

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003716.D
 Acq On : 10 Dec 2020 13:57
 Operator : SY/MD
 Sample : L4980-08
 Misc : 7.11G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F1

Quant Time: Dec 11 00:49:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	203827	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	190138	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	86561	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51403	17.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.32%
7) Chloroethane-d5	2.77	69	45694	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.04%
10) 1,1-Dichloroethene-d2	3.86	63	84247	15.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.12%
20) 2-Butanone-d5	6.90	46	32060	31.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.40%
24) Chloroform-d	7.49	84	116207	22.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	8.15	65	60764	20.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.36%
29) Benzene-d6	8.12	84	248110	22.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.16%
33) 1,2-Dichloropropane-d6	9.12	67	73292	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.00%
37) Toluene-d8	10.18	98	226836	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	10.44	79	32730	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.08%
39) 2-Hexanone-d5	10.79	63	28884	35.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.78%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	55298	19.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.20%
61) 1,2-Dichlorobenzene-d4	13.72	152	76149	24.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.84%

Target Compounds

					Ovalue
13) Acetone	3.96	43	3523	4.677 ug/L	96
22) cis-1,2-Dichloroethene	7.00	96	17084	5.837 ug/L	96
34) Benzene	8.17	78	5353	0.492 ug/L	100
35) Trichloroethene	8.94	95	10648	3.566 ug/L	99
36) Methylcyclohexane	9.19	83	1540	0.337 ug/L #	64
40) 1,2-Dichloropropane	9.12	63	7448	2.730 ug/L #	86
42) cis-1,3-Dichloropropene	9.90	75	2441	0.568 ug/L	90
44) Toluene	10.25	91	15432	1.345 ug/L	93
47) Tetrachloroethene	10.72	164	239335	102.913 ug/L	96
50) Dibromochloromethane	10.72	129	213565	77.591 ug/L #	10
53) Ethylbenzene	11.59	91	14200	1.134 ug/L	94
54) m,p-Xylene	11.70	106	2202	0.456 ug/L	79
55) o-xylene	12.03	106	995	0.215 ug/L	66
59) 1,2,3-Trichloropropane	13.42	75	10754	4.770 ug/L	96
69) Naphthalene	15.23	128	1272	0.195 ug/L #	94

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MSVOA_Y
ClientSampleId :
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Quant Time: Dec 11 00:49:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 00:47:58 2020
Response via : Initial Calibration

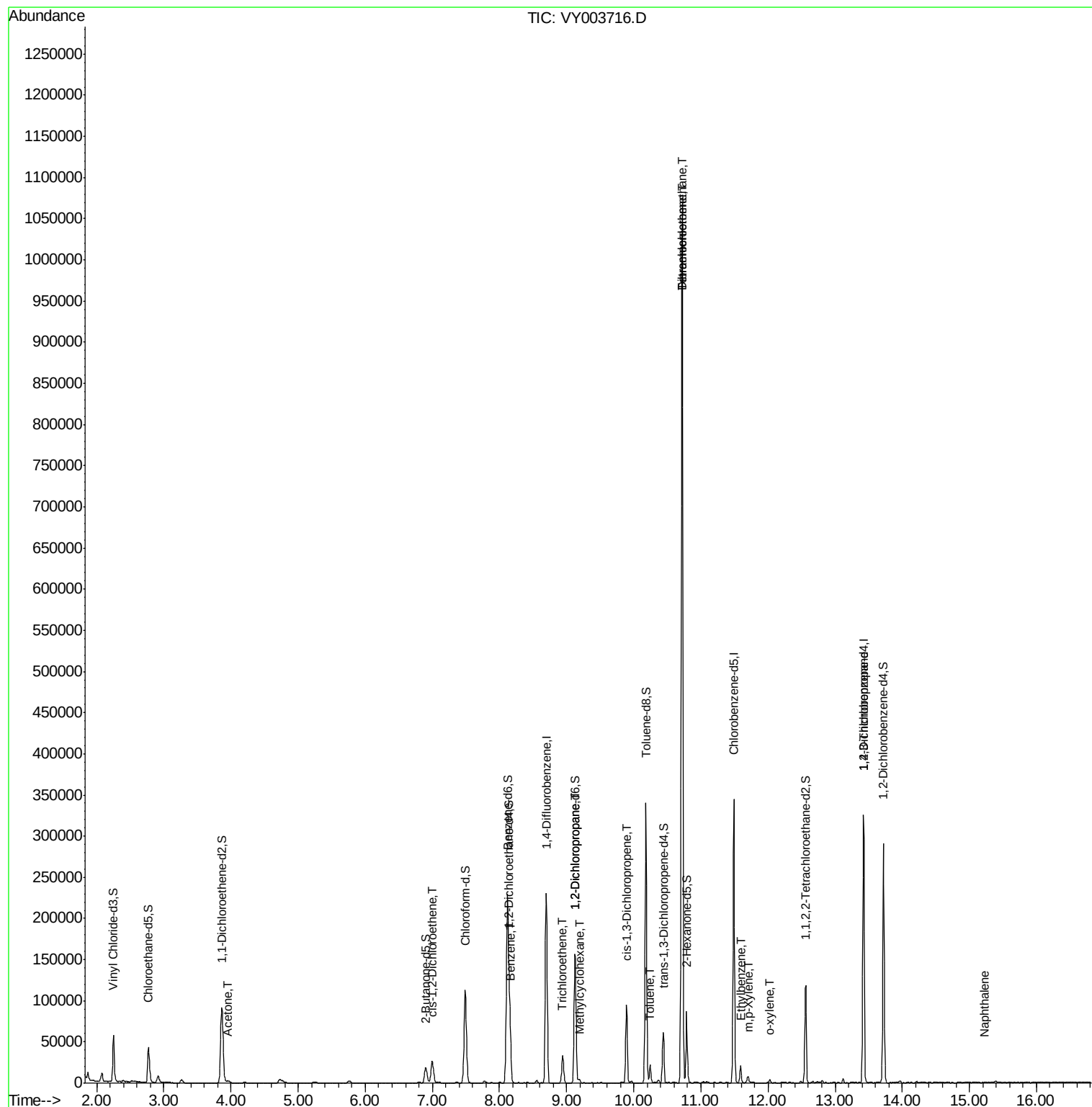
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

