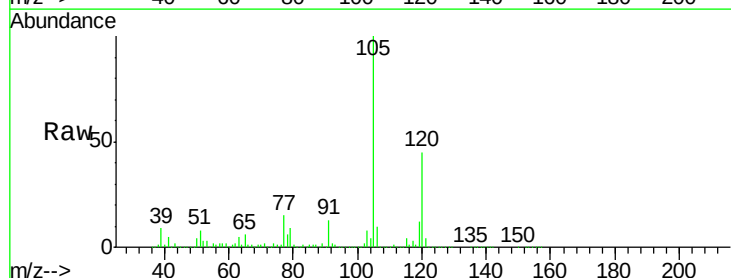
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-030220

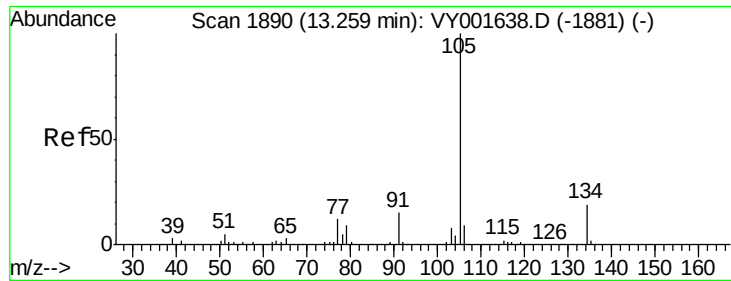
Tot Ion:105 Resp: 2089051
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.3 72.9



#84
 1,2,4-Trimethylbenzene
 Concen: 1850.997 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001822.D
 Acq: 02 Mar 2020 16:08

Tgt Ion:105 Resp: 7996891
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3

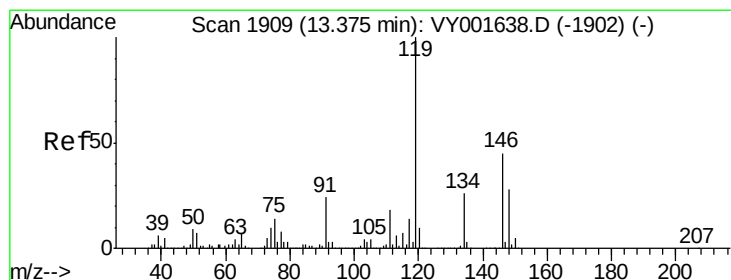
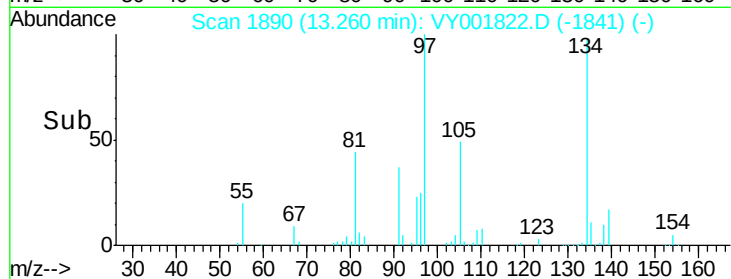
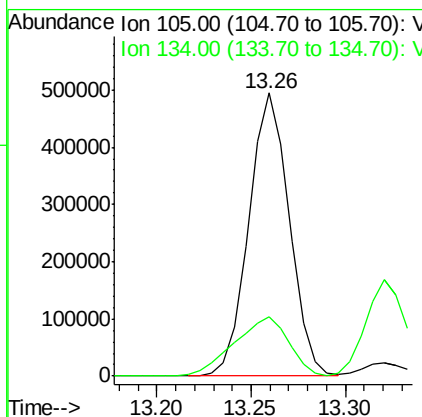
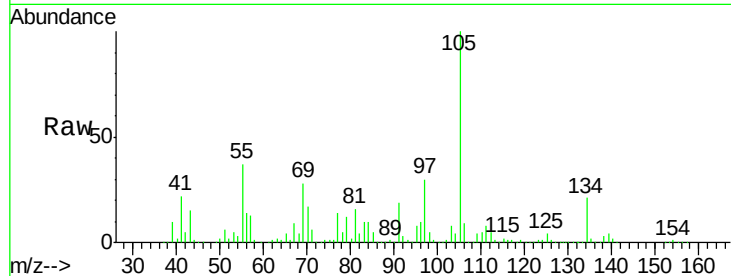




#85
 sec-Butylbenzene
 Concen: 137.259 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001822.D
 Acq: 02 Mar 2020 16:08