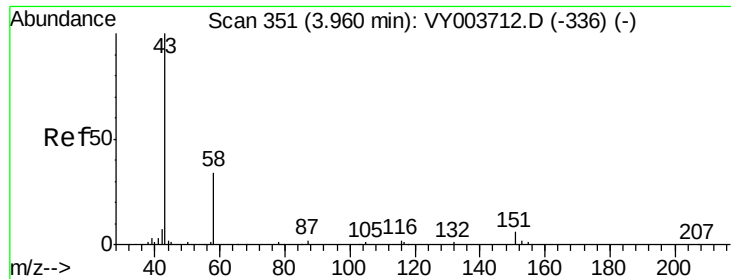
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
Data File : VY003716.D
Acq On : 10 Dec 2020 13:57
Operator : SY/MD
Sample : L4980-08
Misc : 7.11G/10ML/MSVOA Y/SOIL
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Quant Time: Dec 11 00:49:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 4.677 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_Y

ClientSampled :

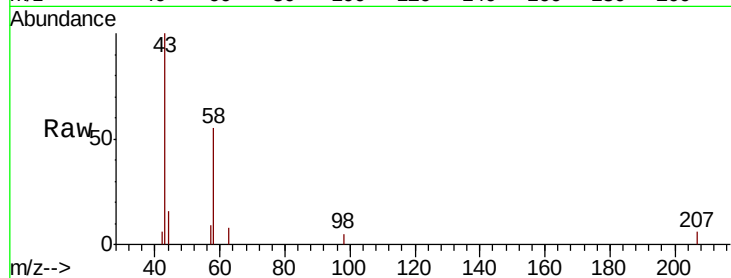
GB1F1

Tot Ion: 43 Resp: 3523

Ion Ratio Lower Upper

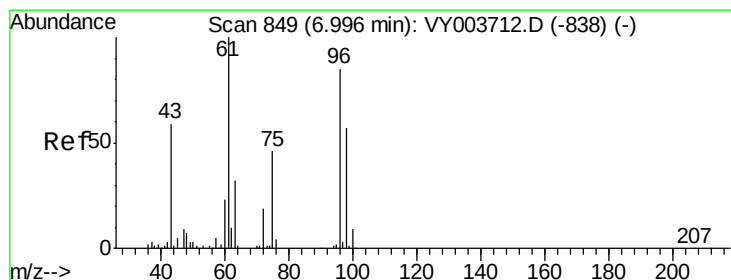
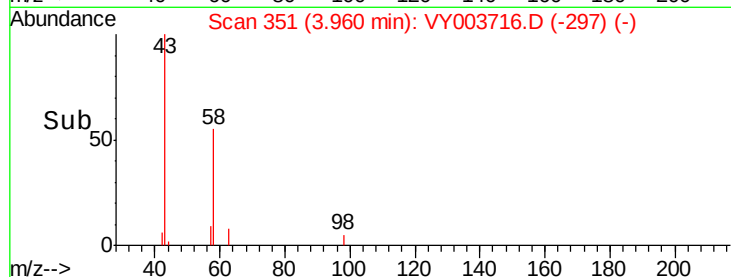
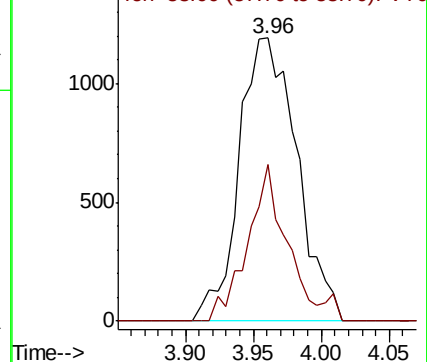
43 100

58 36.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#22

cis-1,2-Dichloroethene

Concen: 5.837 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

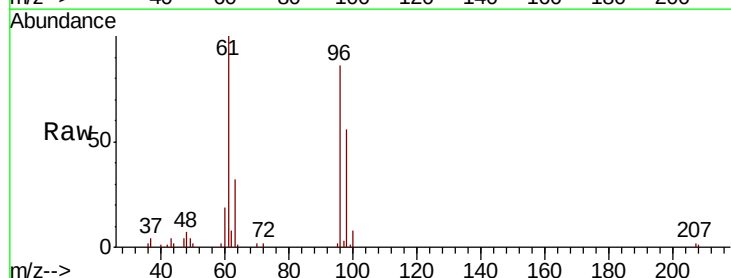
Tgt Ion: 96 Resp: 17084

Ion Ratio Lower Upper

96 100

61 116.5 85.8 159.4

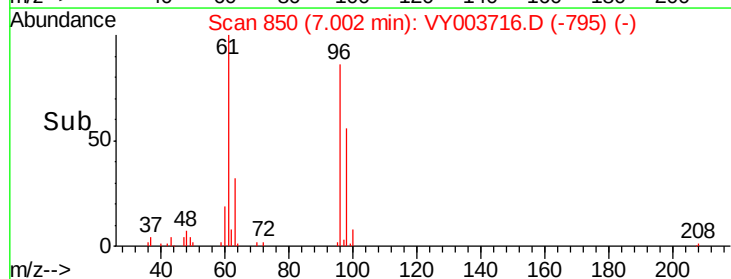
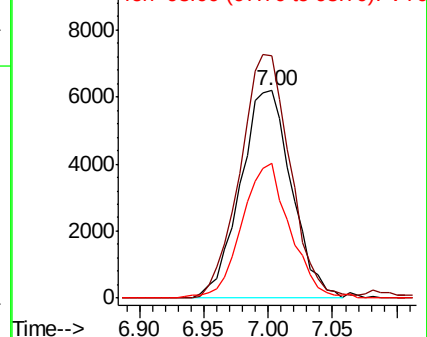
98 65.0 46.5 86.3

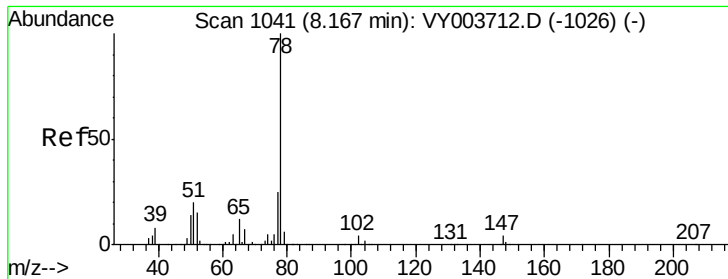


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#34

Benzene

Concen: 0.492 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

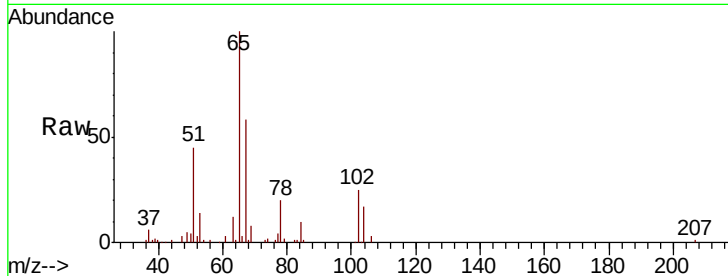
Instrument :

MSVOA_Y

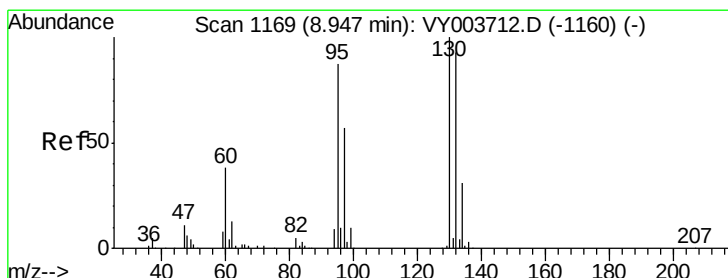
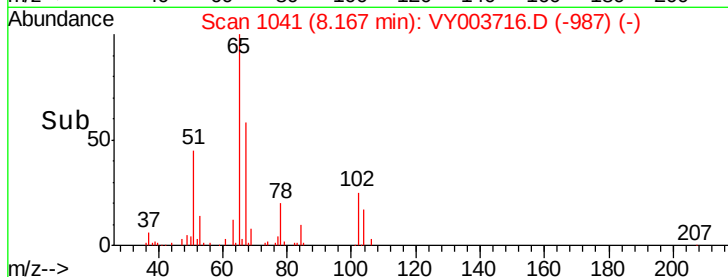
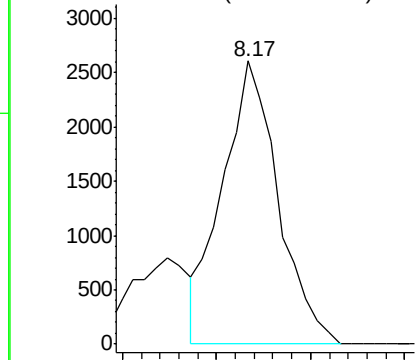
ClientSampleId :

GB1F1

Tgt Ion: 78 Resp: 5353



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 3.566 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

Tgt Ion: 95 Resp: 10648

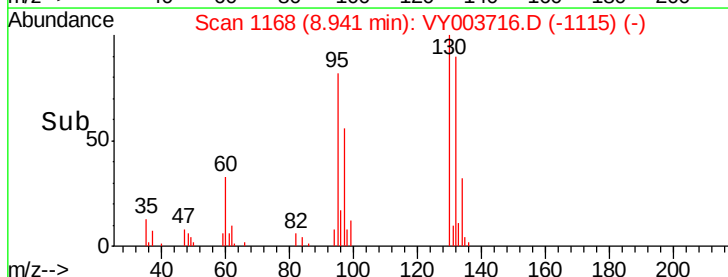
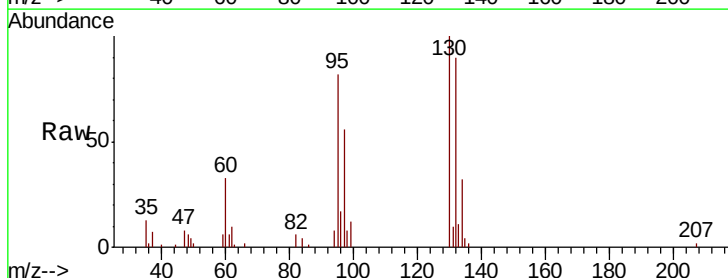
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.8	85.0
132	104.7	74.2	137.8
130	109.6	76.2	141.6

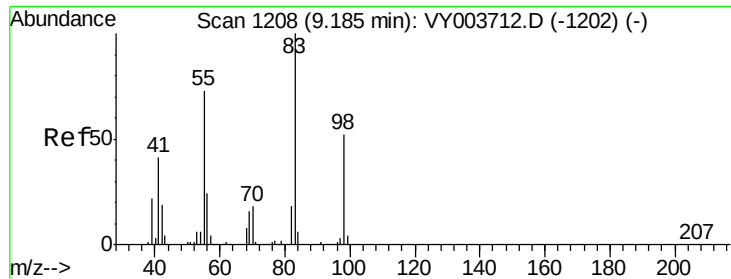
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