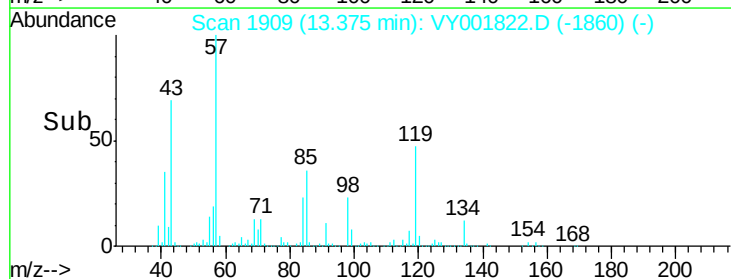
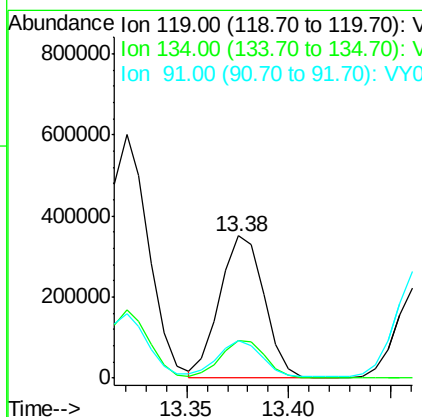
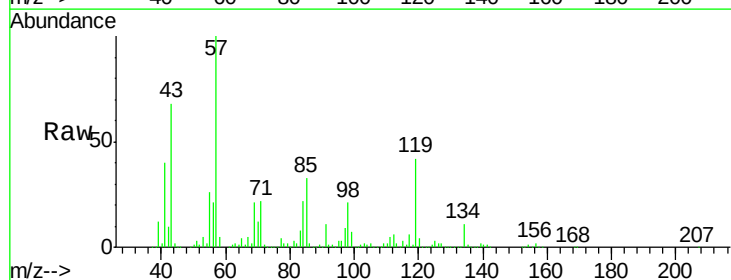
Instrument :
 MSVOA_Y
 ClientSampled :
 EO-02-030220

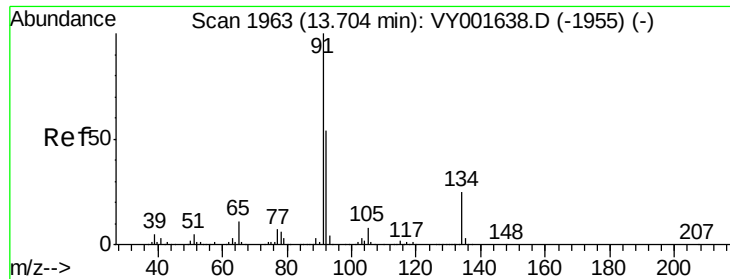
Tot Ion:105 Resp: 731660
 Ion Ratio Lower Upper
 105 100
 134 28.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 114.330 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001822.D
 Acq: 02 Mar 2020 16:08

Tgt Ion:119 Resp: 529438
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 39.0
 91 24.7 12.2 36.6

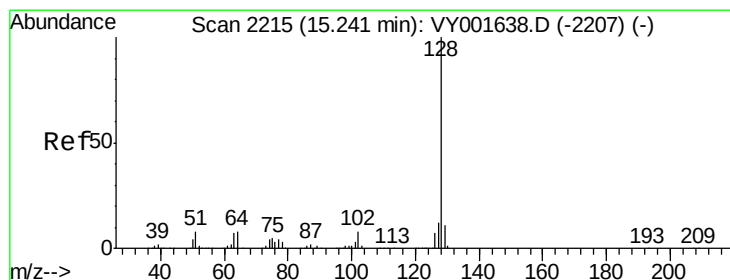
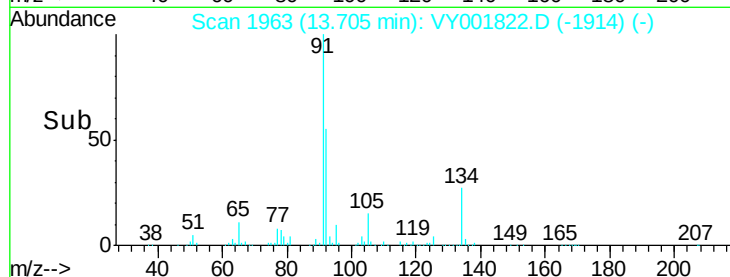
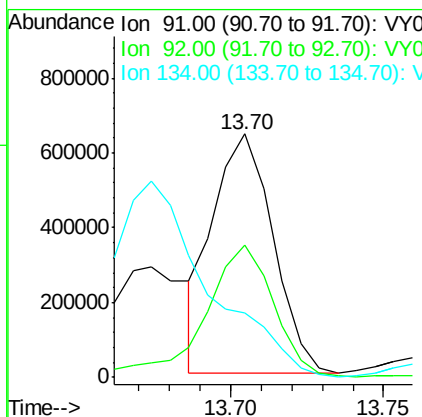
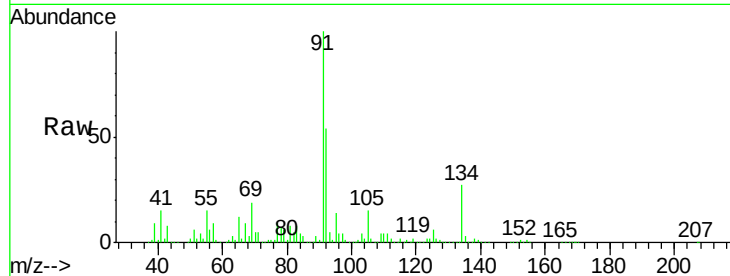




#89
n-Butylbenzene
Concen: 183.536 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-030220

Tot Ion: 91 Resp: 868458
Ion Ratio Lower Upper
91 100
92 62.6 27.5 82.4
134 0.0 12.4 37.4#



#95
Naphthalene
Concen: 78.106 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001822.D
Acq: 02 Mar 2020 16:08

Tgt Ion: 128 Resp: 242405
Ion Ratio Lower Upper
128 100
127 16.5 9.9 14.9#
129 14.1 8.6 13.0#