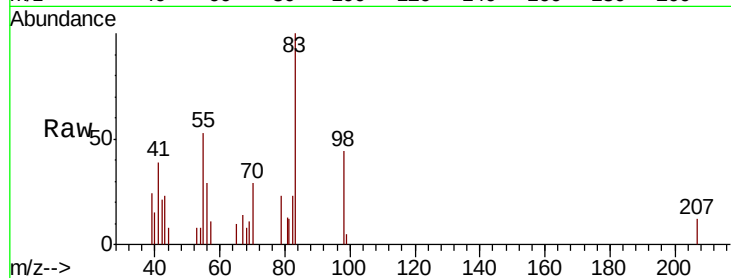




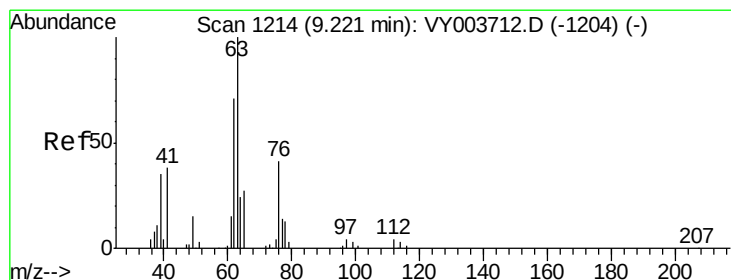
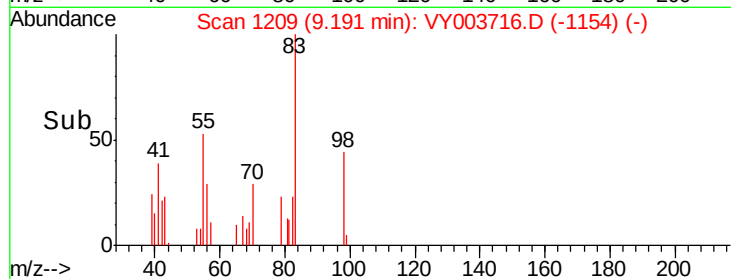
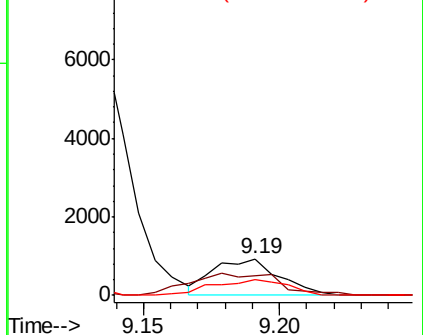
#36
Methylvlcyclohexane
Concen: 0.337 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_Y
ClientSampled :
GB1F1

Tot Ion: 83 Resp: 1540
Ion Ratio Lower Upper
83 100
55 34.3 56.4 84.6#
98 33.6 40.3 60.5#

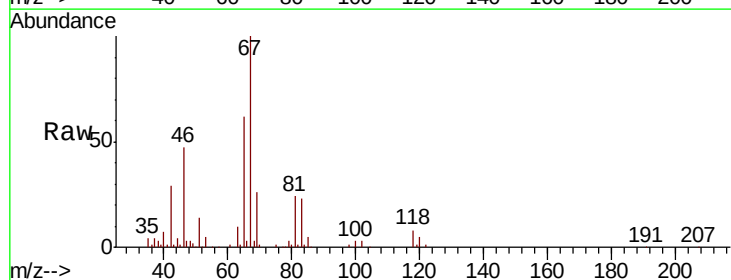


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

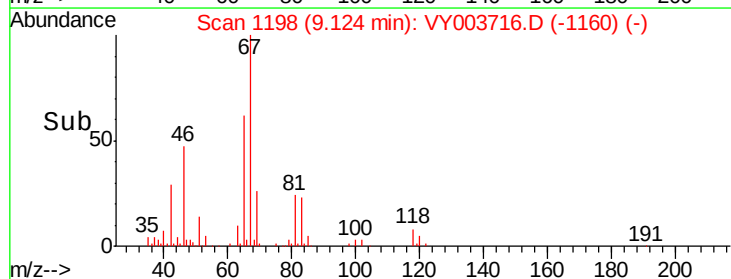
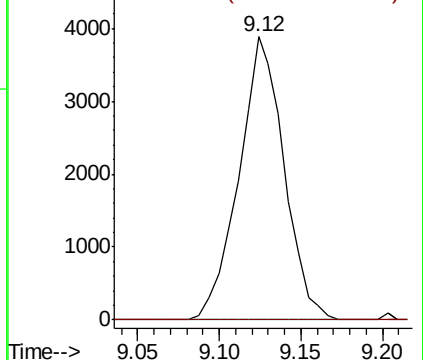


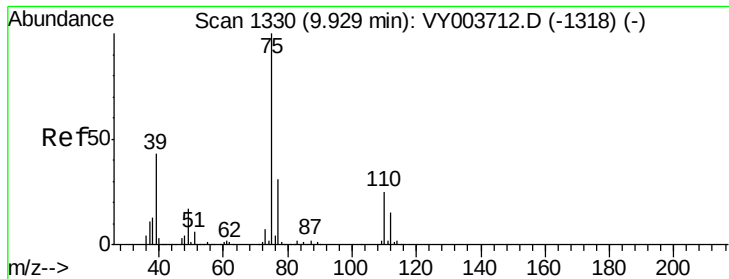
#40
1,2-Dichloropropane
Concen: 2.730 ug/L
RT: 9.12 min Scan# 1198
Delta R.T. -0.10 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 63 Resp: 7448
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V



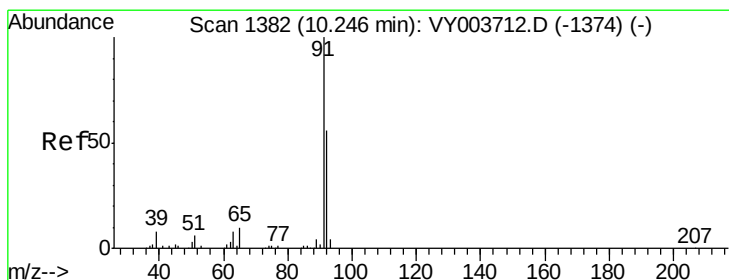
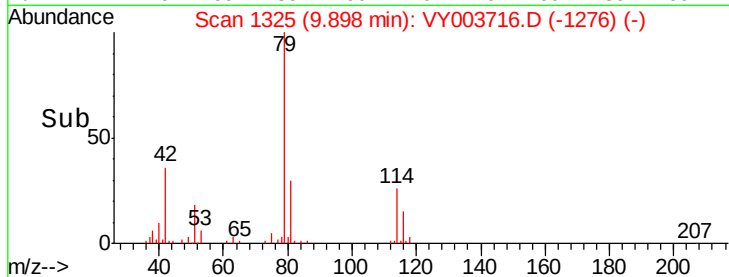
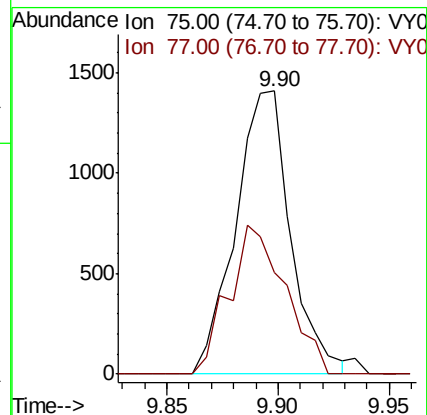
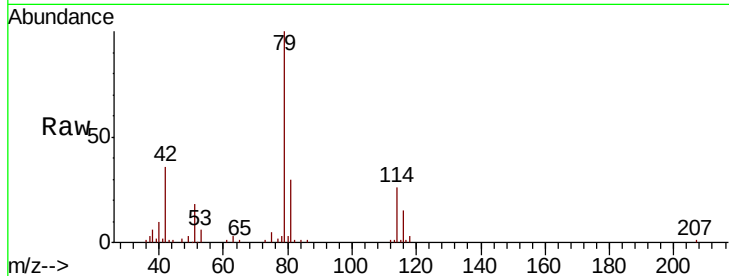


#42

cis-1,3-Dichloropropene
Concen: 0.568 ug/L
RT: 9.90 min Scan# 1325
Delta R.T. -0.03 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
GB1F1

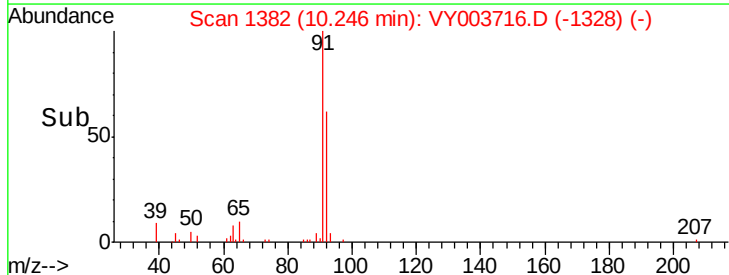
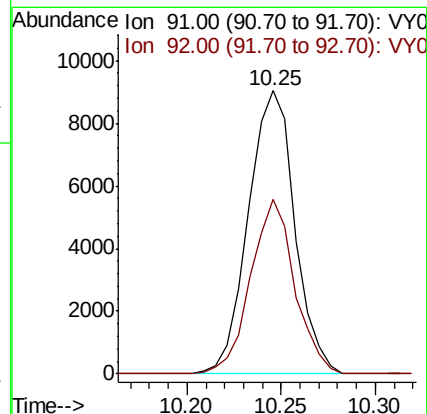
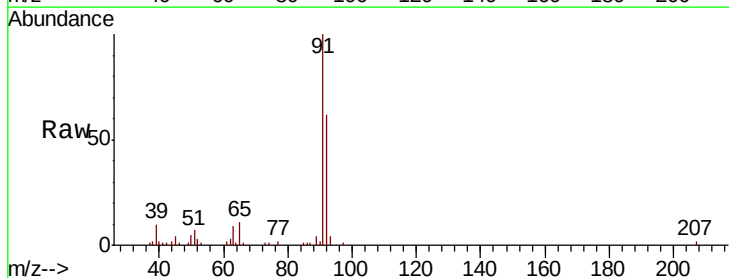
Tot Ion: 75 Resp: 2441
Ion Ratio Lower Upper
75 100
77 36.2 21.3 39.6

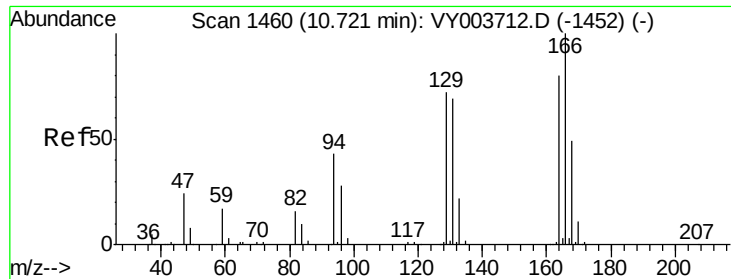


#44

Toluene
Concen: 1.345 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 91 Resp: 15432
Ion Ratio Lower Upper
91 100
92 61.8 39.8 73.8





#47

Tetrachloroethene

Concen: 102.913 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

GB1F1

Tot Ion:164 Resp: 239335

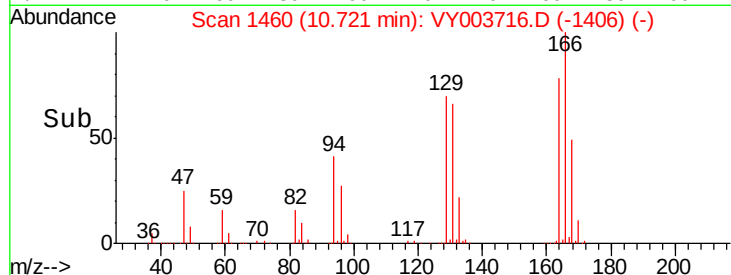
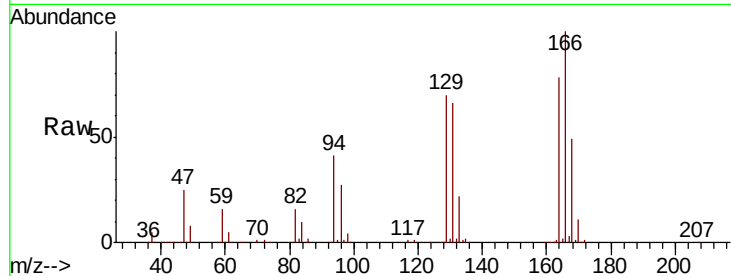
Ion Ratio Lower Upper

164 100

129 89.2 59.6 110.6

131 84.0 57.9 107.5

166 127.5 93.2 173.2

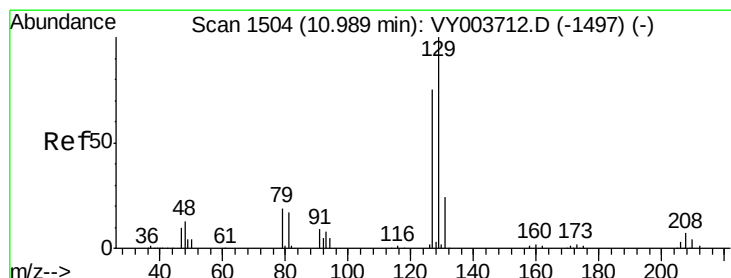
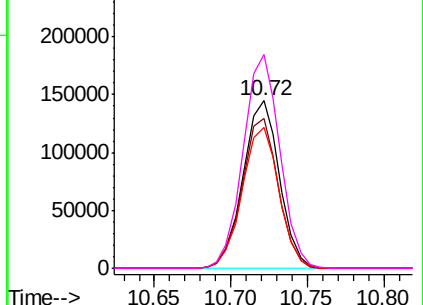


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 77.591 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.27 min

Lab File: VY003716.D

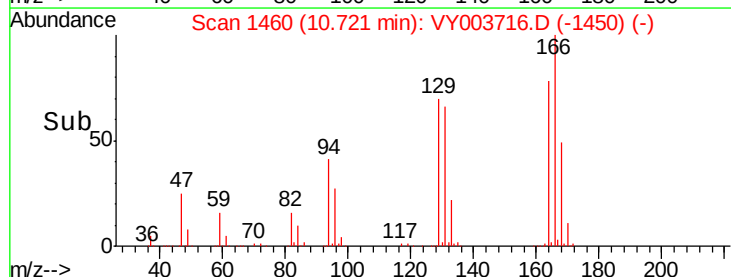
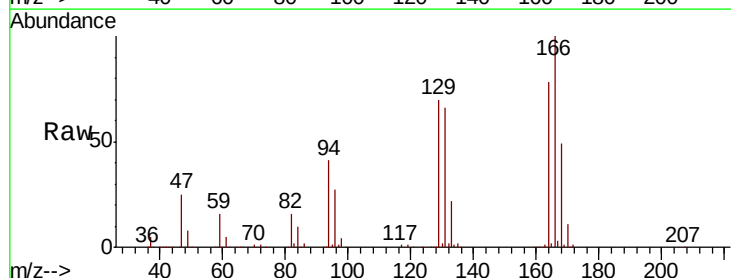
Acq: 10 Dec 2020 13:57

Tgt Ion:129 Resp: 213565

Ion Ratio Lower Upper

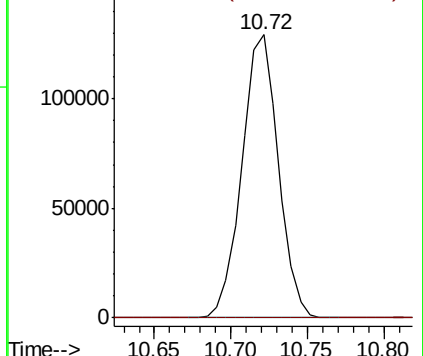
129 100

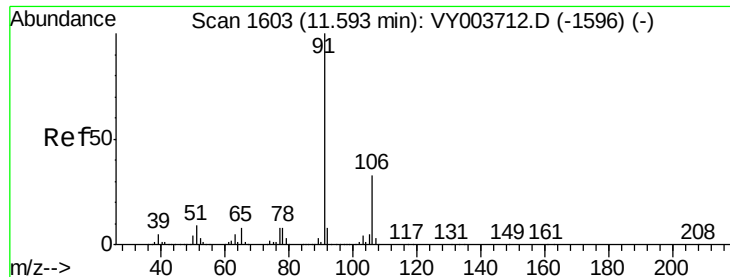
127 0.2 54.8 101.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#53

Ethylbenzene

Concen: 1.134 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_Y

ClientSampled :

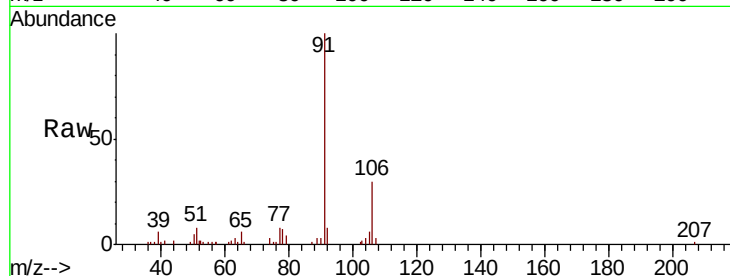
GB1F1

Tot Ion: 91 Resp: 14200

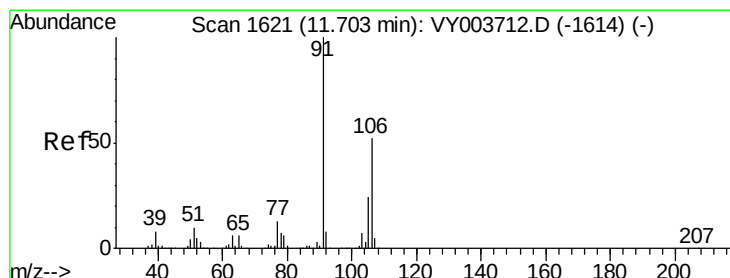
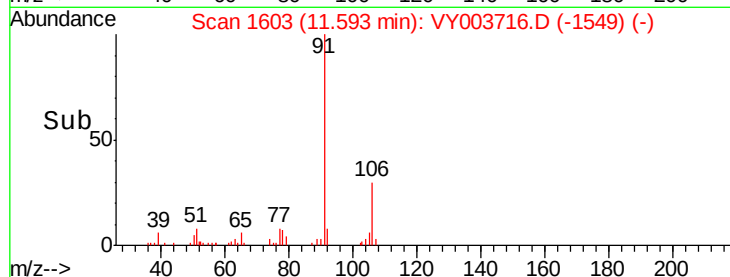
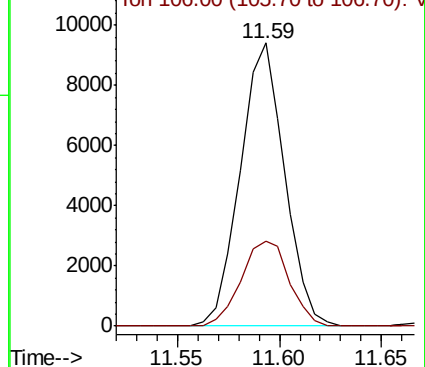
Ion Ratio Lower Upper

91 100

106 29.9 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY003716.D (-1596) (-)



#54

m,p-Xylene

Concen: 0.456 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003716.D

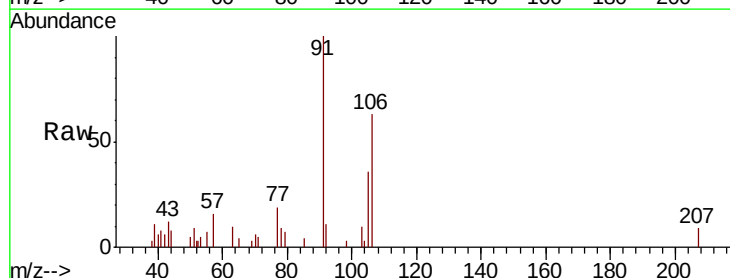
Acq: 10 Dec 2020 13:57

Tgt Ion: 106 Resp: 2202

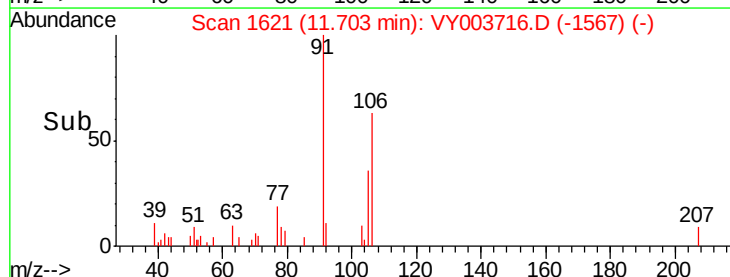
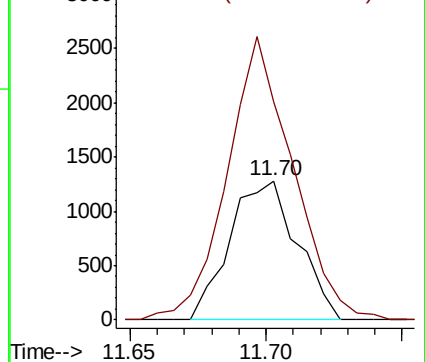
Ion Ratio Lower Upper

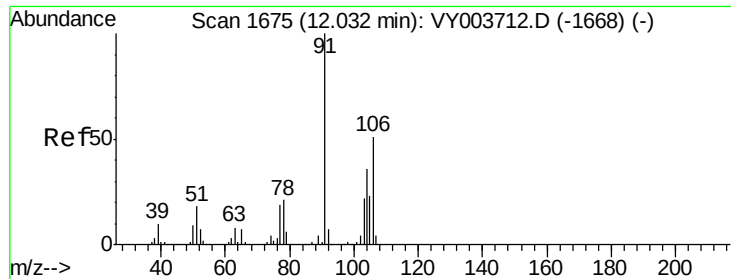
106 100

91 157.5 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): VY003716.D (-1614) (-)

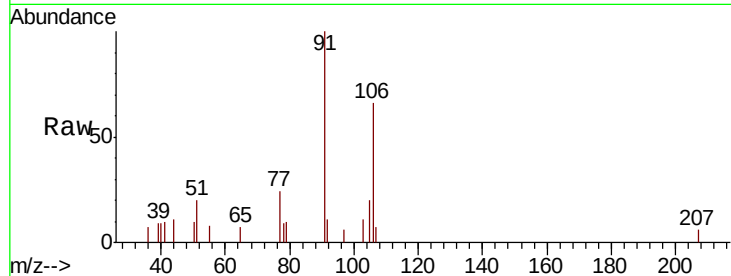




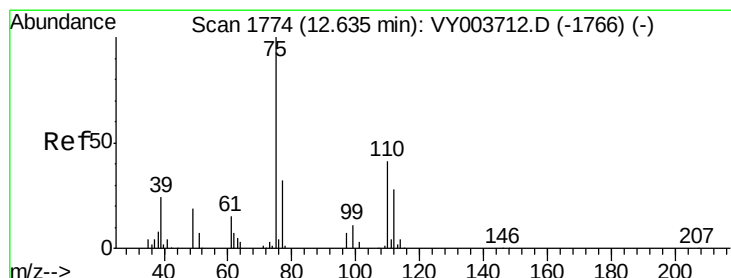
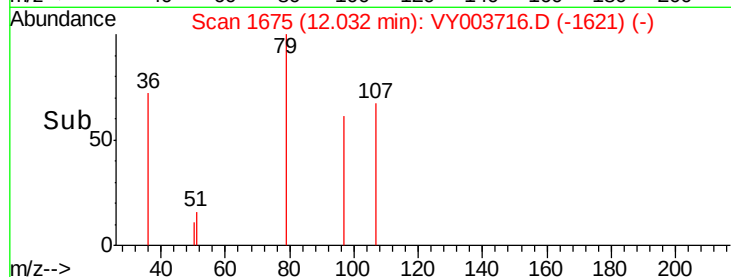
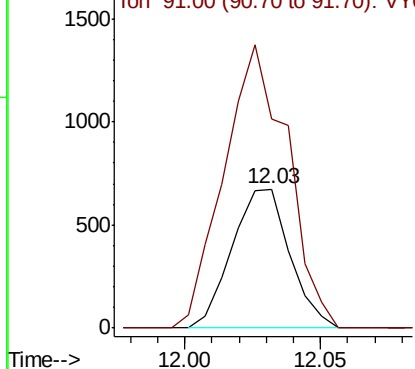
#55
o-xylene
Concen: 0.215 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Instrument :
MSVOA_Y
ClientSampled :
GB1F1

Tot Ion:106 Resp: 995
Ion Ratio Lower Upper
106 100
91 151.0 141.7 263.3

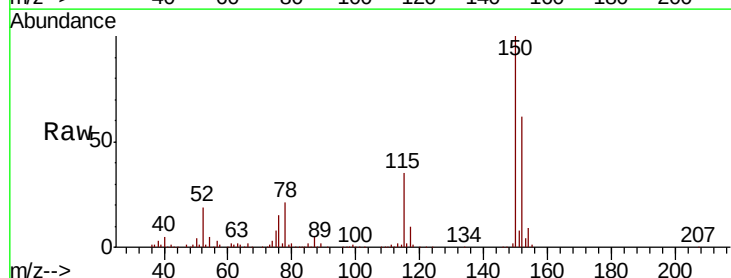


Abundance Ion 106.00 (105.70 to 106.70): VY0
Ion 91.00 (90.70 to 91.70): VY0

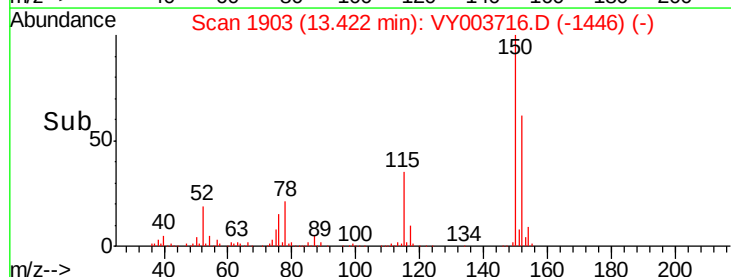
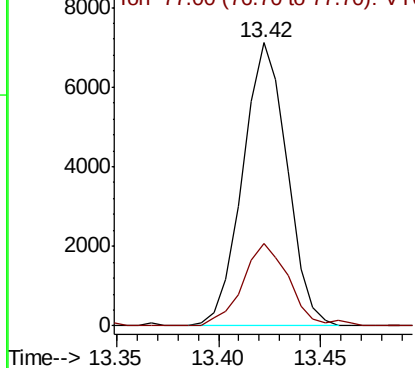


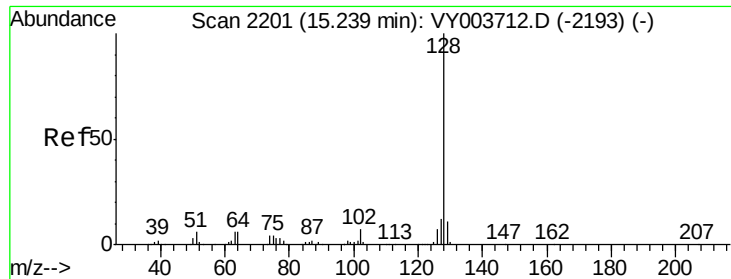
#59
1,2,3-Trichloropropane
Concen: 4.770 ug/L
RT: 13.42 min Scan# 1903
Delta R.T. 0.79 min
Lab File: VY003716.D
Acq: 10 Dec 2020 13:57

Tgt Ion: 75 Resp: 10754
Ion Ratio Lower Upper
75 100
77 29.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#69

Naphthalene

Concen: 0.195 ug/L

RT: 15.23 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VY003716.D

Acq: 10 Dec 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

GB1F1

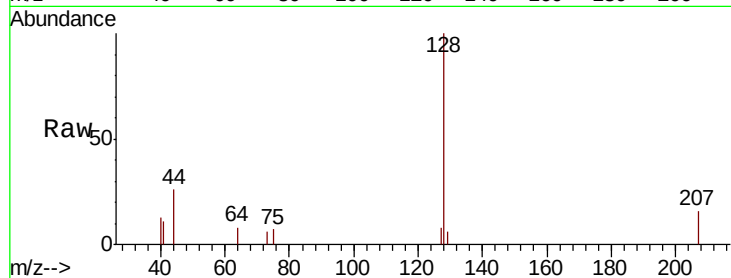
Tot Ion:128 Resp: 1272

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 9.3 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

